

OKLAHOMA GEOLOGICAL SURVEY

ROBERT H. DOTT, Director

Bulletin No. 58

TRAVERSE AND LEVELING IN OKLAHOMA

Part I, Southwestern Oklahoma

Compiled by

N. E. WOLFARD

**Associate Professor of Civil Engineering
University of Oklahoma**

Data secured through WPA and other relief projects, sponsored by State Conservation Commission and Division of Water Resources of the Oklahoma Planning and Resources Board. Manuscript prepared under WPA Project 465-65-3-124.

Norman

1938

UNIVERSITY OF OKLAHOMA BOARD OF REGENTS

JOSEPH C. LOONEY, President.....*Wewoka*
EUGENE P. LEDBETTER, Vice President.....*Oklahoma City*
CLAUD C. HATCHETT.....*Durant*
EUGENE M. KERR.....*Muskogee*
LLOYD NOBLE*Ardmore*
JOE W. McBRIDE.....*Anadarko*
LOWREY H. HARRELL.....*Ada*

E. R. KRAETTLI, *Secretary*

DR. WILLIAM BENNETT BIZZELL, *President*
University of Oklahoma

OKLAHOMA GEOLOGICAL SURVEY

ROBERT H. DOTT, *Director*

FLAVIUS C. WOOD, *Mining Engineer-Geologist*

MALCOLM C. OAKES, *Field Geologist*

J. O. BEACH, *Secretary*

OKLAHOMA PLANNING AND RESOURCES BOARD

DR. HENRY G. BENNETT, Chairman-----Stillwater
G. W. ARCHIBALD, Vice-Chairman-----Durant
W. C. AUSTIN-----Altus
C. H. BAKER-----Cherokee
J. G. CATLETT-----Tulsa
J. M. CRAIG-----Idabel
LEON DAUBE-----Ardmore
JOE C. SCOTT-----Oklahoma City
R. A. WILKERSON-----Pryor
T. G. GAMMIE, Secretary

DIVISION OF WATER RESOURCES

F. L. VAUGHAN, Director
W. C. BURNHAM, Chief Engineer

COOPERATING AGENCIES

FEDERAL

CIVIL WORKS ADMINISTRATION
EMERGENCY RELIEF ADMINISTRATION
WORKS PROGRESS ADMINISTRATION
U. S. COAST AND GEODETIC SURVEY
U. S. GEOLOGICAL SURVEY

STATE

CONSERVATION COMMISSION OF OKLAHOMA
UNIVERSITY OF OKLAHOMA
College of Engineering
OKLAHOMA AGRICULTURAL & MECHANICAL COLLEGE
Division of Engineering
OKLAHOMA GEOLOGICAL SURVEY
OKLAHOMA STATE HIGHWAY COMMISSION

CORPORATE

ST. LOUIS—SAN FRANCISCO RAILWAY
OKLAHOMA RAILWAY COMPANY
PHILLIPS PETROLEUM COMPANY

PRIVATE

Various Firms and Individuals, through loan of equipment for early projects.

C O N T E N T S

Section I

	Page
Foreword	1
Vicinity Map and Drawings of Markers (Plate I)	3
The Plane Coordinate System for Oklahoma	4
Azimuths	5
Instructions for Resetting Monuments	6
Traverse Monument Location, Description, Position and Elevation.	9
9-K---- Albert (Caddo Co.,) to Oklahoma-Texas Boundary	9
10-K---- Arnett to Mangum	17
13-A---- Binger to Albert	19
13-B---- Albert to Sayre	20
19-A---- El Reno to Minco	28
20-C---- Minco to Packer Triangulation Station (Cogar)	29
20-D---- Chickasha to Rush Springs	31
20-E---- Packer Triangulation Station to Binger	33
21-A---- Minco Via Chickasha, Anadarko, Ft. Cobb to Albert ..	35
21-B---- Verdem to Packer Triangulation Station	38
21-C---- Ft. Cobb to Carnegie	39
21-D---- Carnegie to Hobart	41
21-E---- Carnegie to Alden	44
21-J---- Alden to Cement	45
21-K---- Alden to Hobart	48
21-L---- Mt. View to Cooperton	52
21-M---- Washita to Apache	53
25-A---- Duncan to Hastings	54
25-B---- Gould Via Altus to Hess	57
25-C---- Hess Via Tipton, Manitou, Lawton to Duncan	60
25-D---- Frederick Via Roosevelt to Tepee Tri., Station	66
25-E---- Altus Via Lugert to Tepee Tri., Station	70
25-F---- Altus to Snyder	73
25-H---- Lugert Via Mangum to Vinson	76
26-A---- Benton Tri., Station Via Waurika to Bailer	79
26-B---- Bailer Tri., Station to Miller Tri., Station	82
26-C---- Miller Tri., Station to Grandfield	83
26-D---- Grandfield to Davidson	84
26-E---- Davidson to Frederick	85
27-A---- Addington to Temple	87
27-B---- Grandfield to Cache	90
28-A---- Duncan to Marlow	92
28-C---- Marlow Junction Via Lawton, to Snyder.....	94
29-A---- Marlow to Rush Springs	98
29-B---- Walters Via Lawton to Cement	99
29-C---- Alden to Agawam	104
29-D---- Ft. Sill to Rush Springs	107
Supplementary Points	109
Projection Tables	111
Projection Schedule Map (Plate II)	129
Control Survey Schedule Map (Insert)	130

Section II.

Foreword	131
Standard Marks of the US Coast & Geodetic Survey(Plate III)	131
Forms and Markings of Bench Marks	132
Line #25; El Reno to Jericho Texas (First Order)	134
Line #27; Mangum to Chickasha	136
Line #28; Woodward to Hardeman Co., Texas	138
Line #29; Grandfield to Walters	141
Line #34; El Reno to Terral, Texas. (First Order)	142
Line #35; Marlow to Dodsonville, Texas	145
Line #37; Vinson to Mangum	147
Line #39; Frederick to Devol	147
Line #64; Waurika to Bridgeport	148
Line #66; Clinton to Davidson	153
Index Map, Leveling in Oklahoma. (Plate IV)	156
Reference Bibliography	157
Key to Abbreviations	157

F O R E W O R D

Section I of this report comprises the results of Second Order Traverse and Second and Third Order Leveling executed in Southwestern Oklahoma under Relief Projects set up for the purpose of furnishing emergency employment to engineers, surveyors and other professional and semi-professional personnel.

The work was initiated in December 1933, under the Civil Works Administration. The first project was sponsored by the U.S. Coast and Geodetic Survey under direct supervision of Professor N.E. Wolfard as its State Representative. Continuing projects were sponsored by the Oklahoma State Conservation Commission in cooperation with the Federal Emergency Relief Administration and the Works Progress Administration, under which operations are now in progress. The Oklahoma Planning and Resources Board is sponsor of the current project. Professor Wolfard has administered the survey throughout.

All operations have been executed under U.S. Coast and Geodetic Survey specifications for the respective order of process. Obviously many difficulties were encountered due to the necessary employment of untrained personnel, to "shifting" and part-time employment periods and to lack of high grade equipment. Notwithstanding these drawbacks, "results to specifications" have been insistently demanded and secured as evidenced by numerous checks through intersecting traverses. The data have been used and checked by the U.S. Army Engineers, the U.S. Bureau of Reclamation and other engineering organizations requiring a high degree of accuracy. An occasional error in description, elevation or position is bound to appear in operations of this magnitude and information relative to any apparent error or discrepancy should be forwarded to the Office of the Oklahoma Geological Survey at Norman.

Permanency of monument location has been sought for but in some instances has been difficult to secure due to natural conditions combined with traverse performance limitations and justifiable cost. In some instances, monuments were placed closer than desirable to traveled ways or in other less protected locations due to consideration of measurement and sight facility without undue expense for "clearing line."

These monuments as well as other government survey monuments represent real money expended, but commensurate with this expenditure is a real basic value to the engineer, the planner, the geologist, the geophysicist, the terrestrial research man, the builder, the property owner, the military commandant, therefore to the general public who are the clientele and benefactors of the artisan and planner.

In the interest of preserving the maximum number of these control monuments there has been incorporated herein "Instructions for Resetting Control Survey Monuments and Bench Marks."

A Rectangular Coordinate system based on Lambert Conformal Projection has been established for Oklahoma and projection tables computed by the U.S. Coast and Geodetic Survey. These tables are appended to Section I.

An index map showing the location and identification numbers of the several traverses is appended. The data have been arranged in alphabetic order of traverse and in numerical order of stations within the traverse.

In order to maintain a nominal scale-factor, Oklahoma has been divided into a North Projection Zone and a South Projection Zone. These zones overlap 20 minutes of latitude thus placing each of the central East-West tier of counties wholly subject to either the North or South Projection. An index map showing the zone boundaries is appended. For zone borderline traverses, rectangular coordinates based on both the North and South Projections have been computed as well as the Geographic positions (latitude and longitude).

To facilitate progressive publication and distribution it was deemed expedient to divide the state into four districts, viz., NE, NW, SW & SE; the division lines being approximately parallel of latitude 35 degrees 30' and the 98th Meridian.

Section II of this report comprises the results of First Order and Second Order Spirit Leveling executed in Southwestern Oklahoma by the U.S. Coast and Geodetic Survey. This work has been accomplished periodically during the past thirty years. The major portion of the operations were carried on during the critical years of the recent depression and were financed from emergency relief funds.

Results of First Order and Second Order Triangulation executed in this area by the U.S. Coast & Geodetic Survey have not been included herein for the reason that a portion of the same is now available in bulletin form at the office of the Superintendent of Documents Washington, D.C., and the remainder of the data may be secured, on request, from the Director of the U.S. Coast and Geodetic Survey, Washington, D.C.

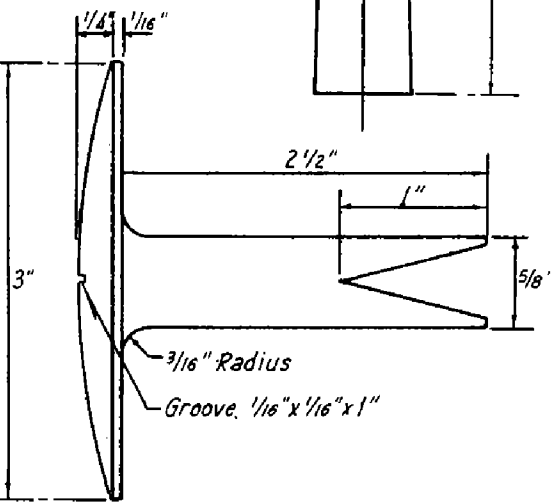
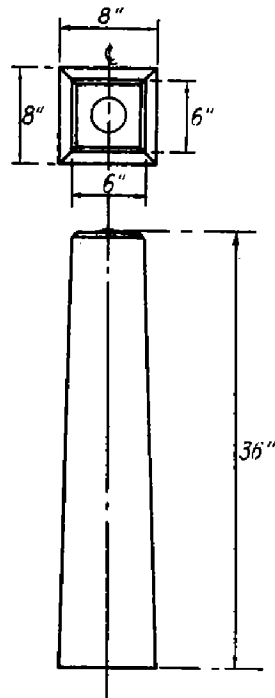
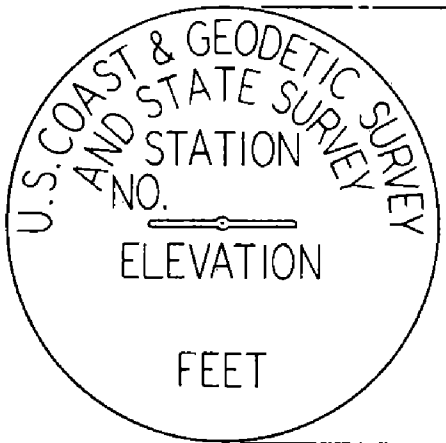
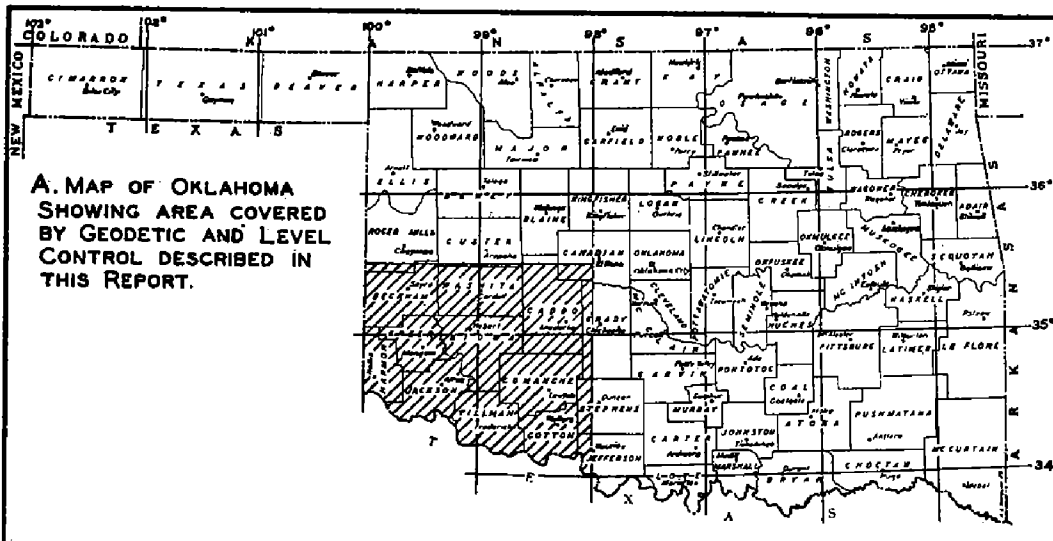
Appended to Section II is an index map showing the location and arbitrary designation numbers of the various level circuits for the purpose of facilitating reference to the published data. The data have been arranged according to the numerical order of the arbitrary designation numbers. Also appended is a list of publications of the U.S. Coast and Geodetic Survey which treat in detail of the field and office procedure in executing various types of surveys. Special Publications, No's., 193 and 194 entitled respectively, "Manual of Plane-Coordinate Computation" and "Manual of Traverse Computation on the Lambert Grid" will be of special interest and value in the fullest utilization of the data presented in this volume.

Engineers and surveyors have not availed themselves of the wealth of field control data and published information executed by the U. S. Coast and Geodetic Survey. The issuance of this and succeeding volumes of "Traverse and Leveling in Oklahoma," in addition to the publications of the Coast Survey will provide effective uniform vertical and horizontal control data throughout the western portion of Oklahoma and a considerable fund of data for the Eastern portion of the State.

Through the state coordinate grid described above, the engineer, and the planner are afforded uniform base control of geodetic scope and accuracy which can be used with the facility and simplicity of plane surveying and computation.

It is anticipated that public bureaus and corporate and private firms engaged in surveying, mapping, investigating and charting of natural resources and in the planning and coordinating of public and private enterprise will glimpse the utility and facility of this uniform accurate control data at their command and make immediate, continuous and extended use of the same.

N. E. Wolfard.



B. STANDARD CONCRETE MONUMENT AND BRONZE DISKS USED BY OKLAHOMA GEODETIC SURVEY FOR TRAVERSE STATION IDENTIFICATION

THE PLANE COORDINATE SYSTEM
FOR
OKLAHOMA

In order to employ a system of rectangular coordinates throughout an extended area, and hold the scale error determinant and within reasonable limit, it is necessary to select a type or method of projection which will conform to the area under consideration.

The Lambert Conformal Projection has been considered as most adaptable to the State of Oklahoma by the U. S. Coast and Geodetic Survey, which bureau has established a standard system of projection for each state in the Union. The following paragraphs are quoted from the Bureau's Special Publication #193:-

NEED OF PLANE SYSTEMS COVERING GREATER AREAS

"The progressive engineers of the country have become convinced that there is need for plane-coordinate systems that can be extended over wider territory without the introduction of discrepancies that vitiate the value of the work. Of course if all engineers would use geodetic computations there would not be need for such aids, but they do not favor this method of handling the situation. Work is started as a limited project for which a local coordinate system is amply sufficient and it is only when the undertaking is broadened to wider fields that the difficulties arise. When it becomes necessary to make use of the national control surveys to serve as basis for local work, the need for the more extensive coordinate systems is most painfully evident. It is quite a task to base local engineering work on basic control that has been computed geodetically; that is, the results of which are expressed in latitudes, longitudes, azimuths, and lengths. It can be done, of course, but not as satisfactorily as it could be done if the control work were computed directly on a plane-coordinate system. These are the reasons that have led to the insistent demand for the establishment of systems for whole states or for as large sections of each state as could be constructed without the introduction of too many complications in the method of using the system when it is once established."

ADVANTAGES TO LOCAL SURVEYORS

"The Coast and Geodetic Survey has already some 40,000 miles of control surveys fairly evenly distributed throughout the country at large. This network is being rapidly extended, and soon any place in the country will be near enough to this control system to make it a valuable asset as a basis for any engineering work. If the extended plane-coordinate systems are established and this control work is computed on the resulting grids, then the local surveyor can start his work from neighboring control points and make all of his computations on the general plane system just as he would do on any local system that he might establish. He would have the added advantage that his work would be coordinated with the general control system of the country and, therefore, if his work should be preserved, it could form the control for future engineering operations in that vicinity."

Control Traverse executed under the sponsorship of the Conservation Commission of Oklahoma and its successor bureau, the Water Resources Division of the Oklahoma Planning and Resources Board in cooperation with the Federal Works Progress Administration and its antecedents, supplements the triangulation control which has been established in Oklahoma by the U. S. Coast and Geodetic Survey.

With the plane-coordinates made available through this and succeeding publications together with current and future publications of the U. S. Coast and Geodetic Survey, the engineer and surveyor will rarely need to employ geodetic computation procedure except in passing from one projection zone to another or in converting his data from one projection system to another. The familiar latitude and departure procedure will suffice in all but extraordinary cases. It is anticipated that the engineer will avail himself of publications heretofore mentioned treating of computation methods and procedure, consequently they have been omitted herein.

Methods, modes, designs, procedures, as affecting the progress of civilizations, have passed or are passing through the stages of theoretical or radical; visionary or ultra modern; practical or modern; unpopular or obsolescent; outmoded or antique. Where in the scale of progress are our methods and procedure in surveys and survey records? Is our mapping policy and accomplishment commensurate with industrial, commercial, civic or military requirements? Is our national, state, community and city planning systematic, basic, coordinated? Would common uniform, accurate elevations and positions (both plane and spherical coordinates) computed and adjusted to a definite mathematical spheroid conforming very closely to the mean sea level curvature of the North American Continent be desirable and

economical and facilitate long time coordinated planning? The Oklahoma Plane Coordinate system affords just such vehicle of control.

AZIMUTHS

In obtaining values of azimuth from the tables of positions and coordinates, it is well that the reader consider some of the scientific aspects of this subject. There are three values of azimuth determined at each point. A definition and brief discussion of each is presented below.

1. ASTRONOMIC AZIMUTH

Astronomic Azimuth is the value obtained directly from observations on some celestial body.

For precise work in the United States, this body is invariably the star Polaris. In the determination of Astronomic Azimuth, the values are referred to that point on the celestial sphere defined by the direction of the force of gravity at the occupied station. In other words, that point on the celestial sphere intersected by the direction of the plumb line, extended upward. This point is known as the Astronomic Zenith.

Astronomic Azimuths are observed values and do not appear in the tables of positions.

2. GEODETTIC AZIMUTH

Geodetic Azimuth is the astronomic azimuth corrected for the deflection of the vertical.

Geodetic azimuth is referred to that point on the celestial sphere defined by the normal to the spheroid of reference at the occupied station, and known as the geodetic zenith. The spheroid of reference on which all the published data are based is the Clarke Spheroid of 1866. The astronomic zenith and the geodetic zenith do not coincide because the actual figure of the earth is not a perfect spheroid, but a geoid, containing bumps and irregularities.

The spheroid of reference is a theoretical surface conforming as closely as possible to the actual surface, or, in other words, the mathematically perfect spheroid most nearly approximating the actual figure of the earth. The angle at the observer's station, between the astronomic and the geodetic zeniths, is known as the deflection of the vertical.

The deflection of the vertical, and the correction to azimuth for it in the State of Oklahoma are usually small, never more than a few seconds, and are therefore negligible to the practising engineer.

The azimuths given in the tables of geodetic positions in this publication, and in all publications of the U.S. Coast and Geodetic Survey, and the U. S. Geological Survey, are geodetic azimuths. They are invariably reckoned in a clockwise direction from true south.

The column designated "Back Azimuth" gives the azimuth over the line in the reverse direction. It will be noted that this does not differ from the forward azimuth by exactly 180° . This difference is due to the convergence of the meridians. The azimuths at the stations at either end of the line are measured from the true meridian through the given station. Since the meridians of the two stations converge to the north and are not parallel, these azimuths will differ. The amount of difference depends on the difference in longitude between the two stations, and mean latitude of the line. In the special case of a true north and south line, the meridians are coincidental and the difference between forward and backward azimuths therefore is exactly 180° .

3. GRID AZIMUTH

Grid azimuth is the direction of a line referred to the control meridian of an arbitrarily chosen system of plane coordinates.

In this publication, this system of rectangular coordinates is placed upon a conical surface, secant to the spheroid of reference. This is known as the Lambert Projection. The central meridian is the Y axis of the system of coordinates and is coincident with 98th meridian of longitude.

Grid azimuth will differ in amount from true geodetic azimuth varying with the

distance from the central meridian or Y axis and in lesser degree with the distance from the X axis. Since the meridians converge to the northward, the correction to true azimuth to obtain grid azimuth will be positive in sign on the west side of the central meridian and negative on the east side. The value of this correction is the quantity theta, derived from the computation of plane coordinates from geodetic positions.

The azimuths noted and derived from plane coordinates in this publication are grid azimuths. They are reckoned in a clockwise direction from the south.

MONUMENTS AND MARKERS.

On initiation of these control surveys, a standard precast concrete monument in the form of a pyramid frustum was adopted. A sketch and dimensions of the same are shown on Plate I-B. On this plate also are shown the types of bronze disks employed for stamping station identification.

Unless otherwise stated, all stations consist of the standard concrete monument and bronze disk.

The station descriptions should carry sufficient information and "local ties" to insure future recovery and also indicate whether or not the monument remains in its original position. Some of these monuments are bound to be disturbed by the progress of development. It is hoped that in many instances the monument may be reset and the record of new location and elevation preserved as set forth in the instructions following.

I N S T R U C T I O N S For

Resetting Control Survey Monuments and Bench Marks.

It seems inevitable that a number of position monuments and bench marks which have been set by the U. S. Coast and Geodetic Survey and by the U.S. Geological Survey and relief organizations working in cooperation with the above agencies must necessarily be moved in the improvement and extension of highways.

It should be kept in mind that two distinct classes of monuments will be encountered, viz; bench marks, perpetuating elevations only, and triangulation and traverse monuments perpetuating both elevation and position. The bronze disk stamping will indicate the class of each monument. Monuments bearing elevation only are stamped with designation letter, number and date, thus, - M 107 1934, and may or may not be stamped B.M. Triangulation stations show the triangle form molded on the bronze plate, together with the name of station and date established. Triangulation reference and azimuth monuments bear the name of the triangulation station and "Ref." or "Azim" respectively. Traverse stations bear numeral letter, numeral designation, thus - 22-A-6, together with date and TT (Transit Traverse.)

IN MAKING INQUIRY OR REFERRING TO ONE OF THESE MONUMENTS ANYWHERE, ANY TIME, TO ANYONE, THE COMPLETE DESIGNATION STAMPING SHOULD BE GIVEN FOR COMPLETE IDENTIFICATION.

The U.S. Coast and Geodetic Survey has issued the following general instructions in regard to resetting bench marks perpetuating elevation only:-

"With special reference to the matter of relocating bench marks when they are found to be in the way of construction, repair, or maintenance projects, this bureau has worked out a routine method of handling these cases as follows:

"As soon as it becomes known that a mark must be moved, a letter should be sent to the Director, U.S. Coast & Geodetic Survey, Washington, D.C. Attention Section of Leveling, stating the necessity for moving the mark and giving its designation. The designation consists of the letters and numbers found to have been stamped with dies on the disk. It is desirable to furnish a rubbing of the disk as well. A rubbing can be made by placing a piece of medium weight paper over the disk, then rubbing over the paper with a hard pencil to bring out the legend cast in the disk, especially the letters and numbers stamped on it with dies.

"Upon receipt of this information, this office will send out a new disk properly stamped to show that it has been reset. Necessary instructions for the establishment of the new mark and the transfer of elevation will be sent.

"The proper procedure, in most cases is to establish the new mark in a safe place nearby and transfer the elevation from the old mark to the new one by means

of an engineer's level and rod. The levels should be run in duplicate to avoid the possibility of large errors and all readings should be made to 3 decimal places in order to preserve the accuracy of the original elevation.

"The old mark should not be disturbed until the observations involved in the transfer have been checked by the observer or the recorder. An assumed elevation for the old mark may be used in the transfer since what we are primarily concerned with, in a case of this sort, is the difference in elevation between the old mark and the new one established to replace it.

"After the new mark has been established and the elevation transferred to it, the old disk should be broken out and returned to this office in a franked mailing sack which will be supplied for the purpose. A complete report on the action taken including a description of the location in which the new mark is established and a copy of the field notes involved in the transfer of elevation, should also be forwarded to this office. A franked envelope will be furnished for this purpose."

The cooperation which individuals and organizations may extend to this office in preserving the bench marks will be a service not only to this bureau and other government surveying organizations, but to anyone who may have occasion to use the marks.

Triangulation stations, triangulation reference and azimuth monuments shall not be moved or disturbed except under specific instructions from the U.S. Coast & Geodetic Survey or authorized representatives.

Traverse stations may be reset under the following procedure:-

Immediately it be determined necessary to remove or reset a monument, notice to this effect should be mailed to N. E. Wolfard, University of Oklahoma, Norman, Okla., So long as relief projects are in operation, cooperation in this work will be gladly given, but once the relief funds are cut off and the organization disbanded there will be no opportunity for field cooperation. It will be necessary that the monuments be moved by highway parties operating in the vicinity and all notes and data pertaining to the resetting of the same be forwarded to Mr. Wolfard's office at Norman.

DO NOT TRY TO RESET THE MONUMENT AT ELEVATION IDENTICAL WITH FORMER POSITION.

The new position for the monument must be carefully selected so that inter-visibility is secured with preceding and succeeding monuments in the traverse.

In order to determine the position (co-ordinates) of the monument as reset both the distance and direction of "Shift" must be carefully observed and recorded.

Carefully set the transit over the monument to be moved; set a substantial Hub (denoted A, on the accompanying sketch) with tack, at a convenient distance in the direction which the monument is to be moved; and at approximate right angle to the general course of the Traverse; carefully measure and record, - check measure and record the distance between monument and Hub A. The tape must be held horizontal or if slope measure is taken then the difference of elevation of the points should be determined (by transit or hand level) and recorded so that the horizontal distance may be computed.

Next plunge the telescope and set another hub, (denoted B on the accompanying sketch) across the R.o.W. With the transit still over the undisturbed monument carefully measure the angles from the preceding traverse station to Hub A, and from Hub A to succeeding Traverse Station. Each of these angles should be read 6 D/R and the supplement or closing angle should also be read 6 D/R giving closure not exceeding 8 seconds. Now set the transit carefully over Hub A, - center on the monument and establish tack point in Hub; carefully check the last operation since on it depends the accuracy of direction of "Shift".

In transferring the elevation from the old station to the new one the same procedure will be followed as recommended by the Coast & Geodetic Survey for the transfer of elevations in resetting the bench marks as set forth above.

The monument may now be moved and reset in concrete; careful manipulation and tamping will be necessary in order that the monument will not "season and settle" off line. The transit will be intermittently centered on Hub B, then on the monument to insure alignment.

The distance from Hub A to the new position of monument is now measured and recorded in the same manner as the previous measurement from the original location.

The difference between these measurements represent the distance of "Shift."

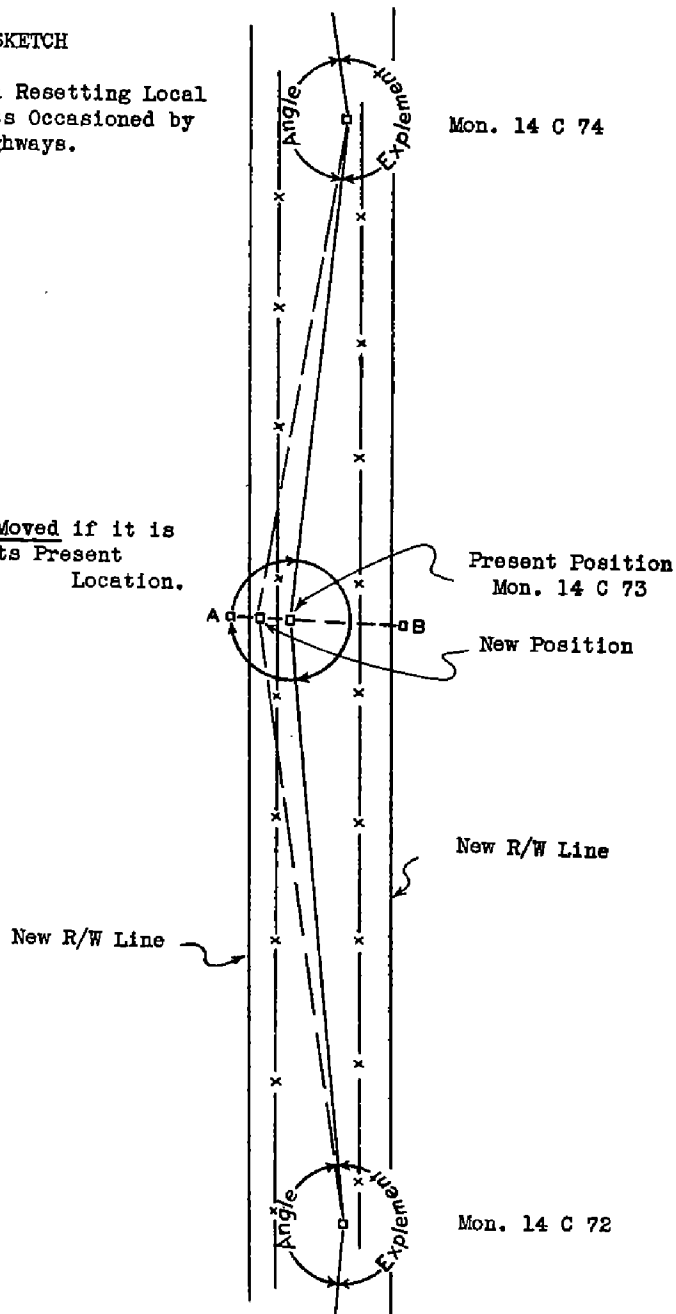
In case it seems desirable to postpone resetting of the monument until construction work has been finished, a duplicate set of hubs should be set so as to insure perpetuation of line and position until the monuments shall have been reset, since traverse stations perpetuate both elevation and position it is necessary that intervisibility be maintained between adjacent monuments. This must be kept in mind in choosing a new location for any given traverse point.

It will be necessary to exercise a little more caution and precision in measuring both distance and angles than is used in ordinary highway work. The specifications for second order traverse call for a maximum error in angle closure of six seconds and a maximum error in linear closure of 1 in 10,000.

All data pertaining to the moving of monuments should be recorded in the regular field book for the job and abstracts of all data forwarded to the respective offices as noted above. A sketch showing details of transfer operations and bearing North indicator should accompany the notes.

ILLUSTRATIVE SKETCH
for
Procedure in Moving and Resetting Local
Control Survey Monuments Occasioned by
Widening of Highways.

No Monument Should be Moved if it is
Possible to Preserve its Present
Location.



- er. C/L chimney sq.top farmhouse about 1 mi.in azimuth 343°51'23". SW cor. chimney unpainted farmhouse $\frac{1}{4}$ mi.in azimuth 109°27'48". W.apex yellow farmhouse about 300 ft.N.in azimuth 203°41'33".
- X-1,804,879.26 Y-681,439.12 El. 1502.856 ft.
9-K-11 TT 1936; Washita Co., 7.0 mi.N. & 3.75 mi.W. of Carnegie; near SW cor. of SE sec.34, T9N R14W; 23 ft.N. of C/L 2nd Std. Parallel trail. OSCC Marker. C/L chimney small white farmhouse about 1 mi.in azimuth 15°18'17". E.apex unpainted farmhouse about 1 mi.in azimuth 64°56'12". C/L chimney sq.top farmhouse about $1\frac{1}{2}$ mi.in azimuth 222°55'23".
- X-1,801,045.70 Y-681,529.31 El. 1539.284 ft.
9-K-12 TT 1936; Washita Co., 7.0 mi.N. & 4.4 mi.W. of Carnegie; 31 ft.N. of C/L of 2nd Parallel trail about 65 ft.NW of small farmhouse; E. of & 4.0 ft.N. of E. gate post in S. R/W fence. OSCC Marker. W.apex white farmhouse about $1\frac{1}{2}$ mi.in azimuth 339°05'43". C/L chimney white farmhouse about 2 mi.in azimuth 43°28'48".
- X-1,797,539.35 Y-681,489.44 El. 1514.497 ft.
9-K-13 TT 1936; Washita Co., 7.0 mi.N. & 5.6 mi.W. of Carnegie; 7.5 mi.N. & 2.4 mi. E. of Mt.View; near SE cor. SW SE sec.32, T9N R14W; 26 ft.N. of C/L 2nd Std. Parallel trail. OSCC Marker. W.apex small white farmhouse about 2 mi.in azimuth 304°11'34". N.apex white farmhouse about 2 mi.in azimuth 14°56'49". S.apex white farmhouse about 1 mi.in azimuth 191°04'34".
- X-1,791,591.69 Y-681,594.83 El. 1498.944 ft.
9-K-14 TT 1936; Washita Co., 7.0 mi.N. & 6.6 mi.W. of Carnegie; 7.5 mi.N. & 1.4 mi. E. of Mt.View; near NW cor. of NE NE NW of sec.6, T9N R15W; 16 ft.S. of C/L 2nd Std. Parallel trail just SE of private line N.; about 0.1 mi.W. of graveled road from Mt. View to Cowden. OSCC Marker. W.apex small white farmhouse about 3 mi.in azimuth 292°15'53". N.apex white farmhouse about $2\frac{1}{2}$ mi.in azimuth 341°58'53". S.apex large white farmhouse about $\frac{1}{4}$ mi.in azimuth 233°07'13".
- X-1,786,354.63 Y-681,584.63 El. 1498.604 ft.
9-K-15 TT 1936; Washita Co., 7.5 mi.N. & 0.3 mi.E. of Mt.View; near SE cor. SW SE SE sec.36, T9N R15W; 30 ft.N. of C/L 2nd Std. Parallel trail on S. end red sand stone knoll about 25 ft. above said trail; 45 ft.W. of cross fence and hedge row on S; OSCC Marker. N.apex white farmhouse about $1\frac{1}{2}$ mi.in azimuth 342°10'50". C/L chimney small buff farmhouse about $2\frac{1}{2}$ mi.in azimuth 27°40'05". S.apex unpainted farmhouse about $2\frac{1}{2}$ mi.in azimuth 103°56'00".
- X-1,781,388.17 Y-681,685.06 El. 1428.340 ft.
9-K-16 TT 1936; Washita Co., 7.5 mi.N. & 0.75 mi.W. of Mt.View; near NE cor. NW NW sec.2, T9N R15W; 21 ft.S. of C/L 2nd Std. Parallel trail in range of cross fence S.; 3.5 ft.E. of range of cross fence N. ($\frac{1}{2}$ sec. fence sec.35). OSCC Marker. W.apex farmhouse about $1\frac{1}{2}$ mi.in azimuth 282°16'57". C/L chimney sq.top farmhouse about 2 mi. in azimuth 34°48'45". W.apex farmhouse about $1\frac{1}{3}$ mi.in azimuth 214°22'07".
- X-1,774,622.81 Y-681,694.00 El. 1367.411 ft.
9-K-17 TT 1936; Washita Co., 7.5 mi.N. & 2.6 mi.W. of Mt.View; near the SE cor. SW SW sec.34, T9N R15W; 33.0 ft.N. of C/L 2nd Std. Parallel trail on top of first high hill E. of Washita River; 1265.0 ft.E. & 33 ft.N. of approx. S. cor. secs. 34 & 33. OSCC Marker. E. side E. chimney Hopewell School about 2 mi.in azimuth 356°23'30". E. apex white farmhouse about 2 mi.in azimuth 118°49'45". S.apex white farmhouse about $1\frac{1}{2}$ mi.in azimuth 212°19'35".
- X-1,767,689.88 Y-681,815.82 El. 1440.020 ft.
9-K-18 TT 1936; Washita Co., 7.5 mi.N. & 4.1 mi.W. of Mt.View; near the NW cor. of NE NE NE sec.6, T9N R15W; 25 ft.S. of C/L 2nd Std. Parallel trail; 320 ft.W. of C/L private drive to farmhouse N. of road. OSCC Marker. E.apex yellow farmhouse about 1 mi.in azimuth 23°26'21". E.apex yellow farmhouse about 3 mi.in azimuth 116°55'36". C/L chimney sq.top white farmhouse about 3 mi.in azimuth 219°03'16".
- X-1,755,203.40 Y-681,854.63 El. 1505.664 ft.
9-K-18-A TT 1936; Washita Co., 7.5 mi.N. & 4.6 mi.W. of Mt.View; 9.0 mi.N. & 2.2 mi. E. of NE cor. of Gotebo; near NE cor. of NW NW sec.6, T9N R15W; 29.0 ft.S. of C/L 2nd Std. Parallel trail; 295 ft.W. & 109 ft.S. of SW cor. of farmhouse N. of trail. Mark is cross cut in end $\frac{1}{4}$ in. iron rod set in concrete cast in place. E.apex white farmhouse about 1 mi.in azimuth 1°46'59". E.apex white farmhouse in azimuth 99°29'39". C/L chimney square top house about 4 mi.in azimuth 221°46'59".
- X-1,753,052.33 Y-681,863.17 El. 1521.728 ft.
9-K-19 TT 1936; Washita Co., 7.5 mi.N. & 6.1 mi.W. of Mt.View; 9.0 mi.N. & 0.9 mi. E. of NE cor. Gotebo; 367.0 ft.W. & 34.0 ft.N. of NE cor. sec.2, T9N R16W; 34.0 ft.N. of 2nd Std. Parallel trail just NW of small mott of trees and orchard. OSCC Marker. N. apex white farmhouse about 1 mi.in azimuth 10°13'54". E.apex white farmhouse about $\frac{1}{2}$ mi.in azimuth 116°13'14". C/L chimney farmhouse about 4 mi.in azimuth 230°30'14".
- X-1,747,039.29 Y-681,973.36 El. 1556.568 ft.
9-K-20 TT 1936; Washita Co., 7.5 mi.N. & 7.2 mi.W. of Mt.View; 9.0 mi.N. & 0.2 mi. W. of Gotebo; 837.7 ft.W. & 28.0 ft.S. of NE cor. sec.3, T9N R16W; 28 ft.S. of 2nd. Std. Parallel trail in range of W. side of white farmhouse N. of road. OSCC Marker. W.apex white farmhouse about $1\frac{1}{2}$ mi.in azimuth 318°30'03". C/L chimney white farmhouse about 3 mi.in azimuth 68°44'03". W.apex white farmhouse about $\frac{1}{2}$ mi.in azimuth 245°05'43".
- X-1,741,294.30 Y-681,955.23 El. 1591.608 ft.

- 9-K-20A TT 1936; Washita Co., 9.0 mi.N. & 0.5 mi.W. of Gotebo; near NW cor. NE sec. 3, T9N R16W; 29.5 ft.S. of C/L 2nd Std. Parallel trail and in range of cross fence S, about 500 ft. NE of unpainted farmhouse. Bolt set in concrete. W. apex white farmhouse about $\frac{1}{2}$ mi. in azimuth $297^{\circ}4'51''$. C/L chimney white farmhouse about 2 mi. in azimuth $65^{\circ}40'09''$. S. apex white farmhouse about $\frac{1}{2}$ mi. in azimuth $188^{\circ}35'09''$.
 X-1,739,530.46 Y-681,965.73 El.1600.223 ft.
- 9-K-21 TT 1936; Washita Co., 9.0 mi.N. & 1.9 mi.W. of NE cor. of Gotebo; near SW cor. SE SE sec. 33, T9N R16W; 25.4 ft.N. of C/L 2nd Std. Parallel trail and in range with cross fence S.; 677 ft.E. of cross fence N. OSCC Marker. N. apex white farmhouse about $\frac{1}{2}$ mi. in azimuth $326^{\circ}40'23''$. S. apex white farmhouse about 2 mi. in azimuth $224^{\circ}47'28''$. C/L chimney white farmhouse about 2 mi. in azimuth $73^{\circ}06'28''$.
 X-1,732,258.27 Y-682,113.77 El.1616.182 ft.
- 9-K-22 TT 1936; Washita Co., 9.0 mi.N. & 3.6 mi.W. of Gotebo; 3.0 mi.N. & 6.6 mi.E. of Rocky; 865.0 ft.W. & 21.5 ft.N. of SE cor. sec. 31, T9N R16W; 21.5 ft.N. of C/L 2nd Std. Parallel trail; 46.5 ft.N. & 208.0 ft.E. of 16" cottonwood tree. OSCC Marker. S. apex white farmhouse about 2 mi. in azimuth $315^{\circ}54'11''$; C/L chimney white farmhouse about 3 mi. in azimuth $54^{\circ}10'11''$. S. apex white farmhouse about $2\frac{1}{2}$ mi. in azimuth $208^{\circ}48'06''$.
 X-1,725,446.92 Y-682,151.21 El.1649.112 ft.
- 9-K-23 TT 1936; Washita Co., 9.0 mi.N. & 4.8 mi.W. of Gotebo; 3.0 mi.N. & 5.4 mi.E. of Rocky; near NE cor. NW $\frac{1}{2}$ sec. 1, T9N R17W; 371.0 ft.W. of $\frac{1}{2}$ sec. S. & 668.0 ft.E. of cross fence S.; 21.7 ft.S. of C/L 2nd Std. Parallel trail. OSCC Marker. N. apex white farmhouse about $\frac{1}{2}$ mi. in azimuth $311^{\circ}25'12''$. C/L chimney unpainted farmhouse about 3 mi. in azimuth $40^{\circ}19'52''$. Peak of dome on Washita Co. Courthouse at Cordell in azimuth $158^{\circ}47'17''$.
 X-1,717,108.11 Y-682,161.59 El.1622.671 ft.
- 9-K-24 TT 1936; Washita Co., 3.0 mi.N. & 3.75 mi.E. of Rocky; near SE cor. sec. 34, T9N R17W; 25.5 ft.N. of C/L 2nd Std. Parallel trail; 2.5 ft.W. of NW R/W fence cor. OSCC Marker. W. apex unpainted farmhouse about 2 mi. in azimuth $296^{\circ}57'36''$. Tip of belfry on Mt. Zion School about 2 mi. in azimuth $60^{\circ}10'53''$. S. apex white farmhouse about 2 mi. in azimuth $180^{\circ}27'21''$.
 X-1,708,447.12 Y-682,301.89 El.1584.327 ft.
- 9-K-25 TT 1936; Washita Co., 3.0 mi.N. & 2.4 mi.E. of Rocky; near NE cor. NW $\frac{1}{2}$ sec. 4, T9N R17W; 13.0 ft.S. of C/L 2nd Std. Parallel trail; 4.0 ft.N. and in range of cross fence to S.; at W. end of Bois de arc hedge. OSCC Marker. Tip of belfry on Mt. Zion School about $\frac{1}{2}$ mi. in azimuth $24^{\circ}20'21''$. Peak of dome on Washita Co. Courthouse at Cordell about 7 mi. in azimuth $186^{\circ}13'16''$. W. apex white farmhouse about $\frac{1}{2}$ mi. in azimuth $246^{\circ}19'21''$.
 X-1,701,317.38 Y-682,355.32 El.1637.271 ft.
- 9-K-26 TT 1936; Washita Co., 3.2 mi.N., via OK.Hwy.#14, & 1.6 mi.E. of Rocky; near SW cor. SW $\frac{1}{2}$ sec. 32, T9N R17W; 22.0 ft.N. of C/L 2nd Std. Parallel trail in range of W. side of Sq. farmhouse S. of trail; 131.0 ft.E. of $\frac{1}{2}$ sec. fence N. OSCC Marker. S. apex white farmhouse about 2 mi. in azimuth $286^{\circ}46'38''$. C/L chimney white farmhouse about 1 mi. in azimuth $15^{\circ}37'18''$. Peak of dome on Washita Co. Courthouse at Cordell about 7 mi. in azimuth $196^{\circ}28'58''$.
 X-1,695,437.09 Y-682,446.09 El.1661.958 ft.
- 9-K-27 TT 1936; Washita Co., 3.05 mi. NE of Rocky; near SE cor. NE NW NE sec. 1, T9N R16W; 37.3 ft.W. of C/L OK.Hwy.#14; 2.5 ft.E. of SLS&F RR & Hwy. R/W fence; 187.0 ft.S. of RR MP.704-10; 783.0 ft.SW of C/L 2nd Std. Parallel trail. OSCC Marker. Peak Rocky watertower about 2 mi. in azimuth $9^{\circ}33'35''$. E. apex white farmhouse about 3 mi. in azimuth $58^{\circ}45'20''$. Peak of dome of Washita Co. Courthouse at Cordell about 7 mi. in azimuth $209^{\circ}43'48''$.
 X-1,686,342.23 Y-681,704.38 El.1718.645 ft.
- 9-K-27A TT 1936; Washita Co., 2.55 mi. NE of Rocky; near center S. line SW NE sec. 1, T9N R16W; 2.5 ft.E. of E. edge of Hwy.#14 and in range of $\frac{1}{2}$ sec. line E.; 314.0 ft. NE MP.704-25 on SLS&F RR. Bolt set in concrete cast-in-place about 8" below pavement surface. Peak Rocky watertower about 2 mi. in azimuth $8^{\circ}22'43''$. C/L chimney sq. top house about 2 mi. in azimuth $103^{\circ}09'03''$. W. apex white farmhouse about $\frac{1}{2}$ mi. in azimuth $186^{\circ}07'13''$.
 X-1,685,663.50 Y-679,674.33 El.1702.009 ft.
- 9-K28 TT 1936; Washita Co. 1.2 mi. NE of Rocky, via OK.Hwy.#14; near NE cor. NW NW sec. 13, T9N R16W. on top of spoil bank of SLS&F RR; 48.0 ft.W. of C/L 2nd Std. Parallel trail 48.0 ft.W. of C/L OK.Hwy.#14 & 33.5 ft.S. of C/L E-W trail; 2.0 ft.N. & 7.5 ft.W. of RR. & Hwy. R/W fence. cor. OSCC Marker. C/L chimney red top farmhouse about 1 mi. in azimuth $248^{\circ}49'02''$. Peak Rocky watertower about 1 mi. in azimuth $1^{\circ}08'52''$. Peak Sentinel watertower about 6 mi. in azimuth $80^{\circ}13'52''$.
 X-1,683,485.27 Y-671,704.63 El.1687.767 ft.
- 9-K-29 TT 1936; Washita Co., 0.7 mi.N. of Rocky, via OK.Hwy.#14; near NW SE SW sec. 13, T9N R16W; 1.5 ft.E. of E. edge of pavement & 2.0 ft.S. of fence line; 24.9 ft. W. of cor. post in range of cross fence to E. & 221.0 ft. NE MP.707 on SLS&F RR. OSCC Marker. W. apex white farmhouse about $\frac{3}{4}$ mi. in azimuth $219^{\circ}25'12''$. Peak Rocky watertower about $\frac{1}{2}$ mi. in azimuth $357^{\circ}37'27''$. C/L chimney sq. top white farmhouse about 2 mi. in azimuth $124^{\circ}46'47''$.
 X-1,683,131.55 Y-668,531.06 El.1660.212 ft.

- 9-K-30 TT 1936; Washita Co., 0.8 mi. S. of Rocky, via OK Hwy. #14; near NE cor. sec. 26, T&N R1&W; 2.0 ft. W. of W. edge of pavement at intersection of sec. line road; 20.9 ft. N. & 21 ft. E. of NE cor. power sub. sta. OSCC Marker set 8" below pvt. level. Peak Rocky Water tower about $\frac{1}{2}$ mi. in azimuth $186^{\circ}37'05''$. W. apex red roofed white farm house about $\frac{1}{2}$ mi. in azimuth $358^{\circ}21'05''$. E. apex white farmhouse about $2\frac{1}{2}$ mi. in azimuth $134^{\circ}05'05''$.
X-1,683,017.23 Y-661,147.09 El.1621.635 ft.
- 9-K-31 TT 1936; Washita Co., 0.8 mi. S. & 1.15 mi. W. of Rocky; 632.0 ft. W. & 42.5 ft. S. of NE cor. sec. 27, T&N R1&W; 42.5 ft. N. of C/L of sec. line road. OSCC Marker. W. apex white farmhouse about $\frac{1}{2}$ mi. in azimuth $280^{\circ}39'35''$. W. edge of N. chimney on red farmhouse about $\frac{1}{2}$ mi. in azimuth $109^{\circ}51'08''$. Peak Rocky watertower about $1\frac{1}{2}$ mi. in azimuth $247^{\circ}04'15''$.
X-1,677,142.60 Y-661,201.58 El.1630.915 ft.
- 9-K-32 TT 1936; Washita Co., 0.8 mi. S. & 2.45 mi. W. of Rocky; near SW cor. SE $\frac{1}{2}$ sec. 21, T&N R1&W; 24.0 ft. N. of C/L of sec. line road; in range of W. side of white farm house S. of trail. OSCC Marker. N. peak of roof white farmhouse about 150 ft. in azimuth $353^{\circ}46'33''$. Peak Sentinel watertower about 4 mi. in azimuth $102^{\circ}39'43''$. Peak Rocky watertower about 2 mi. in azimuth $259^{\circ}28'03''$.
X-1,670,207.56 Y-661,378.42 El.1690.179 ft.
- 9-K-33 TT 1936; Washita Co., 0.8 mi. S. & 3.0 mi. W. of Rocky; 26 ft. S. & 34.0 ft. E. of NW cor. sec. 28, T&N R1&W; in NW cor. rural church yard; 100 yds. SE of Pleasant Home School; 80 ft. N. & 49.4 ft. W. of NW cor. said church. OSCC Marker. N. apex white farm house about $\frac{1}{2}$ mi. in azimuth $359^{\circ}19'06''$. Peak Sentinel watertower about 3 mi. in azimuth $104^{\circ}51'16''$. S. apex unpainted farmhouse about $\frac{1}{2}$ mi. in azimuth $236^{\circ}14'41''$.
X-1,667,234.89 Y-661,344.64 El.1673.278 ft.
- 9-K-34 TT 1936 Washita Co., 0.8 mi. S. & 4.0 mi. W. of Rocky; 27.5 ft. W. & 36.5 ft. N. of SE cor. sec. 19, T&N R1&W; 37.5 ft. E. & 62.5 ft. N. of hi-line pole #4445; SW of sec. cor. OSCC Marker. N. apex white farmhouse about 1 mi. in azimuth $284^{\circ}09'45''$. Peak Sentinel watertower about 2 mi. in azimuth $110^{\circ}24'00''$. Apex of Rocky watertower about 4 mi. in azimuth $263^{\circ}49'20''$.
X-1,661,867.94 Y-661,496.12 El.1648.043 ft.
- 9-K-35 TT 1936; Washita Co., 0.8 mi. S. and 4.5 mi. W. of Rocky; 0.8 mi. S. & 1.85 mi. E. of Sentinel near NW cor. NE NE NW sec. 30, T&N R1&W; 21.5 ft. S. of C/L sec. line trail; 791.5 ft. W. of cross fence S. and about 800 ft. E. of small farmhouse S. of road. OSCC Marker. N. apex unpainted farmhouse about 2 mi. in azimuth $347^{\circ}44'16''$. Sentinel water tower about $1\frac{1}{2}$ mi. in azimuth $117^{\circ}41'51''$. Rocky watertower about 5 mi. in azimuth $264^{\circ}34'11''$.
X-1,658,466.70 Y-661,455.50 El.1663.712 ft.
- 9-K-36 TT 1936; Washita Co., 0.8 mi. S. & 5.95 mi. W. of Rocky; 0.8 mi. S. & 0.55 mi. E. of Sentinel; 301.0 ft. E. & 24.6 ft. N. of SW cor. sec. 24, T&N R1&W; 24.6 ft. N. of C/L sec. line road; in range of W. farm lot fence S. of trail. OSCC Marker. W. apex main roof white farmhouse about 2 mi. in azimuth $320^{\circ}14'41''$. Peak Sentinel watertower about 1 mi. in azimuth $157^{\circ}19'11''$. Peak Rocky watertower about 6 mi. in azimuth $265^{\circ}59'21''$.
X-1,651,746.36 Y-661,605.78 El.1683.323 ft.
- 9-K-37 TT 1936; Washita Co., 0.8 mi. S. & 0.8 mi. W. of Sentinel; near NW NE NE NE sec. 27, T&N R1&W; 22.5 ft. S. of C/L sec. line road, in range of W. farm lot fence of unpainted farmhouse S. of road; 562.0 ft. W. of W. rail main track K.C.M.O (Santa Fe RR). OSCC Marker. N. apex yellow farmhouse about 1 mi. in azimuth $296^{\circ}43'44''$. S. apex white farmhouse about 3 mi. in azimuth $156^{\circ}17'49''$. Peak Sentinel watertower about 1 mi. in azimuth $224^{\circ}30'49''$.
X-1,645,693.31 Y-661,615.29 El.1616.261 ft.
- 9-K-38 TT 1936; Washita Co., 0.8 mi. S. & 1.85 mi. W. of Sentinel; near SE SW SE SE sec. 21, T&N R1&W; 19.5 ft. N. of C/L sec. line road; in range of E. fence to private drive to S. OSCC Marker. C/L chimney unpainted farmhouse about 1 mi. in azimuth $49^{\circ}01'22''$. S. apex white farmhouse about 1 mi. in azimuth $184^{\circ}37'02''$. Peak Sentinel watertower about 2 mi. in azimuth $247^{\circ}03'02''$.
X-1,640,334.33 Y-661,734.50 El.1610.500 ft.
- 9-K-39 TT 1936; Washita Co., 0.2 mi. N. & 2.75 mi. W. of Sentinel, via graveled Co. road; 512.0 ft. E. & 32.5 ft. S. of NW cor. sec. 21, T&N R1&W; gravel "T" road extends N. at sec. cor. OSCC Marker. N. apex white farmhouse about $2\frac{1}{2}$ mi. in azimuth $19^{\circ}06'53''$. E. apex red farmhouse about $2\frac{1}{2}$ mi. in azimuth $124^{\circ}38'48''$. Peak Sentinel watertower about 2 mi. in azimuth $290^{\circ}55'48''$.
X-1,636,028.72 Y-667,026.26 El.1630.990 ft.
- 9-K-40 TT 1936; Washita Co., 0.2 mi. N. & 4.7 mi. W. of Sentinel, via graveled Co. road; 31.5 ft. S. of C/L. 530.0 ft. E. & 31.5 ft. S. NW cor. sec. 19, T&N R1&W; about 750 ft. E. of white farm bungalow SW of sec. cor. OSCC Marker. N. apex light color brick farm house about 1 mi. in azimuth $350^{\circ}35'04''$. C/L chimney sq. top farmhouse about $1\frac{1}{2}$ mi. in azimuth $123^{\circ}48'41''$. S. apex white farmhouse about $2\frac{1}{2}$ mi. in azimuth $234^{\circ}27'24''$.
X-1,625,650.87 Y-667,159.58 El.1681.634 ft.
- 9-K-41 TT 1936; Washita Co., 0.2 mi. N. & 6.9 mi. W. of Sentinel, via graveled Co. road 29.5 ft. N. of C/L; near SE cor. SW SE SE sec. 15, T&N R2&W; 70.0 ft. S. & 106.0 ft. E. of SE cor. small white farmhouse N. of road in locust mott, OSCC Marker. W. apex white f farmhouse about $2\frac{1}{2}$ mi. in azimuth $314^{\circ}09'26''$. C/L chimney sq. top farmhouse about 2

- mi.in azimuth 26°39'11". SE cor.chimney main brick bldg. Port.Con.School about 3 mi.in azimuth 209°16'36".
 X-1,613,931.33 Y-667,380.69 El.1702.457 ft.
- 9-K-42 TT 1936; Washita Co., 0.2 mi.N. & 7.8 mi.W. of Sentinel, via graveled Co. road; 29.0 ft.S. & 38.0 ft.E. of NW cor.sec.22, T&N R20W; 107.0 ft.E. & 38.0 ft.N. of cor. of concrete porch at white farmhouse SW of intersection. OSCC Marker. Peak of spire on Pleasant Grove School about 2½ mi.in azimuth 328°31'21". N.apex yellow farmhouse about 1 mi.in azimuth 75°36'31". SE cor.chimney on main brick bldg. Port Con.School about 3 mi.in azimuth 220°32'51".
 X-1,609,323.62 Y-667,376.60 El.1712.463 ft.
- 9-K-43 TT 1936; Washita Co., 0.2 mi.N. & 8.65 mi.W. of Sentinel, via graveled Co. road; 30.0 ft.N. of C/L; near SW cor.SE SW SW sec.16, T&N R20W; 15.5 ft.E. & 58.0 ft. S. of SE cor. of main part of farmhouse; in range of farmhouse fence. OSCC Marker. C/L W.chimney white farmhouse about 3 mi.in azimuth 319°14'26". E.apex white farm house about 3 mi.in azimuth 75°43'34". SE cor.chimney on main brick bldg.at Port Con.School about 5 mi.in azimuth 228°54'14".
 X-1,604,903.88 Y-667,487.85 El.1734.881 ft.
- 9-K-44 TT 1936; Washita Co., 0.2 mi.N. & 10.8 mi.W. of Sentinel, via graveled Co. road; near SE cor.SW SW SW sec.18, T&N R20W; 20 ft.N. of C/L said road; 59.6 ft.N. & 29.9 ft.E. of main gate post in Retrop School yard N.fence; 300 ft.E. of Retrop School Store; in range of & 96.1 ft.S. of E. side of white farmhouse N. of road; OSCC Marker. S.apex yellow farmhouse about ½ mi.in azimuth 83°43'48". S.apex main roof white farmhouse about 1½ mi.in azimuth 128°16'48". SE cor.chimney main brick bldg. Port on.School about 6 mi.in azimuth 241°50'08".
 X-1,593,911.43 Y-667,591.98 El.1784.367 ft.
- 9-45-TT 1936; Washita Co., 0.2 mi.N. & 11.5 mi.W. of Sentinel; 1833 .0 ft.E. & 32. 0 ft.S. of NW sec.24, T&N R21W; 0.65 mi.W. of Retrop School; 32.0 ft.S. of C/L Co.road in range E. side farmhouse N. of road. OSCC Marker. S.apex white farmhouse about 1 mi in azimuth 304°04'52". N.apex white farmhouse about ¾ mi.in azimuth 35°37'18". S. apex white farmhouse about 2 mi.in azimuth 105°14'08".
 X-1,590,088.98 Y-667,620.10 El.1776.615 ft.
- 9-K-46 TT 1936; Beckham Co., 0.2 mi.N. & 12.9 mi.W. of Sentinel; 4.0 mi.S. & 5.75 mi.E. of Carter; via graveled Co.road; 32.0 ft.N. of C/L; 640.0 ft.W. & 32.0 ft.N. of SE cor.sec. 15, T&N R21W; 2.05 mi.W. of Retrop School cor. OSCC Marker. W.apex white farmhouse about 3 mi.in azimuth 295°39'06". S.apex white farmhouse about 2 mi.in azimuth 185°22'49". Peak Sentinel watertower about 12 mi.in azimuth 271°36'49".
 X-1,582,345.62 Y-667,849.89 El.1852.239 ft.
- 9-K-47 TT 1936; Beckham Co., 3 mi.S. & 4.7 mi.E. of Carter, via OK.Hwy.#34 & sec. line road; near SW cor.SW SE sec.9, T&N R21W; 22 ft.N. of C/L E-W road in range of W. side farmhouse N. of road; 20.5 ft.S. & 11 ft.E. of E.gate post at private drive to said house. OSCC Marker. N.apex unpainted farmhouse about ¾ mi.in azimuth 331° 06'47". S.apex white farmhouse about 1½ mi.in azimuth 215°40'35". Peak Sentinel watertower about 14 mi.in azimuth 275°37'40".
 X-1,576,165.27 Y-673,210.51 El.1871.495 ft.
- 9-K-48 TT 1936; Beckham Co., 3 mi.S. & 4.3 mi.E. of Carter, via OK.Hwy.#34 & sec.1 line roads; near NW cor.NE NW sec.16, T&N R21W; 26.0 ft.S. of C/L E-W road in range of W. side long white farmhouse N. of road; 6.5 ft.E. & 1.5 ft.N. of E.gate post in S. R/W fence. OSCC Marker. N.apex unpainted farmhouse about 1 mi.in azimuth 306°34'11" Apex.S.porch roof on white farmhouse about 2 mi.in azimuth 108°23'56". S.apex small white farmhouse about 2 mi.in azimuth 134°42'45".
 X-1,573,904.72 Y-673,176.94 El.1865.034 ft.
- 9-K-49 TT 1936; Beckham Co., 3.0 mi.S. & 3.75 mi.E. of Carter, via OK.Hwy.#34 & sec. line roads; near SW cor. SE, SE, sec.8, T&N R21W; 40.0 ft.N. of C/L E-W road; 89.5 ft.W. & 52.0 ft.S. of SW cor. house on N. side of road; 6 ft.E. of range of hedge of large locust trees S. of road; 40 penny nail set in concrete; NW cor. brick bldg. Ocina School about 7 mi.in azimuth 49°33'41"; Peak Carter water tower about 4 mi. in azimuth 128°01'09".
 X-1,571,234.20 Y-673,285.31 El. 1841.840 ft.
- 9-K-50 TT 1936; Beckham Co., via OK.Hwy.#34 & sec.line road; near NE cor.sec.13, T&N R22W; 36.0 ft.S. of C/L of Co.road; 36 ft.S. & 52.0 ft.W. of N-S sec.line fence cor.N. of road; 48.0 ft.W. of fence cor.on N-S fence S. of road. OSCC Marker. W.apex unpainted farmhouse about 3 mi.in azimuth 290°10'17". Peak sq.top farmhouse about 1 mi.in azimuth 78°13'09". Peak Carter watertower about 3 mi.in azimuth 144°01'49".
 X-1,562,060.29 Y-673,308.47 El.1765.951 ft.
- 9-K-51 TT 1936; Beckham Co., 3.0 mi.S. & 1.25 mi.E. of Carter, via OK.Hwy.#34 & Co road; near SE cor.SW SW sec.12, T&N R22W; 34 ft.N. of C/L of said Co.road and in range of W. side red trimmed white farmhouse. OSCC Marker. W.apex unpainted farmhouse about 3 mi.in azimuth 286°40'09". E.apex of roof of white farmhouse about 2½ mi.in azimuth 111°24'04". Peak Carter watertower about 3 mi.in azimuth 153°45'24".
 X-1,558,132.68 Y-673,491.28 El.1779.738 ft.
- 9-K-52 TT 1936; Beckham Co., 3.0 mi.S. of Carter, via OK.Hwy.#34; about 275 ft.E. of C/L; near NE NW NE sec.15, T&N R22W; on top of W.bank of limestone covered knoll in pasture; 110 ft.S. of range of E-W sec.line fence on hills to E. & 0.4 mi.N. of N. end of Hwy. bridge on N.fork. of Red River. OSCC Marker. NW cor.brick bldg. of Ocina

School about 5 mi. in azimuth $6^{\circ}43'58''$. Carter watertower about 3 mi. in azimuth $183^{\circ}11'13''$. Apex white farmhouse about 2 mi. in azimuth $234^{\circ}08'58''$.

X-1,549,195.73 Y-673,582.20 El.1779.513 ft.

9-K-52A TT 1936; Beckham Co., 0.73 mi. S. of S. end of OK. Hwy. #34 bridge over N. fork Red River; near SE cor. NW NE sec. 22, T8N R22W; in E. shoulder & about 300 ft. S. of S. curve sign on W. side of Hwy. #34; 12 ft. S. of "End Pavement" sign & 19 ft. E. of C/L of pavement.; $\frac{1}{2}$ " bolt set in concrete 8" below road shoulder surface. W. apex 2 story white farmhouse about $\frac{1}{2}$ mi. in azimuth $261^{\circ}26'28''$. NW cor. SLSF RR sec. house about $\frac{1}{2}$ mi. in azimuth $10^{\circ}56'38''$.

X-1,550,126.16 Y-666,427.80 El.1686.389 ft.

9-K-53 TT 1936; Beckham Co., 5.0 mi. S. of Carter, via OK. Hwy. #34; 5.74 ft. N. & 123 ft. E. of SW cor. sec. 23, T8N R22W; 125 ft. E. of C/L on top of sand knoll at N. edge of small oak mott near S. edge of field; about 1.5 mi. S. of OK. Hwy. #34 bridge of N. Fork Red River. OSCC Marker. W. apex 2 story white farmhouse about $1\frac{1}{2}$ mi. in azimuth $238^{\circ}16'15''$. Peak SLSF RR tank at Moravia, about $\frac{1}{2}$ mi. in azimuth $93^{\circ}27'35''$. Peak Carter watertower about 5 mi. in azimuth $176^{\circ}52'55''$.

X-1,551,516.38 Y-663,623.97 El.1704.524 ft.

9-K-54 TT 1936; Beckham Co., 6.3 mi. S. of Carter, via OK. Hwy. #34; 1 mi. E. & 0.75 mi. N. of Moravia; near NE SE NE sec. 34, T8N R22W; 47 ft. W. of C/L Hwy. on top of sand cut bank; 16 ft. N. & 8 ft. E. of N. gate post private trail to W; 2 ft. E. of power pole line OSCC Marker. W. apex 2 story white farmhouse about 2 mi. in azimuth $210^{\circ}32'06''$. W. apex white farmhouse about $\frac{1}{2}$ mi. in azimuth $274^{\circ}54'44''$.

X-1,551,243.47 Y-656,229.74 El.1761.602 ft.

9-K-55 TT 1936; Beckham Co., 7.0 mi. S. of Carter; 1 mi. E. of Moravia; & E-W sec. 1 line road intersection with OK. Hwy. #34; set in E. shoulder of hwy. & in intersection; 48.5 ft. NW of blazed β " locust tree at W. edge of fence row; 42.2 ft. S. of "NO Tractor" sign; 18 ft. E. of C/L of hwy. 10" below pavement surface. OSCC Marker. N. apex unpainted farmhouse about 1 mi. in azimuth $83^{\circ}13'13''$. C/L chimney unpainted farmhouse about 4 mi. in azimuth $150^{\circ}54'28''$.

X-1,551,227.44 Y-652,389.18 El.1781.632 ft.

9-K-56 TT 1936; Beckham Co., 0.8 mi. W. of Moravia; 859.5 ft. E. & 30 ft. N. of SW cor. sec. 33, T8N R22W; 1.35 mi. E. of US. Hwy. #283 at cor. 4.5 mi. N. of Willow; 30.0 ft. N. of C/L E-W sandy road on top of 8 ft. sand cut bank. OSCC Marker. Peak Willow water tower about $4\frac{1}{2}$ mi. in azimuth $347^{\circ}59'16''$. C/L chimney white farmhouse about 4 mi. in azimuth $83^{\circ}15'16''$. Peak Carter watertower about 7 mi. in azimuth $192^{\circ}33'34''$.

X-1,541,803.39 Y-652,571.13 El.1818.099 ft.

9-K-56A TT 1936; Beckham Co., 1.4 mi. W. of Moravia; 0.75 mi. E. of US. Hwy. #283 at cor. 4.5 mi. N. of Willow; 567 ft. W. of $\frac{1}{2}$ cor. common to sec. 5 & 32, T7N R22W; 15.2 ft. S. of N. R/W fence line and about 108 ft. W. of most westerly & 18" cottonwood tree in E-W row S. of road; about 0.1 mi. E. of group of farm buildings N. of road; crankshaft set in concrete. W. apex unpainted farmhouse about 2 mi. in azimuth $331^{\circ}10'11''$. N. apex white farmhouse about $\frac{3}{4}$ mi. in azimuth $40^{\circ}59'37''$. E. apex yellow farm 2 story house about 2 mi. in azimuth $104^{\circ}56'04''$.

X-1,538,741.67 Y-652,583.47 El.1789.830 ft.

9-K-57 TT 1936; also 10-K-77 TT 1936; Greer Co., 3.25 mi. N. & 2.5 mi. W. of Willow via US. Hwy. #283; near SW cor. NW NW sec. 8, T7N R22W. OSCC Marker.

X-1,535,336.11 Y-645,702.24 El.1709.620 ft.

9-K-58 TT 1936 also 10-K-76 TT 1936; Beckham Co., 15.45 mi. SE of Sayre, via US. Hwy. #283; 4.5 mi. W. of Willow; 62 ft. W. of C/L said road on S. brow of arroyo; NE cor. SE SE sec. 31, T8N R22W; in edge of pasture. OSCC Marker. Flag Haystack triangulation sta. about 4 mi. in azimuth $37^{\circ}52'18''$. S. apex 2 story white farmhouse about 1 mi. in azimuth $178^{\circ}04'58''$. W. apex white farmhouse about 1 mi. in azimuth $330^{\circ}36'53''$.

X-1,535,319.41 Y-653,584.90 El.1728.708 ft.

9-K-59 TT 1936 also 10-K-75 TT 1936; Beckham Co., 14.0 mi. SE of Sayre, via US. Hwy. #283; 50 ft. S. of C/L; near NE cor. NW sec. 31, T8N R23W; in NE cor. of field; OSCC Marker. NE cor. W. chimney white farmhouse about 0.5 mi. in azimuth $56^{\circ}44'00''$. C/L chimney white farmhouse on horizon about 4 mi. in azimuth $197^{\circ}00'29''$. W. apex white farmhouse about 0.5 mi. in azimuth $271^{\circ}15'29''$.

X-1,532,778.96 Y-657,939.35 El.1754.971 ft.

9-K-60 TT 1936 also 10-K-74 TT 1936; Beckham Co., 13.27 mi. SE of Sayre; near SE cor. SW SE sec. 36, T8N R23W; in acute angle between US. Hwy. #283 & E-W sec. line road; 30.0 ft. N. of C/L sec. line road; 45.0 ft. SW of C/L US. Hwy. #283. OSCC Marker. E. apex 2 story farmhouse about 2 mi. in azimuth $87^{\circ}03'14''$. C/L chimney yellow farmhouse about 5 mi. in azimuth $186^{\circ}46'44''$. W. apex white farmhouse on top horizon about 4 mi. in azimuth $210^{\circ}12'19''$.

X-1,528,685.67 Y-658,062.72 El.1763.522 ft.

9-K-61 TT 1936 also 10-K-73 TT 1936; Beckham Co., 11.73 mi. SE of Sayre, via US. Hwy. #283; 57 ft. SW of C/L; near SW cor. SE sec. 23, T8N R23W; 31 ft. N. C/L E-W sec. line road; in cultivated field. OSCC Marker. Flag on Haystack Tri. Sta. about 5.5 mi. in azimuth $00^{\circ}46'43''$. C/L E. apex unpainted farmhouse about 2 mi. in azimuth $100^{\circ}55'28''$. Peak Carter watertower about 7 mi. in azimuth $226^{\circ}20'42''$.

X-1,522,437.99 Y-663,397.84 El.1782.615 ft.

9-K-62 TT 1936 also 10-K-72 TT 1936; Beckham Co., 9.77 mi. SE of Sayre, via US. Hwy. #283; 50 ft. SW of C/L; near NE SE SE sec. 16, T8N R23W. OSCC Marker. C/L Carter

watertower about 8 mi. in azimuth $240^{\circ}55'35''$. Flag on Haystack Tri. Sta. about 7 mi. in azimuth $347^{\circ}02'00''$. Sec. cor. common to secs. 15, 16, 21, 22, T8N R23W. in azimuth $350^{\circ}01'10''$.

X-1, 514, 403.65 Y-669, 944.48 El. 1900.558 ft.

9-K-63 TT 1936 also 10-K-71 TT 1936; Beckham Co., 8.67 mi. S. of Sayre, via US Hwy. #283; 50 ft. SW of C/L; near center S. line $W\frac{1}{2}$ of NW NW sec. 16, T8N R23W; near center of curve to SE.) OSCC Marker. C/L chimney white farmhouse about 2 mi. in azimuth $62^{\circ}33'43''$, S. apex yellow farmhouse about 0.6 mi. in azimuth $171^{\circ}46'08''$. C/L chimney farmhouse about 1 mi. in azimuth $299^{\circ}22'23''$.

X-1, 510, 033.04 Y-673, 643.54 El. 1905.670 ft.

9-K-64 TT 1936; Beckham Co., 8.5 mi. S. & 1.1 mi. W. of Sayre, via US Hwy. #283; 1.1 mi. E. of Delhi; near NE cor. sec. 18, T8N R23W; R/W fence cor. in small field. OSCC Marker. N. apex white farmhouse about $1\frac{1}{2}$ mi. in azimuth $01^{\circ}56'10''$. E. apex main roof white farmhouse about 2 mi. in azimuth $44^{\circ}35'52''$. Apex S. dormer white farmhouse about $\frac{1}{2}$ mi. in azimuth $185^{\circ}37'17''$.

X-1, 504, 157.61 Y-674, 004.14 El. 1911.406 ft.

9-K-65 TT 1936; Beckham Co., 8.5 mi. S. & 1.65 mi. W. of Sayre, via US Hwy. #283 & Co. road; 0.45 mi. E. of Delhi; near SE cor. SW sec. 7, T8N R23W; 335 ft. N. of C/L county road; in W. edge small field; 112.5 ft. W. & 15.5 ft. S. of SW cor. small house N. of road OSCC Marker. Tip of spire on main brick bldg. of Delhi School about $\frac{1}{2}$ mi. in azimuth $93^{\circ}51'14''$. E. apex main roof white farmhouse about $\frac{1}{2}$ mi. in azimuth $43^{\circ}38'24''$.

X-1, 501, 236.02 Y-674, 334.94 El. 1918.098 ft.

9-K-66 TT 1936; Beckham Co., in Delhi; near NE cor. NW NE NE sec. 13, T8N R23W; 40.5 ft. S. of C/L road; in NE cor. field directly S. of small and most westerly filling station; 29.0 ft. W. & 13.0 ft. N. of NW cor. of last house on S. side of road; 250 ft. W. of present Delhi Post Office. OSCC Marker. C/L chimney white farmhouse about 3 mi. in azimuth $70^{\circ}23'37''$. Tip of spire on main bldg. Delhi School about 300 ft. in azimuth $254^{\circ}17'10''$. Apex N. dormer window white farmhouse about $1\frac{1}{2}$ mi. in azimuth $355^{\circ}13'09''$.

X-1, 498, 028.60 Y-674, 308.10 El. 1926.444 ft.

9-K-67 TT 1936; Beckham Co., 1.4 mi. W. of Delhi; near SE cor. SW sec. 11, T8N R24W; 38.0 ft. N. of C/L of Co. road; in edge of field; 1.0 ft. W. of N-S $\frac{1}{2}$ sec. fence; OSCC Marker. N. apex white farmhouse about $\frac{3}{4}$ mi. in azimuth $45^{\circ}30'34''$. Peak Erick water tower about 12 mi. in azimuth $105^{\circ}23'37''$. W. apex main roof white farmhouse about $1\frac{1}{2}$ mi. in azimuth $289^{\circ}39'24''$.

X-1, 490, 946.49 Y-674, 550.88 El. 1938.332 ft.

9-K-68 TT 1936; Beckham Co., 2.5 mi. W. of Delhi; near NE cor. NW, NW, NE sec. 15, T8N, R24W; 33.5 ft. S. of C/L Co., road; 500 ft. NE of T-shaped farmhouse near high point of knoll; 2 ft. W. of field fence S. of road. OSCC Marker. Peak Erick watertower about 11 mi. in azimuth $106^{\circ}52'54''$. Peak Sayre watertower about 10 mi. in azimuth $208^{\circ}18'29''$. Apex N. dormer window yellow farmhouse about 2 mi. in azimuth $295^{\circ}17'34''$.

X-1, 486, 276.38 Y-674, 595.37 El. 1966.741 ft.

9-K-69 TT 1936; Beckham Co., 4.25 mi. W. of Delhi; 2.8 mi. S. & 6.4 mi. E. of Erick; near SE cor. SW SE sec. 8, T8N R24W; 38.0 ft. N. of C/L Co. road; in E. edge private drive to unpainted sq. farmhouse N. of road; 2.0 ft. W. of E. drive fence & 12.0 ft. N. of fence cor. OSCC Marker. W. apex white farmhouse about 1 mi. in azimuth $206^{\circ}39'36''$. W. apex porch white farmhouse about 2 mi. in azimuth $263^{\circ}36'51''$. N. apex white farmhouse about $\frac{3}{4}$ mi. in azimuth $337^{\circ}21'16''$.

X-1, 476, 327.23 Y-674, 690.99 El. 2002.847 ft.

9-K-69A TT 1936; Beckham Co., 4.8 mi. W. of Delhi; 2.8 mi. S. & 5.8 mi. E. of Erick; near NW cor. NE NW NW sec. 17, T8N R24W; in S. edge present county road; 123 ft. S. & in range with E. side of larger of two white houses N. of road; 72.1 ft. E. & 33.0 ft. S. of SE yard fence cor. SW of house; 11.2 ft. N. of present S. R/W fence; Station is X mark in bolt end inverted in metal pipe filled with and set in concrete cast in place. Peak Erick watertower about 5 mi. in azimuth $113^{\circ}09'00''$. S. apex yellow farmhouse about 1 mi. in azimuth $205^{\circ}58'37''$. N. apex white farmhouse about 0.8 mi. in azimuth $320^{\circ}03'22''$.

X-1, 473, 266.53 Y-674, 688.38 El.

9-K-70 TT 1936; Beckham Co., 5.85 mi. W. of Delhi; 2.8 mi. S. & 4.8 mi. E. of Erick; near SW cor. SE SW SW sec. 7, T8N R24W; on top of small limestone knoll; N. of sec. line road; 300 ft. NW large white $1\frac{1}{2}$ story farmhouse & red barn S. of road. OSCC Marker. E. apex white farmhouse about $1\frac{1}{2}$ mi. in azimuth $58^{\circ}24'07''$. Peak Erick watertower about 4 mi. in azimuth $116^{\circ}47'55''$. Peak Sayre watertower about 11 mi. in azimuth $224^{\circ}05'50''$.

X-1, 468, 152.80 Y-674, 867.12 El. 2030.437 ft.

9-K-70A TT 1936; Beckham Co., 4.55 mi. S. & 3.75 mi. E. of Erick; near SE cor. NE NE SE sec. 23, T8N R25W; W. of N-S sec. line road; 300 ft. NW of white farmhouse with N. bay window; 87.0 ft. N. & 46.0 ft. W. of NW farm lot fence cor. OSCC Marker.

X-1, 461, 900.86 Y-666, 107.85 El.

9-K-70B TT 1936; Beckham Co., 3.5 mi. S. & 2.75 mi. E. of Erick; near SW cor. NW $\frac{1}{2}$ sec. 14, T8N R25W; 34.0 ft. E. C/L sec. line road (N-S); 97.2 ft. W. & 57.0 ft. S. of large unpainted 2 story farmhouse E. of said road. Station is "X" marker in end of machine shaft set about 4" underground in cast-in-place concrete

X-1, 456, 772.07 Y-671, 408.86 El.

9-K-71 TT 1936; Beckham Co., 2.8 mi. S. & 2.6 mi. E. of Erick; near SW cor. SE SE SE sec. 10, T8N R25W; 26.0 ft. N. of C/L sec. line road in field; approx. 100 ft. W. small locust hedge; 300 ft. SE unpainted farmhouse N. of road. OSCC Marker. Peak Erick water tower about 4 mi. in azimuth $132^{\circ}23'30''$. Peak Sayre watertower about 12 mi. in azimuth $231^{\circ}10'17''$. W. apex white farmhouse about 2 mi. in azimuth $296^{\circ}07'35''$.
X-1, 456, 238.72 Y-675, 169.89 El. 2055.488 ft.

Self (Beckham Co., E. O. Heaton, 1921-1927). 2.75 mi. E. & $5\frac{1}{2}$ mi. S. of Erick; in SW $\frac{1}{4}$ sec. 26, T8N R25W; on land belonging to J. R. Self; about 200 M (656 ft.) S. of E. from his house (on same $\frac{1}{4}$ sec.), about 300 M (984 ft.) E. of SW cor. sec. 26, & 200 M (656 ft) N. of road on S. side of sec. Surface & underground marks are standard disk station marks in concrete notes 1 a & 7a. Reference mark is standard reference disk in concrete, Note 11a, 172.99 M. (567.6 ft.) from station in azimuth $08^{\circ}39'43''$. In 1927 sta. was recovered in good condition, land belonging to heirs of J. R. Self & rented and occupied by Jack Teel.

X-1, 457, 587.49 Y-659, 805.64 El.

9-K-72 TT 1936; Beckham Co., 2.8 mi. S. & 1.2 mi. E. of Erick; near NW cor. NE NE NW sec. 16, T8N R25W; 27.0 ft. S. of C/L sec. E-W line road, in N. edge of field; 433.0 ft. E. of fence line at private tree lined drive to farmhouse about 0.4 mi. S. of E-W road OSCC Marker. N. apex unpainted farmhouse about $\frac{1}{4}$ mi. in azimuth $13^{\circ}50'49''$. Peak Erick watertower about 3 mi. in azimuth $153^{\circ}38'14''$. S. apex unpainted farmhouse about 1 mi. in azimuth $239^{\circ}35'54''$.

X-1, 448, 529.12 Y-675, 224.05 El. 2088.163 ft.

9-K-73 TT 1936; Beckham Co., 2.8 mi. S. & 0.25 mi. W. of Erick; 97.5 ft. N. & 37.5 ft. E. of approx. SW cor. sec. 8, T8N R25W. OSCC Marker. N. apex white farmhouse about $1\frac{1}{2}$ mi. in azimuth $57^{\circ}28'04''$. Peak Erick watertower about 3 mi. in azimuth $185^{\circ}30'29''$. W. apex unpainted farmhouse about 1 mi. in azimuth $286^{\circ}59'29''$.

X-1, 441, 008.24 Y-675, 465.84 El. 2080.451 ft.

9-K-74 TT 1936; Beckham Co., 2.8 mi. S. & 1.5 mi. W. of Erick; near NW NE NE sec. 13, T8N R26W; 16.0 ft. S. C/L E-W sec. line road; 1.0 ft. N. of S. R/W fence; 60 ft. S. of & in range of W. end small barn on farm of G. W. Gray; 29.5 ft. W. of NW cor. concrete foundation of small barn just S. of road; 23.5 ft. E. of range of two bois-de-Arc trees in cor. of field. OSCC Marker. Apex N. dormer window white farmhouse about 1 mi. in azimuth $31^{\circ}46'24''$. Peak Texola watertower about 6 mi. in azimuth $120^{\circ}22'19''$. S. apex unpainted farmhouse about $\frac{1}{4}$ mi. in azimuth $221^{\circ}00'00''$.

X-1, 434, 589.83 Y-675, 510.79 El. 2111.838 ft.

9-K-75 TT 1936; Beckham Co., 2.8 mi. S. & 2.8 mi. W. of Erick; near NE NW sec. 14, T8N R26W; 31.0 ft. S. of C/L E-W sec. line road; in NW cor. small garden tract; 34.4 ft. N. & 28.4 ft. W. of NW cor. small farmhouse occupied by J. E. Ellis. OSCC Marker. C/L chimney white farmhouse about 2 mi. in azimuth $62^{\circ}06'22''$. Peak Texola watertower about 6 mi. in azimuth $127^{\circ}45'35''$. Peak Erick watertower about 3 mi. in azimuth $229^{\circ}48'12''$.

X-1, 427, 561.51 Y-675, 586.50 El. 2130.395 ft.

9-K-76 TT 1936; Beckham Co., 2.8 mi. S. & 4.2 mi. W. of Erick; 396.5 ft. E. & 25.5 ft. N. of SW cor. sec. 10, T8N R26W; 25.5 ft. N. C/L E-W sec. line road, in S. edge of field. OSCC Marker. Peak Texola watertower about 3 mi. in azimuth $139^{\circ}09'04''$. Peak Erick watertower about 5 mi. in azimuth $240^{\circ}47'36''$. N. apex yellow farmhouse about 1 mi. in azimuth $321^{\circ}48'36''$.

X-1, 420, 346.88 Y-675, 744.07 El. 2129.008 ft.

9-K-77 TT 1936; Beckham Co., 2.8 mi. S. & 4.75 mi. W. of Erick; near NW cor. NE sec. 17, T8N R26W; 3.3 ft. E. & 31.7 ft. S. of approx. $\frac{1}{4}$ cor. to secs. 8, 17; 31.7 ft. S. C/L E-W sec. line road; 3.3 ft. E. & 11.5 ft. S. of S. R/W fence cor. in NW cor. of field. OSCC Marker. Peak Texola watertower about 4 mi. in azimuth $145^{\circ}48'04''$. Peak Erick water tower about 7 mi. in azimuth $243^{\circ}49'44''$. Unpainted farmhouse about $\frac{3}{4}$ mi. in azimuth $318^{\circ}56'07''$.

X-1, 417, 311.51 Y-675, 730.88 El. 2140.462 ft.

9-K-78 TT 1936; Beckham Co., 3.7 mi. S. & 5.6 mi. W. of Erick; near center SE SW SE sec. 17, T8N R26W; 0.25 mi. S. of main traveled road via private road; near NE cor. a small yard around white farm bungalow. on top of prominent limestone knoll; 46.0 ft. N. & 65.0 ft. E. of NE cor. said house; to reach from 9-K-77; 0.5 mi. S., 0.5 mi. W., 0.25 mi. S., 0.3 mi. W. & 0.15 mi. to gate in S. R/W fence, S. on private road to small house. OSCC Marker. Peak Shamrock, Texas watertower about 15 mi. in azimuth $103^{\circ}38'35''$. Peak Texola watertower about 3 mi. in azimuth $164^{\circ}00'30''$. Peak Erick watertower about 8 mi. in azimuth $240^{\circ}09'35''$.

X-1, 412, 262.35 Y-670, 791.11 El. 2191.425 ft.

Breaks (Beckham Co., W. Mussetter, 1927). - About 3 mi. S. & $\frac{1}{4}$ mi. W. of Texola, about 3000 ft. E. of Old State Line; 575 ft. W. of W. fence on old sec. line road; in pasture land on narrow ridge which runs westward from fence about $\frac{1}{2}$ mi. & then breaks off into creek bottoms. Stations is not on highest point of ridge. To reach from Texola City watertower follow US. Hwy. #66 E., S. & E. 1.6 mi. to road turning S. over plank culvert; follow this road S. 1.2 mi. to house of T. A. Nay, thence into road into field N. of house, & W. $\frac{1}{4}$ mi. Go S. along W. side of fence about 0.3 mi. to forks; take right hand fork 0.3 mi. to house; about 100 ft. W. of house turn S. through gate and follow fence in SW direction about $\frac{1}{2}$ mi. to ridge, then 0.6 mi. SW to station. Station marks are standard disk marks set in concrete. Reference marks are standard reference

disks in concrete. No.1 is 176.93 M (580.5 ft.) from station in azimuth $260^{\circ}44'43''$. No.2 342.66 M (1,124.2 ft.) from station in azimuth $95^{\circ}42'43''$. Azimuth of Texola water tank, $187^{\circ}58'51''$.

X-1,403,541.00

Y-673,739.86

E1.

Traverse 10-K; Beckham & Greer Counties
10-H-16 TT 1936 to 25-H-13 TT 1936.
South Projection.

10-K-59 TT 1936; (USC&GS- R 105-1934); Beckham Co., 1.1 mi.N. of GRI&P RR Depot at Sayre; 235 ft.NE of junction of Hwy.US.#66 & #283; 95 ft.E. of C/L of Hwy.#283; at Sayre N.city limits; Standard disk set in concrete post stamped "R 105 1934" & 10-K-59 TT 1936." E.apex white farmhouse about 3 mi.in azimuth $62^{\circ}35'19''$. E.apex white farmhouse about $1\frac{1}{2}$ mi.in azimuth $126^{\circ}15'39''$. C/L of ball on top of Sayre watertower about $\frac{1}{2}$ mi.in azimuth $344^{\circ}12'49''$.

X-1,510,848.46

Lat. $35^{\circ}18'29''$.

El.1902.522 ft.

Y- 722,620.78

Long.99 38 22

10-K-60 TT 1936; Beckham Co., 1.25 mi.N. & 0.5 mi.W. of Sayre; 27 ft.W. of C/L of N-S sec.line road; near NE cor.SE SE sec.29, T10N R23W; 195 ft.S. of fence cor.in W. R/W fence. OSCC Marker. C/L chimney of unpainted farmhouse on horizon about 4 mi. in azimuth $60^{\circ}42'05''$. C/L ball on Sayre watertower about 1 mi.in azimuth $315^{\circ}35'45''$ C/L S.apex white farmhouse about $1\frac{1}{2}$ mi.in azimuth $132^{\circ}07'45''$.

X-1,508,743.84

Lat. $35^{\circ}18'30''$

El.1870.237 ft.

Y- 722,737.25

Long.99 38 47

10-K-61 TT 1936; Beckham Co., 0.75 mi.N. & 0.5 mi.W. of Sayre; 36 ft.E. of C/L N-S sec.line road on top of 6.0 ft.cutbank in W.edge of pasture; 3.0 ft.S. & 3.0 ft.E. of fence cor.in E.R/W fence; near SW cor.NW NW sec.33, T10N R23W. OSCC Marker. N.apex white farmhouse about 0.5 mi.in azimuth $18^{\circ}15'37''$. S.apex 2 story white farmhouse about 0.5 mi.in azimuth $129^{\circ}54'57''$. Apex ball on Sayre watertower about 0.5 mi.in azimuth $284^{\circ}11'37''$.

X-1,508,752.21

Lat. $35^{\circ}18'08''$.

El.1849.076 ft.

Y- 720,499.99

Long.99 38 47

10-K-62 TT 1936; Beckham Co., At Sayre; on CRI&P RR R/W at N-S sec.line road crossing; 259 ft.NE of RR freight depot; 36.8 ft.N. of N.rail of main track; 15 ft. E. of C/L of N-S road; 3.8 ft.S. & 3.5 ft.W. of RR crossing sign; OSCC Marker. Peak of roof white farmhouse about 0.5 mi.in azimuth $171^{\circ}32'55''$. Apex ball on Sayre watertower about 0.5 mi.in azimuth $222^{\circ}46'55''$. Tip of spire Beckham Courthouse about 0.5 mi.in azimuth $271^{\circ}23'10''$.

X-1,508,679.58

Lat. $35^{\circ}17'29''$

El.1810.819 ft.

Y- 716,548.26

Long.99 38 47

10-K-63 TT 1936; Beckham Co., 2.3 mi.S. of Sayre via US.Hwy.#283; 0.35 mi.S. of junction of US.Hwy.#283 & #66; 30 ft.W. of C/L of #283 and near NE cor.SE SE sec.8, T9N R23W. OSCC Marker. N.apex red brick farmhouse about 1.5 mi.in azimuth $24^{\circ}48'25''$. C/L spire Beckham Co.Courthouse about 2 mi.in azimuth $198^{\circ}53'50''$.

X-1,508,435.23

Y-707,040.48

El.1849.620 ft.

10-K-64 TT 1936; Beckham Co., 3.3 mi.S. of Sayre via US.Hwy.#283; 46.0 ft.E. of C/L & in range of N.side of old farmhouse W. of road; on top of 5 ft.sandy cutbank; 523 ft.N. & 46.0 ft.E. of SW cor.sec.16, T9N R23W; also 19 ft.S. & 4.0 ft.W. of telephone pole #5790 which is E. of road. OSCC Marker. C/L chimney white farmhouse about 3 mi.in azimuth $68^{\circ}49'16''$. C/L peak Sayre watertower about $3\frac{1}{2}$ mi.in azimuth $189^{\circ}49'56''$. C/L S.apex large 2 story white house about $3\frac{1}{2}$ mi.in azimuth $199^{\circ}51'11''$.

X-1,508,396.58

Y-701,582.54

El.1889.606 ft.

10-K-65 TT 1936; Beckham Co., 4.33 mi.S. of Sayre; 47.0 ft.W. of C/L US.Hwy.#283; 694 ft.N. & 47.0 ft.W. of SE cor.sec.20, T9N R23W; 68.0 ft.N. & 67 ft.E. of NE cor.small white farmhouse W. of road; 2.5 ft.E. of NE fence yard cor. OSCC Marker. N.apex white farmhouse about 150 ft.in azimuth $54^{\circ}30'12''$. C/L chimney unpainted farmhouse about 2 mi.in azimuth $105^{\circ}36'22''$. Apex Sayre watertower about 4.5 mi.in azimuth $188^{\circ}22'52''$.

X-1,508 172.08

Y-696,110.35

El.1894.008 ft.

10-K-66 TT 1936; Beckham Co., 5.3 mi.S. of Sayre; 46.0 ft.E. C/L US.Hwy.#283; on top 10ft.sandy cutbank; 773 ft.N. & 46 ft.E. of SW cor.to sec.28, T19N R23W; 741 ft.S. of 3 x 2 x 40 ft.concrete culvert C/L under said road. OSCC Marker. SE cor.Delhi School about 3 mi.in azimuth $49^{\circ}40'00''$. C/L S.apex unpainted farmhouse about 3 mi. in azimuth $173^{\circ}53'40''$. C/L apex Sayre watertower about 5 mi.in azimuth $186^{\circ}47'15''$.

X-1,508,212.01

Y-691,043.21

El.1920.259 ft.

10-K-67 TT 1936; Beckham Co., 6.54 mi.S. of Sayre; 104 ft.SE C/L US.Hwy.#283; & near C/L sec.5, T9N R23W; 500 ft.S. C/L 2nd Std.Parallel trail; near NE cor. & in shinnery pasture. OSCC Marker. N.apex 2 story white farmhouse about 3 mi.in azimuth $31^{\circ}37'26''$. Peak Sayre watertower about 6 mi.in azimuth $185^{\circ}43'31''$. C/L chimney white 2 story farmhouse about 6 mi.in azimuth $292^{\circ}28'26''$.

X-1,508,121.06

Y-684,474.23

El.1924.173 ft.

10-K-68 TT 1936; Beckham Co., 6.83 mi.S. of Sayre; 51.0 ft.SW C/L US.Hwy.#283; near NW cor.SW SE NE sec.5, T9N R23W; on top 10 ft.sandy cutbank; 341 ft.N. of PC of road curve to S.; 65.0 ft.SW N.bound hwy.curve sign & 133 ft.SW S.bound curve sign. OSCC Marker. C/L N.apex white farmhouse about 4 mi.in azimuth $16^{\circ}09'31''$. C/L peak

- Sayre watertower about 7 mi. in azimuth $184^{\circ}22'51''$. C/L peak Carter watertower about $7\frac{1}{2}$ mi. in azimuth $260^{\circ}56'56''$.
- X-1,508,858.80 Y-683,218.45 El.1924.859 ft.
10-K-69 TT 1936; Beckham Co., 7.51 mi. S. of Sayre; 48 ft. E. C/L US. Hwy. #283; near SW cor. sec. 4, T8N R23W; on top 5.0 ft. sandy cutbank. OSCC Marker. C/L chimney yellow farmhouse about 3 mi. in azimuth $37^{\circ}53'10''$. C/L W. apex unpainted farmhouse about 2 mi. in azimuth $237^{\circ}08'45''$. C/L chimney unpainted house about 2 mi. in azimuth $319^{\circ}49'40''$
- X-1,509,518.52 Y-679,660.10 El.1905.111 ft.
10-K-70 TT 1936; Beckham Co., 8.41 mi. SE of Sayre; 45 ft. W. C/L US. Hwy. #283, in acute angle between Hwy. & N-S sec. line trail; near SW cor. NW SW SW sec. 5, T8N R23W. OSCC Marker. C/L S. apex 2 story yellow farmhouse about 0.3 mi. in azimuth $184^{\circ}28'35''$ C/L S. apex large 2 story white farmhouse about 6 mi. in azimuth $232^{\circ}32'50''$. C/L chimney on sq. unpainted farmhouse about 0.3 mi. in azimuth $290^{\circ}32'35''$.
- X-1,509,415.38 Y-674,953.38 El.1898.900 ft.
10-K-71 TT 1936, also 9-K-63 TT 1936; Beckham Co., 8.67 mi. S. of Sayre; 50 ft. SW C/L US. Hwy. #283; near center of curve to SE; and near center S. line of $W\frac{1}{2}$ NW NW sec. 16, T8N R23W. OSCC Marker. C/L chimney white farmhouse about 2 mi. in azimuth $62^{\circ}33'43''$. S. apex yellow farmhouse about 6 mi. in azimuth $171^{\circ}46'08''$. C/L chimney farmhouse about 1 mi. in azimuth $299^{\circ}22'23''$.
- X-1,510,033.04 Y-673,643.54 El.1905.670 ft.
10-K-72 TT 1936; also 9-K-62 TT 1936; Beckham Co., 9.77 mi. SE of Sayre; 50 ft. SW of C/L US. Hwy. #283; near NE cor. SE SE sec. 16, T8N R23W. OSCC Marker. C/L chimney white farmhouse about 2 mi. in azimuth $86^{\circ}23'15''$. C/L Carter watertower about 8.0 mi. in azimuth $240^{\circ}55'35''$. Sec. cor. common to sec's 15, 16, 21 & 22, T8N R23W in azimuth $350^{\circ}01'13''$.
- X-1,514,403.65 Y-669,944.48 El.1900.558 ft.
10-K-73 TT 1936, also 9-K-61 TT 1936; Beckham Co., 11.73 mi. SE. of Sayre; 57 ft. SW C/L US. Hwy. #283; in cultivated field near SW cor. SE sec. 23, T8N R23W; 31 ft. N. C/L of E-W sec. line road. OSCC Marker. C/L peak Carter watertower about 7 mi. in azimuth $226^{\circ}20'43''$. C/L E. apex unpainted farmhouse about 2 mi. in azimuth $100^{\circ}55'28''$.
- X-1,522,437.99 Y-663,897.84 El.1782.615 ft.
10-K-74 TT 1936, also 9-K-60 TT 1936; Beckham Co., 13.27 mi. SE of Sayre; 45 ft. SW C/L US. Hwy. #283; near SE cor. SW SE sec. 36, T8N R23W, in acute angle between Hwy. & E-W sec. line road. OSCC Marker. E. apex 2 story farmhouse about 2 mi. in azimuth $87^{\circ}03'14''$. C/L chimney yellow farmhouse about 5 mi. in azimuth $186^{\circ}46'44''$. W. apex white farmhouse top of horizon about 4 mi. in azimuth $210^{\circ}12'19''$.
- X-1,528,685.67 Y-657,062.72 El.176.522 ft.
10-K-75 TT 1936, also 9-K-59 TT 1936; Beckham Co., 14.0 mi. SE of Sayre; via US. Hwy #283; 50.0 ft. S. & 3.0 ft. W. of NE cor. NW $\frac{1}{4}$ sec. 31, T8N R23W, in NE cor. of field. OSCC Marker. NE cor. W. chimney white farmhouse about 0.5 mi. in azimuth $56^{\circ}49'00''$. C/L chimney white farmhouse on horizon about 4 mi. in azimuth $196^{\circ}00'30''$. W. apex white farmhouse about 0.5 mi. in azimuth $271'15'30''$.
- X-1,532,778.96 Y-657,939.35 El.1754.971 ft.
10-K-76 TT 1936, also 9-K-58 TT 1936; Beckham Co., 15.45 mi. SE of Sayre; also 4.5 mi N. & 2.5 mi. W. of Willow; via US. Hwy. #283; 62 ft. W. of C/L on S. brow of arroyo; in edge of pasture; near NE cor. of SE SE sec. 31, T8N R22W. OSCC Marker. S. apex 2 story white farmhouse about 1 mi. in azimuth $78^{\circ}04'58''$. W. apex white farmhouse about 1 mi. in azimuth $330^{\circ}53'00''$.
- X-1,535,319.41 Y-653,584.90 El.1728.708 ft.
10-K-77 TT 1936, also 9-K-57 TT 1936; Greer Co., 3.25 mi. N. & 2.5 mi. W. of Willow; via US. Hwy. #283; near SW cor. NW NW sec. 8, T7N R22W. OSCC Marker. C/L chimney about 2 mi. in azimuth $108^{\circ}10'32''$. W. apex white farmhouse about 0.5 mi. in azimuth $239^{\circ}34'47''$. C/L chimney unpainted farmhouse about 2.5 mi. in azimuth $341^{\circ}45'00''$.
- X-1,535,336.11 Y-645,702.24 El.1709.620 ft.
10-K-78 TT 1936; Greer Co., 2.5 mi. N. & 2.5 mi. W. of Willow, via US. Hwy. #283; near SE cor. sec. 7, T7N R22W; in cor. of pasture. OSCC Marker. W. apex roof unpainted farmhouse about 1 mi. in azimuth $234^{\circ}26'00''$. C/L chimney brown farmhouse about 2 mi. in azimuth $336^{\circ}20'50''$.
- X-1,535,171.48 Y-642,084.86 El.1694.903 ft.
10-K-79 TT 1936; Greer Co., 2.5 mi. N. & 1.0 mi. W. of Willow, via US. Hwy. #283; 45 ft. S. of C/L; near NW cor. NE sec. 16, T7N R22W; in NW cor. of field. OSCC Marker. S. apex unpainted farmhouse about 1 mi. in azimuth $204^{\circ}16'45''$. SW cor. chimney white house, green roof about 0.5 mi. in azimuth $345^{\circ}38'15''$.
- X-1,543,130.88 Y-641,871.59 El.1719.527 ft.
10-K-80 TT 1936; Greer Co., 2.0 mi. N. & 0.6 mi. W. of Willow, via US. Hwy. #283; 1219 ft. W. of C/L; near NW cor. NE NWSE sec. 16, T7N R22W; 3 ft. S. & 1 ft. E. of fence cor. OSCC Marker. S. apex unpainted farmhouse about 1.5 mi. in azimuth $180^{\circ}24'27''$. C/L peak Willow watertower about 2 mi. in azimuth $350^{\circ}02'02''$.
- X-1,545,033.59 Y-639,224.41 El.1777.663 ft.
10-K-81 TT 1936; Greer Co., 1.1 mi. N. & 0.5 mi. W. of Willow, via US. Hwy. #283; 200 ft N. & 41 ft. E. of C/L; SW cor. NW sec. 22, T7N R22W. OSCC Marker. At SW cor. of Willow Cemetery. S. apex unpainted farmhouse about 0.75 mi. in azimuth $224^{\circ}04'55''$. Willow watertower about 1 mi. in azimuth $347^{\circ}43'55''$.
- X-1,545,673.22 Y-634,244.23 El.1765.032 ft.

10-K-82 TT 1936; Greer Co., 0.5 mi. E. & 1 mi. N. of Willow, via OK Hwy. #34; 55 ft. E. of C/L; near SW cor. NW sec. 23, T7N R22W; 2.0 ft. W. of E-R/W fence. OSCC Marker. Peak Brinkman watertower about 4.5 mi. in azimuth 15°20'22". S. peak farmhouse about 0.75 mi. in azimuth 126°07'27". SW cor. W. chimney white farmhouse about 0.25 mi. in azimuth 194°15'57".

X-1,550,998.59 Y-633,908.20 El. 1762.503 ft.

10-K-83 TT 1936; Greer Co., 0.5 mi. E. of Willow; in intersection of US Hwy. #283 & OK Hwy. #34; 93.4 ft. NE of NE cor. of small filling station SW of intersection; 173.6 ft. S. of and in line with E. member of "H" frame high line, which is N. of road. OSCC Marker set 8" below the surface. Peak Willow watertower about 0.75 mi. in azimuth 90°03'12". C/L chimney 1½ story white house about 0.75 mi. in azimuth 236°46'42". E. apex yellow farmhouse about 1.5 mi. in azimuth 296°49'12".

X-1,550,816.08 Y-628,599.31 El. 1734.916 ft.

10-K-84 TT 1936; Greer Co., 0.5 mi. E. & 0.65 mi. S. of Willow, via US Hwy. #283; 65.0 ft. E. of C/L; near NW cor. SW NW sec. 35, T7N R22W. OSCC Marker. Brinkman Watertower about 3 mi. in azimuth 25°56'14". Willow watertower about 1 mi. in azimuth 133°01'44". W. apex unpainted farmhouse about 0.75 mi. in azimuth 266°06'10".

X-1,550,858.46 Y-624,910.68 El. 1735.103 ft.

10-K-85 TT 1936; Greer Co., 0.5 mi. E. & 1.5 mi. S. of Willow; 11.0 mi. N. of Greer Co. Courthouse at Mangum, via US Hwy. #283; in SE cor. sec. 34, T7N R22W. OSCC Marker. E. end N. concrete headwall of 4 x 2 culvert under side road to US Hwy. #283. Brinkman watertower 2.5 mi. in azimuth 37°20'37". Willow watertower about 1.25 mi. in azimuth 154°25'57". C/L chimney white farmhouse about 2 mi. in azimuth 304°36'52".

X-1,550,686.81 Y-620,692.15 El. 1724.437 ft.

10-K-86 TT 1936; Greer Co., 9.85 mi. N. of Co. Courthouse at Mangum, via US Hwy. #283 46.5 ft. E. of C/L; near NW cor. SW NW sec. 11, T6N R22W. OSCC Marker. Brinkman water tower about 0.75 mi. in azimuth 75°02'55". Willow watertower about 3 mi. in azimuth 164°58'55". Peak sq. roof brown house about 0.5 mi. in azimuth 254°27'25".

X-1,550,488.18 Y-615,243.17 El. 1741.887 ft.

10-K-87 TT 1936; Greer Co., 9.05 mi. N. of Co. Courthouse at Mangum, via US Hwy. #283 47 ft. W. of C/L; near NE cor. SE SE sec. 10, T6N R22W; 33 ft. S. & 1 ft. W. of power line pole N. of sec. cor. OSCC Marker. Peak Mangum watertower about 9 mi. in azimuth 01°24'00". Peak Brinkman watertower about 1 mi. in azimuth 121°24'50". Apex porch white farmhouse about 2 mi. in azimuth 259°38'35".

X-1,550,308.35 Y-610,987.85 El. 1722.498 ft.

10-K-88 TT 1936; Greer Co., 7.5 mi. N. of Co. Courthouse at Mangum, via US Hwy. #283; near SW cor. NW sec. 23, T6N R22W; E. side of road. OSCC Marker. W. apex cream colored house about 1.5 mi. in azimuth 251°06'11". Peak Mangum watertower about 7.5 mi. in a azimuth 01°37'31". Peak Brinkman watertower about 3 mi. in azimuth 157°09'11".

X-1,550,256.18 Y-602,662.12 El. 1652.617 ft.

10-K89 TT 1936; Greer Co., 6.0 mi. N. of Co. Courthouse at Mangum, via US Hwy. #283; near SE cor. sec. 27, T6N R22W. OSCC Marker set in concrete headwall of 3 'x' 2' culvert under Co. road at W. side of US Hwy. #283. C/L S. chimney 1½ story white farmhouse about 1 mi. in azimuth 269°58'07". C/L chimney 2 story white farmhouse about 2 mi. in azimuth 309°31'57". Brinkman watertower about 3.8 mi. in azimuth 166°55'17".

X-1,549,976.05 Y-594,726.42 El. 1617.293 ft.

10-K-90 TT 1936; Greer Co., 5.0 mi. N. of Courthouse at Mangum, via US Hwy. #283; in SE cor. sec. 34, T6N R22W. OSCC Marker set in S. end of W. headwall of 2' x 2' concrete culvert. Mangum watertower about 5 mi. in azimuth 01°41'11". E. apex white farmhouse about 4 mi. in azimuth 74°13'26". Brinkman watertower about 3.5 mi. in azimuth 169°49'51".

X-1,549,907.19 Y-589,431.91 El. 1614.506 ft.

10-K-91 TT 1936; Greer Co., 2.8 mi. N. of Mangum, via US Hwy. #283 & OK Hwy. #34; in SW cor. NW sec. 14, T5N R22W. 60 ft. E. of C/L US Hwy. #283 & 50.0 ft. NE of near rail MK&T RR. OSCC Marker. S. apex porch 2 story white farmhouse about 0.4 mi. in azimuth 202°02'54". N. apex white farmhouse about 0.75 mi. in azimuth 296°06'09". E. apex white 2 story farmhouse about 0.5 mi. in azimuth 114°10'49".

X-1,549,783.56 Y-577,657.04 El. 1588.778 ft.

25-H-13 TT 1936; See Traverse 25-H

Traverse 13-A. Canadian & Caddo Counties.
13-A-1 to Albert Tri., Sta.,
South Projection.

13-A-56 TT 1934; Caddo Co., At Binger; in NW SW sec. 26, T10N R11W; 30 ft. N. of C/L OK Hwy. #41; 192 ft. NW from NW cor. Binger Depot; 108 ft. W. of NW cor. foundation GRI&P RR water tank. USC&GS & State Marker. C/L spire on Congregational Church W. of high school in azimuth 68°52'58". W. gable small frame house about 3/4 mi. in azimuth 339°42'10".

X-1,899,715.48 Y-719,075.47 El. 1294.744 ft.

13-A-57 TT 1934; Caddo Co., at W. edge of Binger; near center of sec. 27, T10N R11W; on N. R/W line of OK Hwy. #41; 400 ft. NE of Binger water tank at top of steep

hill. USC&GS & State Marker. C/L E.gable $1\frac{1}{2}$ story frame house about $\frac{1}{4}$ mi. in azimuth $93^{\circ}22'44''$. W.gable frame house about 1 mi. in azimuth $226^{\circ}47'32''$. C/L spire Church W. of high school in azimuth $294^{\circ}38'02''$.

X-1,896,064.43 Y-719,041.13 El. 1422.878 ft.

13-A-58 TT 1934; Caddo Co., 0.5 mi. W. of Binger; in SW, SW, sec. 27, T10N, R11W; on N.R/W line OK Hwy. #41. USC&GS & State Marker. E.gable 1 story frame house about 2.5 mi. in azimuth $116^{\circ}06'05''$; S.gable 1 story stucco house about 1 mi. in azimuth $202^{\circ}49'43''$. Spire of church at Binger in azimuth $265^{\circ}48'37''$.

X-1,894,269.07 Y-718,051.33 El. 1493.773 ft.

13-A-59 TT 1934; Caddo Co., 0.75 mi. W. of Binger; near NE, NE, sec. 33, T10N, R11W; on S.R/W line OK Hwy. #41. USC&GS & State Marker. W.gable white house about 1 mi. in azimuth $192^{\circ}03'42''$. W.gable $1\frac{1}{2}$ story yellow house about 2 mi. in azimuth $240^{\circ}20'50''$.

X-1,893,330.75 Y-716,716.35 El. 1500.044 ft.

13-A-60 TT 1934; Caddo Co., 1.75 mi. W. of Binger; in SE, NE, sec. 32, T10N, R11W; on N.R/W line OK Hwy. #41; at top of long hill. USC&GS & State Marker. E.gable frame house about 2 mi. in azimuth $97^{\circ}30'22''$. W.gable house about 6 mi. in azimuth $244^{\circ}31'25''$.

X-1,887,170.46 Y-716,276.45 El. 1528.598 ft.

13-A-61 TT 1934; Caddo Co., 2.5 mi. W. of Binger; near SW cor. SW, sec. 32, T10N, R11W on S.R/W line OK Hwy. #41. USC&GS & State Marker. E.gable white house about 0.5 mi. in azimuth $13^{\circ}40'46''$. S.gable white house about 2.7 mi. in azimuth $167^{\circ}27'15''$.

X-1,883,323.50 Y-714,004.36 El. 1572.586 ft.

13-A-62 TT 1934; Caddo Co., 3.0 mi. W. of Binger; in NE sec. 6, T9N, R11W; on S.R/W line OK Hwy. #41; in front of Thompson residence. USC&GS & State Marker. NE cor. small house about 1 mi. in azimuth $47^{\circ}22'15''$.

X-1,880,496.98 Y-712,539.91 El. 1572.451 ft.

13-A-63 TT 1934; Caddo Co., 4.3 mi. W. of Binger; in NE, NE, sec. 1, T9N, R12W; 92 ft. S. of C/L OK Hwy. #41; 43 ft. W. of C/L sec. line road; 15 ft. SE of 3-way filling station. USC&GS & State Marker. W.gable frame house about $\frac{1}{2}$ mi. in azimuth $272^{\circ}55'00''$.

X-1,877,041.52 Y-712,519.74 El. 1543.557 ft.

13-A-64 TT 1934; Caddo Co., 4.3 mi. W. & 1 mi. S. of Binger; in NW sec. 7, T9N, R11W on E. edge sec. line 1.2 mi. S. OK Hwy. #41; 461 ft. S. of power line running E-W. USC&GS & State Marker. W.gable small 1 story frame house about $\frac{1}{4}$ mi. in azimuth $174^{\circ}07'54''$. N.gable $1\frac{1}{2}$ story frame house about 1.5 mi. in azimuth $302^{\circ}37'57''$; NE cor. square house with square top about $\frac{1}{4}$ mi. in azimuth $27^{\circ}57'50''$.

X-1,877,108.25 Y-706,881.29 El. 1552.133 ft.

Albert Tri. Sta., (Caddo Co., E.O. Heaton, 1921). - One and one-half mi. N. of Albert Post Office; $7\frac{1}{2}$ mi. SW of Binger; in NW sec. 18, T9N, R11W; on point of cleared ridge about 50 meters (164 ft.) N. of line of blackjack timber, on land owned by David Jackson who lives about $\frac{3}{4}$ mi. S. of station. Surface and underground marks are standard station disks in concrete notes 1a & 7a; Reference mark is standard reference disk in outcropping bedrock, note 12a; 51.67 meters (169.5 ft.) from station in azimuth $137^{\circ}29'31''$.

X-1,877,587.37 Y-700,658.18 El. 1598.442 ft.

Traverse 13-B - Caddo, Washita and Beckham Co's.
Albert to Grebe to Dill to Mayfield Tri., Station.
South Projection.

Albert (Caddo Co., E.O. Heaton, 1921). $1\frac{1}{2}$ mi. N. of Albert Post Office; $7\frac{1}{2}$ mi. SW of Binger, in NW $\frac{1}{4}$, sec. 18, T9N, R11W; on point of cleared ridge about 50 meters (164 ft.) N. of line of blackjack timber, on land owned by David Jackson, who lives about $\frac{3}{4}$ mi. S. of Station. Surface and underground marks are standard station disks in concrete, notes 1a and 7a. Reference mark is a standard reference disk in outcropping bedrock, note 12a. 51.67 meters (169.5 ft.) from station in azimuth $137^{\circ}29'31''$

X-1,877,587.37 Lat. $35^{\circ}15'28.585''$ El. 1598.442 ft.
Y- 700,658.18 Long. $98^{\circ}24'36.007''$

13-B-1 TT 1934; Caddo Co., $4\frac{1}{2}$ mi. W. and 1 mi. S. of Binger; in SW, SE, sec. 36, T10N, R12W; on N. R/W line OK Hwy. #41; 53 ft. N. of C/L; approx. 2020 ft. W. of Three-Way Filling Station. USC&GS & State Marker. C/L N. chimney 1 story frame house about 2 mi. in azimuth $11^{\circ}18'22''$; E. gable 2 story frame house about 1 mi. in azimuth $106^{\circ}22'52''$. W. gable $1\frac{1}{2}$ story frame house about $\frac{3}{4}$ mi. in azimuth $273^{\circ}27'47''$.

X- 1,875,015.22 Lat. $35^{\circ}17'27.3326''$ El. 1572.275 ft.
Y- 712,675.13 Long. $98^{\circ}25'07.6218''$

13-B-1 A; Caddo Co., 6 mi. W. of Binger; head of small bolt set in N. wing of E. abutment of small concrete bridge across Willow Creek on OK Hwy. #41.
El. 1439.089 ft.

13-B-2 TT 1934; Caddo Co., 6 mi. W. & 1 mi. S. of Binger; in NE, NE, sec. 3, T9N, R12W; on S. R/W line OK Hwy. #41; 30 ft. S. of C/L; 1225 ft. E. of double pole on power line from Chickasha to Weatherford; USC&GS State Marker. NW cor. house about

2 mi. in azimuth 300°28'01". N.gable 1 story frame house about $\frac{1}{2}$ mi. in azimuth 349°59'11".

X-1,866,340.79 Lat. 35°17'26.1585" El.1522.713 ft.

Y- 712,593.66 Long.98°26'52",2509

13-B-5 TT 1934; Caddo Co., $7\frac{1}{2}$ mi.W. & 1 mi.S. of Binger; in SE SE sec.33, T10N R12W; on N.R/W line OK.Hwy #41; 55 ft.N. of C/L; 377 ft.SW of SE cor.farm house; 1.4 mi.E. of Oak Dale Baptist Church. USC&GS State Marker. SE cor.square 1 story house about 300 ft. in azimuth 109°54'44".

X-1,858,283.11 Lat. 35°17'26.7558" El.1566.009 ft.

Y- 712,690.87 Long.98 28 29.4499

13-B-4 TT 1934; Caddo Co., 1 mi.S. & 3.75 mi.E. of Eakley; in NE NE sec.5, T9N R12W 30 ft.S. of C/L OK Hwy.#41; 117 ft.SE of farmhouse; 76 ft.SE of 14" cottonwood tree. USC&GS State Marker. E.gable 1 story farm house about 600 ft. in azimuth 80°12'06". SE cor.small frame house in azimuth 170°22'26".

X-1,854,542.82 Lat. 35°17'26.0582 El.1552.189 ft.

Y- 712,638.17 Long.98 29 14.5634

13-B-5 TT 1934; Caddo Co., 1 mi.S. & $2\frac{1}{2}$ mi.E. of Eakly; in SE SE sec.31, T10N R12W; 27 ft.N. of C/L OK.Hwy.#41; 178 ft.SE of SE cor.Oak Dale Baptist Church; 277 ft.SW of SW cor. of farmhouse; 182 ft.NE of SE cor. of farmhouse. USC&GS State Marker. E.gable 1 story frame house about 1 mi. in azimuth 82°21'31". SE cor.church about 250 ft. in azimuth 141°54'26".

X-1,850,735.88 Lat. 35°17'26.6640" El.1520.350 ft.

Y- 712,718.04 Long.98 30 00.4881

13-B-6 TT 1934; Caddo Co., 1 mi.S. of Eakly; in NW NW sec.2, T9N R13W; 32 ft.S. of C/L OK Hwy.#41; 932 ft.E. of sec.line road near top of hill W. of Lake Creek Bridge. USC&GS State Marker. N.gable of grey house about $\frac{1}{2}$ mi. in azimuth 23°19'00" S.gable 2 story white house about 1.75 mi. in azimuth 228°49'40". W.gable large 2 story grey house about 1.5 mi. in azimuth 269°32'05".

X-1,835,964.84 Lat. 35°17'26.0915" El.1483.881 ft.

Y- 712,736.97 Long.98 32 58.6608

13-B-7 TT 1934; Caddo Co., 1 mi.S. & 0.4 mi.W. of Eakly; in SE cor.SE sec.34, T10N R13W; 41 ft.N. of C/L OK Hwy.#41; 164 ft.NW of NW cor. of farmhouse. USC&GS State Marker. E.gable 1 story square frame house about 3 mi. in azimuth 45°48'08". E.gable small 1 story frame house about 1 mi. in azimuth 102°21'30".

X-1,833,840.69 Lat. 35°17'26.8077" El.1488.337 ft.

Y- 712,821.02 Long.98 33 24.2883

Highway BM: Caddo Co., approx. 1 mi.S. & $\frac{3}{4}$ mi.W. of Eakly. X on top of NE cor. of concrete well curb. 120 ft. right of station 173 plus 15.

El.1450.28 ft.

13-B-8 TT 1934; Caddo Co., 1.5 mi.W. & 1 mi.S. of Eakly; in NE NW sec.4, T9N R13W 35 ft.S. of C/L of OK Hwy.#41; 2.4 mi.E. of Washita Co. line. USC&GS State Marker. N.gable 1 story frame house about 1 mi. in azimuth 24°51'06". SE cor. 1 story frame house about $\frac{3}{4}$ mi. in azimuth 155°59'28". S.gable large 1 story frame bldg. in Eakly in azimuth 234°53'47".

X-1,826,099.83 Lat. 35°17'26.2003" El.1445.735 ft.

Y- 712,803.30 Long.98 34 57.6586

13-B-8 A; Caddo Co., 10 mi.W. of Binger; monel metal bolt set in N.wing of E. abutment of small concrete bridge across Lake Creek on OK Hwy.#41.

El.1382.940 ft.

BM 13-B-8-B; Caddo Co., $1\frac{3}{4}$ mi.W. of Binger; small alloy bolt set in top wing of E.abutment of 3 span pony truss bridge on OK Hwy.#41 across Cobb Creek; about 3175 ft.W. of 13-B-8.

El.1394.661 ft.

13-B-9 TT 1934; Caddo Co., 3 mi.W. & 1 mi.S. of Eakly; in SE SE sec.31, T10N R13W 260 ft.W. of C/L sec. line road; 145 ft.W. of SW cor. of filling station. 1 mi.E. of Washita Co. line. USC&GS State Marker. E.gable large 2 story yellow house about $1\frac{1}{2}$ mi. in azimuth 32°44'55". Spire on Bethel Baptist Church in azimuth 89°07'07". E.gable on small L shaped white house about 3 mi. in azimuth 220°51'55".

X-1,818,963.37 Lat. 35°17'27.0265" El.1452.591 ft.

Y- 712,928.87 Long.98 36 23.7487

Highway BM: approx. $3\frac{5}{6}$ mi.W. & 1 mi.S. of Eakly on Caddo-Washita Co. Line; Top of second concrete step, NE cor. of Church; 70 ft. right of sta. 1085 plus 55; S.A.P. 497

El.1460.22 ft.

13-B-10 TT 1934; Washita Co., 4.5 mi.W. & 1 mi.S. of Eakly; in NE cor.NW sec.1, T9N R14W; 33 ft.S. of C/L OK Hwy.#41; 3496 ft.W. of Co. line; approx. 3400 ft.W. of Bethel Baptist Church. USC&GS State Marker. Spire on Bethel Baptist Church about $\frac{1}{2}$ mi. in azimuth 270°56'51". N.gable of stucco house about $\frac{3}{8}$ mi. in azimuth 69°12'16" S.gable L.shaped white house about 4 mi. in azimuth 238°58'44".

X-1,810,519.35 Lat. 35°17'26.2994" El.1523.640 ft.

Y- 712,907.29 Long.98 38 05.6002

13-B-11 TT 1934; Washita Co., 7 mi.W. & 1 mi.S. of Eakly; in SE SE sec.33, T10N R14W; 40 ft.N. of C/L OK Hwy.#41; 95 ft.W. of C/L sec. line road. USC&GS State Marker. W.gable stucco house about $\frac{1}{8}$ mi. in azimuth 286°41'18". C/L chimney on large 2 story house about 2.5 mi. in azimuth 89°50'40". W.gable large yellow house about $\frac{3}{4}$

mi.in azimuth 259°47'00".

X-1,798,126.94 Lat. 35°17'27.0580" El.1571.276 ft.
Y- 713,064.49 Long.98 40'35.0913

13-B-11 A: Washita Co., 7 mi.W.& 2 mi.S.of Eakly, Caddo Co. on E.boundary of SE sec.4,T9N R14W; 33 ft.W.of C/L of sec.line road; 1.5 ft.W.of R/W fence; 2 ft.N.of 3rd fence post N.from driveway of farmhouse; on gyp hill. USC&GS State Marker.

X-1,798,133.74 Lat. 35°16'55.0756"
Y- 709,830.69 Long.98 40 34.7480

13-B-11-B: Caddo Co., 7 mi.W.& 3 mi.S.of Eakly; in approx.center E.boundary SE sec.9,T9N R14W; 28 ft.W.of C/L sec.line road; 3 ft.E.of W.R/W fence on land owned by C.G.Long, 245 ft.N. 30°45' E.of house.

X-1,798,054.15 Lat. 35°15'51.2155
Y- 703,374.33 Long.98 40 35.1860

Grebe Tri. Station: See Traverse 21-C.

13-B-12 TT 1934; Washita Co., 8 mi.W.& 1 mi.S.of Eakly; in NW NW sec.4,T9N R14W 43 ft.S.of C/L OK Hwy.#41; 1049 ft.E.of C/L sec.line road. USC&GS State Marker. N.gable large yellow 2 story house about 1 mi.in azimuth 92°03'23". E.gable of school house about 1 mi.in azimuth 168°29'48".

X-1,794,002.59 Lat. 35°17'26.2810" El.1592.478 ft.
Y- 713,013.85 Long.98 41 24.8356

13-B-13 TT 1934; Washita Co., 9.5 mi.W.& 1 mi.S.of Eakly; in SE SE sec.31,T10N R14W; 2260 ft.E.of C/L sec.line road; 40 ft.N.of C/L OK Hwy.#41; 149 ft.NE of NE cor. of J.P.Cone's 2 story residence. USC&GS State Marker. W.gable of house about 1 mi.in azimuth 326°38'51". E.gable T shaped white house about 1 mi.in azimuth 88°14'39". S.gable large 2 story house about 1½ mi.in azimuth 209°41'19".

X-1,784,716.47 Lat. 35°17'27.3600" El.1608.587 ft.
Y- 713,187.85 Long.98 43 16.8362

13-B-14 TT 1934; Washita Co., 12 mi.E.of Cordell; in NW sec.2,T9N R15W; 42 ft.S.of C/L OK Hwy.#41; 527 ft.W.of C/L sec.line road. USC&GS State Marker. C/L chimney 2 story farmhouse about 2 mi.in azimuth 271°02'04". C/L belfry schoolhouse about ½ mi.in azimuth 14°28'09". C/L E.gable 1½ story house 1 mi.in azimuth 147°51'54".

X-1,772,453.19 Lat. 35°17'27.0187" El.1485.635 ft.
Y- 713,243.50 Long.98 45 44.7858

13-B-15 TT 1934; Washita Co., 10.5 mi.E.of Cordell; in SW SE sec.35,T10N R15W; 35 ft.N.of C/L OK Hwy.#41; 1876 ft.W.of C/L sec.line road. USC&GS State Marker. C/L belfry on school about 1 mi.in azimuth 292°28'31". C/L N.gable 2 story frame house about 2 mi.in azimuth 51°40'51". C/L S.gable 1 story frame house on horizon in azimuth 155°50'54".

X-1,764,810.65 Lat. 35°17'28.1275" El.1553.045 ft.
Y- 713,414.30 Long.98 47 16.9865

13-B-16 TT 1934; Washita Co., 10 mi.E.of Cordell; in NE NE sec.5,T9N R15W; 38 ft.S.of C/L OK Hwy.#41; 318 ft.W.of C/L sec.line road. USC&GS State Marker. C/L E.gable cotton gin in Cloud Chief about 3 mi.in azimuth 45°12'26". C/L belfry on schoolhouse about 1½ mi.in azimuth 132°53'46". W.gable 1 story frame house about ¾ mi.in azimuth 255°28'35".

X-1,761,104.90 Lat. 35°17'27.6889" El.1545.525 ft.
Y- 713,399.12 Long.98 48 01.6841

13-B-17 TT 1934; Washita Co., 9 mi.E.of Cordell; in SW sec.32,T10N R15W; 41 ft.N.of C/L OK Hwy.#41; 1027 ft.E.of C/L sec.line road; 85 ft.SW of SW cor.of residence in B.N. Coucher's yard. USC&GS State Marker. SW cor.1 story frame house about 1 mi.in azimuth 287°33'44". C/L E.gable 1½ story frame house about ½ mi.in azimuth 88°08'04". C/L belfry on schoolhouse about 1 mi.in azimuth 160°38'36".

X-1,757,080.04 Lat. 35°17'28.7427" El.1522.140 ft.
Y- 713,537.86 Long.98 48 50.2455

13-B-18 TT 1934; Washita Co., 8 mi.E.of Cordell; in SW SW sec.31,T10N R15W; 43 ft.N.of C/L OK Hwy.#41; 195 ft.E.of C/L sec.line road; 626 ft.E.of E.end Washita River Bridge. USC&GS State Marker. C/L spire on church about 2 mi.in azimuth 14°35'06". C/L belfry on school about 1¼ mi.in azimuth 219°52'51".

X-1,751,163.18 Lat. 35°17'29.7684" El.1451.200 ft.
Y- 713,689.86 Long.98 50 01.6302

BM.-18-A; Washita Co., approx.8 mi.E.of Cordell; head of small alloy bolt set in top of NW wing of NE abutment of bridge across Washita River on OK Hwy #41.

El.1415.849 ft.

BM.-18-B; Washita Co., approx.7 3/8 mi.E.of Cordell; on SE cor.of 4'x 2' concrete culvert approx.½ mi.W.of Washita River Bridge, on OK Hwy. #41; 2" chiseled square on top of wingwall.

El.1413.35 ft.

13-B-19 TT 1934; Washita Co., 6.6 mi.E.of Cordell; in SW SE sec. 35,T10N R15W; 38 ft.N.C/L OK Hwy.#41; 1.2 mi.W.of Washita River Bridge. USC&GS State Marker. E.gable 1½ story frame house about 1.5 mi.in azimuth 115°50'28". C/L belfry on school about 2.5 mi.in azimuth 255°01'58".

X-1,744,018.86 Lat. 35°17'28.9939" El.1457.830 ft.
Y- 713,671.41 Long.98 51 27.8034

BM 19-A: Washita Co., 5.1 mi. E. of Cordell; A 2" chiseled square on SE cor. head-wall concrete culvert approx. 2100 ft. W. of Station 13-B-20

El. 1457.61 ft.

13-B-20 TT 1934; Washita Co., 5.3 mi. E. of Cordell; in NE NW sec. 3, T9N R16W; 1759 ft. E. of C/L road between secs. 3 & 4; 34 ft. S. of C/L OK Hwy. #41. USC&GS State Marker. C/L E. gable 1 story frame house about $\frac{1}{2}$ mi. in azimuth $53^{\circ}28'42''$. S. gable 1 story frame house about $\frac{1}{2}$ mi. in azimuth $205^{\circ}13'41''$. C/L belfry on school about 3 mi in azimuth $254^{\circ}05'29''$.

X-1, 736, 862.48

Lat. $35^{\circ}17'28.1672''$

El. 1531.454 ft.

Y- 713, 649.49

Long. 98 52 54.1216

BM 20-A: Washita Co., 3.4 mi. E. of Cordell; 3" square chiseled on SE cor. concrete culvert headwall approx. 120 ft. W. of Station 13-B-21, on OK Hwy. #41.

El. 1525.54 ft.

BM 20-B: Washita Co., approx. 4 mi. E. of Cordell; 2" square chiseled on SE cor. concrete culvert on OK Hwy. #41; approx. 3000 ft. E. of 13-B-21.

El. 1514.08 ft.

13-B-21 TT 1934; Washita Co., 3.4 mi. E. of Cordell; in SE SW sec. 32, T10N R16W; 33 ft. N. of C/L OK Hwy. #41; 3811 ft. W. of C/L sec. line road. USC&GS State Marker. C/L W. gable schoolhouse about 1 mi. in azimuth $305^{\circ}51'34''$. C/L spire on courthouse at Cordell in azimuth $90^{\circ}28'04''$. C/L spire on church about 1.5 mi. in azimuth $171^{\circ}35'19''$

X-1, 726, 020.32

Lat. $35^{\circ}17'28.7108''$

El. 1573.312 ft.

Y- 713, 801.11

Long. 98 55 04.9158

BM 21-A: Washita Co., approx. 3 mi. E. of Cordell; 2" chiseled square on S. head-wall of concrete culvert on OK Hwy. #41. approx. 1200 ft. W. of Station 13-B-21

El. 1562.96 ft.

13-B-22 TT 1934; Washita Co., 2.2 mi. E. of Cordell; in NW NW sec. 6, T9N R16W; 37 ft. S. of C/L OK Hwy. #41 157 ft. N. of NE cor. J.E. Poor's residence. USC&GS State Marker NE cor. chimney 2 story white house about 1 mi. in azimuth $311^{\circ}03'42''$. NW cor. chimney main gable 2 story white house in azimuth $209^{\circ}59'52''$. SE cor. bldg. N. grade school about 2.5 mi. in azimuth $100^{\circ}43'37''$.

X-1, 719, 549.28

Lat. $35^{\circ}17'28.1031''$

El. 1573.212 ft.

Y- 713, 799.21

Long. 98 56 22.9685

13-B-23 TT 1934; Washita Co., 1.3 mi. E. of Cordell; in SE SW sec. 36, T10N R17W; 35.5 ft. N. of C/L OK Hwy. #41; 4.5 ft. S. R/W fence; 244 ft. NE from cor. large 2 story farmhouse. USC&GS State Marker. SE cor. Lincoln Grade School in azimuth $103^{\circ}52'30''$. NE cor. Jefferson Grade School in Cordell in azimuth $79^{\circ}57'35''$.

X-1, 715, 396.64

Lat. $35^{\circ}17'28.8127''$

El. 1573.547 ft.

Y- 713, 909.90

Long. 98 57 13.0700

BM 23-A: Washita Co., 1.8 mi. E. of Cordell; 2" chiseled square on S. headwall of concrete culvert, on OK Hwy. #41.

El. 1543.00 ft.

13-B-24 TT 1934; Washita Co., 1.5 mi. E. of Cordell; in NW NE sec. 2, T9N R17W; 38 ft. S. of C/L OK Hwy. #41; 2 ft. N. of S. Hwy. R/W fence; 250 ft. W. of 2 story grey house on S. side of Hwy; 1823 ft. W. of sec. cor. USC&GS State Marker. SE cor. Lincoln Grade School, Cordell in azimuth $108^{\circ}51'18''$. SE cor. brick bldg. (Jefferson Grade School, Cordell) in azimuth $74^{\circ}48'46''$.

X-1, 712, 306.31

Lat. $35^{\circ}17'28.0789''$

El. 1557.973 ft.

Y- 713, 865.06

Long. 98 57 50.3402

13-B-25 TT 1934, reset 1936; Washita Co., 0.8 mi. E. of Cordell; 83 ft. N. & 22 ft. E. of SW cor. SW sec. 35, T10N R17W; 2 ft. W. of E. R/W fence. USC&GS State Marker.

X-1, 708, 778.60

Lat. $35^{\circ}17'30.2306''$

El. 1548.833 ft.

Y- 714, 116.53

Long. 98 58 32.9202

13-B-26 TT 1934; Cordell, Washita Co., 2.25 ft. S. of courthouse foundation; 15 ft. W. of C/L projected of S. entrance to courthouse; in sec 3, T9N R17W. USC&GS State Marker.

X-1, 704, 760.07

Lat. $35^{\circ}17'27.8551''$

El. 1558.507 ft.

Y- 713, 915.45

Long. 98 59 21.3678

BM 26-A: Washita Co., 0.5 mi. W. of courthouse, Cordell; chiseled mark on NW wing wall of steel bridge on OK Hwy. #41.

El. 1536.60 ft.

13-B-27 TT 1934; Washita Co., 0.95 mi. W. of Cordell; 1927 ft. E. & 49 ft. N. of SW cor. SW sec. 33, T10N R17W; 16 ft. W. of W. line of white house on S. side of OK Hwy. #41; 3 ft. S. of N. R/W fence. USC&GS State Marker. SW cor. Jefferson Grade School in azimuth $285^{\circ}41'43''$. C/L cupola on white house in Cordell in azimuth $254^{\circ}02'35''$. C/L center chimney on white house in azimuth $195^{\circ}36'48''$

X-1, 699, 708.15

Lat. $35^{\circ}17'28.9594''$

El. 1563.546 ft.

Y- 714, 077.05

Long. 99 00 22.3226

BM 27-A: Washita Co., 1.5 mi. NW of Cordell; chiseled mark on W. wingwall on N. side of concrete culvert at N-S sec. line.

El. 1570.99 ft.

13-B-28 TT 1934; Washita Co., 2.2 mi. W. of Cordell; 607 ft. W. & 36 ft. S. of NE cor. NE sec. 6, T9N R17W. USC&GS State Marker. SW cor. Jefferson Grade School in azimuth $277^{\circ}35'52''$. C/L cupola on white house in Cordell in azimuth $264^{\circ}11'42''$. NW cor. Lincoln Grade School in azimuth $256^{\circ}11'22''$.

- X-1,692,413.65 Lat. 35°17'28.2873" El.1705.230 ft.
 Y- 714,082.68 Long.99 01 50.3084
 13-B29 TT 1934; Washita Co.,3.5 mi.W.of Cordell; 1666 ft.W.& 45 ft.N.of SW cor. SE sec.36,T10N R18W; 35 ft.N.of N.edge of pavement; 3 ft.S.of N.R/W fence on top of sandstone ridge. USC&GS State Marker. SW cor.Jefferson Grade School in azimuth 275°35'46". C/L chimney on house in azimuth 29°59'51". C/L chimney on house with barn E.and windmill S. in azimuth 140°20'31".
- X-1,686,087.06 Lat. 35°17'28.9120". El.1766.826 ft.
 Y- 714,211.11 Long.99 03 06.6345
 BM 29-A: Washita Co.,5.6 mi.W.of courthouse,Cordell; 2" chiseled mark on E.end S.headwall concrete culvert on OK Hwy.#41; 2400 ft.E.of Station 13-B-31.
 El.1795.63 ft.
 13-B-30 TT 1934; Washita Co.,4.7 mi.W.of Cordell; 2368 ft.E.& 35 ft.N.of SW cor.sec.35,T10N R18W; 27 ft.N.of N.edge of pavement; 3 ft.S.of N.R/W fence; about 400 ft.W.of white house on N.side of road. USC&GS State Marker. C/L chimney on house in azimuth 203°59'19". SE cor.chimney white house (cedar trees) in azimuth 119°55'29". C/L church steeple in Dill in azimuth 73°41'59".
- X-1,679,593.04 Lat. 35°17'28.9030" El.1829.414 ft.
 Y- 714,278.57 Long.99 04 24.9729
 13-B-31 TT 1934; Washita Co.,5.1 mi.W.of Cordell Courthouse; 190 ft.E.& 40 ft. N.of SW cor SW sec.35,T10N R18W; 27 ft.N.of N.edge of pavement. USC&GS State Marker SE cor.chimney white house(cedar trees) in azimuth 169°37'49". C/L chimney white house with 4 lightning rods in azimuth 129°30'49".
- X-1,677,417.96 Lat. 35°17'28.9114" El.1826.900 ft.
 Y- 714,302.64 Long.99 04 51.2114
 13-B32 TT 1934; Washita Co.,6.0 mi.W.of Cordell Courthouse;1054 ft.E.& 32 ft. N.of NW cor.SW sec.3,T9N R18W; 22 ft.S.of S.edge of pavement. USC&GS State Marker. SE cor.chimney on house(cedar trees) in azimuth 251°36'01". C/L chimney on white house 4 lightning rods in azimuth 168°44'51".
- X-1,672,987.22 Lat. 35°17'28.2378" El.1810.046 ft.
 Y- 714,282.31 Long.99 05 44.6510
 13-B-33 TT 1934; Washita Co.,7 mi.W.of courthouse Cordell; 962 ft.E.& 40 ft. N.of SW cor.SW sec.33,T10N R18W; 169 ft.E.of E.line of 2 room house,unpainted, on N.side of OK Hwy.#41; 30 ft.N.of N.edge of pavement.& 2.5 ft.S.of N.R/W fence on top of sand mound. USC&GS State Marker 4" below surface. C/L unidentified water tower in azimuth 342°46'07". C/L steeple on church in Dill in azimuth 42°02'47".
- X-1,667,627.19 Lat. 35°17'28.9098" El.1862.968 ft.
 Y- 714,408.91 Long.99 06 49.3192
 BM 33-A: Washita Co.,6 mi.W.of Cordell Courthouse; chiseled "X" on SW abutment of concrete culvert on OK Hwy.#41; approx. 1 mi.E.of Station 13-B-34.
 El.1806.70 ft.
 13-B-34 TT 1934; Washita Co.,7 mi.W.of Cordell Courthouse; 1320 ft.W.& 35 ft. S.of NE cor.NE sec.5,T9N R18W; 81 ft.W.of W.line white house on S.side OK Hwy.#41; 800 ft.E.of SF RR crossing (Old KMC&O). USC&GS State Marker. C/L spire on church in Dill in azimuth 22°49'03". C/L chimney on long white house in azimuth 137°11'21"
- X-1,665,221.65 Lat. 35°17'27.9173" El.1876.564 ft.
 Y- 714,335.19 Long.99 07 18.3241
 Dill Tri. Sta., Washita Co.,(E.O.Heaton 1921, re-set by N.E.Wolfard 1936). 1.0 mi.N.& ½ mi.E.of Dill City,near N.side NW sec.5,T9N R18W; on land owned by H.F. Murdock; on a sand ridge about 530 ft.SW of "over-pass" on OK Hwy.#41; over KMC&O RR; 167.9 ft.SE of SE cor.Murdock farmhouse. Station originally set by Heaton,with one reference mark; old reference not found; re-occupied in 1934 by Aslakson who set two additional reference marks,(#1 & #2); reference #1 (11b) 286.56 ft. ENE of station on W.R/W fence line; 47 ft.W.of W.rail; 132 ft.N.of MP.#419. Reference mark #2 (11b) 261.91 ft. ESE of station in W.R/W fence line. 47.2 ft.W.of W.rail; 39 ft. S.of MP.#419; surface mark note 1 b; sub mark note 7 a.
- X-1,663,410.74 Lat. 35°17'24.427" El.1889.780 ft.
 Y- 714,002.45 Long.99°07'40."122
 13-B-35 TT 1936; Washita Co.,0.6 mi.N.of Dill City; near SE sec.6,T10N R18W; at emergency air field; 218 ft.W.of graveled county road. OSCC Marker. C/L steeple Methodist Church about ¾ mi.in azimuth 325°43'23". C/L E.comb point roof white farm bungalow owned by Mr.Rombo about 600 ft.in azimuth 12°26'43". C/L E.gable farm bungalow about 1 mi.in azimuth 118°15'23".
- X-1,661,266.73 Lat. 35°17'07"1251" El.1876.534 ft.
 Y- 712,277.01 Long.99 08 05.7482
 13-B-36 TT 1936; Washita Co.,1.0 mi.N. & 1.55 mi.W.of Dill City; near NW cor. NE sec.1,T10N;R19W; 56 ft.S.of OK Hwy.#41. OSCC Marker. C/L steeple Methodist Church Dill City about 2 mi.in azimuth 301°05'10". C/L N.apex 1 story cream colored farmhouse about 1 mi.in azimuth 24°49'58". C/L W.apex 1 story white house about ½ mi.in azimuth 260°42'15".
- X-1,654,868.71 Lat. 35°17'28.2204" El.1855.073 ft.
 Y- 714,482.68 Long.99 09 23.2180
 13-B-37 TT 1936; Washita Co.,1.0 mi.N.& 3.02 mi.W.of Dill City; near SW cor.SE SW sec.35,T11N R19W; 60 ft.N.of C/L OK Hwy.#41. OSCC Marker. C/L steeple Methodist

Church in Dill City about $3\frac{1}{2}$ mi. in azimuth $287^{\circ}55'25''$. C/L N.apex white bungalow about $\frac{3}{4}$ mi. in azimuth $310^{\circ}29'05''$. C/L S.apex white farm bungalow about 100 ft. in azimuth $161^{\circ}16'00''$.

X-1,647,114.78 Lat. $35^{\circ}17'29''$.1587 El.1857.437 ft.
 Y- 714,667.43 Long.99 10 56.7692

13-B-38 TT 1936; Washita Co., 1.0 mi.N.&3.92 mi.W.of Dill City; approx NE NW sec.3,T10N.R19W; 55 ft.S.of C/L OK.Hwy.#41.; in NE cor.yard of farm home of J.S. Prickett. OSCC Marker. C/L steeple Methodist Church in Dill City in azimuth $283^{\circ}58'16''$. C/L E.apex white farm bungalow about 200 ft. in azimuth $76^{\circ}49'16''$. C/L S.apex white farm bungalow about 1 mi. in azimuth $189^{\circ}26'21''$.

X-1,642,380.44 Lat. $35^{\circ}17'28.4198''$ El.1894.736 ft.
 Y- 714 648.52 Long.99 11 53.8704

13-B-39 TT 1936; Washita Co., 1.0 mi.N.& 4.5 mi.W.of Dill City; in approx.SW cor.SE sec.33,T11N R19W; 61 ft.N.of C/L OK Hwy.#41, on top of 8 ft.Sandy cut bank. OSCC Marker. C/L N.apex unpainted farm cottage about $\frac{1}{2}$ mi. in azimuth $43^{\circ}00'45''$. C/L S.apex yellow farm bungalow about 1 mi. in azimuth $177^{\circ}27'20''$. C/L comb roof unpainted farm bungalow about $\frac{1}{4}$ mi. in azimuth $204^{\circ}29'15''$.

X-1,639,203.06 Lat. $35^{\circ}17'29.3735''$ El.1905.496 ft.
 Y- 714,782.84 Long.99 12 32.2141

13-B-40 TT 1936; Washita Co., 1.0 mi.N.& 5.3 mi.W.of Dill City; approx. in NW cor.NW sec.4,T10N R19W; 56 ft.S.of C/L OK.Hwy.#41. OSCC Marker. C/L E.apex 1 story grey farm cottage about 2 mi. in azimuth $73^{\circ}23'51''$. SW cor.1 story white farmhouse about $\frac{1}{2}$ mi. in azimuth $171^{\circ}38'06''$. C/L S.apex brown trimmed farmhouse about 1 mi. in azimuth $205^{\circ}05'31''$.

X-1,635,058.09 Lat. $35^{\circ}17'28.4168''$ El.1855.497 ft.
 Y- 714,736.03 Long.99 13 22.2022

13-B-41 TT 1936; Washita Co., 1.0 mi.N.& 7.1 mi.W.of Dill City; near SE cor. SW sec.31,T11N R19W.; N.of C/L OK.Hwy.#41, on top of 15 ft.cut bank in pasture.

OSCC Marker. C/L E.apex unpainted farm bungalow about $\frac{1}{4}$ mi. in azimuth $34^{\circ}34'07''$. C/L S.apex yellow $1\frac{1}{2}$ story farmhouse about $\frac{1}{2}$ mi. in azimuth $125^{\circ}17'17''$. C/L W.apex white farm bungalow about 1 mi. in azimuth $262^{\circ}12'07''$.

X-1,625,642.68 Lat. $35^{\circ}17'29.9369''$ El.1891,335 ft.
 Y- 715,005.27 Long.99 15 15.8066

13-B-42 TT 1936; Washita Co., 1.0 mi.N.& 9.45 mi.W.of Dill City; in approx. NE cor.sec.3,T10N R20W; S.of C/L of OK.Hwy.#41; 0.2 mi.W.of filling station, NW of sec. cor. OSCC Marker. NE cor.sharp top 1 story white house about 2 mi. in azimuth $306^{\circ}34'22''$. N.apex white 1 story cottage about 1 mi. in azimuth $13^{\circ}00'05''$. C/L S.apex weathered 1 story farmhouse about 200 ft. in azimuth $138^{\circ}52'00''$.

X-1,613,169.07 Lat. $35^{\circ}17'28.3763''$ El.1800.550 ft.
 Y- 715,005.07 Long.99 17 46.2573

13-B-43 TT 1936; Washita Co., 1.0 mi.N.& 10.3 mi.W.of Dill City; near SE cor. sec.33,T11N R20W. OSCC Marker.set in NW cor.L shaped headwall 24" concrete culvert under N-3 road; N.side OK.Hwy.#41. C/L E.apex faded white house about 250 ft. in azimuth $50^{\circ}02'38''$. C/L NE cor. unpainted farm cottage about $\frac{3}{4}$ mi. in azimuth $109^{\circ}05'53''$. C/L S.gable white farm bungalow about $\frac{1}{2}$ mi. in azimuth $172^{\circ}06'23''$.

X-1,608,673.42 Lat. $35^{\circ}17'28.9268''$ El.1815.307 ft.
 Y- 715,118.80 Long.99 18 40.4992

13-B-44 TT 1936; Washita Co., 1.0 mi.N.& 11.1 mi.W.of Dill City; near NE cor. NW sec.4,T11N R20W; S.of C/L OK Hwy.#41. OSCC Marker. C/L N.apex white farm house about $\frac{1}{2}$ mi. in azimuth $33^{\circ}20'37''$. C/L S.apex brown farm cottage about $\frac{3}{4}$ mi. in azimuth $132^{\circ}55'12''$. C/L S.apex unpainted farmhouse about $\frac{3}{4}$ mi. in azimuth $166^{\circ}45'47''$.

X-1,604,478.48 Lat. $35^{\circ}17'28.3038''$ El.1859.659 ft.
 Y- 715,110.60 Long.99 19 31.0948

13-B-45 TT 1936; Washita Co., 1.0 mi.N.& 11.6 mi.W.of Dill City; 3 ft.S.& 3 ft. W.of R/W fence cor.near NW NE sec.5,T9N R20W; Via OK Hwy.#41; in NE cor.of field. OSCC Marker. C/L N.apex 1 story white farmhouse about $\frac{3}{4}$ mi. in azimuth $327^{\circ}17'01''$. C/L E.apex 1 story unpainted farmhouse about $\frac{1}{2}$ mi. in azimuth $37^{\circ}23'56''$. C/L S.apex 1 story unpainted farmho se about $\frac{1}{2}$ mi. in azimuth $173^{\circ}42'24''$.

X-1,601,825.68 Lat. $35^{\circ}17'28.1549''$ El.1876.141 ft.
 Y- 715,130.48 Long.99 20 03.0945

13-B-46 TT 1936; Washita Co., 1.0 mi.N.& 12.4 mi.W.of Dill City; 1.9 mi.E.of Ural, by OK.Hwy.#41; near SE cor.sec.31,T9N R20W; on top of prominent rocky point in the sec.line. OSCC Marker. C/L Carter Watertower about 11 mi. in azimuth $61^{\circ}41'15''$. C/L Elk City watertower in azimuth $152^{\circ}08'45''$. C/L W.apex unpainted farm bungalow about 1 mi. in azimuth $231^{\circ}16'35''$.

X-1,597,336.29 Lat. $35^{\circ}17'28.6065''$ El.1858.699 ft.
 Y- 715,235.83 Long.99 20 57.2596

13-B-47 TT 1936; Beckham Co., 1.0 mi.N.& 14.4 mi.W.of Dill City; 0.1 mi.W.of Ural, near NE cor.NW NE sec.2,T9N R21W; S.of OK Hwy.#41; in range of E.side of Ural Baptist Church. (Junction Sta.with 10-J line from N.) OSCC Marker. C/L N.apex 1 story cream colored farmhouse about 300 ft. in azimuth $314^{\circ}39'24''$. C/L E.apex white farm bungalow about 1 mi. in azimuth $69^{\circ}51'49''$. C/L S.apex Ural Baptist Church about 150 ft. in azimuth $176^{\circ}03'29''$.

X-1,586,918.02	Lat. 35°17'28.2138"	El.1785.015 ft.
Y- 715,337.19	Long.99 23 02.9346	
13-B-48 TT 1936; Beckham Co.,1.85 mi.W.& 0.2 mi.N.of Ural; 12.65 mi.E.& 0.2 mi N.of Sayre; near SW cor.NE SW sec.34,T10N R21W; E.of N-S sec.line fence. Via OK Hwy #41,on top of upper bench of rocky ridge. OSCC Marker.		
X-1,577,868.59	Lat. 35°17'36.2405"	El. 1915.850 ft.
Y- 716,274.30	Long.99 24 52.2405	
13-B-49 TT 1936; Beckham Co.,11.1 mi.E.of Sayre; 2.9 mi.W.of Ural; 322 ft.N.& 300 ft.E.of approx.cor.sec.4,T9N R21W; 413 ft.N.of C/L OK.Hwy.#41 and N.of Hwy.rock quarry; 184 ft.S.& 66 ft.W.of SW cor.of old unpainted farmhouse. OSCC Marker. C/L N.apex weathered 1 story white house about 2 mi.in azimuth 311°04'50". C/L N.apex weathered 2 story farmhouse about ½ mi.in azimuth 02°57'20". C/L E.apex grey farm bungalow about 1 mi.in azimuth 97°12'50".		
X-1,572,288.88	Lat. 35°17'31.5459"	El.1886.382 ft.
Y- 715,878.29	Long.99 25 59.4726	
13-B-50 TT 1936;Beckham Co.,9.2 mi.E.of Sayre; near NW cor.NE NW sec.6,T9N R21W; S.of OK Hwy.#41; on top of 8 ft.red shale cutbank in N.edge of pasture. OSCC Marker. C/L Carter watertower about 5 mi.in azimuth 23°01'14". C/L Sayre Courthouse in azimuth 88°58'04". C/L W.apex grey farm bungalow about ¼ mi.in azimuth 258°02'27"		
X-1,562,152.97	Lat. 35°17'28.2389"	El.1967.838 ft.
Y- 715,689.52	Long.99 28 01.6918	
13-B-51 TT 1936; Reset: Beckham Co.,8.0 mi.E.of Sayre, in SW cor.sec.36,T10N R22W; 24.6 ft.N.of C/L OK Hwy.#41; on N.end of E.headwall of 24" concrete culvert. OSCC Marker.		
X-1,556,022.52	Lat. 35°17'28.8678"	El.1957.313 ft.
Y- 715,842.85	Long.99 29 15.6592	
13-B-52 TT 1936; Beckham Co.,7.5 mi.E.of Sayre; near NE cor.NW sec.2,T9N R22W 3.5 ft.W.of S.R/W fence cor. via OK Hwy.#41,S.of C/L. OSCC Marker. C/L N.apex 1 story weathered farmhouse about 1 mi.in azimuth 325°09'38". C/L Carter Watertower about 5 mi.in azimuth 06°18'03". C/L Sayre Watertower about 8 mi.in azimuth 94°30'.		
X-1,553,396.65	Lat. 35°17'28.2003"	El.1901.034 ft.
Y- 715,814.17	Long.99 29 47.3251	
13-B-53 TT 1936; Beckham Co.,6.25 mi.E.of Sayre; near SW cor.SE sec.33,T10N R22W; 50 ft.N.of C/L OK Hwy.#41; 8 ft.N.& 2.5 ft.E.of N.R/W fence cor.post; in SW cor.of pasture. OSCC Marker. C/L W.apex unpainted farmhouse about 1 mi.in azimuth 295°40'40". C/L Sayre Watertower about 6 mi.in azimuth 96°32'35". C/L comb roof white farm bungalow about 1½ mi.in azimuth 152°32'10".		
X-1,544,216.30	Lat. 35°17'29.0745"	El.1894.292 ft.
Y- 716,040.07	Long.99 31 38.0911	
13-B-54 TT 1936; Beckham Co.,4.5 mi.E.of Sayre; 47 ft.S.& 31 ft.E.of approx. cor.sec.5,T9N R22W; 47 ft.S.of C/L OK Hwy.#41; 11 ft.S.& 2.8 ft.E.of SE R/W fence cor. OSCC Marker. C/L Carter Watertower in azimuth 330°09'38"; C/L S.apex unpainted 1½ story farmhouse about ¼ mi.in azimuth 183°51'48".		
X-1,535,020.37	Lat. 35°17'28.1838"	El.1893.053 ft.
Y- 716,090.57	Long.99 33 29.0131	
13-B-55 TT 1936; Beckham Co.,3.75 mi.E.of Sayre; near SE cor.SW sec.31,T10N R23W; 65 ft.N.of C/L OK Hwy.#41; 21 ft.N.of N.R/W fence, in pasture. OSCC Marker. C/L W.apex unpainted farm cottage about 300 ft.in azimuth 321°51'30". C/L Sayre Watertower in azimuth 100°19'13". C/L E.apex brown farm bungalow about 1 mi.in azimuth 134°19'25".		
X-1,530,894.32	Lat. 35°17'29.2692"	El.1870.952 ft.
Y- 716,264.29	Long.99 34 18.8100	
13-B-56 TT 1936; Beckham Co.,2.4 mi.E.of Sayre; 600 ft.W.& 56 ft.S.of approx. cor.sec.2,T9N R23W; 56 ft.S.of C/L OK Hwy.#41; 16 ft.S.of S.R/W fence; in E.edge of pasture. OSCC Marker. C/L Carter Watertower about 5 mi.in azimuth 315°07'08". C/L dome Sayre Courthouse about 2 mi.in azimuth 91°07'13". C/L Sayre Watertower about 2 mi.in azimuth 106°14'35".		
X-1,523,765.47	Lat. 35°17'27.9194"	El.1866.461 ft.
Y- 715,239.66	Long.99 35 44.7861	
13-B-57 TT 1936; Beckham Co.,0.6 mi.E.& 1 mi.N.of Sayre; 33 ft.N.& 37 ft.E.of approx.cor.to sec.27,T10N R23W; 10 ft.E.& 6 ft.N.of NE R/W fence cor.post in edge of pasture. 286 ft.SE of small concrete farmhouse W.of road. OSCC Marker. C/L Carter Watertower in azimuth 311°32'40". C/L dome Sayre Courthouse in azimuth 24°39'10". C/L Sayre Watertower in azimuth 51°01'40".		
X-1,514,074.75	Lat. 35°18'20.5954"	El.1901.183 ft.
Y- 721,721.13	Long.99 37 42.7312	
13-B-58 TT 1936; Beckham Co.,1.0 mi.N.& 0.3 mi.E.of Sayre; near SE cor.SW SE sec.28,T10N R23W; 32 ft.N.of C/L E-W sec.line road; 56 ft.E.of SE lot cor.& 234 ft in range of E.side of small bungalow N.of road. OSCC Marker. C/L Carter Watertower in azimuth 310°19'15". C/L Sayre Watertower in azimuth 21°48'15". C/L S.apex white house about ½ mi.in azimuth 153°50'44".		
X-1,512,449.12	Lat. 35°18'20.5608"	El.1906.849 ft.
Y- 721,743.90	Long.99 38 02.3456	

13-B-59 TT 1936; Beckham Co., 0.8 mi. W. of Sayre; 554 ft. E. & 44 ft. S. of approx. $\frac{1}{4}$ cor. to sec. 5, T9N R23W; 44 ft. S. of C/L old OK Hwy. #41 (now E-W Co. road) in range of cross fence to N. 18 ft. W. of range of W. side of brown farmhouse on N. side of road OSCC Marker. C/L Sayre Watertower in azimuth $237^{\circ}29'15''$. C/L Carter Watertower about 18 mi. in azimuth $301^{\circ}32'10''$. C/L S. apex yellow farm bungalow in azimuth $189^{\circ}51'05''$
 X-1, 506, 540.34 Lat. $35^{\circ}17'27.7938''$ El. 1860.154 ft.
 Y- 716, 504.22 Long. 99 39 12.5874

13-B-60 TT 1936; Beckham Co., 2.85 mi. W. of Sayre; 49 ft. N. & 2.5 ft. W. of approx. $\frac{1}{4}$ cor. to sec. 36, T10N R24W; 49 ft. N. of C.L. old OK Hwy. #41 (now E-W Co. road); 8 ft. N. & 2 ft. W. of SE yard fence corner at home of Jess Brymer; 11 ft. E. & 4 ft. S. of 22' cottonwood tree; OSCC Marker. C/L Carter Watertower about 20 mi. in azimuth $296^{\circ}18'24''$. C/L Erick Watertower about 15 mi. in azimuth $61^{\circ}35'04''$. C/L Sayre Watertower about 3 mi. in azimuth $259^{\circ}33'54''$.
 X-1, 495, 476.67 Lat. $35^{\circ}17'28.7604''$ El. 1958.213 ft.
 Y- 716, 785.25 Long. 99 41 26.0803

13-B-61 TT 1936; Beckham Co., 4 mi. W. of Sayre; near center N. line NW $\frac{1}{4}$ sec. 2, T9N R24W; 42 ft. S. of C/L old OK Hwy. #41 (now E-W Co. road); 28.5 ft. N. of 6" blazed locust tree in said mott of locust trees; 313 ft. W. of C/L of private drive to Ramsey home. OSCC Marker. C/L Erick Watertower in azimuth $58^{\circ}49'00''$. C/L SW cor. white box type farmhouse in trees in azimuth $82^{\circ}37'55''$. C/L S. apex unpainted farm house about $\frac{3}{4}$ mi. in azimuth $157^{\circ}09'55''$.
 X-1, 489, 879.67 Lat. $35^{\circ}17'28.1608''$ El. 1933.412 ft.
 Y- 716, 818.88 Long. 99 42 33.5910

13-B-62 TT 1936; Beckham Co., 4.55 mi. W. of Sayre; near SE cor. SW SE sec. 34, T10N R24W; 33 ft. N. of C/L old OK Hwy. #41 (now E-W Co. road); 542 ft. W. of junction C/L with road to NW just S. of line of locust trees N. of road. OSCC Marker. C/L N. apex unpainted farmhouse in grove of trees about 1 mi. in azimuth $322^{\circ}01'44''$; C/L Erick Watertower about 10 mi. in azimuth $56^{\circ}55'42''$. C/L S. apex unpainted farm cottage about 1 mi. in azimuth $196^{\circ}12'09''$.
 X-1, 486, 731.55 Lat. $35^{\circ}17'29.1019''$ El. 1925.088 ft.
 Y- 716, 967.53 Long. 99 43 11.5901

13-B-63 TT 1936; Beckham Co., 5.55 mi. NW of Sayre; 1159 ft. SE of intersection C/L of old OK Hwy. #41 (now E-W Co. road); and C/L of N-S sec. line road; 47 ft. SW of C/L main road & 385 ft. SE of cross fence to W. on top of small shinnery covered hill on W. side main road. OSCC Marker. C/L E/apex yellow farm bungalow about $\frac{1}{2}$ mi. in azimuth $21^{\circ}02'00''$. C/L peak roof on farm bungalow about $\frac{1}{2}$ mi. in azimuth $116^{\circ}24'15''$; C/L Erick Watertower in azimuth $51^{\circ}22'30''$.
 X-1, 483, 105.50 Lat. $35^{\circ}18'04.9031''$ El. 1966.155 ft.
 Y- 720, 649.88 Long. 99 43 56.0851

13-B-64 TT 1936; Beckham Co., 6.95 mi. NW of Sayre; near SE cor. NW sec. 28, T10N R24W; 40 ft. NE of C/L old OK Hwy. #41 (now E-W Co. road); 3.0 ft. S. & 1.5 ft. W. of large fence cor. post on E. side of private drive to home of J. L. Boyd; 800 ft. E. of C/L of N-S sec. line road; 1286 ft. SW of intersection of two roads. OSCC Marker. C/L Erick Watertower in azimuth $43^{\circ}12'20''$. C/L W. apex unpainted farm cottage about 0.2 mi. in azimuth $204^{\circ}52'45''$. C/L W. apex brown white trimmed farm bungalow about $\frac{1}{2}$ mi. in azimuth $266^{\circ}25'15''$.
 X-1, 478, 019.49 Lat. $35^{\circ}18'57.9668''$ El. 1948.076 ft.
 Y- 726, 103.62 Long. 99 44 58.5733

13-B-65 TT 1936; Beckham Co., 7.6 mi. W. & 2.0 mi. N. of Sayre; near SW cor. SE sec. 19, T10N R24W; 1.0 mi. N. of small filling station at intersection of old OK Hwy. #41 & E-W sec. line road; 2.5 ft. S. of N.R/W fence & about 0.3 mi. E. of cross fence to S. OSCC Marker. C/L W. apex small unpainted 1 story farm cottage about 1 mi. in azimuth $316^{\circ}20'52''$. C/L Erick Watertower about 12 mi. in azimuth $35^{\circ}38'17''$. C/L S. apex unpainted 1 story farmhouse in grove of trees about $\frac{1}{2}$ mi. in azimuth $205^{\circ}12'50''$.
 X-1, 470, 814.34 Lat. $35^{\circ}19'14.2629''$ El. 1983.753 ft.
 Y- 727, 877.32 Long. 99 46 25.8740

13-B-66 TT 1936; Beckham Co., 7.9 mi. W. & 2.0 mi. N. of Sayre; near NE cor. NW sec. 30, T10N R24W; about 1.5 mi. W. of small filling station at intersection of old OK Hwy. #41 & E-W sec. line road; 32 ft. S. of C/L of E-W road & 2.5 ft. W. of cross fence to S; 86 ft. E. of C/L of private drive to farmhouse N. of road. OSCC Marker. C/L Erick Watertower in azimuth $34^{\circ}06'14''$. C/L Texola, Texas Watertower in azimuth $60^{\circ}31'44''$. C/L W. apex 1 story white farmhouse about 3 mi. in azimuth $222^{\circ}38'29''$.
 X-1, 469, 214.57 Lat. $35^{\circ}19'13.7826''$ El. 1987.141 ft.
 Y- 727, 856.91 Long. 99 46 45.1707

13-B-67 TT 1936; Beckham Co., 9.5 mi. W. & 2.0 mi. N. of Sayre; 712 ft. W. & 21 ft. N. of approx. cor. to sec. 23, T10N R24W; on top of highest point in E-W sec. line trail; 15.3 ft. S. of N.R/W fence; just N. of most northerly river bend. OSCC Marker. C/L Erick Watertower in azimuth $24^{\circ}43'03''$. C/L Texola, Texas Watertower in azimuth $56^{\circ}39'43''$. C/L W. apex unpainted farm cottage about 1 mi. in azimuth $239^{\circ}55'58''$.
 X-1, 460, 671.15 Lat. $35^{\circ}19'14.4720''$ El. 1990.369 ft.
 Y- 728, 078.45 Long. 99 48 28.2930

13-B-68 TT 1936; Beckham Co., 11.7 mi. W. & 2.0 mi. N. of Sayre; 9.6 mi. N. 1.7 mi. E. of Erick; via gravel road; 465 ft. E. & 30 ft. N. of approx. $\frac{1}{4}$ cor. to sec. 21, T10N R24W; 2 ft. S. of N.R/W fence; on high point in E-W sec. line trail; about $\frac{1}{2}$ mi. N. of river.

OSCC Marker. C/L Erick Watertower in azimuth $09^{\circ}30'08''$. C/L Texola, Texas Watertower about 12 mi. in azimuth $49^{\circ}51'21''$. C/L E.apex 1 story white farmhouse about 1 mi. in azimuth $105^{\circ}59'28''$.

X-1,448,957.08 Lat. $35^{\circ}19'14.7463''$ El.2038.809 ft.

Y- 728,318.28 Long. $99\ 50\ 49.6731$

13-B-69 TT 1936; Beckham Co., 13.7 mi.W.& 2.0 mi.N.of Sayre; 9.6 mi.N.& 0.3 mi. W. of Erick, via gravel road; near SE cor.SW,SE,sec.19, T10N,R25W; 1390 ft.W. of C/L gravel road; in range of E.side of faded white farm bungalow N. of road; 78 ft.S.of SE cor.12.8 ft.S.of yard fence. OSCC Marker set about 10" below surface. C/L Erick water tower about $7\frac{1}{2}$ mi.in azimuth $355^{\circ}18'01''$; C/L E.apex unpainted farm cottage in azimuth $47^{\circ}44'01''$; C/L S.apex white farmhouse 100 ft. in azimuth $169^{\circ}08'41''$.

X-1,438,883.43 Lat. $35^{\circ}19'14.4451''$ El.2006.026 ft.

Y- 728,473.87 Long. $99\ 52\ 51.2432$

13-B-70 TT 1936; Beckham Co., 14.4 mi.W.& 2.0 mi.N. of Sayre; 9.6 mi.N. & 1.0 mi.W.of Erick, via gravel road; 18 ft.S.& 34 ft.E. of approx. cor.sec.30,T10N,R25W; 86ft. S.& 10 ft.E. of creosoted fence cor.post NE of intersection. OSCC Marker. C/L N.apex grey farmhouse about 1 mi.in azimuth $307^{\circ}17'02''$; C/L W.apex grey farmhouse about $\frac{1}{2}$ mi.in azimuth $189^{\circ}17'29''$; C/L S.apex unpainted farm bungalow about $\frac{3}{4}$ mi. in azimuth $224^{\circ}32'42''$.

X-1,435,113.41 Lat. $35^{\circ}19'14.1323''$ El.2028.166 ft.

Y- 728,512.73 Long. $99\ 53\ 36.7358$

13-B-71 TT 1936; Beckham Co., 10.3 mi.N.& 1.0 mi.W. of Erick; 0.6 mi.S. of Mayfield Gin & School; 531 ft.N.& 32 ft.W. of approx. $\frac{1}{4}$ cor. to sec.24,T10N,R26W; 32 ft.W.of C/L N-S sec.line road on top of heavy brushed sand ridge. OSCC Marker. C/L SW cor.large red brick school bldg. about $\frac{1}{4}$ mi.in azimuth $230^{\circ}30'30''$; C/L W.apex 1 story white house about $1\frac{1}{2}$ mi.in azimuth $281^{\circ}13'30''$; C/L Erick watertower about 2 mi. in azimuth $350^{\circ}46'15''$.

X-1,435,089.06 Lat. $35^{\circ}19'46.6776''$ El. 2077.076 ft.

Y- 731,804.41 Long. $99\ 53\ 37.7747$

13-B-72 TT 1936; Beckham Co., 10.6 mi.N.& 1.7 mi.W.of Erick; 0.3 mi.S.& 1.7 mi.W. of Mayfield School & Gin; near NW cor.NE,NW,sec.24,T10N,R26W; 219 ft.E. of 40 acre cross fence to S; 64 ft.W. of blazed cottonwood tree S.of trail C/L; OSCC Marker. C/L Erick watertower in azimuth $346^{\circ}41'13''$. C/L E.apex white farm bungalow about $\frac{1}{4}$ mi.in azimuth $86^{\circ}44'48''$.

X-1,431,350.04 Lat. $35^{\circ}20'06.5132''$ El.2146.412 ft.

Y- 733,880.72 Long. $99\ 54\ 23.3626$

Mayfield (Beckham Co.Wm.Mussetter, 1927).-About $8\frac{1}{2}$ mi.N.& $2\frac{3}{4}$ mi.W.of Erick on highest point of hill at S.side of road; on land belonging to A.B. Whipkey; Hill is covered with scrub oak,clumps of which are quite prominent. To reach from Erick go W. $\frac{1}{2}$ mi. then N. for about 8.3 mi. to road which turns W. just S.of Mayfield; follow this road W. for about 2.2 mi.to top of hill, when station will be about 400 ft. to S. Station marks are standard disk station marks in concrete. Reference marks are standard reference disks in concrete. No.1 is 14.53 meters (47.7 ft.) from station in azimuth $25^{\circ}12'47''$. No.2 is 152.23 meters (499.4 ft.). $212^{\circ}17'56''$. CORRECTION: Mayfield Tri.Sta., is 10.6mi.N.& 2.2 mi.W.of Erick; 0.3 mi.S.& 2.2 mi. W.of Mayfield School & Gin; near center of W.line NE,NE,sec.23,T10N,R26W; C/L top Erick watertower in azimuth $22^{\circ}11'48''$; C/L top Texola,Texas Watertower in azimuth $28^{\circ}58'24''$; C/L S.apex white farmhouse about 1 mi.in azimuth $146^{\circ}22'24''$.

X-1,428,988.98 Lat. $35^{\circ}20'02.226''$ El.2189.569 ft.

Y- 733,491.86 Long. $99\ 54\ 51.764$

Traverse 19-A; Canadian & Grady Counties.

El. Reno East Base Tri.Sta. to Carson Tri. Sta.,
South Projection.

El Reno East Base (Canadian Co., A.L. Baldwin, 1900-1902).- In Sec.9,T11N,R7W; on land owned in 1936 by G.L.Newman. Surface mark is old style BM. disk set in & surrounded by 4 ft.square concrete block, stamped El.Reno E.B.; Underground mark is copper bolt set in limestone block about 4 ft. below the surface; Reference mark is a 50-d nail in terra-cotta pipe filled with and set in concrete. 20 ft. NE of NE cor.of Mr.Newman's peach orchard, on W.side of US.Hwy.#81; 277.20 meters (909.4 ft.) from station in azimuth $270^{\circ}44'16''$; Sec. cor. common to sections 9,10,15 & 16 is about 1,057 meters (3,468 ft.) from station in azimuth $344^{\circ}35'43''$.

X-2,017,867.10 Y-768,332.45 El. 1443.724 ft.

19-A-1 TT 1934; Canadian Co., 7.6 mi.S.along US Hwy.#81 from intersection of Madson & Rock Island Sts. El.Reno; 190.0 ft.S.& 47 ft.W. of NE cor.sec.16,T11N,R7W; USC&GS State Marker.

X-2,018,750.96 Y-764,797.98 El.1417.952 ft.

19-A-2 TT 1934; Canadian Co., 9.65 mi.S.along US Hwy.#81 from intersection of Madson & Rock Island Sts. El.Reno; 46.4 ft.E. of C/L of Hwy; 389.0 ft.S.& 46.0 ft. E.of NW cor.sec.27,T11N,R7W; USC&GS State Marker.

X-2,018,861.31 Y-754,008.14 El.1349.018 ft.

19-A-3 TT 1934; Canadian Co., 10.6 mi.S.along US Hwy.#81 from intersection of

Madson & Rock Island Sts., El Reno; 47.5 ft. W. of C/L of hwy; 169 ft. S. of NE cor. sec. 33, T11N R7W. USC&GS State Marker
 X-2,018,797.11 Y-748,945.23 El. 1320.455 ft.

19-A-4 TT 1934; Canadian Co., 11.0 mi. S. along US Hwy. #81, from intersection of Madson & Rock Island Sts., El Reno; in SW sec. 34, T11N R7W; 238 ft. W. C/L of CRI&P RR. 147.5 ft. S. of half sec. line, 3 ft. E. of W. R/W fence. USC&GS State Marker.
 X-2,019,187.64 Y-746,321.69 El. 1313.799 ft.

19-A-5 TT 1934; Canadian Co., 11.6 mi. S. along US Hwy. #81 from intersection of Madson & Rock Island Sts., El Reno; 135 ft. W. of C/L of hwy; in SW cor. sec. 34, T11N R7W; 99 ft. W. of C/L of CRI&P RR. USC&GS State Marker.
 X-2,019,932.94 Y-743,856.57 El. 1299.744 ft.

19-A-5A TT 1934; Canadian Co., 12.1 mi. S. along US Hwy. #81 from El Reno; 105 ft. E. from C/L of hwy; in sec. 3, T10N R7W; 1713 ft. N. of N. abutment of South Canadian Bridge; 2 ft. W. of E. R/W fence; car axle driven in ground extending about 6 inches above surface.
 X-2,021,473.89 Y-741,414.59 El.

19-A-5B TT 1934; Canadian Co., 13.7 mi. S. along US Hwy. #81 from El Reno; 3 ft. E. of hwy. F.A.P. monument on W. shoulder; at fourth expansion joint of concrete from PC. on curve approaching overpass; sec. 16, T10N R7W; 207 ft. E. of E. rail CRI&P RR. USC&GS State Marker.
 X-2,019,787.57 Y-731,605.32 El.

19-A-6 TT 1934; Canadian Co., 14.2 mi. S. along US Hwy. #81 from El Reno; in SW sec. 16, T10N R7W; 2365 ft. N. sec. line between secs. 16 & 21; 132 ft. W. of C/L CRI&P RR; 19.2 ft. E. of W. R/W fence; 154 ft. SE of Mr. Sturnis house. USC&GS State Marker.
 X-2,019,222.08 Y-730,307.22 El. 1295.640 ft.

19-A-7 TT 1934; Canadian Co., 15.1 mi. S. along US Hwy. #81 from El Reno; 36 ft. W. of C/L of hwy; 1343 ft. S. of NE cor. sec. 21, T10N R7W; USC&GS State Marker.
 X-2,017,190.76 Y-727,137.12 El. 1331.249 ft.

19-A-8 TT 1934; Grady Co., 30.0 ft. W. of curb on water well, city of Minco; in sec. 21, T10N R7W; 25.6 ft. E. of C/L US Hwy. #81, in row of trees; 40 ft. W. of highline. USC&GS State Marker.
 X-2,017,262.63 Y-723,758.77 El. 1289.921 ft.

19-A-9 TT 1934; Grady Co., 325 ft. N. of C/L of Main St., Minco; in sec. 28, T10N R7W; 30 ft. W. of C/L US Hwy. #81. USC&GS State Marker.
 X-2,016,707.30 Y-720,690.49 El. 1298.535 ft.

19-A-10 TT 1934; Grady Co., 995 ft. S. of C/L Main St., Minco; in sec. 28, T10N R7W; 31 ft. E. C/L US Hwy. #81 USC&GS State Marker.
 X-2,016,576.20 Y-719,379.14 El. 1297.042 ft.

19-A-11 TT 1934; Grady Co., 0.7 mi. S. from Minco; in NW sec. 33, T10N R7W; 15 ft. W. of $\frac{1}{4}$ sec. line; 44 ft. E. C/L US Hwy. #81; 24 ft. S. C/L E-W sec. line road; 12 ft. S. of headwall on culvert. USC&GS State Marker.
 X-2,015,199.04 Y-717,590.48 El. 1306.849 ft.

19-A-12 TT 1934; Grady Co., 1.05 mi. S. of Minco; in SW sec. 33, T10N R7W; 70 ft. S. of $\frac{1}{2}$ mi. line; 33 ft. E. C/L US Hwy. #81. USC&GS State Marker.
 X-2,013,943.54 Y-714,896.33 El. 1312.327 ft.

19-A-13 TT 1934; Grady Co., 3 mi. S. of Minco; in sec. 8, T9N R7W; 40 ft. W. C/L US Hwy. #81, in hwy. R/W. USC&GS State Marker.
 X-2,013,888.45 Y-705,863.14 El. 1415.331 ft.

Carson (Grady Co., W. Bowie, 1902-1921). About 3 mi. S. & 1 mi. W. of Minco, in sec. 8, T9N R7W; on property owned in 1902 by Kit Carson of Minco, on highest point of ridge 1651 ft. W. of C/L US Hwy. #81. Surface mark is standard disk station mark set in concrete (Not stamped). Old reference marks destroyed. Underground marks are malle in terra-cotta pipes filled with and set in concrete, notes 1 & 19.
 X-2,012,237.59 Y-706,108.15 El. 1429.466 ft.

Traverse 20 C; Grady & Caddo Counties.

19-A-6 TT 1934 to Packer Tri., Sta.
 South Projection.

19-A-6 TT 1934; Junction Station see Traverse 19-A.
 20-C-1 TT 1934; Grady Co., 1.2 mi. N. of Minco; in SE sec. 17, T10N R7W; 0.2 mi. N. of Highway Garage on OK Hwy. #41; 3 ft. W. of W. sec. road fence; 19 ft. W. of C/L of N-S sec. line road. USC&GS State Marker. C/L chimney white farmhouse about 850 ft. in azimuth 09°00'54". C/L chimney $1\frac{1}{2}$ story white farmhouse about 1.3 mi. in azimuth 116°47'34". C/L church steeple 6 mi. in azimuth 92°53'54".
 X-2,013,853.05 Lat. 35° 20'13.390" El. 1317.669 ft.
 Y- 729,209.00 Long. 97 57 12.805

20-C-2 TT 1934; Grady Co., 1 mi. N. & 1.5 mi. W. of W. edge of Minco; in SE cor. SW sec. 18, T10N R7W; 48 ft. N. C/L OK Hwy. #41; 41 ft. S. & 76 ft. E. of SE cor. 1 story red tile house; 3 ft. S. & 3 ft. W. of large fence post at cor. of field. USC&GS State Marker
 X-2,005,604.56 Lat. 35°20'03.607" El. 1340.253 ft.
 Y- 728,217.10 Long. 97 58 52.360

20-C-3 TT 1934; Grady Co., 1 mi. N. & 2.5 mi. W. of W. edge of Minco; in SW cor. SE

Traverse in Southwestern Oklahoma

- sec.13,T10N R9W; 54 ft.N.of C/L OK.Hwy.#41; 4 ft.N.of N.hwy.R/W fence; 4 ft.E.of N S.fenceUSC&GS State Marker. C/L Minco water tank in azimuth 297°15'07". C/L steeple German Lutheran Church in azimuth 98°01'47".
 X-2,000,328.80 Lat. 35°20'03.879" El.1400.391 ft.
 Y- 728,244.17 Long.98 00 03.968
- 20-C-4 TT 1934; Grady Co.,1 mi.N.& 3.7 mi.W.of W.edge Minco; in SW SW sec.14, T10N R9W; 0.3 mi.E.of cor.sec.15; 34 ft.N.of C/L OK.Hwy.#41; 16 ft.S.of N.hwy.R/W fence. USC&GS State Marker. C/L Minco water tank in azimuth 290°23'50". C/L steeple German Lutheran Church in azimuth 284°22'20". C/L chimney 1 story "T" shaped house about 2 mi.in azimuth 00°49'35".
 X-1,994,472.16 Lat. 35°20'03.798" El.1449.699 ft.
 Y- 728,236.40 Long.98 01 06.714
- 20-C-5 TT 1934; Grady Co.,1 mi.N.& 4.9 mi.W.of W.edge of Minco; in NW sec.22, T10N R9W; 529 ft.E.of SE cor.sec.16; 109 ft.S.of C/L OK.Hwy.#41; located in pasture on side of slope. C/L chimney 1 story "T" shaped house about 2 mi.in azimuth 343°32'25". C/L chimney 1½ story "T" shaped house about 1 mi.in azimuth 37°25'05". C/L steeple on German Lutheran Church about ¼ mi.in azimuth 162°02'35".
 X-1,987,869.82 Lat. 35°20'02.774" El.1449.814 ft.
 Y- 728,134.81 Long.98 02 26.396
- 20-C-6 TT 1934; Grady Co.,1 mi.N.& 5.7 mi.W.of W.edge of Minco; in SW¼ sec.16 T10N R9W; 252 ft.W.of ½ cor.S.line sec.16; on OK.Hwy.#41; 47.5 ft.N.of C/L hwy. & 2.5 ft.S.of N.R/W fence. USC&GS State Marker. C/L chimney 1½ story "T" shaped house about 1 mi.in azimuth 04 48'10". C/L steeple German Lutheran Church about ¾ mi.in azimuth 238°42'00". C/L chimney on 1 story "T" shaped house about 2 mi.in azimuth 335°17'30".
 X-1,984,285.60 Lat. 35°20'04.370" El.1426.102 ft.
 Y- 728,297.91 Long.98 03 09.654
- 20-C-7 TT 1934; Grady Co.,1 mi.N.& 7.6 mi.W.of W.edge of Minco; in NW sec.19, T10N R9W; 264 ft.W.of ¼ cor.S.line sec.18; 3 ft.N.of S.R/W fence & 47 ft.S.of C/L OK.Hwy.#41; on peak of 12 ft.sand rock cut. USC&GS State Marker. C/L chimney 1 story "T" shaped brown house about 2 mi.in azimuth 124°28'20". C/L steeple on German Lutheran Church 2 mi.in azimuth 261°44'00". C/L Minco watertower in azimuth 280°29'20".
 X-1,973,772.42 Lat. 35°20'02.621" El.1484.287 ft.
 Y- 728,128.29 Long.98 05 16.533
- 20-C-8 TT 1934 TT 1934; Caddo Co.,1 mi.N.& 8.8 mi.W.of W.edge of Minco; in SW sec.13,T10N R9W; 0.2 mi.E.& 47.5 ft.N.of SE cor.sec.14; 47.5 ft.N.of C/L OK.Hwy.#41 2.5 ft.S.of N.R/W fence. USC&GS State Marker. C/L steeple German Lutheran Church in azimuth 264°39'45". C/L Minco water tank in azimuth 279°09'05".
 X-1,967,043.39 Lat. 35°20'03.314" El.1520.673 ft.
 Y- 728,205.07 Long.98 06 37.744
- 20-C-9 TT 1934; Caddo Co.,1 mi.N.& 10.45 mi.W.of W.edge of Minco; in NE sec. 22,T10N R9W; 250 ft.E.of ¼ cor.S.line sec.15; on S.side OK.Hwy.#41, 47 ft.S.of C/L & 3 ft.N.of S.R/W fence. USC&GS State Marker. C/Lsmoke stack of Cogar Cotton Gin in azimuth 66°50'15". C/L steeple German Lutheran Church in azimuth 265°54'55".
 X-1,958,769.55 Lat. 35°20'01.786" El.1517.215 ft.
 Y- 728,060.78 Long.98 08 17.705
- 20-C-10 TT 1934; Caddo Co.,1 mi.N.& 12.2 mi.W.of W.edge of Minco; in SE sec. 17,T10N R9W; 47 ft.N.of C/L OK.Hwy.#41; 3 ft.S.of large fence post on N.R/W fence; 0.2 mi.W.& 47 ft.N.of SE cor.sec.17. USC&GS State Marker. C/L 20-E-1 1934 in azimuth 102°59'20". C/L steeple on German Lutheran Church in azimuth 267°09'06". C/L Cogar gin smoke stack in azimuth 281°41'00". C/L chimney on T shaped house about 1 mi.in azimuth 332°34'15".
 X-1,949,404.00 Lat. 35°20'03.112" El.1598.232 ft.
 Y- 728,209.04 Long.98 10 10.629
- 20-C-11 TT 1934; Caddo Co.,12.0 mi.W.of W.edge of Minco; in SW sec.21,T10N R9W 0.15 mi.N.of SE cor sec.20; 23 ft.E.of C/L Co.road; 2 ft.W.of E.R/W fence. USC&GS State Marker.
 X-1,950,673.02 Y-723,694.99 El.1595.702 ft.
- 20-C-12 TT 1934; Caddo Co.,12 mi.W.& 0.65 mi.S.of W.edge of Minco; in SE sec. 29,T10N R9W; 2.5 ft.E.of W.R/W fence; 22.5 ft.W.of C/L sec.road; 90 ft.NE of NE cor. of corn crib; on E-W barn lot fence. USC&GS State Marker.
 X-1,950,644.33 Y-719,740.89 El.1549.533 ft.
- 20-C-13 TT 1934; Caddo Co.,12 mi.W.& 0.94 mi.S.of W.edge of Minco; in SW sec. 28,T10N R9W; on peak of 7 ft.sand rock cut; 2 ft.W.of E.R/W fence & 23 ft.E.of C/L sec.line road; 120 ft.N.of E-W sec.line road. USC&GS State Marker.
 X-1,950,720.85 Y-717,747.52 E 1.1508.468 ft.
- 20-C-14 TT 1934; Caddo Co.,12.mi.W.& 1.85 mi.S.of W.edge of Minco; in SE ¼ of sec.32,T10N R9W; on highest point of hill direct in line with N-S sec.line fence from top of hill S; 0.15 mi.N.& 30 ft.W.of SE cor sec.32. USC&GS State Marker C/L chimney 2 room house about 0.2 mi.in azimuth 337°56'50".
 X-1,950,723.52 Y-713,162.93 El.1439.135 ft.
- 20-C-15 TT 1934; Caddo Co.,12 mi.W.& 2.15 mi.S.of W.edge of Minco; in NE sec. 5,T9N R9W; 3 ft.W.of W.R/W fence; 3 ft.S.of E-W fence; 5 ft.W.of 5" blackjack; 60

ft. SW of mail box of Chas. Seel; 0.15 mi. S. & 27 ft. W. of SE cor. sec. 32. USC&GS State Marker. C/L chimney on 2 room house about 0.2 mi. in azimuth 204°36'55".

X-1,950,671.92 Y-711,420.31 El. 1432.078 ft.

20-C-16 TT 1934; Caddo Co., 12 mi. W. & 2.8 mi. S. of W. edge of Minco; in SW₄ sec. 4, T9N R9W; 3 ft. W. of E. R/W fence; 22 ft. E. of C/L N-S sec. line road; 0.2 mi. N. & 22 ft. E. of SE cor. sec. 5. USC&GS State Marker.

X-1,950,599.61 Y-708,455.25 El. 1440.572 ft.

20-C-17 TT 1934; Caddo Co., 12.0 mi. W. & 3.4 mi. S. of W. edge of Minco; in SE NE sec. 8, T9N R9W; 2 ft. E. of W. R/W fence; 24 ft. W. of N-S sec. line road; 0.4 mi. S. of SE cor. sec. 5. USC&GS State Marker.

X-1,950,556.69 Y-704,659.42 El. 1446.899 ft.

See Packer Tri. Sta. Junction Station Traverse 21-B.

Traverse 20-D. Grady County.
21-A-12 TT 1934 to 29-A-11 TT 1934.
South Projection.

See 21-A-12 TT 1934; Junction Station.

20-D-1 TT 1934; Grady Co., in NE cor. of school yard of the northwest school at Chickasha; 193.6 ft. N. & 77.9 ft. E. of NE cor. of school bldg.; 8.3 ft. S. of N. property line fence. USC&GS State Marker. C/L chimney 1 story square topped yellow house about 1½ mi. in azimuth 167°34'06". SE cor. top of brick school house about 300 ft. SW of 20-D-1 in azimuth 16°42'26".

X-2,015,572.10 Y-628,199.85 El. 1093.714 ft.

20-D-2 TT 1934; Grady Co., at exact center of intersection of 12th & Chickasha Ave.; encased by 10" lamp hole casting. USC&GS State Marker. Top Pyramidal shaped roof on 2 story white frame house facing S. on Chickasha Ave. in azimuth 245°42'57". Most northerly SE edge, about midway between bottom & top SW side Okla. Nat'l Bank Bldg. in azimuth 269°07'32".

X-2,015,576.21 Y-625,134.80 El. 1116.146 ft.

20-D-3 TT 1934; Grady Co., in exact C/L intersection of Chickasha Ave. & 4th St. Chickasha; is set over an unidentified mark which is 1 3/4" steel bar; 58.3 ft. E. & 276.2 ft. S. of USC&GS BM. D-41 in Post. Office Bldg. cor. stone; encased by lamp hole in pavement. USC&GS State Marker.

X-2,018,984.43 Y-625,138.82 El. 1091.346 ft.

20-D-4 TT 1934; Grady Co., in C/L of 4th St. & 175.97 ft. S. of C/L Florida Ave. Chickasha. Encased by lamp hole in the pavement. USC&GS State Marker.

X-2,018,997.17 Y-620,903.13 El. 1114.519 ft.

20-D-5 TT 1934; Grady Co., 1.45 mi. S. of intersection of Chickasha Ave. & 4th St. Chickasha; in NW¼ sec. 3, T6N R7W; 91 ft. E. of E. edge of pavement of US Hwy. #81; 56 ft. N. & 28.1 ft. W. of NW cor. stone house belonging to C.C. Chastain. USC&GS State Marker.

X-2,016,668.64 Y-616,828.23 El. 1143.055 ft.

20-D-6 TT 1934; Grady Co., 2.4 mi. S. of intersection of Chickasha Ave. & 4th St. Chickasha; 17.2 ft. W. of W. edge of pavement of US Hwy. #81 & 5.8 ft. E. of W. R/W fence; 41 ft. N. of C/L of driveway of H.C. Dies. USC&GS State Marker.

X-2,019,557.18 Y-611,327.87 El. 1168.550 ft.

20-D-7 TT 1934; Grady Co., 3.35 mi. S. of intersection of Chickasha Ave. & 4th St. Chickasha; in sec. 15, T6N R7W; on E. side of US Hwy. #81; 26 ft. E. of E. edge of pavement & opposite S. yard fence of Mr. Brennon; 18 ft. S. of S. side of Mr. Brennon's house & 1800 ft. N. of C/L of OK Hwy. #19; 838 ft. S. of S. line sec. 10. USC&GS State Marker.

X-2,019,633.20 Y-605,847.88 El. 1178.295 ft.

THM a; Rivet set in concrete on S. end W. headwall, double 9' x 9' conc. box culvert 885 ft. S. of sec. cor., 3.7 mi. S. of Chickasha.

El. 1361.986 ft.

20-D-8 TT 1934; Grady Co., 4.85 mi. S. of intersection Chickasha Ave., & 4th St. Chickasha; in sec. 21, T6N R7W, 1290 ft. N. of S. line; 26 ft. W. of W. edge pvt. US Hwy. #81; 7.2 ft. E. of W. R/W fence; USC&GS & STATE Marker. C/L top of steeple on W. end church, Ninnekah, in azimuth 344°14'55".

X-2,019,572.11 Y-597,358.06 El. 1160.125 ft.

20-D-9 TT 1934; Grady Co., 6.1 mi. S. of intersection 4th St., & Chickasha Ave., Chickasha; in sec. 34, T6N R7W; 305.0 ft. S. of S. leg of Wye, US Hwy. #277; 21.9 ft. E. of E. edge pvt. US Hwy. #81; 3.8 ft. W. of E. Hwy fence; 5 ft. S. of drive into farm owned by Chickasha Nat'l Bank and rented by G. W. Hughes. USC&GS & State Marker. C/L chimney unpainted 1 story frame house V. shaped roof, in azimuth 07°00'41".

X-2,019,657.66 Y-590,224.62 El. 1112.917 ft.

20-D-10 TT 1934; Grady Co., 6.45 mi. S. of intersection 4th St. & Chickasha Ave., Chickasha; in sec. 4, T5N R7W; on E. side US Hwy. #81, at intersection of W. edge of pvt. to N. (prod.) & S. edge of pvt. to W. (prod.); 1165.5 ft. E. of E. end bridge over Little Washita River; 33.0 ft. S. of C/L road to Ninnekah; iron pipe 1½" x 17" buried 9" under surface of ground.

X-2,019,244.88 Y-588,128.97 El. 1083.639 ft.

20-D-11 TT 1934; Grady Co., 7.8 mi. S. of intersection 4th St. & Chickasha Ave.,

- Chickasha; in sec.5,T5N,R7W; at intersection of S.edge of pvmt.(prod.) & W.edge of pvmt. to S.(prod.); 40.0 ft.N.of C/L driveway and 40.0 ft.E.of front yard fence to home of A. S. Wright. USC&GS & State Marker. C/L S. gable unpainted frame T-shaped house facing NW in azimuth 240°27'04"; C/L S.gable on CRI&P RR depot, Ninnekah, in azimuth 229°16'09".
 X- 2,014,306.23 Y- 582,467.99 El. 1107.078 ft.
 20-D-12 TT 1934; Grady Co., 9.25 mi.S.of intersection of 4th. St. & Chickasha Ave., Chickasha; in sec.16,T5N,R7W; 816.0 ft. S.of S.line sec.9; 31.6 ft. E. of E. edge of pvmt. JS Hwy.#81; 1.8 ft.E. of E. R/W fence. USC&GS & State Marker. C/L S. gable 1 story yellow T-shaped frame house in azimuth 261°39'12"; C/L S. gable 1 story white frame house in azimuth 319°21'27".
 X- 2,014,399.61 Y- 574,098.96 El. 1255.688 ft.
 20-D-13 TT 1934; Grady Co., 9.95 mi.S. of intersection 4th.St., and Chickasha Ave., Chickasha; in sec.20,T5N,R7W; 21.3 ft.W.of W. edge of pvmt. US Hwy.#81; 9.5 ft. E.of W.R/W fence; 500 ft.N. of S.line sec. 20, USC&GS & State Marker.
 X-2,014,339.70 Y-570,115.07 El. 1281.288 ft.
 20-D-14 TT 1934; Grady Co., 10.3 mi.S. of intersection of 4th. St., & Chickasha Ave., Chickasha; iron pin on E. side US Hwy.#81; 15.0 ft.E. of E. edge of pvmt. 125.6 ft. S. of C/L of driveway into farm of H. Well. USC&GS & State Marker.
 X-2,014,393.11 Y-567,924.57 El. 1272.106 ft.
 20-D-15 TT 1934; Grady Co., 10.9 mi.S. of intersection 4th. St., and Chickasha Ave., Chickasha; 7.0 mi.N. of intersection Blakely St., & US Hwy.#81 at Rush Springs; in sec. 20,T5N,R7W; on W. side US Hwy.#81; 34.4 ft. W. of W. edge of pvmt., 12 ft. E. of W. R/W fence. USC&GS & State Marker. S. gable 2 story green house about 1 mi. in azimuth 128°06'22"; N. gable of Agawam Schoolhouse in azimuth 12°42'39".
 X-2,014,320.03 Y-564,613.93 El. 1249.079 ft.
 20-D-16 TT 1934; Grady Co., 11.65 mi.S. of intersection 4th. St., Chickasha Ave., Chickasha; 6.25 mi.N. of Blakely St., & US Hwy.#81 at Rush Springs; in sec. 28, T5N,R7W; 24.3 ft. E. of E. edge of pvmt. US Hwy.#81; 6.0 ft. W. of E. R/W fence. USC&GS & State Marker. C/L top W. gable 2 story yellow section house in azimuth 15°00'30"; C/L NE chimney 2 story brick Agawam Schoolhouse in azimuth 270°02'30".
 X-2,014,931.19 Y-560,350.01 El. 1225.877 ft.
 20-D-17 TT 1934; Grady Co., 13.0 mi.S. of intersection of Chickasha Ave., & 4th St., Chickasha; 4.9 mi.N. of intersection of Blakely St. & US Hwy.#81 at Rush Springs; 90 ft.W. of W. edge of pvmt. US. Hwy.#81; 132.5 ft.S. of N. end of curve to W. on sandy ridge covered with blackjacks; 52.8 ft.N. of cross fence W. USC&GS & State Marker. C/L S. gable 1 story yellow frame house in azimuth 243°56'13".
 X-2,014,818.82 Y-552,620.78 El. 1321.566 ft.
 20-D-18 TT 1934; Grady Co., 13.6 mi.S. of intersection of Chickasha Ave., and 4th St., Chickasha; 4.3 mi.N. of intersection of Blakely St. & US Hwy.#81, Rush Springs; in sec.5,T4N,R7W; 30.1 ft. E.of E. edge of US Hwy.#81; 21. ft. N. of S. end of curve to E. USC&GS & State Marker. C/L chimney 1 story frame house in azimuth 35°55'28"; C/L chimney 1 story red T-shaped house in azimuth 129°09'08".
 X-2,013,195.29 Y- 549,821.33 El. 1338.538 ft.
 20-D-19 TT 1934; Grady Co., 14.5 mi.S. of Chickasha Ave., & 4th St. Chickasha; 223 ft. W. of W. edge of US Hwy.#81, at point 3.4 mi.N. of its intersection with Blakely St., Rush Springs; in sec. 5,T4N,R7W; 214.4 ft. N. of house owned by Mr. Howell and rented by Mr. Younghood. USC&GS & State Marker. C/L gable 1 story frame house in azimuth 39°48'56"; C/L chimney 1 story unpainted T-shaped house in azimuth 160°18'36".
 X-2,010,408.05 Y-545,415.19 El. 1385.680 ft.
 20-D-20 TT 1934; Grady Co., 15.1 mi.S. of intersection of Chickasha Ave., and 4th. St., Chickasha; 2.8 mi.N. of intersection of Blakely Ave., & US Hwy.#81, Rush Springs; in sec. 18,T4N,R7W; 62.0 ft. W. of W. edge of pvmt. of hwy. 403.7 ft. S. of E-W fence; steel pin set in cotton patch. C/L chimney 1 story frame house with green roof in azimuth 36°24'53"; C/L chimney 1 story T-shaped unpainted house in azimuth 200°44'53".
 X-2,008,848.38 Y-542,475.99 El. 1411.856 ft.
 20-D-21 TT 1934; Grady Co., 15.5 mi.S. of intersection of Chickasha Ave., & 4th. St. Chickasha; 34.7 ft. W. of W. edge of pvmt. US Hwy.#81 at point 2.4 mi.N. of its intersection with Blakely St. Rush Springs; 4.6 ft. W. of W. R/W fence; at approx. PC of curve to W; in sec. 18,T4N.R7W; 28 ft. S. of MP 453 plus 13 poles on CRI&P RR. USC&GS & State Marker. C/L brick chimney white 1 story house in azimuth 176°16'01"; C/L W. chimney white T-shaped house in azimuth 237°59'04".
 X-2,008,942.12 Y-540,196.78 El. 1404.123 ft.
 20-D-22 TT 1934; Grady Co., 16.7 mi.S. of intersection of Chickasha Ave., & 4th St., Chickasha; 25.7 ft. E. of E. edge of pvmt., US Hwy. #81 at point 1.2 miles N. of its intersection with Blakely St., Rush Springs; in sec. 20,T4N.R7W; 119.5 ft. W. of C/L track CRI&P RR; 56.0 ft. S. of MP 454 plus 22 poles. USC&GS and State Marker. Centerline W. chimney 2 story yellow house in azimuth 275°24'10"; C/L of chimney on 2 story T-shaped house in azimuth 278°44'00".
 X-2,011,163.24 Y-533,818.53 El. 1355.121 ft.

- crooked oak tree; 39 ft.W.of W.end of cut; USC&GS & State Marker. C/L chimney 2 room house about 2 mi.in azimuth $49^{\circ}39'00''$;
- X- 1,928,310.48 Lat. $35^{\circ}18'29.593''$
 Y- 718,796.26 Long. 98 14 24.930 El. 1476.572 ft.
- 20-E-11 TT 1934; Caddo Co., 1 mi.N, 18.8 mi.W. of Minco; 0.2 mi.S., 28 ft.W. of NE cor.sec.33,T10N,R10W; 234 ft.N.of C/L OK Hwy.#41; 28 ft.W.of C/L sec.line road; 2 ft.E.of W. sec.line fence; USC&GS & State Marker. C/L S. chimney unpainted T-shaped farmhouse about $1\frac{1}{4}$ mi.in azimuth $44^{\circ}32'20''$;
- X- 1,924,331.62 Lat. $35^{\circ}18'05.089''$
 Y- 716,328.35 Long. 98 15 12.860 El. 1388.481 ft.
- 20-E-12 TT 1934; Caddo Co., 1 mi.N. 20 mi.W.of Minco; in NE, sec.4,T9N.R10W; 498 ft.N. of C/L OK Hwy.#41; on line with W.edge of pvmt. produced; along N-S $\frac{1}{2}$ sec. line fence; in black jack pasture; USC&GS & State Marker. C/L chimney 2 room white house about $1\frac{1}{4}$ mi.in azimuth $77^{\circ}26'25''$; C/L S. chimney T-shaped house about $\frac{1}{4}$ mi.in azimuth $107^{\circ}32'15''$; C/L cross on Catholic Church about $\frac{1}{4}$ mi. in azimuth $350^{\circ}15'35''$.
- X- 1,921,741.52 Lat. $35^{\circ}17'20.416''$
 Y- 711,818.20 Long. 98 15 43.965 El. 1465.646 ft.
- 20-E-13 TT 1934; Caddo Co., 1 mi.N. 22.4 mi.W. of Minco; in SW sec.31,T10N.R10W; 417 ft. W. of $\frac{1}{2}$ sec. line fence; 48 ft. S. of C/L OK Hwy.#41; 2 ft. N. of S. R/W fence. USC&GS & State Marker. Top of ladder, Binger water tank, about 2 mi. in azimuth $108^{\circ}20'30''$; C/L S. chimney T-shaped house about $1\frac{3}{4}$ mi. in azimuth $280^{\circ}52'30''$; C/L cross on Catholic Church about 2 mi.in azimuth $286^{\circ}05'50''$.
- X- 1,910,784.00 Lat. $35^{\circ}17'38.585''$
 Y- 713,685.81 Long. 98 17 56.212 El. 1435.473 ft.
- 20-E-14 TT 1934; Caddo Co., 1 mi.N. 23.8 mi.W. of Minco; in SW,NW, sec. 36, T10N,R11W; 42 ft.S. of C/L OK Hwy.#41; 19 ft.SW of high tension pole at E. end of curve; 0.18 mi.SE of N-S sec.line road; 187 ft.N. of E-W $\frac{1}{2}$ sec.line fence. USC&GS & State Marker. E. gable tin barn about $\frac{1}{2}$ mi.in azimuth $9^{\circ}00'35''$; top of C/L Congregational Church Steeple in Binger in azimuth $115^{\circ}01'45''$; top of ladder on N.side of tank in Binger in azimuth $105^{\circ}56'40''$.
- X- 1,904,170.02 Lat. $35^{\circ}17'54.062''$
 Y- 715,270.89 Long. 98 19 16.046 El. 1327.515 ft.
- 20-E-15 TT 1934; Caddo Co., 1 mi.N, 24.45 mi.W. of Minco; in SE,SE, sec.26, T. 10N,R11W; 28 ft.W. of C/L OK Hwy.#41; 69 ft.N. of C/L E-W sec.line road; $34\frac{1}{2}$ ft. NE of highline pole; USC&GS & State Marker. C/L steeple Congregational Church, Binger in azimuth $96^{\circ}44'00''$; top of ladder on N.side Binger water tank in azimuth $98^{\circ}11'00''$.
- X- 1,901,949.68 Lat. $35^{\circ}18'18.925''$
 Y- 717,791.94 Long. 98 19 42.930 El. 1299.575 ft.

13-A-56 TT 1934; Junction Station. See Traverse 13-A.

Traverse 21-A; Grady and Caddo Counties.
 Carson Tri., Sta., to Albert Tri., Sta.,
 South Projection.

Carson (Grady County, W.Bowie, 1902). About 3 mi.S. & 1 mi.W. of Minco, in sec. 8,T9N,R7W; on property owned in 1902 by Kit Carson of Minco; on highest point of ridge; $\frac{3}{4}$ mi.W. of CRI&P Ry. Surface and Underground marks are nails in terra-cotta pipes filled with and set in concrete, notes 17 & 19. Reference mark is nail in terra-cotta pipe filled with and set in concrete, note 21, near fence line, 275.776 meters (904.78 ft.) from station in azimuth $179^{\circ}41'10''$. Other distances and azimuths from station are as follows: Old boundary post of Oklahoma-Indian Territory boundary line, 392.2 meters (1306 ft.) $135^{\circ}22'03''$. Stone at quarter sec. cor.5&8,T9N.R7W; 410.3 meters (1346 ft.) $134^{\circ}40'27''$; Old boundary post is 8" cottonwood post with top squared projecting 3 or 4 ft.& surrounded by mound of earth. Station identical with Carson azimuth station and Carsor latitude station.

- X- 2,012,237.59 Y-706,108.15 El. 1429.466 ft.
- 21-A-1 TT 1934; Grady Co., In sec. 20,T9N.R7W; 16.6 mi.N. of P.O. Chickasha; 5.5 mi.N. of P.O. Pocassett; (car speedometer US Hwy.#81); 3 ft.E. of W. R/W fence; 0.2 mi.S. of Sta. 19-A-13 which is at top of highest hill between El Reno and Chickasha.
- X- 2,013,888.56 Y- 704,888.53 El. 1409.215 ft.
- 21-A-2 TT 1934; Grady Co., 205 ft.N. of $\frac{1}{4}$ cor. sec.29,T9N.R7W; 14.5 mi.N. of P.O. Chickasha; 3.2 mi.N. of P.O. Pocassett; 24 ft.W. of C/L US Hwy.#81; 0.5 mi.S. of Harold School District #4 in azimuth $182^{\circ}13'45''$; Smoke stack Indianoma Gin, Pocassett, in azimuth $358^{\circ}13'29''$.
- X- 2,013,882.16 Y- 694,050.82 El. 1248.406 ft.
- 21-A-2 A; Grady Co., 3 mi.N. of P.O. Pocassett; NE cor. E. headwall of culvert 400 ft.S.of 1st. sec. line S. of 21-A-2. El. 1223.297 ft.
- 21-A-3 TT 1934; Grady Co., S.side of sec. 28; 12 mi.N. of P.O. Chickasha; 40.6 ft. E. of C/L US Hwy.#81; 119 ft.N. of C/L sec.line road; 1 ft.E. of E.R/W fence; on property of Mr. Shipp; 40 ft.N. of his concrete block house; Indianoma Cotton Gin Stack Pocassett in azi. $358^{\circ}57'22''$; Chickasha water tank in azi. $355^{\circ}32'17''$.
- X- 2,013,969.70 Y- 686,050.42 El. 1219.580 ft.

- 21-A-4 TT 1934; Grady Co., 160 ft. W. of CRI&P Depot in Pocasset at N. end of alley E. of Main St.; 169 ft. E. of C/L US Hwy. #81; in fence line at S. end of dug lake 50' x 200'; directly N. of cotton gin on N. side of St. leading to CRI&P Depot; 0.3 mi. N. of Pocasset. Indianoma Cotton Gin stack at Pocasset in azimuth 355°32'35".
 X-2,014,269.52 Y-678,824.05 El. 1197.074 ft.
- 21-A-5 TT 1934; Grady Co., Sec. 9, T&N R7W; 1.7 mi. S. of center of Pocasset, on US Hwy. #81 at S. tangent of first reverse curve S. of Pocasset. Church steeple in W. edge of Pocasset in azimuth 160°06'00". Church steeple in N. side of Amber in azimuth 301°16'59". C/L Chickasha watertower in azimuth 352°41'29".
 X-2,014,341.00 Y-674,101.08 El. 1187.540 ft.
- 21-A-6 TT 1934; Grady Co., near $\frac{1}{2}$ sec. cor., sec. 17, T&N R7W; 1.8 mi. S. of center of Pocasset; 9.4 mi. N. of P.O. Chickasha; 47 ft. W. of C/L US Hwy. #81; 2 ft. E. of W.R/W fence; approx. 500 ft. N. of farm home of Mr. Marlow; W. edge of S. elevator in Amber in azimuth 280°55'46". Church steeple in N. side of Amber in azimuth 278°40'42". Church steeple in W. edge of Pocasset in azimuth 172°30'06".
 X-2,014,254.12 Y-668,747.02 El. 1181.411 ft.
- 21-A-7 TT 1934; Grady Co., Sec. 20, T&N R7W; 3.2 mi. S. of center of Pocasset; 8.1 mi. N. of P.O. Chickasha; (Speedometer via US Hwy. #81); 17 ft. N. of C/L US Hwy. #81, on first curve 1200 ft. W. of creek bridge; 50 ft. SW of P.O. of curve; 10 ft. NW of edge of pavement. Chimney of stone house 1 mi. E. of US Hwy. #81 in azimuth 297°34'15". Chimney of white frame house 1 mi. in azimuth 68°15'20".
 X-2,011,930.40 Y-661,634.72 El. 1170.345 ft.
- 21-A-8 TT 1934; Grady Co., 1200 ft. S. of N. edge of sec. 32, T&N R7W; 5 mi. S. of Pocasset; 6.3 mi. N. of P.O. Chickasha; 45 ft. E. of C/L US Hwy. #81.
 X-2,011,694.03 Y-653,036.49 El. 1185.279 ft.
- 21-A-9 TT 1934; Grady Co., 2000 ft. S. of N. line of sec. 8, T7N R7W; 4.2 mi. N. of Chickasha; 37 ft. E. of C/L US Hwy. #81.
 X-2,011,677.45 Y-641,748.46 El. 1145.066 ft.
- 21-A-10 TT 1934; Grady Co., 3.3 mi. NW of Chickasha; in sec. 8 T7N R7W; approx. 2000 ft. NW of Washita River Bridge on N. side of US Hwy. #81; opposite farm drive on S.; 2119.18 ft. S. of station 21-A-9; Chickasha watertower in azimuth 348°59'54".
 X-2,011,993.25 Y-659,653.55 El. 1132.394 ft.
- 21-A-11 TT 1934; Grady Co., 2.7 mi. N. of Chickasha; in sec. 21, T7N R7W; 30 ft. E. of C/L US Hwy. #81, opposite E. C. of first curve N. of CRI&P tracks; 3 ft. inside hwy. E/W. C/L knob Chickasha Cotton Oil water tower in azimuth 324°19'38". SE cor. of S. chimney on yellow frame house $\frac{1}{2}$ mi. S. of hwy. in azimuth 70°50'18".
 X-2,014,318.35 Y-654,606.19 El. 1097.039 ft.
- 21-A-12 TT 1934; (K-36-1934); Grady Co., 1.7 mi. N. of P.O. Chickasha in sec. 20, T7N R7W; 29 ft. W. of C/L US Hwy. #81; 60 ft. SW of hwy. crossing; 30 ft. S. of S. rail of CRI&P track; C/L Chickasha Cotton Oil Watertower in azimuth 300°54'15". C/L Chickasha Municipal watertower in azimuth 350°36'19".
 X-2,014,233.46 Y-629,736.15 El. 1092.222 ft.
- 21-A-13 TT 1934; Grady Co., 1 mi. W. of Chickasha; SW of sec. 20, T7N R7W; 56 ft. S. of C/L US Hwy. #62; 27 ft. E. of C/L of sec. road; 33 ft. N. of guyed post of power line in S.R/W fence line; 132.29 ft. S. of S. rail of CRI&P track; C/L Chickasha Cotton Oil watertower in azimuth 292°18'44". C/L Chickasha Municipal watertower in azimuth 329°14'27".
 X-2,009,013.02 Y-630,776.01 El. 1092.178 ft.
- 21-A-14 TT 1934; Grady Co., 1.8 mi. W. of Chickasha in sec. 19, T7N R7W; 83 ft. S. of C/L US Hwy. #62 at East P.T. of curve; 105 ft. E. of guyed pole on CRI&P R/W & 115 ft. S. of S.R/W fence. 235 ft. W. of MP. 2-25 (CRI&P): C/L Chickasha Cotton Gin water tower in azimuth 290°02'16". C/L Chickasha Municipal water tower in azimuth 319°11'16".
 X-2,005,175.48 Y-631,573.03 El. 1102.335 ft.
- 21-A-15 TT 1934; Grady Co., Approx. 3 mi. W. of Chickasha; sec. 13, T7N R&W; 32.5 ft. S. of C/L US Hwy. #62; 58.5 ft. N. of S. Hwy. R/W fence; N. fence of farm house of Geo. Lucas; 28 ft. E. of sec. line; 99.515 ft. S. of S. rail of CRI&P track; 150 ft. W. of CRI&P MP. 4-5; 25 ft. E. & 40 ft. N. of SW cor. sec. 13. C/L Chickasha Municipal watertower in azimuth 310°21'24". NW cor. chimney on white frame school house about 1.75 mi. in azimuth 78°31'57".
 X-1,998,583.57 Y-633,839.20 El. 1106.557 ft.
- 21-A-16 TT 1934; Grady Co., 4 mi. E. of Verden in sec. 15, T7N R&W; 21.5 ft. N. of C/L US Hwy. #62; 18 ft. W. of W. headwall on concrete triple box culvert; 313 ft. W. of CRI&P MP. 5-20; 9 ft. S. of S. CRI&P R/W fence on slope of N. berm of US Hwy. #62. C/L Chickasha Municipal watertower in azimuth 304°53'41". SE cor. of S. chimney of white frame house 1 mi. in azimuth 182°29'11".
 X-1,990,906.87 Y-636,538.64 El. 1114.560 ft.
- 21-A-17 TT 1934; Grady Co., 2 mi. E. of Verden in sec. 9, T7N R&W; 300 ft. N. of C/L US Hwy. #62; 8 ft. S. of N. CRI&P R/W fence; 43 ft. N. of S. rail CRI&P track; 250 ft. W. of CRI&P MP. 6-25; on top of cut half way between 2 guyed poles, CRI&P R/W; 450 ft. W. of C/L of road to Mr. Jones farmhouse N. of tracks. C/L Chickasha Municipal water tower in azimuth 302°16'12". C/L Verden Municipal water tower in azimuth 76°05'52".
 X-1,985,197.20 Y-638,491.55 El. 1136.839 ft.

21-A-18 TT 1934; Grady Co., Approx. 1 mi. E. of Verden; 70 ft. N. & 30 ft. E. of SE cor. sec. 8, T7N R9W; 6.92 ft. N. of N. rail on shoulder of CRI&P R/W; 75 ft. W. & 45 ft. N. of CRI&P MP. 8-10; 8 ft. E. of N. cattle guard; 33 ft. E. of C/L dirt sec. line road; 9 ft. E. of N. S. R/W fence on road. Point of N. gable of unpainted frame house on top of red hill about .25 mi. in azimuth 345°41'53". C/L Verden Municipal watertower tank in azimuth 60°24'50".

X-1,977,526.25 Y-637,809.79 El.1132.465 ft.

21-A-19 TT 1934; Caddo Co., W. edge of Verden in sec. 13, T7N R9W; 14.53 ft. S. of N. rail of CRI&P track; 63.53 ft. W. abutment CRI&P bridge #94; directly N. of office of Prairie Cotton Gin on S. shoulder of CRI&P road bed. Left edge of ladder on top of Verden Municipal water tank in azimuth 315°44'47". Point of N. gable of Prairie Gin in Verden in azimuth 44°17'32".

X-1,972,132.22 Y-637,296.25 El.1136.190 ft.

21-A-20 TT 1934; Caddo Co., $\frac{1}{2}$ mi. W. of W. edge of Verden in sec. 14, T7N R9W; 14.093 ft. S. of N. rail of CRI&P tracks; 8 ft. W. of C/L of small dirt road. C/L of Verden Municipal water tank in azimuth 277°38'56".

X-1,965,776.51 Y-636,720.38 El.1140.187 ft.

21-A-21 TT 1934; Caddo Co., 2.2 mi. W. of W. edge of Verden in sec. 15, T7N R9W; 58 ft. N. of C/L US. Hwy. #62; 34.1 ft. S. of N. rail CRI&P track; 87 ft. W. Sft. N. of MP. 11-15. C/L Verden Municipal water tank in azimuth 272°36'26".

X-1,960,733.87 Y-636,243.82 El.1164.659 ft.

21-A-22 TT 1934; Caddo Co., 2.7 mi. W. of W. edge of Verden in sec. 15, T7N R9W; 35 ft. N. of C/L US. Hwy. #62 on line of N. edge paving projected; 58 ft. S. of tel. pole line; 97.6 ft. S. of N. rail CRI&P track; 156 ft. E. of CRI&P MP. 12S 1302; C/L Verden Municipal water tank in azimuth 289°54'11".

X-1,958,467.81 Y-635,625.54 El.1171.320 ft.

21-A-23 TT 1934; Caddo Co., 3.2 mi. W. of W. edge of Verden in sec. 16, T7N R9W; 33.6 ft. S. of C/L US. Hwy. #62; 2 ft. N. of S. R/W fence; about 300 ft. W. of peak of ridge; about 300 ft. E. of culvert US. Hwy. #62; NE cor. frame house about 1.8 mi. in azimuth 166°04'31".

X-1,956,115.48 Y-633,973.46 El.1177.322 ft.

21-A-24 TT 1934; Caddo Co., 3.7 mi. W. of W. edge of Verden in sec. 16, T7N R9W; 31 ft. N. of C/L US. Hwy. #62; 6 ft. N. of R/W fence opposite curve in hwy.; opposite farm house of Haward Fait's. Point of N. gable white house about 1000 ft. W. in azimuth 69°14'02".

X-1,953,739.58 Y-633,554.23 El.1175.675 ft.

21-A-25 TT 1934; Caddo Co., 4 mi. W. of W. edge of Verden; 56 ft. S. of C/L of US. Hwy. #62; 56 ft. S. of edge of paving where US. Hwy. #62 intersects E. sec. line sec. 20, T7N R9W; 8 ft. above US. Hwy. #62; 28 ft. SW of gas meter to Mr. Brown's farm & 17.5 ft. W. of W. side of Mr. Brown's farmhouse. Point of N. gable tin roof barn about 0.25 mi. in azimuth 52°54'08".

X-1,952,728.89 Y-632,773.59 El.1199.233 ft.

21-A-26 TT 1934; Caddo Co., 5.6 mi. W. of W. edge of Verden in sec. 18, T7N R9W; 26 ft. N. of C/L US. Hwy. #62; 13 ft. S. of N. R/W fence level with surface of road at top of high ridge; 13 ft. S. of tel. pole line. Point of W. gable unpainted house about 0.37 mi. in azimuth 321°36'44". Point W. gable white house about 2.6 mi. in azimuth 224°42'04".

X-1,944,143.08 Y-632,873.68 El.1270.867 ft.

21-A-27 TT 1934; Caddo Co., 7 mi. W. of W. edge of Verden in sec. 23, T7N R10W; 50 ft. S. of C/L of US. Hwy. #62; 20 ft. above hwy.; 10 ft. S. of S. R/W fence in MR. Detrick's pasture; 218 ft. W. of cross roads at sec. line; 218 ft. W. & 65 ft. N. of NE cor. sec. 23. C/L Anadarko watertower in azimuth 93°06'12".

X-1,933,893.33 Y-632,875.40 El.1201.836 ft.

21-A-28 TT 1934; Caddo Co., In Anadarko in sec. 15, T7N R10W; 34 ft. E. of C/L of 7th St.; 39 ft. N. of C/L Central Blvd; 24.4 ft. SW of fire plug; 15.4 ft. E. of E. face of curb on 7th St.; 32 ft. S. of 15" Elm tree in line with Elm tree row to N.; about 300 ft. W. of CRI&P tracks. C/L of Anadarko watertower in azimuth 95°47'00". Point of W. gable on red cotton gin in azimuth 232°24'17".

X-1,927,699.86 Y-633,030.94 El.1180.984 ft.

21-A-29 TT 1934; Caddo Co., In Anadarko, intersection of C/L Mission St. with C/L Central Ave.; covered with standard water meter box cover; about $1\frac{1}{2}$ in. below surface of paving.

X-1,924,877.69 Y-632,996.82 El.1204.910 ft.

21-A-29-X; Caddo Co., In Anadarko; 190.6 ft. W. of intersection of Mission St. & Central Ave.; 30 ft. W. of W. edge of house #606; directly S. of E. edge of porch at 601 W. Central Ave. Standard bronze disk set in N. curb of S. drive of Central Ave.

X-1,924,674.96 Y-632,968.62 El.1205.525 ft.

21-A-30 TT 1934; Caddo Co., 0.5 mi. W. of W. edge of Anadarko in sec. 21, T7N R10W; 275 ft. W. of Washita River Bridge at point where road turns E.; 2 ft. E. of W. R/W fence; to cross on roof of St. Patrick's Indian Mission in azimuth 343°32'57"; C/L Anadarko watertower in azimuth 198°19'12".

X-921,379.67 Y-632,967.70 El.1183.078 ft.

21-A-31 TT 1934; Caddo Co., 0.9 mi. W. of W. edge of Anadarko in sec. 20, T7N R10W; 10 ft. W. of cattle guard & 12 ft. S. of N. rail CRI&P Ry. C/L Anadarko water tower in

azimuth 270°28'45".
 X-1,919,633.59 Y-633,451.89 El.1184.599 ft.
 21-A-32 TT 1934; Caddo Co., 2 mi.W. of W. edge of Anadarko in sec.19, T7N R10W;
 75 ft.W. of CRI&P MP.20-15; on railway R/W approx. 300 ft.SW of sec.line road on high
 bank of cut; approx. 12ft.E. of S.R/W fence.
 X-1,914,396.75 Y-631,222.07 El.1209.726 ft.
 21-A-33 TT 1934; Caddo Co., 3 mi.W. of W. edge of Anadarko in sec.24, T7N R11W;
 30 ft.S. of S.rail of CRIP Ry.; on bank of cut on R/W. C/L Anadarko watertower in
 azimuth 253°26'57". Cross on St.Patrick's Indian Mission in azimuth 272°26'57".
 X-1,909,329.58 Y-629,094.09 El.1233.587 ft.
 21-A-34 TT 1934; Caddo Co., 3.8 mi.W. of W. edge of Anadarko in sec.24, T7N R11W;
 50 ft.W. of W.rail of CRI&P Ry. NW cor.chimney on square house on horizon about 0.6
 mi. in azimuth 37°22'43". NE cor.chimney of house about .55 mi. in azimuth 98°10'28".
 X-1,905,237.35 Y-629,048.92 El.1203.916 ft.
 21-A-35 TT 1934; Caddo Co., 4.1 mi.W. of W. edge of Anadarko in sec.24, T7N R11W;
 32.61 ft.W. of E.rail of CRI&P Ry.; 60 ft.N. of MP. 22-20; directly W. of whistle post
 18 ft.E. of W.CRI&P R/W fence at P.T. track curve. NW cor chimney on white house ab-
 out 0.6 mi. in azimuth 77°58'38".
 X-1,904,392.93 Y-630,370.86 El.1211.955 ft.
 21-A-36 TT 1934; Caddo Co., 5.4 mi.W. of W. edge of Anadarko in sec.14, T7N R11W;
 35.01 ft.E. of E.rail CRI&P Ry.; 225 ft.S. of MP.24; directly E. of Brown's farm home
 located on top of cut. NE cor.chimney of unpainted house about 450 ft.W. in azimuth
 82°36'26". Point of E.gable on house about 0.7 mi. in azimuth 123°53'16".
 X-1,901,813.61 Y-636,673.27 El.1226.455 ft.
 21-A-37 TT 1934; Caddo Co., 6.3 mi.W. of W. edge of Anadarko in sec.11, T7N R11W;
 12.06 ft.W. of E.rail CRI&P Ry.; 525 ft.S. of MP.25; 7 ft.W. of W.rail; 200 ft.N. of W.
 end of ridge #248; on lower part of shoulder of roadbed monument flush with surface
 of ground. SE cor.bell tower on white frame church building in Washita in azimuth
 137°19'31". SE cor. of S.chimney of yellow sec.house of CRI&P RR. in Washita in azi-
 muth 153°45'30".
 X-1,899,873.81 Y-172.26 El.1212.592 ft.
 21-A-38 TT 1934; Caddo Co., In Washita, in sec.10, T7N R11W; 50 ft.W. of E.rail
 CRI&P Ry.; 3 ft.W. of E.R/W fence; 200 ft.N. of & 50 ft.E. CRI&P Depot in Washita;
 directly E. of red cotton gin. Point of S.gable white house about 600 ft. in azimuth
 141°46'21". Point of W.gable white house about 600 ft. in azimuth 292°23'11".
 X-1,898,537.34 Y-644,378.45 El.1228.116 ft.
 21-A-39 TT 1934; Caddo Co., 0.2 mi.W. of Ry.depot in Washita in sec.10, T7N R11W;
 30 ft.N. of N.rail of CRI&P Ry.; approx. 150 yds.E. of sec.road; 410 ft.E. of MP.26;
 Letter "I" in name above door of Washita School Bldg. in azimuth 01°20'58".
 X-1,896,658.50 Y-645,172.76 El.1241.276 ft.
 21-A-40 TT 1934; Caddo Co., 1 mi.W. of Ry.depot in Washita in sec.9, T7N R11W;
 45 ft.N. of N.rail CRI&P Ry.; 3 ft.S. of N R/W fence; 900 ft.W. of bridge #266; 455 ft
 W. of MP.26-30. Point of E.gable pink house on hill about 0.6 mi. in azimuth 109°06'
 05". Point of S.gable white house about .75 mi. in azimuth 189°21'55".
 X-1,892,509.98 Y-643,802.83 El.1229.320 ft.
 21-A-41 TT 1934; Caddo Co., 1.25 mi.W. of Ry.depot in Washita in sec.9, T7N R11W;
 7 ft.E. of E.rail of CRI&P Ry.; 600 ft.S. of S.end of bridge #272; 50 ft.N. of MP.27-
 10. SE cor chimney on house about 0.75 mi. in azimuth 140°02'15".
 X-1,890,861.31 Y-641,333.51 El.1231.820 ft.
 21-A-42 TT 1934; Caddo Co., 2.2 mi.W. of Washita Ry.Depot in sec.16, T7N R11W;
 10 ft.E. of E.rail CRI&P Ry.; 50 ft.N. of N.cattle guard; 30 ft.W. of E.R/W fence;
 625 ft.S. of MP.28. Point of S.porch gable pink house about 1.1 mi. in azimuth 192°
 19'56".
 X-1,888,783.18 Y-637,681.50 El.1237.004 ft.
 21-A-43 TT 1934; Caddo Co., 3.3 mi.W. of Washita Ry.Depot in sec.17, T7N R11W; 8
 ft.S. of S.rail of CRI&P Ry. on shoulder of fill; 600 ft.E. of E.end of bridge #293;
 525 ft.W. of MP.29-10.
 X-1,883,838.07 Y-636,329.60 El.1252.483 ft.
 21-A-44 TT 1934; Caddo Co., Approx. 2 mi.E. of Fort Cobb; 10 ft.N. of N.rail of
 CRI&P Ry.; 50 ft.W. of whistle post at E.end of large out; 440 ft.W. of MP.30; approx.
 1400 ft.E. of intersec. of CRI&P Ry. & sec.line road -W. line sec.18, T7N R11W; C/L Ft.
 Cobb watertower in azimuth 119°26'25". Point of S.gable of white house about 0.5 mi.
 in azimuth 233°59'35".
 X-1,879,572.19 Y-638,309.21 El.1264.095 ft.
 21-A-45 TT 1934; Caddo Co., ½ mi.E. of Ft.Cobb Depot in sec.12, T7N R12W; 25 ft.
 S. of S.rail CRI&P Ry. at top of high cut; 500 ft.E. of E.end bridge #313; 225 ft.W.
 of MP.31-10; Smokestack Farmer's Gin at Ft.Cobb in azimuth 110°18'29".
 X-1,873,470.24 Y-641,084.15 El.1264.603 ft.
 21-A-46 TT 1934; Caddo Co., E.end of Main St. Ft.Cobb in sec.11, T7N R12W; 4 ft.
 inside fence line of alfalfa field; 10 ft.N. of billboard. Smokestack Washita Valley
 Gin. Ft.Cobb in azimuth 46°51'02". Smokestack Byrd's Gin in azimuth 168°44'57". E.
 granite column cor.entrance Washita Valley Bank, Ft.Cobb in azimuth 83°44'52".
 X-1,870,363.49 Y-642,324.93 El.1252.956 ft.
 21-A-47 TT 1934; Caddo Co., 0.5 mi.E. & 1.5 mi.N. of Ft. Cobb in NE NE sec.2, T7N

R12W; 2 ft.N.of S.Hwy.R/W fence; 35 ft.W.& 25 ft.S.of mail box of E.Bahille; 35 ft. S.of C/L Co.Hwy; 100 ft.E.of P.C.of curve in Ft.Cobb-Oney gravel road; C/L Ft. Cobb Water tower in azimuth $51^{\circ}23'13''$.

- X-1,872,783.45 Y- 649,414.66 El. 1255.279 ft.
 21-A-47 A; Caddo Co., 1.75 mi.N.& 0.5 mi.E. of Ft.Cobb, in fence cor.N.side of farm drive to E. from Ft.Cobb-Oney road; in NW cor.SW,SW,sec.36,T8N,R12W; 175 ft.N. of Cobb Creek Bridge; mark is $\frac{1}{2}$ inch pipe set in 8" poured in place concrete.
 X-1,873,064.19 Y- 650,554.60 El. 1248.940 ft.
 21-A-48 TT 1934; Caddo Co., 0.55 mi.E.& 3.15 mi.N. of Ft.Cobb; in SW,NW,sec.25, T8N,R12W; 240 ft.E.of Hwy.R/W fence in H.T. Roddy's pasture; 258 ft.E. of mail box of B.F. Provence; 270 ft.E. of C/L Hwy.road; 252.5 ft.W.& a little S. from windmill on highest part of hill; 535.5 ft.N. of E-W $\frac{1}{2}$ sec. line fence. Fence 50 ft.N. of white dwelling (was school house). C/L Ft.Cobb water tower in azimuth $24^{\circ}52'01''$.
 X- 1,873,351.95 Y- 657,884.86 El. 1324.556 ft.
 21-A-49 TT 1934; Caddo Co., 0.5 mi.E.& 4.0 mi.N. of Ft. Cobb, in sec. 24,T8N, R12W; 2.0 ft.W. of E. R/W fence; 25 ft.E. of C/L of Hwy; $\frac{1}{4}$ mi.N. of white farmhouse of H.T. Roddy on R. of E-W fence. N. gable Roddy's residence in azimuth $05^{\circ}54'38''$.
 X- 1,873,105.23 Y- 662,591.48 El. 1351.666 ft.
 21-A-50 TT 1934; Caddo Co., 5 mi.E.& 6.5 mi.N. of Ft.Cobb; in SE,SE,sec.2,T8N, R12W; 25 ft.N. of C/L E-W sec.line road; 50 ft.W. of C/L Co. Hwy; 55 ft.W.& 40 ft. S. of mail box of J.R. Meek; 2 ft.S. of N. R/W fence; about 350 ft.N. of small yellow frame farmhouse. N. gable Star School Dist.#153 in azimuth $355^{\circ}12'36''$.
 X- 1,873,070.26 Y- 675,818.57 El. 1441.408 ft.
 21-A-51 TT 1934; Caddo Co., 0.5 mi.E.& 7.25 mi.N. of Ft.Cobb in NW sec.1,T8N, R12W; 2 ft.W.of E.Hwy.R/W fence; 20 ft.W.of C/L Co. road. E.Gin chimney Ohne (bi-sect base) in azimuth $196^{\circ}57'01''$.
 X- 1,873,182.06 Y- 679,387.62 El. 1480.024 ft.
 21-A-52 TT 1934; Caddo Co., 1.5 mi.E.& 8.5 mi.N. of Ft.Cobb; in SW cor.sec. 30, T9N,R11W; 30 ft.E. of C/L Co. road; 25 ft.N. of C/L E-W sec.line road; 2 ft.E. of E. Hwy.R/W fence; 3 ft.N. of E-W sec.line fence; 4 ft.E. of 6" pipe tel.pole. E. gable red barn 1 mi.in azimuth $250^{\circ}25'24''$.
 X- 1,877,045.79 Y- 686,355.84 El. 1493.229 ft.
 21-A-53 TT 1934; Caddo Co., 1.5 mi.E.& 9.5 mi.N. of Ft.Cobb; in SW cor.sec.19, T9N,R11W; at intersection of cross roads in town of Oney; NE cor. concrete cover to abandoned town well and 10" below surface in sand.
 X- 1,877,039.09 Y- 691,579.75 El. 1518.978 ft.
 21-A-54 TT 1934; Caddo Co., 1.5 mi.E.& 11.0 mi.N. of Ft.Cobb, in SW,NW, sec.18, T9N,R11W; 20 ft.E. of C/L Co. road; in line of cedar trees and directly in front of Mrs. Jackson's farm residence.
 X- 1,877,092.37 Y- 699,897.45 El. 1574.577 ft.

See Terminus Traverse 13-A.

Traverse 21-B; Grady and Caddo Counties
 21-A-18 to Packer Triangulation Station.
 South Projection:

See 21-A-18 Junction Station.

- 21-B-1 TT 1935; Caddo Co., 0.1 mi.N.of SE cor.SE,sec.1,T7N,R9W; 1.5 mi.N. of Verden; on County line; 6.5 ft.E, 4 ft.N.of NE cor. headwall of 4.5'x3'x35' concrete box culvert; 20 ft.W.of C/L Co.road; C/L Verden water tower in azi. $174^{\circ}02'08''$; C/L chimney 2 story house 1.0 mi. in azi. $321^{\circ}06'08''$; C/L chimney house in azi. $12^{\circ}34'18''$.
 X- 1,972,819.65 Y- 666,407.74 El. 1142.502 ft.
 21-B-2 TT 1935; Grady Co., 3.ft.E.& 3 ft.N.of SW cor.SW sec.31,T8N,R8W; 2.4 mi. N.of Verden on Co.road; 33 ft.E.&33 ft.N.of road intersection. C/L chimney 2 story frame house 1.5 mi.in azimuth $271^{\circ}48'24''$; C/L chimney 1 story white house on hill about 3.0 mi.in azimuth $50^{\circ}11'24''$; C/L chimney $1\frac{1}{2}$ story yellow frame house about $\frac{1}{4}$ mi.in azimuth $83^{\circ}01'14''$; C/L Verden water tower in azimuth $176^{\circ}14'04''$.
 X- 1,972,852.46 Y- 649,029.88 El. 1168.781 ft.
 21-B-3 TT 1935; Grady Co., 0.1 mi.N.of SW cor.NW,sec.30,T9N,R8W; 2 ft.W.of E. property R/W fence; 25 ft.E.of C/L Co.line road; 4.0 mi.N.of Verden. C/L chimney large frame house about 2.0 mi.in azimuth $334^{\circ}05'39''$; C/L chimney 1 story white frame house about 2.0 mi.in azimuth $73^{\circ}50'09''$.
 X- 1,972,836.02 Y- 657,324.16 El. 1201.167 ft.
 21-B-4 TT 1935; Caddo Co., 6.0 mi.N.of Verden; in NE,SE,sec.13,T8N,R9W; 30 ft. W.of Caddo-Grady Co.line; 200 ft.S.of $\frac{1}{2}$ mi.cross fence; C/L chimney 2 story house 2 mi.in azi. $323^{\circ}43'00''$; W.gable Dutton Cotton Gin in azi. $1^{\circ}28'00''$; Apex dome Verden water tower in azi. $178^{\circ}16'40''$.
 X- 1,972,783.07 Y- 667,282.84 El. 1334.468 ft.
 21-B-5 TT 1935; Grady Co., 8.5 mi.N.of Verden near Jaddo-Grady Co.Line; in SW Sec.31,T9N,R8W; approx.12 ft.W.&30 ft.N.of $\frac{1}{4}$ cor.secs.1 & 6,T8N,R's 9&8W; 57 ft.N. &25 ft.E.of Dutton Store & Filling Sta. N.gable Zipsey barn in azimuth $184^{\circ}31'33''$. W. gable Dutton Cotton Gin in azimuth $117^{\circ}24'05''$.
 X- 1,972,795.88 Y- 680,701.08 El. 1183.930 ft.

21-B-6-TT 1935; Grady Co., 9.9 mi.N. of Verden, in NW SW SW sec.30, T9N, R9W; 30 ft. E. of Caddo-Grady Co. line; 2 ft. E. & 3 ft. N. of N. gate post pasture entrance. N. gable Zipsey Barn in azimuth 176°30'37". C/L chimney of 1 story farmhouse on horizon in azimuth 58°58'37".

X-1,971,761.35 Y-686,962.29 El.1256.339 ft.

21-B-7 TT 1935; Caddo Co., 11.5 mi.N. of Verden, in SE NE NE sec.24, T9N, R9W; 24 ft.W. of Caddo-Grady Co. line; 81 ft.W. & 63 ft.S. of George Downing farmhouse; 5 ft. S. & 4 ft. E. of 18" diam. willow tree; near NE cor. 2 story frame house on Gordon Goree's farm about 500 ft. in azimuth 200°25'26". Near NW cor. 1 story frame house about 110 ft. in azimuth 43°45'58".

X-1,971,702.94 Y-695,225.87 El. 1247.334 ft.

21-B-8 1935; Caddo Co., 11.8 mi.N. & 0.5 mi.W. of Verden, in SE cor. SW sec.13, T9N, R9W; on N. side of Co. line road; 3 ft. N. of N.R/W fence; 4 ft. W. of cross fence to N. N. peak roof of farmhouse on ridge 1 1/4 mi. in azimuth 128°12'34". Peak W. gable school house on ridge about 1.9 mi. in azimuth 50°39'59".

X-1,968,686.41 Y-696,550.74 El. 1398.017 ft.

21-B-9 1935; Caddo Co., 11.8 mi.N. & 1.5 mi.W. of Verden, in NE NE sec.23, T9N R9W; 30 ft.S. of C/L E-W sec. line road; inside S.R/W fence; 5106 ft.W. of sta. 21-B-8; N. end peak gable on square roof tile house 3/4 mi. in azimuth 152°26'15". N. gable 2 room gray house 1.3 mi. in azimuth 240°02'10".

X-1,963,580.33 Y-696,483.80 El.1388.117 ft.

Packer (Caddo Co. Okla., E.O. Heaton 1921). -4.0 mi.S. & 8.0 mi.E. of Binger; 15 mi. W. & 3 mi.S. of Minco; 1 1/8 mi.N. & 20°W. of Packer Church near S. side of sec.9, T9N, R9W on highest point of sand ridge covered with small jack oak on land owned by an old Indian woman; surface & underground marks are standard station disks in concrete, notes 1a & 7a; original reference destroyed, new reference set in 1934 by N.E. Wolfard. 35 ft. N. from C/L E-W road; 3 ft. E. of 1/4 line fence. 570 ft. from sta. in azimuth 33°57'15". W. peak large white barn on ridge approx. 6.0 mi. in azimuth 119°55'23".

X-1,953,509.90 Y-702,250.50 El.1514.083 ft.

Traverse 21-C; Caddo and Washita Counties.

21-A-47 to Grebe Tri. Sta.

South Projection.

See 21-A47-TT 1934; Junction Station.

21-C-1 TT 1934; Caddo Co., 1 1/2 mi.N. of Ft. Cobb & 0.5 mi.E. of OK Hwy. #9; in SE SW sec.35, T9N, R13W; 4 ft. S. of N.R/W fence; 105 ft. W. of fence cor. of cross fence N. C/L ball atop water tower Ft. Cobb in azimuth 32°41'31". C/L chimney in center roof of farm bungalow about 1.5 mi.; in azimuth 117°08'03". C/L chimney atop W. end of small farmhouse E. of ridge about 3.7 mi. in azimuth 249°07'38".

X-1,870,277.41 Y-649,497.95 El.1313.816 ft.

21-C-2 TT 1935; Caddo Co., 0.367 mi.E. of NW cor. sec.3, T7N, R12W; 1 1/2 mi.N. of Ft. Cobb; 48 ft.S. of C/L OK Hwy. #9; 47 ft.E. of E. side of old house on N. side of road; 4.5 ft.N. of S.R/W fence. C/L N. of chimney old white house approx. 1 1/2 mi. NE of Ft. Cobb in azimuth 296°24'23". C/L peak of Carnegie water tower in azimuth 82°33'16". Peak of belfry Crescent School at W. 1/4 cor. sec.28, T8N R12W in azimuth 138°18'48". C/L white bungalow 1 mi. in azimuth 225°46'46".

X-1,864,414.92 Y-649,447.47 El.1368.770 ft.

21-C-3-TT 1935; Caddo Co. 1 1/2 mi.N. & 2 mi.W. of Ft. Cobb; near SW cor. sec.33, T8N, R12W; 48 ft.N. C/L OK Hwy. #9; 5 ft. SW of fence cor. at SW cor. sec.33; 25 ft. E. of C/L of N-S road. C/L ball atop Ft. Cobb Water Tower in azimuth 295°34'24". C/L peak on Carnegie Water Tower in azimuth 80°56'08". C/L brick chimney W. end of N. slope yellow house about 1 mi. in azimuth 193°48'20".

X-1,857,255.90 Y-649,606.19 El.1344.158 ft.

21-C-4-TT 1935; Caddo Co., 1 1/2 mi.N. & 4.1 mi.W. of Ft. Cobb in NE sec.1, T7N, R13W; 46 ft.S. of C/L OK Hwy. #9; 4.5 ft.N. of S.R/W fence; 58 ft.W. of W. gate post of private road to S; C/L ball atop Ft. Cobb Water Tower in azimuth 281°52'54". C/L ball atop Carnegie Water Tower in azimuth 77°03'30". C/L chimney atop yellow house in azimuth 208°55'24".

X-1,845,676.47 Y-649,609.56 El.1347.965 ft.

21-C-5-TT 1935; Caddo Co., 1 1/2 mi.N. & 5 mi.W. of Ft. Cobb; near SE cor. sec.35, T8N R13W; 16 ft.N. of C/L OK Hwy. #9; 4 ft.W. of & in line with N. face of concrete culvert headwall; 32 ft.W. of C/L of N-S road. C/L ball atop Ft. Cobb Water Tower in azimuth 277°55'27". C/L ball atop Carnegie Water Tower in azimuth 74°30'57". C/L brick chimney atop square roofed white house in azimuth 182°04'14".

X-1,841,505.92 Y-649,699.33 El.1346.237 ft.

21-C-6 TT 1935; Caddo Co., 1 1/2 mi.N. & 5.8 mi.W. of Ft. Cobb; 470 ft.E. of SW cor. sec.35, T8N R13W; 27 ft.N. of C/L OK Hwy. #9; in line with W. side of farmhouse; 125 ft. N. of monument. C/L chimney farm bungalow in azimuth 01°55'24". C/L brick chimney atop square white house in azimuth 225°13'52".

X-1,836,968.77 Y-649,741.03 El.1329.447 ft.

21-C-7-TT 1935; Caddo Co., 1 1/2 mi.N. & 7.3 mi.W. of Ft. Cobb; in NE sec.4, T7N R13W; 420 ft.N. of C/L OK Hwy. #9; 90 ft.E. of E. side of farmhouse; 4 ft.S. of sec. line fence; 2682 ft.W. of W. end of steel bridge span across Washita River. C/L atop Ft. Cobb

- Water Tower in azimuth 276°44'36"; C/L E.apex roof of Cedar Creek School in azimuth 141°58'36"; C/L ball Carnegie water tower in azimuth 211°25'01".
 X-1,828,591.57 Y-649,758.55 EL.1371.292 ft.
- 21-C-8 TT 1935; Caddo Co., 1½ mi.E. via OK.Hwy.#9 from Main St. Carnegie; E. side of sec.5,T9N,R13W; just SE of concrete overpass CRI&P RR; 12.3 ft.E. of C/L of OK Hwy.#9; 7 ft.from S.end of E.parapet on bridge. C/L ball atop Ft.Cobb Water Tower in azimuth 273°36'55".7. C/L ball atop Carnegie Water Tower in azimuth 49°59'10.7". C/L chimney small farmhouse 4 mi.in azimuth 119°11'54".4;chimney on white frame school,Prairie Lone, in azimuth 239°55'28".2.
 X-1,824,490;06 Y-647,879.36 EL.1372.390 ft.
- 21-C9-TT 1935: Caddo Co.,in Carnegie 1 ft.E.of E.edge of concrete paved OK Hwy.#54; the N-S Main St.of Carnegie; 7.38 ft.NW at right angle to gauge of N.rail of main line track of CRI&P RR.C/L ball atop Carnegie Water Tower in azimuth 10°46'07".6.Most northeasterly point of topmost tile of NE cor.of OK Transfer and Storage Bldg.in azimuth 127°13'51".4.
 X-1,819,660.31 Y-645,204.87 EL.1308.867 ft.
- 21-C-10 TT 1935: Caddo Co.0.75 mi.N.of Carnegie;in SE of sec.31,T9N,R13W;754 ft.E.of W.line of OK Hwy.#54 produced; in pasture; 970 ft.N.of house SW of road cor. 173 ft.E.;888 ft.N.of E-W sec.line road jog. C/L of ball on top of Carnegie Water Tower in azimuth 2°40'04".7;cen.of N.chimney of yellow farm bungalow about 1 mi. in azimuth 155°05'15".2. Center of chimney near S.end on main roof of white school house about 4 mi.in azimuth 251°47'52".7.
 X-1,819,651.72 Y-650,113.11 EL.1354.023 ft.
- 21-C-11 TT 1935: Caddo Co.,2 mi.N.of Carnegie; near SE cor.NE sec.30,T9N,R13W; 28 ft.W.of C/L OK Hwy.#54; 2 ft.E.of W.R/W fence & 8.3 ft.N.of fence cor.on W.quarter sec.line. Peak of sq.belfry of Union Corner School House about 1 mi.in azimuth 90°29'43".8. C/L top of chimney on white two story house just W.of road in azimuth 178°41'51".3.C/L ball atop of Carnegie Water Tower in azimuth 4°11'33".6.
 X-1,820,391.02 Y-657,599.78 EL.1345.732 ft.
- 21-C-12 TT 1935: Caddo Co.,3½ mi.N.of Carnegie; NW cor.sec.20,T9N,R13W; on E. side of OK Hwy.#54;33 ft.S.& 27 ft.E.of NW cor.sec.20; 260 ft.N.& 70 ft.W.of farm house on E.side of road; 7 ft.W.of E R/W fence; 2 ft.S.of S R/W fence. C/L N. cupola of yellow farmhouse on W.side road about ¼ mi.S.in azimuth 6°25'10".5. C/L of chimney on white farmhouse on W.side road in azimuth 170°38'58". C/L of chimney on white farmhouse ½ mi.E.in azimuth 266°03'58".
 X-1,820,522.36 Y-665,486.12 EL.1415.519 ft.
- 21-C-12A TT 1935: Caddo Co.,(Intermediate Station) 5½ mi.N.of Carnegie; at approx.cor.sec.5-6-7 & 8,T9N,R13W; OK Hwy.#54; 43.3 ft.N.33°45' E.Mag.Brg.from 7 inch walnut tree; about 1 ft.below road grade; sta.consists of about 2 ft. of 4 in iron pipe surrounded by & filled with concrete & nail with point protruding. C/L small iron plate in 7" walnut tree inside of NE fence cor.sec.7,in azimuth 44°47'09".5. C/L tack & staple in Bois d'Arc fence post in azimuth 137°23'27".C/L S.gable on white farmhouse 775 ft.E.of 21-C-13 in azimuth 192°33'39".5.
 X-1,820,585.63 Y-676,072.54 EL.1459.572 ft.
- 21-C-13 TT 1935: Caddo Co.,6.2 mi.N.of Carnegie; near SW NW sec.5,T9N,R13W;26.5 ft.E.of C/L OK Hwy.#54; 42.4 ft.S.of C/L private drive to house; 775 ft.E.of road; 7 ft.S.from fence cor.& 2.5 ft.W.of E R/W fence. C/L of chimney on roof of yellow bungalow about 2½ mi.in azimuth 76°06'26".6. C/L S.chimney S.end of roof on dark red white trim farmhouse about 1 mi.in azimuth 247°57'14". C/L chimney small unpainted farm bungalow on top of small knoll in azimuth 328°10'17".8.
 X-1,820,642.41 Y-678,640.37 EL.1486.581 ft.
- 21-C-14 TT 1935: Caddo Co.,6.6 mi.N.of Carnegie; in SW SW sec.32, T9N,R13W; 286 ft.N.of N R/W fence on E-W jog in OK Hwy.#54; in pasture; 207 ft.W.of yellow farm house;& on N. side of road; 71 ft.W.of yard fence near above house. Center of chimney on farmhouse situated on skyline approx.3½ mi.in azimuth 75°51'06".4. Center of chimney on top of roof of yellow farm bungalow about 2½ mi.in azimuth 151°34'14".
 X-1,820,048.16 Y-681,664.62 EL.1523.107 ft.
- 21-C-15 TT 1935: Caddo Co.,8.7 mi.N.of Carnegie; in SW sec.20,T9N,R13W; about .6 mi.N.of Alfalfa; 765 ft.N.of sec.line; 1.3 ft.W.of E R/W fence; 30 ft.E.of C/L OK Hwy.#54. C/L chimney on Alfalfa School in azimuth 357°59'42".1. C/L chimney on white brown trim farmhouse on W.side road about ½ mi.N.in azimuth 169°25'37".1. C/L chimney on 2 story white farmhouse about 1 mi.N.on E.side road in azimuth 181°21'59.6".
 X-1,819,133.94 Y-692,737.66 EL.1515.290 ft.
- 21-C-16 TT 1935; Washita Co.,9.6 mi.N.1.2 mi.W.of Carnegie; near SE cor.sec. 13,T9N,R14W; 260 ft.W.of C/L of N-S road; 26 ft.N.of C/L of E-W road; 1.5 ft.S.of N.R/W fence; about 1½ mi.N.& 1.1 mi.W.of Alfalfa. C/L chimney on yellow brown trim farmhouse about 1600 ft.S.in azimuth 354°32'26.8". C/L on yellow farmhouse about ½ mi.W.& 800 ft.W.in azimuth 105°58'04.3". C/L chimney on unpainted farmhouse about ¼ mi.N.in azimuth 192°48'16.8".
 X-1,813,605.75 Y-697,194.70 EL.1514.607 ft.
- 21-C-17 TT 1935; Washita Co.,9.6 mi.N & 2.7 mi.W.of Carnegie; in NE NW sec.23, T9N,R14W; 24 ft.S.of C/L of road; 7.5 ft.N. of S. R/W fence; 2.6 ft.E.of E.side of farmhouse; about 90 ft.S.of road; 12 ft.E.of path to house. C/L chimney on 2 story

yellow brown trim farmhouse of J.B.Grebe in azimuth 92°45'57". C/L chimney on yellow farmhouse about 1 mi. E. & 800 ft. N. of E-W road in azimuth 264°04'44.5".
 X-1,805,020.30 Y-697,210.93 El.1606.244 ft.

Grebe Tri.Sta.; Washita Co., 10 mi. N. & 3½ mi. W. of Carnegie; 2 mi. N. & 3½ mi. W. of Alfalfa P.C.; in SE sec.15, T9N, R14W; on land owned by J.B.Grebe & is about 300 meters (984.25 ft.) W. of Mr. Grebe's house 150 meters (492.125 ft.) E. of the ½ sec. cor. & just N. of the S. sec. fence line; on small rocky knoll; Sta. is marked according to notes 1a & 7a; the reference mark is according to note 12a & is 25.38 meters (83.266 ft.) from sta. in azimuth 22°03'29". Grebe Sta. & Ref. Re-set 1934 by N. E. Wolfard USC&GS and State Survey disk marked GREBE, set in drill hole of old base with new concrete crown 10'x12". Original Ref. disk re-set in old drill hole in native rock. Recovery note 1934; Reference set stamped "No.1,1934" about 140.7 ft. Mag. Brg. S. 71°0'E. C/L chimney on white farmhouse about ½ mi. E. & ½ mi. N. in azimuth 226°27'39.2".
 X-1,802,174.92 Y-697,290.01 El.1639.026 ft.

Traverse 21-D, Caddo and Kiowa Counties
 21-C-9 to Hobart Tri., Sta. to 25-D-36.
 South Projection.

See 21-C-9 TT 1935; Junction Station.

21-D-1-TT 1935; Kiowa Co., 1.75 mi. W. of junction of OK Hwy. #9 & #54 at S. edge of Carnegie; SE of sec.12, T7N, R14W; 692 ft. W. of farm bungalow; 26.5 ft. N. & 0.5 ft. W. of 4 ft. concrete headwall; 1.5 ft. S. of N.R/W fence. C/L ball top Carnegie Water Tower in azimuth 246°33'33.5". N. end peak 2 story white house 1.5 mi. in azimuth 301°32'54.7"; C/L S. apex white schoolhouse 4 mi. Cottonwood School Dist., #37 in azimuth 138°03'54".7
 X-1,812,089.21 Y-640,415.34 El.1384.708 ft.

21-D-2-TT 1935; Kiowa Co., 2.275 mi. W. of junction of OK Hwy. #9 & #54 at S. edge of Carnegie on N. side of OK Hwy. #9; 400 ft. E. of NW cor. SW sec.12, T7N, R14W; 2.2 ft. S. of N.R/W fence; std. bronze marker set with block of concrete near the W. end of big sand stone outcrop; C/L peak of unpainted farm bungalow about 1½ mi. in azimuth 80°03'52.2". S. apex white schoolhouse 3 ¾ mi. in azimuth 140°38'52.2". C/L ball on top of Carnegie Water Tower 2 mi. in azimuth 257°27'12".2. Bolt in SW. headwall of Hwy. bridge ½ mi. in azimuth 92°03'12".2.
 X-1,809,500.33 Y-641,432.14 El.1327.399 ft.

21-D-3-TT 1935; Kiowa Co., 4.4 mi. W. of junction of OK Hwy. #9 & #54 at S. edge of Carnegie; SW cor. NW sec.10 T7N, R14W; NE cor. of road intersection of OK Hwy. #9 & N-S sec. line road; 3.9 ft. SW of angle iron fencepost; 49.8 ft. N. of C/L of OK Hwy. #9. C/L peak of water tower Gotebo. 1.5 mi. in azimuth 82°11'15". C/L of ball top of Mt. View Water Tower 4 mi. in azimuth 96°22'50". S. apex white Cottonwood School house, Dist. #37 2 ¾ mi. in azimuth 166°40'10". C/L of ball top of Carnegie Water Tower 4½ mi. in azimuth 254°54'35".
 X-1,798,511.14 Y-641,702.19 El.1405.498 ft.

21-D-4 TT 1935; Kiowa Co., 6.5 mi. W. of junction of OK Hwy. #9 & #54 at S. edge of Carnegie; 778 ft. W. of E. cor. sec.7, T7N, R14W; 537 ft. SW of white house; 52.6 ft. S. of C/L of OK Hwy. #9; 1.6 ft. N. of S.R/W fence. W. gable of unpainted bungalow 1.5 mi. in azimuth 2°24'29".1. C/L ball top Mt. View Water Tower 2 mi. in azimuth 103°36'51".8. S. apex unpainted house 2 mi. in azimuth 177°41'49".1.
 X-1,787,229.78 Y-641,641.91 El.1358.972 ft.

21-D-5 TT 1935; Kiowa Co., 7.45 mi. W. of junction of OK Hwys. #9 & #54 at S. edge of Carnegie; SE SE sec.12, T7N, R15W; 0.25 mi. S. of OK Hwy. #9 on W. side of Co. road; 2.0 ft. E. of W.R/W fence; about 1½ mi. SE of Mt. View & N. of steep grade on Co. road; peak of W. gable unpainted house 1 ¾ mi. in azimuth 330°45'33".3, peak of Gotebo Water Tower 8.5 mi. in azimuth 81°19'32".1; C/L ball top of Mt. View Water Tower 1½ mi. in azimuth 124°09'30"; 8. C/L S. apex unpainted house 2½ mi. in azimuth 194°42'13".3
 X-1,782,788.72 Y-640,248.93 El.1374.948 ft.

21-D-6-TT 1935; Kiowa Co., about 1 mi. SW of Mt. View; SW SW sec.11, T7N, R15W; 0.2 mi. S. of RR & Hwy. underpass; 1633 ft. S. of USC&GS EM B-31 in SE top concrete bridge bannister directly under RR overpass; 1 ft. W. of E.R/W fence; 150 ft. S. of private road to farmhouse; 915 ft. N. of E-W highline. C/L apex N. gable white house 1 mi. in azimuth 51°39'42". USC&GS EM B-31 S. end W. railing of concrete culvert under RR bridge 1½ mi. in azimuth 171°29'20". C/L Mt. View Water Tower 1½ mi. in azimuth 230°40'01".
 X-1,772,346.85 Y-640,177.14 El.1363.222 ft.

21-D-7-TT 1935; Kiowa Co., 0.9 mi. SW of RR & Hwy. underpass on W. side of Mt. View; SW SW sec.10, T7N, R15W; 30.7 ft. S. of OK Hwy. #9; 689 ft. NE sec. line road; top of long RR cut; 9.4 ft. N. of tel. line. C/L apex of N. gable white house 1 mi. in azimuth 110°43'53". S. apex white school house ¾ mi. in azimuth 108°00'53". C/L ball top Mt. View Water Tower 2 mi. in azimuth 249°00'23".
 X-1,767,595.03 Y-640,437.69 El.1419.865 ft.

21-D-8 TT 1935; Kiowa Co., 3.3 mi. W. of underpass W. of Mt. View; SE of sec.18, T7N, R15W; 37.1 ft. N. of C/L OK Hwy. #9; 2.5 ft. NE of farmhouse. C/L N. gable nearest white farmhouse about 2 mi. in azimuth 358°36'47"; C/L ball Gotebo water tower about

- 3 mi. in azimuth $81^{\circ}31'60''$; C/L ball Mt. View water tower about 5 mi. in azimuth $249^{\circ}16'47''$.
- X-1,756,942.62 Y-636,074.22 El.1455.146 ft.
 21-D9 TT 1935; Kiowa Co., 5.5 mi. W. of CRI&P RR & OK Hwy. #9 underpass on W. side of Mountain View 0.7 mi. E. of Gotebo; 2550 ft. W. of E. line of sec. 23, T7N, R16W; 35 ft. S. of C/L OK Hwy. #9; 1 ft. N. of highline pole; 520 ft. E. white house on S. side of road. Bolt in top S. guard wall of culvert on Hwy. #9; bolt is in W. end 2270 paces from sta. 21-D-9 in azimuth $263^{\circ}21'58''$. C/L of N. gable of yellow farmhouse 1 mi. in azimuth $336^{\circ}52'33''$. C/L cupola of Baptist Church in Gotebo $3/4$ mi. in azimuth $74^{\circ}58'23''$. C/L S. gable pink farmhouse 2 mi. in azimuth $166^{\circ}05'28''$.
- X-1,743,507;37 Y-634,024.99 El.1426.151 ft.
 21-D-10 TT 1935; Kiowa Co., N. side OK Hwy. #9; N. of Gotebo; 2378 ft. E. of W. sec. line of sec. 15, T7N, R16W; 1500 ft. W. of filling station; 142.0 ft. S. & 27.7 ft. W. of SW cor. white house N. of road; 2.7 ft. S. of N. R/W fence. C/L ball top Gotebo Water Tower 400 ft. in azimuth $28^{\circ}33'23''$; C/L S. gable white farmhouse $1\frac{1}{2}$ mi. in azimuth $109^{\circ}52'43''$. C/L S. apex white house with 2 chimneys $\frac{1}{2}$ mi. in azimuth $223^{\circ}28'17''$.
- X-1,737,761.63 Y-634,167.22 El.1434.961 ft.
 21-D11 TT 1935; Kiowa Co., 1 mi. W. sec. cor. at NW cor. Gotebo; near NE cor. sec. 20, T7N, R16W; SW of road intersection; 34.8 ft. S. of C/L OK Hwy. #9; 64 ft. W. R/W fence cor. 32 ft. N. of S R/W fence. C/L ball top Gotebo Water Tower in azimuth $276^{\circ}52'02''$ C/L N. gable unpainted house 2 mi. in azimuth $36^{\circ}48'22''$; C/L S. gable white bungalow $1\frac{1}{2}$ mi. in azimuth $123^{\circ}21'17''$.
- X-1,729,983.43 Y-634,172.97 El.1453.845 ft.
 21-D-12 TT 1935; Kiowa Co., 3.1 mi. W. of sec. cor. at NW cor. Gotebo; SE SE sec. 13 T7N, R17W; 855 ft. W. of sec. cor. & 39.1 ft. N. of C/L OK Hwy. #9; 2 ft. S. of N. R/W fence; 6.9 mi. E. of junction OK Hwy. #9 & #14. C/L ball on Gotebo Water Tower $3\frac{1}{2}$ mi. in azimuth $273^{\circ}23'40''$. C/L N. apex white house 2 mi. in azimuth $57^{\circ}07'40''$. C/L of S. apex white bungalow $\frac{1}{2}$ mi. in azimuth $122^{\circ}28'35''$.
- X-1,718,732.78 Y-634,394.02 El.1533.958 ft.
 21-D-13 TT 1935; Kiowa Co., 4.55 mi. W. of NW cor. of Gotebo; near SE cor. SW of sec. 14, T7N, R17W; 35.2 ft. N. of C/L OK Hwy. #9; 2.4 ft. S. of N. R/W fence; 5.45 mi. E. of junction of OK Hwys. #9 & #14. C/L peak Gotebo Water Tower about 5 mi. in azimuth $272^{\circ}34'36''$. C/L N. apex large white house about 4 mi. in azimuth $354^{\circ}08'08''$. C/L S. apex of pink farm bungalow about 2.5 mi. in azimuth $140^{\circ}29'51''$.
- X-1,711,431.40 Y-634,456.35 El.1631.772 ft.
 21-D-14 TT 1935; Kiowa Co., 5.18 mi. W. of NW cor. Gotebo; near NE cor. sec. 22, T6N, R17W; 923 ft. W. of sec. cor. & 37.4 ft. S. of C/L OK Hwy. #9; 2.6 ft. N. of S R/W fence 4.82 mi. E. of junction OK Hwy. #9 & #14. C/L peak of Gotebo Water Tower about 5.5 mi. in azimuth $272^{\circ}11'18''$. C/L N. apex large white house about 4.5 mi. in azimuth $324^{\circ}35'47''$; C/L S. apex pink farm bungalow about 2 mi. in azimuth $152^{\circ}54'31''$.
- X-1,708,109.68 Y-634,410.03 El.1654.936 ft.
 21-D-15-TT 1935; Kiowa Co., 6.75 mi. W. sec. cor. at NW cor. of Gotebo; near center of S. line SW sec. 16, T7N, R17W; 0.25 mi. E. of sec. cor; 37.6 ft. N. of C/L OK Hwy. #9; 2.4 ft. S. of N. R/W fence; 3.25 mi. E. of junction of OK Hwy. #9 & #14; C/L S. apex white farm bungalow about $1\frac{1}{2}$ mi. in azimuth $144^{\circ}03'33''$. C/L S. apex pink farm bungalow about 2 mi. in azimuth $194^{\circ}08'40''$. C/L W. apex roof white farm bungalow about 1 mi. in azimuth $226^{\circ}06'15''$.
- X-1,699,960.14 Y-634,621.21 El.1671.382 ft.
 21-D-16 TT 1935; Kiowa Co., 8.9 mi. W. of NW cor. Gotebo; near NW cor. sec. 19, T7N, R17W; 53 ft. S. of C/L OK Hwy. #9; 21.8 ft. S. of S R/W fence in pasture; 186 ft. SW of small brown farmhouse N. of road; 1.1 mi. E. of junction of OK Hwy. #9 & #14. C/L W. end S. headwall of concrete culvert on OK Hwy. #9 in azimuth $270^{\circ}04'15''$. C/L W. apex white house about 1 mi. in azimuth $334^{\circ}58'37''$. C/L peak of Hobart Water Tower about 4.5 mi. in azimuth $43^{\circ}05'07''$. C/L S. apex gray house about 1 mi. in azimuth $172^{\circ}33'57''$.
- X-1,688,544.15 Y-634,627.08 El.1645.507 ft.
 21-D-17 TT 1935; Kiowa Co., 10 mi. W. & 1.3 mi. S. NW cor. Gotebo; center W. line NW of sec. 25, T7N, R18W; 48.9 ft. E. of C/L OK Hwy. #14; 57 ft. N. 38.0 ft. W. of NW cor. of small house E. of road; 26 ft. N. 2 ft. W. of lot fence cor. C/L W. gable white farm bungalow about 1 mi. in azimuth $299^{\circ}02'24''$. C/L peak of Hobart Water Tower about $1\frac{1}{2}$ mi. in azimuth $43^{\circ}30'25''$. C/L E. apex white school about $3/4$ mi. in azimuth $103^{\circ}54'42''$.
- X-1,682,710.39 Y-628,237.66 El.1602.995 ft.
 21-D-18-TT 1935; Kiowa Co., 1.9 mi. E. & 0.27 mi. N. Hobart School in N. end of Hobart; SW sec. 36, T7N, R18W; 46.6 ft. E. of C/L OK Hwy. #14; in W. edge of cultivated field opposite fence cor. on W. side of road; 1614 ft. N. of CRI&P RR tracks near USC&GS EM "R-30". C/L W. gable white farm bungalow about $1\frac{1}{2}$ mi. in azimuth $279^{\circ}55'35''$. C/L USC&GS EM "R-30" about $2/3$ mi. in azimuth $1^{\circ}16'52''$. C/L peak of Hobart Water Tower about $1\frac{1}{2}$ mi. in azimuth $75^{\circ}43'36''$. C/L E. gable of white school house about $2\frac{1}{2}$ mi. in azimuth $152^{\circ}14'35''$.
- X-1,682,592.44 Y-620,448.59 El.1598.617 ft.
 R-30 (USC&GS) 1934; Hobart, Kiowa Co., 1.5 mi. E. of Hobart; 2 mi. E. of Hobart depot on CRI&P RR; at OK Hwy. #9 & 4 cors; also railroad crossing; State Hwy. MP 50 ft. N. of track.
- X-1,682,556.87 Y-618,819.26 El.1566.693 ft.
 Hobart Tri. Sta. Kiowa Co., on S. side of Hobart on W. side of yard of Eugene Field

School; mark is 86 ft. E. of C/L of road; 43 ft. E. of E. edge of sidewalk; 8 ft. N. of N. edge of sidewalk; 90 ft. SW of NW cor. & 102 ft. NW of SW cor. of school bldg.; mark is flush with ground; sta. underground reference & azimuth marks are bronze tablets set in concrete as described in notes 1b, 7a, 11a & 11b; RM 1 is 34.25 ft. E. by S. of sta.; 69 ft. NW of SW cor. & 76 ft. SW of NW cor. of bldg. 2 ft. S. of S. edge of sidewalk; mark is flush with ground; RM 2 is 78.69 ft. SW of sta. 128 ft. W. of SW cor. of school bldg.; 1 ft. E. of E. edge of sidewalk; 49 ft. E. of C/L of road & is flush with the ground; azimuth mark is 0.8 mi. SE of station; 22 ft. W. of C/L of road; 2 ft. W. of fence & projects 10".

X-1,672,890.38

Y-615,022.24

El.

21-D-19 TT 1935; Kiowa Co., 1.5 mi. S. of Hobart High School & 0.75 mi. E.; near center of N. line of SE sec. 10, T6N, R18W; 877 ft. W. of C/L sec. line road on S. side of half sec. line trail; 2.4 ft. N. of fence; 756 ft. E. of white farmhouse; 1140 ft. E. of RR crossing just NW of above house. C/L E. gable of white farmhouse about $\frac{1}{2}$ mi. in azimuth $317^{\circ}02'15''$. C/L E. gable of gray farm bungalow about $\frac{1}{2}$ mi. in azimuth $103^{\circ}56'28''$. C/L peak of Hobart Water Tower about $\frac{1}{2}$ mi. in azimuth $154^{\circ}27'47''$.

X-1,676,240.52

Y-611,237.18

El. 1545.286 ft.

21-D-20 TT 1935; Kiowa Co., 2.8 mi. S. & 0.15 mi. W. of Hobart High School near center of E. line SE sec. 16, T6N, R18W; 33 ft. W. of C/L sec. line road; 49 ft. E. 59.1 ft. N. of farmhouse; 1079 ft. N. of sec. cor. C/L N. one of W. gables white farmhouse about 2 mi. in azimuth $270^{\circ}21'12''$. C/L top of cupola Indian Mission about $\frac{1}{2}$ mi. in azimuth $359^{\circ}01'17''$; bolt BM in S. end W. headwall concrete dip, $\frac{3}{4}$ mi. in azimuth $0^{\circ}08'29''$. C/L of S. gable cream colored farm bungalow about 1 mi. in azimuth $132^{\circ}27'35''$. C/L peak Hobart Water Tower about $2\frac{1}{2}$ mi. in azimuth $185^{\circ}26'20''$.

X-1,671,718.05

Y-604,494.76

El. 1546.422 ft.

21-D-21 TT 1935; Kiowa Co., 4.8 mi. S. & 0.15 mi. W. of Hobart High School; near center of W. line SW sec. 27, T6N, R18W. 829 ft. N. of sec. cor.; 28 ft. E. of C/L of sec. line road; 3 ft. W. of E R/W fence; 180 ft. W., 114 ft. S. of old white farmhouse E. of road. C/L W. gable yellow house of grain elevator in Babs Switch about 2.5 mi. in azimuth $289^{\circ}31'22''$. C/L E. chimney yellow house about $\frac{1}{2}$ mi. in azimuth $20^{\circ}25'26''$. C/L S. gable unpainted farmhouse about $\frac{1}{2}$ mi. in azimuth $124^{\circ}03'10''$.

X-1,671,687.05

Y-593,692.92

El. 1547.076 ft.

21-D-22-TT 1935; Kiowa Co., 6.7 mi. S. & 0.15 mi. W. of Hobart High School; near center E. line of SE SE sec. 4, T5N, R18W; 1500 ft. N. of sec. cor.; 30 ft. W. C/L of road; 2 ft. E. of fence cor; farm bungalow about 0.2 mi. NW of station; brown house 1614 ft. S. & 225 ft. E. of sta. C/L W. gable tan farmhouse about $\frac{3}{4}$ mi. in azimuth $247^{\circ}46'33''$. C/L N. gable tan farmhouse about 3 mi. in azimuth $335^{\circ}27'46''$. C/L E. gable unpainted house at foot of Mt. about 2 mi. in azimuth $82^{\circ}55'06''$.

X-1,671,527.81

Y-583,770.73

El. 1494.935 ft.

21-D-23 TT 1935; Kiowa Co., 8 mi. S. & 0.3 mi. W. of Hobart High School; near center S. line SE SE sec. 9, T5N, R18W; 25.5 ft. N. C/L of E-W sec. line road; 953 ft. W. of sec. cor; 1 ft. S. of N. R/W fence; 12.9 ft. E. of E. gate post on private road to N. C/L W. apex of white farm bungalow about $\frac{1}{2}$ mi. in azimuth $231^{\circ}37'21''$. C/L N. gable white farmhouse about 2 mi. in azimuth $347^{\circ}13'20''$. C/L S. gable white farmhouse against mt. about 3 mi. in azimuth $118^{\circ}08'10''$.

X-1,670,497.52

Y-577,083.85

El. 1482.775 ft.

21-D-24 TT 1935; Kiowa Co., 8 mi. S. 1.15 mi. W. of Hobart High School; near NW cor. sec. 16, T5N R18W; standard bronze marker set in floor slab of 124.8 ft. concrete bridge over Elk Creek; marker 15" N. & E. of W. end of S. concrete wheel guard; set flush with bridge floor. C/L W. apex white farmhouse about $\frac{1}{2}$ mi. in azimuth $287^{\circ}25'51''$. C/L E. apex white school about 3 mi. in azimuth $79^{\circ}36'01''$.

X-1,666,106.30

Y-577,098.87

El. 1459.651 ft.

21-D-25-TT 1935; Kiowa Co., 8 mi. S. & 2.65 mi. W. of Hobart High School; center N. line of sec. 18, T5N, R18W; 2.5 mi. W. of main S. road intersection & 2 ft. N. of S. R/W fence; 1 ft. W. of $S\frac{1}{2}$ sec. fence cor. C/L N. apex white farmhouse about 1 mi. in azimuth $333^{\circ}46'03''$. C/L S. gable of unpainted farm bungalow at foot of Mt. about $\frac{1}{4}$ mi. in azimuth $159^{\circ}50'33''$. C/L E. apex white school house about 1 mi. in azimuth $67^{\circ}39'03''$.

X-1,658,293.48

Y-577,177.03

El. 1517.929 ft.

21-D-26 TT 1935; Kiowa Co., 8.6 mi. S. & 3.75 mi. W. of Hobart High School; in NE SW sec. 13, T5N, R19W; 398.2 ft. S. & in line with W. side of white school house Dist. #109; 31.6 ft. N. of C/L of road to S. of school; 54 ft. W. of C/L of school entrance to road; C/L E. gable concrete block bungalow about $\frac{3}{4}$ mi. in azimuth $53^{\circ}52'43''$. C/L peak of Lone Wolf Water Tower about 8 mi. in azimuth $139^{\circ}06'01''$. C/L S. gable "Coon Town" School, Kiowa Co. Dist. #109 about 400 ft. in azimuth $186^{\circ}56'67''$.

X-1,651,572.32

Y-574,037.50

El. 1557.591 ft.

21-D-27 TT 1935; Kiowa Co., 9 mi. S. & 4.75 mi. W. of Hobart High School; Bronze marker set 6" N. & E. of SW cor. of 18" x $5\frac{1}{2}'$ concrete culvert headwall on N. side of sec. line road; wall is cut letter marker 25-A-2 1921; 0.4 mi. E. of Barton's Store at sec. cor; C/L W. apex concrete block farm bungalow about $\frac{1}{2}$ mi. in azimuth $275^{\circ}14'53''$; C/L N. gable of unpainted farm bungalow about 1 mi. in azimuth $11^{\circ}42'58''$; C/L W. gable "Coon Town" School Kiowa Co. Dist. #109 about $\frac{1}{2}$ mi. in azimuth $242^{\circ}52'59''$.

X-1,646,949.34

Y-572,075.47

El. 1517.518 ft.

See 25-D-36 TT 1934; Junction Station.

21-D-2A; Kiowa Co., (Between 21-D-2 & 21-D-3) Is a monel metal rivet set in top of concrete handrail SW cor. of bridge over Stinking Creek; 0.6 mi. W. of 21-D-2; approx. 2.75 mi. W. of Carnegie.

El. 1311.539 ft.

21-D-10A; Kiowa Co., (Between 21-D-10 & 21-D-11) Chiseled square on W. end of S. concrete headwall on S. side of OK Hwy. #9; 0.85 mi. W. & N. of Gotebo; 0.65 mi. E. of 21-D-11.

El. 1433.656 ft.

21-D-12A; Kiowa Co., (Between 21-D-12 & 21-D-13) Chiseled square on W. end of N. concrete headwall; approx. 4 mi. W. & N. on OK Hwy. #9 of Gotebo.

El. 1564.588 ft.

21-D-14A; Kiowa Co., (Between 21-D-14 & 21-D-15) Monel metal rivet on W. end of S. concrete headwall; S. side of OK Hwy. #9; W. of N-S Co. road; 6 mi. W. of NW cor. of Gotebo; 0.8 mi. W. of sta. 21-D-14; 4 mi. E. of junction of OK Hwys. #9 & #14.

El. 1632.838 ft.

21-D-15A; Kiowa Co., (Between 21-D-15 & 21-D-16) Monel metal rivet on W. end of S. concrete headwall about 7.75 mi. W. of NW cor. of Gotebo; 2.1 mi. E. of junction of OK Hwys. #9 & #14.

El. 1631.320 ft.

21-D-17A; Kiowa Co., (Between 21-D-17 & 21-D-18) Chiseled square on S. end of W. parapet wall by side of S. handrail post; approx. 10 mi. W. & 2.3 mi. S. of NW cor. of Gotebo.

El. 1569.605 ft.

21-D-20A; Kiowa Co., (Between 21-D-20 & 21-D-21) Monel metal rivet set 2 ft. N. of S. end on W. concrete headwall of 80 ft. dip & bridge; 3.4 mi. S. of high school in Hobart; on Co. road.

El. 1497.530 ft.

21-D-21A; Kiowa Co., (Between 21-D-21 & 21-D-22) Chiseled square on W. end of S. concrete bridge bannister on 40 ft. bridge; 1.2 mi. S. of 21-D-21; 5 mi. S. of Hobart; 2 mi. W. of Babs Switch.

El. 1487.281 ft.

21-D-24A; Kiowa Co., (Between 21-D-24 & 21-D-25) Chiseled square on W. end S. headwall of concrete parapet of 40 ft. bridge; 0.9 mi. W. of sta. 21-D-24; 8 mi. S. & 2.05 mi. W. of Hobart High School.

El. 1473.075 ft.

Traverse 21-E; Caddo and Kiowa Counties
21-C-9 TT 1934 to Alden Triangulation Sta.
South Projection

See 21-C-9 TT 1934; Junction Station.

21-E-1 TT 1935; Caddo Co., 0.3 mi. S. of intersection of OK Hwys. #9 & #54 at S. edge of Carnegie; 48 ft. W. of C/L of Ok Hwy. #54; 173.5 ft. S. & 143.4 ft. W. of square brown bungalow on E. side of Hwy. C/L W. apex unpainted farmhouse with 5 chimneys about 1 mi. in azimuth 283°16'55". C/L E. apex pink farm bungalow about 1 mi. in azimuth 12°43'23". C/L ball on top Carnegie Water Tower about ½ mi. in azimuth 144°41'46".

X-1, 819, 546.95

Y-642, 529.95

El. 1362.454 ft.

21-E-2 TT 1935; Caddo Co., 1.67 mi. S. of Carnegie; in SW SW sec. 17, T7N, R13W; 27.4 ft. E. of C/L OK Hwy. #54; 2.4 ft. E. of E. R/W fence; 595 ft. S. & 176.9 ft. E. of two story white farmhouse on N. side of Hwy. C/L W. apex white farm bungalow about 3 mi. in azimuth 278°17'15". C/L E. apex white farm bungalow about 1 mi. in azimuth 83°10'47". C/L ball on top Carnegie Water Tower about 1½ mi. in azimuth 178°27'57".

X-1, 819, 570.19

Y-635, 318.72

El. 1436.234 ft.

21-E-3 TT 1935; Caddo Co., 2.3 mi. S. of Carnegie; near center E. line NE ¼ sec. 19, T7N, R13W; 1564.1 ft. S. of sec. cor.; 37 ft. W. of C/L OK Hwy. #54 on top of 5 ft. cut; 4.2 ft. E. of W R/W fence; about 75 ft. N. of top of short steep hill. C/L W. gable white farm bungalow about 1½ mi. in azimuth 293°57'26". C/L N. apex white farm bungalow 3 mi. in azimuth 61°41'45". C/L E. apex white farm bungalow about ½ mi. in azimuth 117°25'22".

X-1, 819, 475.35

Y-631, 974.77

El. 1441.167 ft.

21-E-4 TT 1935; Caddo Co., 4.05 mi. S. of Carnegie; near NW cor. sec. 32, T7N, R13W; 29 ft. E. of C/L OK Hwy. #54; 54 ft. S. & 70 ft. W. of SW cor. of large white farm bungalow which is SE of sec. cor. C/L chimney white school house Prairie Vale Dist. #25, about ¾ mi. in azimuth 1°48'52". C/L W. gable weathered farm house about ¾ mi. in azimuth 110°13'46". C/L N. apex white farm house about ¼ mi. in azimuth 230°27'10".

X-1, 819, 527.72

Y-622, 801.92

El. 1457.025 ft.

21-E-5 TT 1935; Caddo Co., 4.45 mi. S. of Carnegie; near SE cor. sec. 31, T7N, R13W; 3 ft. W. of W R/W fence; in edge cultivated field; 2166 ft. S. of sec. cor.; 92.8 ft. SW of 6 in. Catalpa Tree; 6 ft. NW of 6 in. Catalpa Tree both blazed on E. side of Hwy.; these trees are most southerly of line of same along hwy. at this point. C/L W. gable weathered farm house ½ mi. in azimuth 203°29'16". C/L weathered farm house ¾ mi. in azimuth 265°02'52". C/L E. gable farm house 1 mi. in azimuth 279°43'31".

X-1, 819, 453.87

Y-620, 702.65

El. 1457.477 ft.

21-E-6 TT 1935; Caddo Co., 6.0 mi. S. of Carnegie; at NE cor. sec. 7, T6N, R13W; 1.8 ft. S. & 17.5 ft. W. of SW R/W fence cor; 131.5 ft. SW of Carter Filling Station; near N. edge of cultivated field. C/L W. apex Carter Filling Sta. about 110 ft. in azimuth 51°44'52". W. edge ridge board roof Little Alden School in azimuth 183°06'59". C/L E. gable yellow farm bungalow about 1 mi. in azimuth 258°12'54".

X-1,805,794.35 Y-602,066.92 El. 1427.712 ft.

21-E-7 TT 1935; Kiowa Co., 8.0 mi. S. & 1 mi. W. of Carnegie; at NE cor. sec. 24, T6N, R14W; 2 mi. S. 1 mi. W. of Carnegie Filling Sta.; 4.5 ft. E. & 1 ft. N. of SW R/W fence cor. C/L W. gable W. apex 2 story farm house 3 mi. in azimuth 228°09'44". C/L N. apex of gable 2 story farm house 2½ mi. in azimuth 326°47'19". C/L S. apex 2 story farm ¾ mi. in azimuth 141°24'17".

X-1,814,286.55 Y-601,933.39 El. 1449.815 ft.

21-E-7A; Caddo Co., T.B.M. "X" on concrete sidewalk near W. gate post S. side of farm home of C.N. McCoy; 8.15 mi. S. of Carnegie; 100 ft. E. of OK Hwy. #34, & approx. 800 ft. S. of intersection with sec. line road.

El. 1448.150 ft.

21-E-8 TT 1935; Kiowa Co., 9.0 mi. S. & 2 mi. W. of Carnegie; near NW cor. sec. 25, T6N, R14W; 3.0 mi. S. 2 mi. W. Carter's Filling Sta.; 92 ft. S. & 1.8 ft. W. of E R/W line; about 125 ft. W. of small grove of trees in draw in rocky pasture near a large lime hill. C/L E. gable large 2 story white house 1 mi. in azimuth 89°55'55". C/L top point of Mt. View Water Tower 11 mi. in azimuth 146°37'27". C/L ball on top of Carnegie Water Tower 9 mi. in azimuth 182°25'24".

X-1,809,011.62 Y-596,622.91 El. 1536.180 ft.

21-E-9 TT 1935; Kiowa Co., 8 mi. S. & 2.6 mi. W. of Carnegie; 0.1 mi. W. of S. ¼ cor. sec. 14, T6N, R14W; 1.1 ft. S. of N R/W fence; 521 ft. E. of small creek bridge. C/L E. apex Spring Valley Church concrete block about ½ mi. in azimuth 86°55'36". SE cor. chimney Spring Valley School Dist. #29 about ¾ mi. in azimuth 141°46'56"; C/L S. gable 2 story white house in azimuth 218°12'56".

X-1,805,795.81 Y-602,065.67 El. 1433.046 ft.

Alden (Kiowa Co., E.O. Heaton, 1921). About ¾ mi. W. & ¾ mi. S. of Alden P.O., 10 mi. S. & 3½ mi. W. of Carnegie; in SW ¼ sec. 27, T6N, R14W; on high rocky hill known locally as Bally Mt., the highest point in vicinity on land owned by Harry Kindblade Station marked by standard station disk in boulder, note 4; reference mark is standard reference disk in outcropping bedrock, note 12a, 24.67 meters (80.9 ft.) from the sta. in azimuth 322°34'; E. apex 2 story unpainted house about 2.3 mi. in azimuth 6°03'10". C/L top of Gotebo Kiowa Co., water tower about 18 mi. in azimuth 35°58'37"; C/L top water tower of Mt. View Kiowa Co. about 12 mi. in azimuth 69°23'27".

X-1,799,248.99 Y-592,417.83 El.

Traverse 21-J; Caddo County

21-K-1 TT 1935 to 29-B-54 TT 1935

South Projection

See 21-K-1 TT 1935; Junction Station

21-J-1 TT 1935; Caddo Co., in town of Alden; center E. line SE sec. 20, T6N, R13W; .15 mi. N. of sec. cor; 60.7 ft. W. & 89 ft. S. of SW cor. stone P.O. bldg.; 1.5 ft. E. of W R/W fence N-S sec. line road; C/L chimney 2 story yellow farmhouse about 2 mi. in azimuth 100°5'22". C/L S. apex yellow farmhouse about ¾ mi. in azimuth 171°16'22". C/L C. chimney white farmhouse about 3 mi. in azimuth 311°04'22".

X-1,824,744.18 Y-597,660.33 El. 1483.883 ft.

21-J-2 TT 1935; Caddo Co., 0.8 mi. N. & 0.7 mi. W. of Alden P.O.; 8 mi. S. & 0.3 mi. E. of Carnegie; near cor. on S. line SW sec. 7, T6N, R13W; 27 ft. N. of C/L E-W sec. line road; 799 ft. W. of N-S ½ sec. fence. C/L N. apex yellow farmhouse about 1 mi. in azimuth 355°36'24". C/L chimney yellow farmhouse about 1½ mi. in azimuth 70°39'24". C/L chimney white farmhouse about 2 mi. in azimuth 127°52'34".

X-1,821,274.73 Y-601,925.36 El. 1453.690 ft.

21-J-3 TT 1935; Caddo Co., 7 mi. S. & 0.9 mi. E. of Carnegie; 1.8 mi. N. & 0.1 mi. W. of Alden P.O.; near SE cor. sec. 8, T6N, R13W; 277 ft. W. sec. cor.; 25 ft. N. of C/L E-W sec. line road; 342 ft. NE cor. of farmhouse S. of sec. line; C/L E. gable 2 story white farmhouse about 1½ mi. in azimuth 90°47'22". C/L S. gable white farmhouse 3 mi. in azimuth 159°53'52". C/L W. gable white farmhouse 3 mi. in azimuth 244°57'22".

X-1,824,500.44 Y-607,175.38 El. 1435.500 ft.

21-J-4 TT 1935; Caddo Co., 5.68 mi. S. & 1 mi. E. of Carnegie; near center of E. line of SE SE sec. 5, T6N, R13W; 2 ft. E. of field fence cor.; 25 ft. W. of C/L N-S sec. line road; 1345 ft. N. of sec. cor; C/L N. apex unpainted farm bungalow ½ mi. in azimuth 63°26'37". C/L S. apex white farm bungalow 2.5 mi. in azimuth 145°04'22". C/L S. apex yellow farm bungalow ¾ mi. in azimuth 183°27'20".

X-1,824,761.17 Y-614,000.39 El. 1435.995 ft.

See 21-E-6 TT 1935; Junction Station.

21-J-5 TT 1935; Caddo Co., 6 mi. S. & 2.75 mi. E. of Carnegie; near center of N. line of NE NE sec. 10, T6N, R13W; 31 ft. S. C/L E-W sec. line road; 118 ft. E. of field fence to N.; 750 ft. E. small white farmhouse N. of road. C/L S. apex white bungalow N. 1 mi. in azimuth 174°31'29". C/L W. apex white farmhouse ¾ mi. in azimuth 266°00'24". C/L W. apex white schoolhouse Neola Dist. #69 SE ¾ mi. in azimuth 337°16'34".

X-1,834,103.27 Y-612,324.56 El. 1434.830 ft.

- 21-J-6 TT 1935; Caddo Co., 4.25 mi. E & 6.9 mi. S. of Carnegie on John B. Schmidt farm; near SE cor. SW SW sec. 13, T6N, R13W; 69 ft. N. & 20 ft. E. of NE cor. of tile chicken house; 1.5 ft. W. of N-S field fence. (40 acre line); C/L S. apex white farm bungalow $3\frac{1}{2}$ mi. in azimuth $138^{\circ}37'07''$. C/L N. gable white farm bungalow 1 mi. in azimuth $326^{\circ}02'47''$. C/L belfry white schoolhouse Neola Dist. #69 1 - $\frac{3}{4}$ mi. in azimuth $109^{\circ}27'57''$.
X-1, 842, 034.91 Y-607, 349.67 El. 1452.062 ft.
- 21-J-6A TT 1936; Caddo Co., 7 mi. S & 5.15 mi. E. of Carnegie; near center of S. line of SW SW sec. 7, T6N, R12W; 36 ft. S. of C/L N-S sec. line road; 1004 ft. N. of C/L E-W sec. line road & in line with E. side of faded white farm bungalow N. of road. C/L E. gable white house owned & occupied by Mr. Jantz $\frac{1}{2}$ mi. in azimuth $104^{\circ}38'52''$. C/L SW cor. white farm bungalow 1 mi. in azimuth $247^{\circ}00'42''$. C/L N. apex farm house painted white $\frac{1}{2}$ mi. in azimuth $16^{\circ}26'27''$.
X-1, 846, 820.91 Y-606, 941.84 El. 1423.532 ft.
- 21-J-7 TT 1936; Caddo Co., 7 mi. S. & 6.5 mi. E. of Carnegie; near NE cor. NW sec. 17, T6N, R12W; 27.4 ft. S. C/L E-W sec. line road; 52.3 ft. W. of $\frac{1}{2}$ sec. fence line; 80 ft. NE small dark colored farm bungalow. C/L E. gable white schoolhouse, Spring Valley Dist. #29 1 mi. in azimuth $137^{\circ}55'31''$. C/L S. gable white farmhouse 3 mi. in azimuth $257^{\circ}01'09''$. C/L W. gable white farmhouse $\frac{1}{2}$ mi. in azimuth $306^{\circ}03'51''$.
X-1, 853, 591.69 Y-606, 860.36 El. 1422.047 ft.
- 21-J-8 TT 1936; Caddo Co., 7.2 mi. S. & 7 mi. E. of Carnegie; near center W. line NW sec. 16, T6N, R12W; 1035 ft. S. of main road cor.; 94 ft. N. of field fence cor.; 30 ft. E. of C/L N-S sec. line road; 150 ft. NE large white farm bungalow. C/L S. gable white farm bungalow 3 mi. in azimuth $153^{\circ}17'14''$. C/L S. gable white farmhouse $\frac{1}{2}$ mi. in azimuth $250^{\circ}10'42''$. E. edge yellow farm bungalow $\frac{3}{4}$ mi. in azimuth $02^{\circ}51'07''$.
X-1, 856, 325.66 Y-605, 762.56 El. 1425.102 ft.
- 21-J-9 TT 1936; Caddo Co., 8 mi. S. & 7.95 mi. E. of Carnegie; near NE cor. sec. 21 T6N, R12W; 291 ft. W. of C/L N-S road; 28 ft. S. of C/L E-W sec. line road; top of small sandy knoll about 1000 ft. SE large 2 story white farmhouse. C/L S. gable unpainted farmhouse $\frac{1}{2}$ mi. in azimuth $169^{\circ}33'30''$. C/L S. gable white farmhouse $2\frac{1}{2}$ mi. in azimuth $220^{\circ}39'30''$. C/L N. apex yellow farm bungalow 2 mi. in azimuth $38^{\circ}41'15''$.
X-1, 861, 306.39 Y-601, 596.52 El. 1438.163 ft.
- 21-J-10 TT 1936; Caddo Co., 6.1 mi. S. & 9 mi. E. of Carnegie; 7.9 mi. N. & 4 mi. W. of NW cor. of Apache; near NW cor. sec. 11, T6N, R12W; 30 ft. E. of C/L N-S sec. line road; 521 ft. S. of sec. cor. at which are two diagonally opposite filling stations. E. gable white farm bungalow $2\frac{1}{2}$ mi. in azimuth $61^{\circ}05'27''$. C/L S. apex small white farm bungalow $\frac{1}{2}$ mi. in azimuth $181^{\circ}38'57''$. C/L N. apex large white farmhouse $\frac{1}{2}$ mi. in azimuth $303^{\circ}03'12''$.
X-1, 866, 914.17 Y-611, 672.48 El. 1466.730 ft.
- 21-J-11 TT 1936; Caddo Co., 7.6 mi. N. & 2 mi. W. of NW cor. of Apache; near SE cor. NE sec. 12, T6N, R12W; 27 ft. W. C/L N-S sec. line road; 322 ft. of $\frac{1}{2}$ sec. fence cor.; 1047 ft. S. & 125 ft. W. of SW cor. square unpainted farmhouse E. side of road. S. apex faded yellow farm bungalow $\frac{1}{2}$ mi. in azimuth $187^{\circ}34'57''$. C/L N. apex small white farm bungalow $\frac{1}{2}$ mi. in azimuth $05^{\circ}03'09''$. C/L E. gable white house with green roof 2 mi. in azimuth $93^{\circ}45'54''$.
X-1, 877, 357.58 Y-609, 888.30 El. 1467.967 ft.
- 21-J-12 TT 1936; Caddo Co., 6.65 mi. N. & 2 mi. W. of NW cor. of Apache; near center W. line SW NW sec. 18, T6N, R11W; .65 mi. N. of Broxton School & Broxton Church at sec. cor.; 1752 ft. S. of sec. cor.; 235 ft. N. of cross fence; 34 ft. E. of C/L N-S sec. line road. C/L S. gable yellow farmhouse $\frac{1}{2}$ mi. in azimuth $193^{\circ}16'43''$. C/L brick chimney large white farmhouse $\frac{3}{4}$ mi. in azimuth $348^{\circ}36'58''$. C/L E. apex brown farmhouse 1 mi. in azimuth $115^{\circ}20'06''$.
X-1, 877, 417.34 Y-605, 286.91 El. 1426.097 ft.
- 21-J-13 TT 1936; Caddo Co., 6.6 mi. N. & 1 mi. W. of NW cor. of Apache; near SE cor. NE sec. 18, T6N, R11W; 1 mi. E. & 0.6 mi. N. of Broxton Church & School; 482 ft. N. of $\frac{1}{2}$ sec. fence; 155 ft. W. C/L N-S sec. line road on top of small knoll in pasture. C/L S. apex white farmhouse $1\frac{1}{2}$ mi. in azimuth $180^{\circ}32'30''$. C/L S. apex faded cream color farm bungalow $1\frac{1}{2}$ mi. in azimuth $247^{\circ}05'50''$. C/L W. apex white farmhouse $1\frac{1}{2}$ mi. in azimuth $293^{\circ}04'15''$.
X-1, 882, 548.50 Y-604, 686.87 El. 1430.882 ft.
- 21-J-13A TT 1936; Caddo Co., 6.6 mi. N. & 0.55 mi. W. of NW cor. of Apache; 1.45 mi. E. & 0.6 mi. N. of Mt. Zion Church & Broxton School in pasture owned by A. E. Lundborg SE SE NW sec. 17, T6N, R11W; end of $\frac{1}{2}$ " bolt set in 2" pipe in concrete cast in place & flush with ground surface top of small knoll. C/L S. apex large white farmhouse $1\frac{1}{2}$ mi. in azimuth $159^{\circ}16'12''$. C/L S. apex $1\frac{1}{2}$ story yellow farmhouse 1 mi. in azimuth $239^{\circ}39'27''$. N. edge roof faded white house 1 mi. in azimuth $282^{\circ}10'32''$.
X-1, 884, 643.44 Y-605, 044.89 El. 1403.507 ft.
- 21-J-14 TT 1936; Caddo Co., 5.7 mi. N. of NW cor. Apache; near NE cor. SE SE sec. 20, T6N, R11W; 1 mi. W. of US Hwy. #62; 1710 ft. S. of sec. cor.; 3 ft. S. of S. side extended $1\frac{1}{2}$ story yellow farm house W. of road; 20 ft. N. of N. gate post; 28 ft. W. C/L N-S sec. line road. C/L S. apex faded white farmhouse $1\frac{1}{2}$ mi. in azimuth $181^{\circ}11'53''$. C/L W. apex faded cream colored farm bungalow 1 mi. in azimuth $269^{\circ}12'33''$. C/L top of water tower Fletcher 16 mi. in azimuth $313^{\circ}46'08''$.
X-1, 887, 960.55 Y-599, 835.96 El. 1414.895 ft.

See 21-M-8 TT 1936: Junction Station.

21-J-15 TT 1936; Caddo Co., 5 mi.N. & 0.13 mi.E. of NE cor. Apache; near center S. line SW sec. 22, T6N, R11W; 730 ft. E. of C/L US Hwy. #62; 68 ft. S. of & in line with W. side H.E. Flynn farm bungalow; 30 ft. N. of C/L E-W sec. line road. C/L S. apex small white farm bungalow 1 mi. in azimuth 170°33'10". C/L W. apex unpainted farm bungalow 1 3/4 mi. in azimuth 239°26'49". C/L NW cor. brick school, Stecker, main bldg. 3 mi. in azimuth 292°39'59".

X-1, 893, 939.07 Y-596, 245.69 EL. 1392.917 ft.

21-J-16 TT 1936; Caddo Co., 5 mi.N. & 1 mi. E. of NE cor. of Apache; 1 mi.N. & 1 mi.W. of W. side Stecker; near NW cor. sec. 26, T6N, R11W; 105 ft. E. of C/L E-W sec. line road; 27 ft. S. of E-W sec. line road; 500 ft. NE small yellow farm bungalow SW of sec. cor. C/L end W. gable white farm bungalow 3/4 mi. in azimuth 197°23'31". C/L top point of W. roof faded yellow farm bungalow 1/2 mi. in azimuth 253°18'01". C/L top point W. roof Stecker School Dist. #71, 2 1/2 mi. in azimuth 305°57'13".

X-1, 898, 579.95 Y-596, 173.54 EL. 1373.640 ft.

21-J-17 TT 1936; Caddo Co., 5.65 mi.N. & 2 mi. E. of NE cor. Apache; near SW cor. NW sec. 24, T6N, R11W; 1 mi. N. of W. side Stecker; 27 ft. E. C/L N-S sec. line road trail & 3.0 ft. W. of E-W R/W fence. C/L S. gable yellow farm bungalow 3/4 mi. in azimuth 117°38'47". C/L N. & W. gables white farmhouse 2 mi. in azimuth 304°40'27". C/L spire of Stecker School bldg. Dist. #71 353°42'17".

X-1, 903, 819.56 Y-599, 695.76 EL. 1471.866 ft.

21-J-18 TT 1936; Caddo Co., 5.8 mi.N. & 3 mi. E. of NE cor. Apache; 1.8 mi. N. & 1 mi. E. of W. side of Stecker; near center E. line NE sec. 24, T6N, R11W; 868 ft. S. of sec. cor. 23 ft. W. C/L N-S sec. line road; 2 5 ft. E. of W R/W & yard fence; 55 ft. N. of N. side extension of yellow farm bungalow, F.J. Kozba W. of road. C/L S. apex white farm bungalow 3/4 mi. in azimuth 179°19'43". C/L S. apex white 1 1/2 story farmhouse 3 mi. in azimuth 221°15'18". C/L N. apex yellow farmhouse 1 mi. in azimuth 353°58'03".

X-1, 909, 012.04 Y-600, 574.71 EL. 1450.179 ft.

21-J-19 TT 1936; Caddo Co., 4 mi.N. & 3.55 mi. E. of NE cor. Apache, 1 mi. E. of Stecker; near NW cor. NE sec. 31, T6N, R10W; 277 ft. E. of N-S 1/2 sec. fence; 30 ft. S. of C/L E-W sec. line road, top of small sandy hill. C/L S. apex white farm 1 story house 1 1/2 mi. in azimuth 213°35'02". C/L N. edge roof yellow farmhouse 1 1/2 mi. in azimuth 285°33'57". C/L top Apache Water Tower 7 mi. in azimuth 42°09'02".

X-1, 911, 885.41 Y-590, 823.82 EL. 1436.239 ft.

21-J-20 TT 1936; Caddo Co., 3.15 mi.N. & 5 mi. E. of NE cor. Apache; 3 mi. E. & 0.85 mi. S. of W. side of Stecker; near center E. line SE SE sec. 32, T6N, R10W; top small gyp hill; 3 ft. E. of W R/W fence. C/L S. gable gray farmhouse 1 mi. in azimuth 192°27'35" C/L top Cyril Water Tower 10 mi. in azimuth 312°10'45". C/L top Fletcher Water Tower 15 mi. in azimuth 349°34'25".

X-1, 919, 458.42 Y-586, 436.80 EL. 1485.125 ft.

21-J-21 TT 1936; Caddo Co., 4.75 mi. E. of SW cor. Stecker; 4 mi. N. & 6.75 mi. E. of NE cor. Apache; 5 mi. N. & 2.25 mi. W. of Cyril; 1 mi. N. & 5.25 mi. W. of sec. cor. at NW cor. Cement; (Near center N. line NE sec. 34, T6N, R10W); 1241 ft. W. of sec. cor. 12 ft. S. of C/L E-W sec. line trail; 830 ft. W. of group of yellow farm bldgs.; 2 ft. N. of S R/W fence. C/L E. apex unpainted farm bungalow 1 mi. in azimuth 74°50'53". C/L top Cyril Water Tower 8 mi. in azimuth 335°19'18". C/L top Fletcher Water Tower 15 mi. in azimuth 1°41'18".

X-1, 928, 824.40 Y-590, 749.24 EL. 1535.308 ft.

21-J-22 TT 1936; Caddo Co., 3.1 mi.N. & 7 mi. E. of NE cor. Apache; 4.1 mi.N. & 2 mi.W. of Cyril; near SW cor. sec. 35, T6N, R10W; 446 ft. N. & 116 ft. E. of sec. cor. on top small gyp hill; 436 ft. N. of N R/W fence & 75 ft. E. of E R/W fence. C/L W. apex unpainted farm bungalow 1/2 mi. on azimuth 233°22'43". C/L top Cyril Water Tower 6 mi. in azimuth 332°55'18". C/L Fletcher Water Tower top 13 mi. in azimuth 363°38'51".

X-1, 930, 142.58 Y-585, 947.13 EL. 1490.272 ft.

21-J-23 TT 1936; Caddo Co., 3 mi.N. & 1.25 mi. W. of Cyril; 4.25 mi. W. of sec. cor. at NW cor. Cement; near center N. line NE sec. 2, T5N, R10W; 27 ft. S. of center E-W sec. line trail; W. of sec. cor. top small hill; 1.5 ft. N. of S R/W fence; about 0.2 mi. W. large 1 1/2 story unpainted farmhouse SW of sec. cor. C/L S. apex brown farm bungalow 1 1/2 mi. in azimuth 195°53'56". C/L top Cyril Water Tower 4 1/2 mi. in azimuth 343°23'21" C/L top Fletcher Water Tower 12 mi. in azimuth 8°45'21".

X-1, 933, 935.56 Y-585, 451.97 EL. 1511.174 ft.

21-J-24 TT 1936; Caddo Co., 3 mi.N. & 0.25 mi. E. of Cyril; 2.75 mi. W. of sec. cor. at NW cor. Cement; near center S. line SW sec. 31, T6N R9W; 415 ft. N. C/L E-W road; near high point in flat curve; 21 ft. N. of old eroded E-W sec. line road cut; 116 ft. SW of old oil field lease or farm shack; E. of sec. line. 19 ft. S. of Hi-line. near old 50 barrel steel oil tank. C/L S. apex large white farm bungalow 3 mi. in azimuth 173°50'29". C/L SW cor. brick grade school Cement in azimuth 278°11'24". C/L N. gable small white school bldg. 2 1/2 mi. in azimuth 57°34'19".

X-1, 941, 960.62 Y-585, 443.71 EL. 1514.052 ft.

21-J-25 TT 1936; Caddo Co., 1 mi. W. of sec. cor. at NW cor. Cement (via E-W sec. line oil field road); near NW cor. sec. 4, T5N R9W; 30 ft. E. of sec. cor.; 26 ft. S. of C/L of road; 150 ft. SE large 2 story farmhouse NW of sec. cor.; 7 ft. E. 1st telephone pole E. of cor. & S. of road; C/L S. apex large white farmhouse 2 mi. in azimuth 219°43'48". C/L NW cor. Cement brick school 2 1/2 mi. in azimuth 286°25'33". W. end roof small farm bungalow 1/2 mi. in azimuth 356°49'18".

X-1, 951, 214.54 Y-585, 372.42 EL. 1496.347 ft.

21-J-26 TT 1936; Caddo Co., in NW part of Cement; 800 ft. NW of St. I. & S.F. RR crossing N. of depot. C/L E. apex large white farmhouse 3/4 mi. in azimuth 130°25'35". C/L NW cor. brick grade school, Cement 1 mi. in azimuth 294°56'10". C/L N. apex Frisco RR depot in azimuth 353°11'23".

X-1, 957, 210.45

Y-583, 939.39

El. 1440.100 ft.

See 29-B-55 TT 1934; Junction Station.

Traverse 21-K; Caddo, Kiowa & Comanche Counties.

21-E-7 TT 1935 to Cooper Tri. Sta. to 21-D-19 TT 1935
South Projection.

See 21-E-7 TT 1935; Junction Station.

21-K-1 TT 1935; Caddo Co., 9.65 mi. S. of intersection of OK. Hwy. #9 & #54 at S. edge of Carnegie; near NW cor. SW sec. 29, T6N R13W; 41 ft. E. of OK. Hwy. #54 on line with & 70 ft. W. of S. side Little Alden School. C/L steeple of Alden about 1.5 mi. in azimuth 235°29'11". C/L N. gable unpainted farm bungalow 1 mi. in azimuth 359°19'41". C/L E. apex brown house 1 mi. in azimuth 83°58'29".

X-1, 819, 555.66

Y-593, 723.54

El. 1530.764 ft.

21-K-2 TT 1935; Caddo Co., 11.2 mi. S. of Carnegie; near center E. line of NE sec. 6, T5N R13W; 25 ft. W. C/L OK. Hwy. #54 in E. edge of pasture; 2 ft. W. of R/W fence; 997 ft. S. of E-W sec. line at high point on gravel hill. C/L chimney yellow farmhouse about 2 mi. in azimuth 212°54'52". C/L E. gable white farmhouse about 1 1/2 mi. in azimuth 59°22'52". C/L E. gable yellow farmhouse about 1 mi. in azimuth 98°59'52".

X-1, 819, 324.57

Y-585, 077.83

El. 1537.165 ft.

21-K-3 TT 1935; Caddo Co., 13.2 mi. S. of Carnegie; near center W. line NW sec. 17, T5N R13W; 23.5 ft. E. of C/L OK. Hwy. #54; 1237 ft. S. of E-W sec. line road; 2 ft. W. of E. R/W fence; approx. 0.2 mi. S. of small filling sta. SW of road intersection. C/L top of roof Cache School Dist. #61 about 3/4 mi. in azimuth 182°43'04". C/L E. gable white farmhouse owned by Jack Butlwe 2 mi. in azimuth 53°19'34".

X-1, 819, 524.64

Y-574, 276.48

El. 1600.530 ft.

21-K-4 TT 1935; Kiowa Co., 13 mi. S. & 1.75 mi. W. of Carnegie; near center N. line NW sec. 13, T5N R14W; 39.5 ft. S. of C/L E-W sec. line road; 5 ft. S. & 3.8 ft. W. of 40 A. fence cor; in NE cor. of field. C/L N. gable brick ranch house owned by Tracy 3 1/2 mi. in azimuth 312°18'12". C/L E. gable white farmhouse owned by Jack Butler in azimuth 133°21'17". C/L S. apex brown trimmed white house 1 mi. in azimuth 164°54'02".

X-1, 810, 320.35

Y-575, 515.21

El. 1644.509 ft.

21-K-5 TT 1935; Kiowa Co., 13 mi. S. & 2.35 mi. W. of Carnegie; near SW cor. SE sec. 11, T5N R14W; 28 ft. N. of C/L E-W road; 725 ft. E. of N-S 1/2 sec. fence; 0.25 mi. NE of large farmhouse S. of road. C/L N. gable brick ranch house owned by Tracy in azimuth 303°46'03". C/L brick chimney white house 1 1/2 mi. in azimuth 6°19'58". C/L N. apex gray farm bungalow 3/4 mi. in azimuth 75°54'46".

X-1, 807, 062.87

Y-575, 604.11

El. 1664.438 ft.

21-K-6 TT 1935; Kiowa Co., 13 mi. S. & 3.2 mi. W. of Carnegie; near center N. line NE sec. 15, T5N R14W; 36 ft. S. of C/L of E-W sec. line road; 3 ft. S. of S. R/W fence in field; 180 ft. E. of E. edge of concrete bridge; 959 ft. W. of sec. cor. C/L W. gable of white farmhouse 3/4 mi. in azimuth 290°54'30". C/L S. gable white farmhouse 1 1/2 mi. in azimuth 138°24'02". C/L S. gable white 2 story farmhouse 1 1/2 mi. in azimuth 212°34'47".

X-1, 802, 644.39

Y-575, 582.76

El. 1627.437 ft.

21-K-7 TT 1935; Kiowa Co., 13 mi. S. & 4.5 mi. W. of Carnegie; near SW cor. SE sec. 9, T5N R14W; 0.5 mi. W. Green Valley School; 26 ft. N. of C/L E-W sec. line road; 221 ft. E. of N-S 1/2 sec. fence. C/L N. apex white farm bungalow 1 mi. in azimuth 36°16'19". C/L E. apex white farmhouse owned by Melt Jones 1 1/2 mi. in azimuth 89°40'24". C/L S. gable 2 story white house 1 mi. in azimuth 211°29'34".

X-1, 795, 881.89

Y-575, 764.46

El. 1588.478 ft.

21-K-8 TT 1935; Kiowa Co., 13.45 mi. S. & 6 mi. W. of Carnegie; near SW cor. of NW sec. 17, T5N R14W; 49.3 ft. E. C/L of N-S road at 10 ft. rock cut; near W. side of very rocky pasture; 324 ft. N. of E-W 1/2 sec. line fence. Standard precast pyramid monument cemented into flint like lime bedrock with bronze marker. C/L N. apex small white farmhouse 1 1/2 mi. in azimuth 308°02'41". C/L N. gable large white farmhouse 1 1/2 mi. in azimuth 31°08'55". C/L W. gable large white farmhouse 3 1/2 mi. in azimuth 238°20'50".

X-1, 787, 819.13

Y-573, 552.69

El. 1604.632 ft.

21-K-9 TT 1935; Kiowa Co., 14.9 mi. S. & 6 mi. W. of Carnegie; near SE cor. sec. 19, T5N R14W; 25 ft. W. of C/L N-S road; 683 ft. N. of sec. cor; 45 ft. SW of SE fence cor. post in yard of unpainted farmhouse. C/L S. gable 2 story white house about 4 mi. in azimuth 217°24'49". C/L N. gable small yellow farm bungalow 3/4 mi. in azimuth 8°22'44". C/L E. gable white trimmed brown farmhouse in azimuth 104°13'49".

X-1, 787, 699.56

Y-565, 940.39

El. 1637.074 ft.

21-K-10 TT 1935; Kiowa Co., 16 mi. S. & 6 mi. W. of Carnegie; at NE cor. sec. 31, T5N R14W; at Saddle Mt. P.O. cor; 76 ft. E. & 35 ft. N. of NE cor. Saddle Mt. P.O.; near center of road intersection; Bronze marker in top of standard concrete monument, precast, set flush with road surface & surrounded by a concrete apron. C/L S. apex white school about 1 mi. in azimuth 181°58'15". C/L N. apex unpainted farm bungalow about 1/2 mi. in azimuth 188°12'35". C/L E. apex yellow farm bungalow about 1/2 mi. in azimuth 136°21'05".

- X-1,787,740.15 Y-559,939.18 El.1623.338 ft.
21-K-11 TT 1935; Kiowa Co., 16 mi.S. & 5 mi.W. of Carnegie; near NE cor. sec. 32, T5N R14W; 1 mi.E. of Saddle Mt. P.O. in "Y" at road cor.; 155 ft.S. & 37.2 ft.E. of SE cor. of small yellow farmhouse NW of cor; 59 ft.W. & 12 ft.S. of E. & S.R/W fence lines C/L E. apex white farmhouse about 3/4 mi. in azimuth 93°15'49". C/L chimney school house about 1 1/2 mi. in azimuth 119°10'59". C/L W. apex Baptist Church at Saddle Mt. about 1 mi. in azimuth 253°09'59".
- X-1,792,992.92 Y-559,914.55 El.1680.223 ft.
21-K-12 TT 1935; Comanche Co., 1 mi.E. & 1.15 mi.S. of Saddle Mt. P.O.; near center W. line of NW NW sec. 4, T4N R14W; 0.15 mi.S. along Saddle Mt.-Meers road from Comanche Kiowa Co. line; 28 ft.E. of C/L of said road; 3.5 ft.E. of E.R/W fence in W. edge of cultivated field; C/L W. gable Saddle Mt. Baptist Church about 2 1/2 mi. in azimuth 201°16'37". C/L W. apex cobblestone house about 1/2 mi. in azimuth 353°50'47". C/L E. gable yellow farmhouse about 5 mi. in azimuth 130°07'37".
- X-1,793,167.25 Y-553,852.69 El.1718.143 ft.
21-K-13 TT 1935; Comanche Co., 1 mi.E. & 1.5 mi.S. & 0.25 mi.W. from Saddle Mt. P.O. along Meers road; near center N. line of SE sec. 5, T4N R14W; 3 ft.S. of S.R/W fence in edge of cultivated field; 30 ft.S. of C/L road; 98 ft.E. of C/L of road where it turns S.; 0.3 mi.W. of large cobblestone house & barn. C/L W. apex cobblestone house about 1/2 mi. in azimuth 259°53'31". C/L chimney stone house in azimuth 359°28'31". C/L E. apex little brown house about 1/2 mi. in azimuth 150°09'21".
- X-1,791,900.89 Y-551,823.65 El.1738.121 ft.
21-K-14 TT 1935; Comanche Co., 1 mi.E. & 1.5 mi.S. & 0.25 mi.W., 0.5 mi.S. & 0.2 mi.E. Saddle Mt. P.O. along Meers road; near NE cor. sec. 8, T4N R14W; 29 ft.S. of C/L of road; 1107 ft.E. C/L of N-S sec. line at cor.; 2 ft.N. of S.R/W fence. C/L chimney of unpainted farmhouse about 1 mi. in azimuth 260°17'54". C/L W. apex white farmhouse about 3 mi. in azimuth 275°57'04". C/L E. apex little brown house about 1/2 mi. in azimuth 157°22'34".
- X-1,792,869.66 Y-549,166.32 El.1720.895 ft.
21-K-15 TT 1935; Comanche Co., 1 mi.E. & 1.5 mi.S., 0.25 mi.W., 1 mi.S., 0.75 mi.W. & 0.4 mi.S. of Saddle Mt. P.O.; near SE cor. sec. 7, T4N R14W; 1717 ft.W. if N-S sec. line (pasture field) fence; 423 ft.N. of Wichita National Forest Reserve Boundary Post #22 which is SE cor. sec. 7, T4N R14W; 0.4 mi.S. of Cooperton-Meers Road in pasture; 0.4 mi.E. white ranch house that is some distance S. of road in valley near Reserve fence. Wichita National Forest Boundary Post # 22, 1904 Survey in azimuth 00°18'18". 38th fence post W. from NE cor. Wichita National Forest Reserve cor. post #22 about 38 yds. in azimuth 56°24'18". C/L chimney white ranch house about 1/2 mi. in azimuth 91°26'48". C/L S. apex of Baptist Church, Saddle Mt. about 5 mi. in azimuth 202°30'48".
- X-1,789,096.01 Y-544,331.78 El.1775.268 ft.
Wichita National Forest Reserve Boundary Post #22; Comanche Co., Is SE cor. sec. 7, T4N R14W; 423 ft.S. of Station 21-K-15 TT 1935;.
- X-1,784,272.77 Y-546,726.53 El.1765.868 ft.
21-K-16 TT 1935; Comanche Co., 1 mi.E., 1.8 mi.S., 0.25 mi.W., 1 mi.S. & 1.35 mi.W. Saddle Mt. P.O.; near NW cor SW sec. 7, T4N R14W; 30 ft.S. of C/L Cooperton-Meers road in top of large granite hump; 205 ft.E. of road angle to N. approx. 4000 ft. NW of white ranch house S. of road in valley near Reserve fence. C/L chimney white farmhouse about 1 mi. in azimuth 311°21'52".
- X-1,781,457.50 Y-546,726.53 El.1743.268 ft.
21-K-17 TT 1935; Comanche Co., 1 mi.E., 1.5 mi.S., 0.25 mi.W., 1 mi.S. & 2.25 mi. NW of Saddle Mt. P.O. along Saddle Mt.-Meers-Cooperton road; in SE sec. 1, T4N R15W; 900 ft. NE of Corrigan Ranch house; SW of small granite hump or hill; 118 ft. NE of large (1 cu. yd.) granite boulder in rocky pasture; 826 ft. N. of Meers-Cooperton road C/L E. apex white ranch house about 900 ft. in azimuth 80°20'23".
- X-1,781,457.50 Y-550,621.12 El.1773.043 ft.
21-K-18 TT 1935; Comanche Co., 2 mi.S., 2.3 mi.W. of Saddle Mt. P.O.; near center N. line NE sec. 11, T4N R15W; 1850 ft.W. of sec. cor. & cross roads; 954 ft.E. of Sunny Dale School; 25 ft.S. C/L of E-W sec. line road; 3 ft.N. of S.R/W fence. C/L E. gable of porch white ranch house about 1/2 mi. in azimuth 101°22'52". C/L E. gable unpainted farmhouse about 3/4 mi. in azimuth 173°21'02". C/L W. gable white farmhouse about 1 mi. in azimuth 253°30'22".
- X-1,776,908.06 Y-549,426.79 El.1782.703 ft.
21-K-19 TT 1935; Comanche Co., 3 mi.W. & 1.7 mi.S. of Saddle Mt. P.O.; 6 mi.E. & 1.5 mi.S. of Cooperton; near center of E. line SE sec. 3, T4N R15W; 1277 ft.N. of sec. cor. & road turn to N; 57 ft. SW C/L of Cooperton-Saddle Mt. Road; 700 ft.N. of large 2 story boulder & cement house; 28 ft.E. of E. gate post in fence; 113 ft. SW of small faded white farmhouse. C/L N. gable cobblestone ranch house about 500 ft. in azimuth 00°31'46". C/L E. gable white farmhouse about 3/4 mi. in azimuth 104°27'46". C/L W. gable unpainted farmhouse about 1 mi. in azimuth 225°41'46".
- X-1,773,000.94 Y-550,776.88 El.1749.171 ft.
21-K-20 TT 1935; Comanche Co., 4.25 mi.W. & 1.45 mi.S. of Saddle Mt. P.O.; 4.75 mi.E. & 1 mi.S. of Cooperton; near center S. line NE of Sec. 4, T4N R15W; 0.75 mi. NW of road ford on middle prong of Sugar Creek; 596 ft.N. of road turn to N; 20 ft.W. of C/L of Cooperton-Saddle Mt. Road; 2 ft.E. of W.R/W fence; 0.4 mi. NW of Haleys ranch house. C/L W. gable white farmhouse about 1/2 mi. in azimuth 299°53'54". Cooper Tri. Sta. about 3 mi. in azimuth 46°46'34". C/L S. apex unpainted farmhouse about 2 mi. in

- azimuth 227°15'54".
 X-1,766,895.55 Y-552,851.85 El.1717.599 ft.
 21-K-21-TT 1935; Kiowa Co., 4.1 mi. E. of Cooperton on Cooperton-Saddle Mt. road, directly S. of large granite boulder hill; near NW cor. of NE sec. 32, T5N R15W; 200 ft. N. of slight road jog; 42.4 ft. W. of W. gate post in S. R/W fence; 133 ft. N. & 76.7 ft. W. of NW cor. small unpainted farmhouse about 26 ft. S. of C/L main road.
- X-1,759,685.85 Y-560,068.56 El.1673.219 ft.
 Cooper Tri. Sta.: Kiowa Co., On highest & most northerly of two adjoining peaks at NW end of rocky ridge in SE sec. 31, T5N R15W; 3.0 mi. E. of Cooperton; ½ mi. N. of Comanche Co. line; station, underground reference & azimuth marks are bronze tablet set in concrete as described in notes; 5, 12A & 11A; azimuth mark is approx. 1.3 mi. W. of station in E-W fence line & 20 ft. N. of C/L E-W road; R.M. #1 is 12.225 meters (40.11 ft.) NE of station; R.M. #2 is 18.100 meters (59.38 ft.) S. of station. C/L chimney St. Moriah School Dist. #13, Kiowa Co., about 2 mi. in azimuth 183°05'35". SE cor. Sons School at Cooperton, about 4½ mi. in azimuth 101°28'25".
- X-1,755,469.36 Y-556,278.32
 21-K-22 TT 1935; Kiowa Co., 3.8 mi. E. of Cooperton via Cooperton-Meers-Saddle Mt. Road; near SW SW sec. 29, T5N R15W; 438 ft. E. of road angle to E.; 21 ft. N. of C/L of road; 59 ft. E. of small clump of trees; 28.5 ft. SW of another small clump of mesquite SE cor. chimney on stone farmhouse about ½ mi. in azimuth 142°39'46". C/L chimney St. Moriah School Dist. #13, Kiowa Co. about 1 mi. in azimuth 160°18'16".
- X-1,757,831.71 Y-560,227.36 El.1656.340 ft.
 21-K-23 TT 1935; Kiowa Co., 3.38 mi. E. of Cooperton via Cooperton-Meers-Saddle Mt. Road; near NW cor. SW sec. 29, T5N R15W; 214 ft. W. & in line with N. side of large square boulder & cement house; 20 ft. W. C/L of road; 4 ft. W. of W. R/W fence in pasture 45 ft. N. of N. gate post. C/L chimney Mt. Moriah School Dist. #13, Kiowa Co., about ½ mi. in azimuth 174°43'22". S. apex white farmhouse about ¾ mi. in azimuth 182°16'52". SW cor. chimney of stone farmhouse about 200 ft. in azimuth 275°48'32".
- X-1,756,284.03 Y-561,981.72 El.1625.074 ft.
 21-K-24 TT 1935; Kiowa Co., 2.88 mi. E. of Cooperton, via Cooperton-Meers-Saddle Mt. Road; in NW SE sec. 30, T5N R15W; 17 ft. W. C/L of road; 3.2 ft. W. of R/W fence in pasture; 0.36 mi. NE of ¼ sec. & road cor. that is 2.5 mi. E. of NE cor. of Cooperton; 200 ft. SW of fence cor. of road angle to E. C/L chimney of white farmhouse about ¾ mi. in azimuth 54°17'51". N. apex white farmhouse about ¾ mi. in azimuth 64°26'41". E. apex grey farmhouse about 1½ mi. in azimuth 77°56'41".
- X-1,754,003.47 Y-561,959.38 El.1629.983 ft.
 21-K-25 TT 1935; Kiowa Co., 1.86 mi. E. of sec. cor. at NE cor. of Cooperton; NE NE sec. 36, T5N R16W; 878 ft. W. of center of N-S sec. line cross road; 23 ft. S. of C/L main road; 127 ft. S. & 388 ft. E. of SE cor. small white farmhouse, N. of road; C/L chimney unpainted farmhouse about 1½ mi. in azimuth 351°31'12". N. gable white farmhouse about 2 mi. in azimuth 51°42'12". C/L E. apex white farmhouse about 1 mi. in azimuth 95°13'12".
- X-1,749,829.47 Y-560,241.05 El.1602.327 ft.
 21-K-26 TT 1935; Kiowa Co., 0.67 mi. E. of Cooperton; near center S. line SE sec. 26, T5N R16W; 867.5 ft. E. of N-S ½ sec. fence; 25 ft. N. of C/L main road; 111 ft. E. of E. side range of white farmhouse 200 ft. S. of road. W. apex unpainted farmhouse about ¾ mi. in azimuth 302°00'41". E. apex white farmhouse about ¾ mi. in azimuth 58°23'51". E. apex unpainted farmhouse about ¾ mi. in azimuth 108°31'11".
- X-1,743,648.46 Y-560,357.70 El.1572.284 ft.
 21-K-27 TT 1935; Kiowa Co., 0.75 mi. S. & C. 35 mi. E. of Cooperton; near SW cor. SE SW sec. 35, T5N R16W; in SE cor. grain field; 31 ft. N. C/L of E-W road; 5 ft. N. & 2 ft. W. of field fence cor; 500 ft. E. C/L "T" road to S. S. apex white farmhouse about 2 mi in azimuth 243°41'30". C/L W. apex white farmhouse about 1½ mi. in azimuth 282°47'10". C/L chimney of white farmhouse about 1 mi. in azimuth 50°09'17".
- X-1,742,175.11 Y-555,089.51 El.1565.156 ft.
 21-K-28 TT 1935; Kiowa Co., 0.75 mi. S. & C. 6 mi. W. of Cooperton; near NE cor. NW NW sec. 3, T4N R16W; 29 ft. S. C/L of E-W road; 30 ft. N. of S. R/W fence; 144 ft. S. & 292 ft. E. of small farmhouse N. of road; C/L chimney white farmhouse about ¾ mi. in azimuth 347°30'08". C/L E. gable stone farmhouse with red roof about ½ mi. in azimuth 111°53'03". C/L S. apex white farmhouse about 1 mi. in azimuth 187°39'33".
- X-1,737,009.95 Y-555,099.70 El.1535.233 ft.
 21-K-29 TT 1935; Kiowa Co., 1 mi. W. & 0.25 mi. S. Cooperton, in SW cor. of field; near SW cor. NW sec. 34, T5N R16W; 49 ft. E. of C/L N-S sec. line road; 1.2 ft. N. of E-W ½ sec. fence; 16 ft. E. of E. R/W fence; 0.3 mi. N. of large stone & concrete farmhouse on W. side of road. Apex NW gable stone house about ½ mi. in azimuth 5°48'47". S. apex white house about 1 mi. in azimuth 246°18'37". W. apex white farmhouse about 1½ mi. in azimuth 279°35'07".
- X-1,734,855.96 Y-557,795.17 El.1535.561 ft.
 21-K30-TT 1935; Kiowa Co., 1 mi. W. & 0.5 mi. N. of Cooperton; near NE cor. SE SE sec. 28, T5N R16W; 27 ft. N. C/L of N-S sec. line road; 1.7 ft. E. of W. R/W fence; near top small knoll; 131 ft. S. of field & R/W fence cor. C/L N. chimney white farmhouse about 1 mi. in azimuth 28°49'31". S. apex white farmhouse about 1½ mi. in azimuth 237°09'41". SW cor. Cons School at Cooperton about 1 mi. in azimuth 290°03'00".
- X-1,734,818.14 Y-561,282.98 El.1544.832 ft.
 21-K-31 TT 1935; Kiowa Co., 1 mi. W. & 1.6 mi. N. of Cooperton; near SW cor. NW SW sec. 22, T5N R16W; 28 ft. E. C/L of N-S sec. line road; 72 ft. S. of many forked mesquite

tree directly W. of small concrete storm cellar; 2 ft. S. of field E.R/W fence cor.; near small abandoned farm shack E. of road. S. gable white farmhouse about $1\frac{1}{2}$ mi. in azimuth $226^{\circ}06'29''$. C/L W. apex unpainted farmhouse about 2 mi. in azimuth $278^{\circ}03'49''$. C/L chimney house at N. edge of Cooperton about 3 mi. in azimuth $325^{\circ}44'59''$.

X-1,734,948.58 Y-566,978.16 El.1510.909 ft.

21-K-32 TT 1935; Kiowa Co., 2.25 mi. N. & 1.6 mi. W. of Cooperton; near SW cor. SE SE SW sec. 16, T5N R16W; 25 ft. N. C/L of E-W sec. line road; 515 ft. W. of N. $\frac{1}{2}$ sec. fence cor. 133 ft. W. of 8" blazed mesquite tree N. of road; 1 ft. S. of N.R/W fence; C/L E. gable unpainted farmhouse $1\frac{1}{2}$ mi. in azimuth $124^{\circ}46'08''$. W. apex white farmhouse about $\frac{3}{4}$ mi. in azimuth $238^{\circ}02'18''$. W. apex unpainted farmhouse about $1\frac{1}{2}$ mi. in azimuth $282^{\circ}31'48''$.

X-1,731,808.49 Y-571,053.64 El.1511.721 ft.

21-K-33 TT 1935; Kiowa Co., 2.25 mi. N. & 3.55 mi. W. of Cooperton; near NE cor. NW sec. 19, T5N R16W; 43 ft. S. of C/L E-W sec. line road; near NW cor. farm yard; 81 ft. N. & 48.7 ft. W. of NW cor. small white farmhouse S. of road; 2 ft. E. of W. yard fence. C/L N. apex white farmhouse about $\frac{3}{4}$ mi. in azimuth $41^{\circ}00'47''$. C/L chimney unpainted farmhouse about 1 mi. in azimuth $88^{\circ}55'02''$. C/L S. gable white farmhouse about 3 mi. in azimuth $241^{\circ}40'07''$.

X-1,721,439.94 Y-571,104.24 El.1566.547 ft.

21-K-34 TT 1935; Kiowa Co., 2.25 mi. N. & 4.5 mi. W. of Cooperton; near SE cor. SW sec. 13, T5N R17W; 97 ft. N. C/L of E-W sec. line road in pasture; 2 ft. W. of N-S $\frac{1}{2}$ sec. fence; 66 ft. N. of N.R/W fence; 570 ft. E. & 241 ft. N. small unpainted farmhouse S. of road. C/L N. apex white house about $\frac{3}{4}$ mi. in azimuth $315^{\circ}56'31''$. C/L chimney unpainted farmhouse about $\frac{1}{2}$ mi. in azimuth $91^{\circ}12'31''$.

X-1,716,465.22 Y-571,292.96 El.1586.229 ft.

21-K-34-A TT 1935; Kiowa Co., 2.25 mi. N. & 5.1 mi. W. of Cooperton; near NW cor. NE NE NE sec. 23, T5N R17W; 130 ft. N. of C/L E-W road at its most southern P.C.; 561 ft. W. of N-S sec. line fence; at SE point of granite bouldered knoll about 5 ft. higher than road; 299.1 ft. SW of unpainted farmhouse NW of road angle; station consists of small bolt inverted top of block of concrete cast-in-place in granite boulder. C/L chimney unpainted farmhouse about $\frac{1}{2}$ mi. in azimuth $271^{\circ}08'19''$. C/L E. apex yellow farmhouse about 1 mi. in azimuth $48^{\circ}50'49''$. C/L chimney white farmhouse about 3 mi. in azimuth $68^{\circ}20'49''$.

X-1,713,290.26 Y-571,050.71 El.1582.067 ft.

21-K-35 TT 1935; Kiowa Co., 2.25 mi. N. & 5.4 mi. W. of Cooperton; near NE NE sec. 23, T5N R17W; 64 ft. S. of C/L E-W sec. line road in field & pasture; about opposite W. end of large granite hill N. of road; 39 ft. W. of N-S field fence, extended N; 37 ft. S. of S.R/W fence. C/L chimney white farmhouse about 2 mi. in azimuth $14^{\circ}51'48''$. C/L E. apex yellow farmhouse about 1 mi. in azimuth $36^{\circ}50'58''$. C/L chimney white farmhouse about $1\frac{1}{2}$ mi. in azimuth $64^{\circ}56'38''$.

X-1,711,782.25 Y-571,200.65 El.1584.730 ft.

21-K-36 TT 1935; Kiowa Co., 2.25 mi. N. & 6.2 mi. W. of Cooperton; in SE SE SE sec. 15, T5N R17W; directly N. & opposite old unpainted farmhouse about 225 ft. S. of E-W sec. line road; 1076 ft. W. of C/L N-S sec. line road; 26 ft. N. of C/L E-W sec. line road in S. edge of field. C/L N. apex pink farmhouse about $1\frac{1}{2}$ mi. in azimuth $315^{\circ}25'07''$. C/L standpipe at Roosevelt about 4 mi. in azimuth $37^{\circ}06'57''$. S. apex white farmhouse about 1 mi. in azimuth $131^{\circ}39'07''$.

X-1,707,553.16 Y-571,349.59 El.1562.824 ft.

21-K-37 TT 1935; Kiowa Co., 7 mi. W. & 2.55 mi. N. of Cooperton; near center W. line SW SW sec. 15, T5N R17W; in NW cor. of field; 50 ft. S. & 111 ft. W. of SW cor. small yellow farmhouse E. of road; 1352 ft. N. of C/L E-W sec. line road; 27 ft. E. C/L N-S sec. line road. W. apex yellow farmhouse about $\frac{1}{2}$ mi. in azimuth $313^{\circ}22'36''$. C/L chimney white farmhouse 1 mi. in azimuth $70^{\circ}48'36''$. C/L Hobart watertower in azimuth $146^{\circ}15'26''$.

X-1,703,272.37 Y-572,709.56 El.1541.849 ft.

21-K-38 TT 1935; Kiowa Co., 4.25 mi. N. & 7.25 mi. W. of Cooperton; near center N. line NE sec. 9, T5N R17W; 23 ft. S. C/L sec. line road; on W. side of knoll in road; 13.13 ft. W. center of sec. line road intersection; 59.5 ft. S. of & in line with N-S fence. C/L apex of roof of yellow farmhouse about $1\frac{1}{2}$ mi. in azimuth $39^{\circ}35'09''$. C/L E. apex yellow farmhouse about 2 mi. in azimuth $122^{\circ}19'49''$. C/L S. apex white farmhouse about 1 mi. in azimuth $198^{\circ}58'19''$.

X-1,702,040.52 Y-581,885.05 El.1570.573 ft.

21-K-39 TT 1935; Kiowa Co., 5.26 mi. N. & 7.8 mi. W. of Cooperton; in SE SW SW sec. 33, T6N R17W; 5.05 mi. E. & 6 mi. S. of Hobart High School; directly N. of windmill & N-S garden fence; both S. of road; 216 ft. E. of E. side extended N. of $1\frac{1}{2}$ story faded white farmhouse S. of road. C/L chimney unpainted farmhouse about 2 mi. in azimuth $8^{\circ}45'43''$. C/L E. gable unpainted farmhouse about $\frac{1}{2}$ mi. in azimuth $75^{\circ}30'13''$. C/L chimney yellow farmhouse about $1\frac{1}{2}$ mi. in azimuth $316^{\circ}05'23''$.

X-1,699,806.48 Y-587,242.17 El.1546.008 ft.

21-K-40 TT 1935; Kiowa Co., 4.7 mi. E. & 5 mi. S. of Hobart High School; near center S. line SE SE sec. 29, T6N R17W; 8.15 mi. W. & 6.25 mi. N. of Cooperton; 0.15 mi. W. of Prairie Dell School; 30 ft. N. of C/L E-W sec. line road; 452.5 ft. E. of fence cor. of N-S & N.R/W fence. C/L Hobart watertower about 5 mi. in azimuth $135^{\circ}38'52''$. C/L chimney white farmhouse about 3 mi. in azimuth $274^{\circ}42'42''$. C/L chimney white farm

- house about $1\frac{1}{2}$ mi. in azimuth $312^{\circ}42'12''$.
 X-1,697,879.58 Y-592,570.54 El.1560.601 ft.
 21-K-41 TT 1935; Kiowa Co., 4.2 mi. E. & 5 mi. S. of Hobart High School; near NW NE NW sec. 32, T6N R17W; 8.65 mi. W. & 6.25 mi. N. of Cooperton; in N. edge of field; 1 ft. S. of S.R/W fence. 2049 ft. E. of center sec. line road intersection where highline turns S.; 28 ft. S. of C/L E-W sec. line road. W. apex white farmhouse about $1\frac{1}{2}$ mi. in azimuth $320^{\circ}52'41''$. N. apex unpainted farmhouse about 1 mi. in azimuth $42^{\circ}02'51''$. C/L Hobart watertower about 5 mi. in azimuth $139^{\circ}17'21''$.
 X-1,694,902.28 Y-592,545.68 El.1554.388 ft.
 21-K-42 TT 1935; Kiowa Co., 2.9 mi. E. & 4 mi. S. of Hobart High School; near SW cor. sec. 19, T6N R17W; 7.25 mi. N. & 9.95 mi. W. of Cooperton; 69 ft. NW NE cor. small orchard near white farmhouse; 29 ft. N. of C/L E-W sec. line road; 415 ft. E. of sec. line road intersection; 375 ft. E. of fence cor. C/L chimney unpainted farmhouse about 1 mi. in azimuth $89^{\circ}17'39''$. C/L Hobart watertower about 5 mi. in azimuth $143^{\circ}13'59''$. C/L S. chimney white farmhouse about $\frac{3}{4}$ mi. in azimuth $247^{\circ}01'44''$.
 X-1,687,973.52 Y-597,973.69 El.1559.182 ft.
 21-K-43 TT 1935; Kiowa Co., 1.85 mi. E. & 3.5 mi. S. of Hobart High School; near NW cor. SW sec. 24, T6N R18W; 140 ft. E. of C/L OK Hwy. #14 on N. side of pasture; 90 ft. E. of E.R/W fence; 2 ft. S. E-W $\frac{1}{2}$ sec. fence. C/L chimney white farmhouse about $1\frac{1}{2}$ mi. in azimuth $353^{\circ}59'11''$. C/L unpainted farmhouse about $\frac{3}{4}$ mi. in azimuth $49^{\circ}19'21''$. C/L Hobart watertower about 3 mi. in azimuth $151^{\circ}34'21''$.
 X-1,682,409.35 Y-600,836.65 El.1568.381 ft.
 21-K-44 TT 1935; Kiowa Co., 1.85 mi. E. & 2.5 mi. S. of Hobart High School; near SW cor. NW sec. 13, T6N R18W; 55 ft. E. of C/L OK Hwy. #14 in SW cor. pasture; 3 ft. N. & 3.7 ft. E. of fence cor.; 27 ft. S. & 35.7 ft. E. of 8 x 40 ft. concrete culvert under OK Hwy. #14. C/L chimney white house about 1 mi. in azimuth $20^{\circ}07'27''$. C/L N. gable Hobart Country Club Bldg. about 2 mi. in azimuth $85^{\circ}51'27''$. C/L Hobart watertower about 3 mi. in azimuth $142^{\circ}09'27''$.
 X-1,682,393.84 Y-605,924.28 El.1544.082 ft.

Traverse 21-L; Kiowa County
 21-D-9 TT 1935 to 21-K-32 TT 1935
 South Projection

- See 21-D-9 TT 1935; Junction Station.
 21-L-1 TT 1936; Kiowa Co., 0.4 mi. S. of intersection OK Hwy. #9, N-S gravel road at NE cor. Gotebo; near SE cor. NE sec. 22, T7N, R16W; 1042 ft. S. of S. rail GRI&P main track; 37 ft. W. C/L N-S road; 1284 ft. S. of C/L E-W Main St., Gotebo. C/L N. apex N. wing white farmhouse about $\frac{3}{4}$ mi. in azimuth $350^{\circ}57'57''$. C/L Gotebo Water Tower about $\frac{1}{2}$ mi. in azimuth $116^{\circ}23'12''$. Peak of spire Baptist Church, Gotebo about $\frac{1}{4}$ mi. in azimuth $151^{\circ}08'32''$.
 X-1,740,564.04 Y-631,667.92 El.1427.596 ft.
 21-L-2 TT 1936; Kiowa Co., 2 mi. S. of NE cor. Gotebo via Gotebo-Cooperton road; 350 ft. S. of road intersection NW cor. sec. 35, T7N, R16W; 31 ft. E. of C/L; 1.3 ft. E. of E.R/W fence in field; 194 ft. W. of extended S. side house occupied by A.O. Wedall. C/L chimney yellow farmhouse about 3 mi. in azimuth $240^{\circ}21'56''$. C/L E. apex unpainted farmhouse about 3 mi. in azimuth $90^{\circ}57'01''$. C/L Gotebo Water Tower about 2 mi. in azimuth $161^{\circ}40'01''$.
 X-1,740,613.68 Y-623,262.12 El.1433.391 ft.
 21-L-3 TT 1936; Kiowa Co., 2.45 mi. S. of NE cor. Gotebo via Gotebo-Cooperton Road; near center E. line of SE SE NE sec. 34, T7N, R16W; 64 ft. W. of C/L road; 3 ft. W. & 4 ft. N. of field fence cor. in edge of field; 279 ft. N. of E-W $\frac{1}{2}$ sec. line fence; 18 ft. S. of 8" blazed mulberry tree near W R/W fence. C/L apex white farmhouse about 1 mi. in azimuth $240^{\circ}38'02''$. C/L chimney unpainted farmhouse about 3 mi. in azimuth $318^{\circ}08'32''$. C/L Gotebo Water Tower about $3\frac{1}{2}$ mi. in azimuth $165^{\circ}11'47''$.
 X-1,740,495.64 Y-621,164.10 El.1436.744 ft.
 21-L-4 TT 1936; Kiowa Co., 3.7 mi. S. of NE cor. Gotebo via Gotebo-Cooperton Road; near center W. line SW sec. 2, T6N, R16W; 29 ft. E. of C/L; 3 ft. E. of E R/W fence in pasture; 7 ft. N. gate post, 0.3 mi. N. of Kiowash Oil Co. Filling Sta.; C/L W. apex unpainted farmhouse about 2 mi. in azimuth $287^{\circ}05'41''$. C/L E. apex white farmhouse about 2 mi. in azimuth $35^{\circ}34'56''$. C/L Gotebo Water Tower about 4 mi. in azimuth $170^{\circ}00'21''$.
 X-1,740,534.51 Y-614,890.05 El.1429.310 ft.
 21-L-5 TT 1936; Kiowa Co., 4.5 mi. S. of NE cor. Gotebo via Gotebo-Cooperton Road; near SW cor. NE sec. 11, T6N, R16W; 35 ft. E. of C/L; 2 ft. N. & 6.5 ft. E. of E-W $\frac{1}{2}$ sec. R/W fence cor. in edge of field; $\frac{1}{2}$ mi. S. of Kiowash Filling Sta. C/L W. gable white farmhouse about 3 mi. in azimuth $265^{\circ}33'24''$. C/L W. apex white farmhouse about $2\frac{1}{2}$ mi. in azimuth $319^{\circ}45'54''$. C/L E. apex white farmhouse about 1 mi. in azimuth $110^{\circ}44'44''$.
 X-1,740,542.70 Y-610,500.74 El.1422.657 ft.
 21-L-6 TT 1936; Kiowa Co., 5.4 mi. S. of NE cor. Gotebo via Gotebo-Cooperton Road; near center E. line SE SE NE sec. 15, T6N, R16W; 32 ft. W. of C/L; 3 ft. W. of W R/W fence in edge of field; 565 ft. N. of E-W $\frac{1}{2}$ sec. & W R/W fence cor. C/L peak of S. bldg. Mt. Rainey Indian School about 1 mi. in azimuth $273^{\circ}42'26''$. C/L chimney white farmhouse about $1\frac{1}{2}$ mi. in azimuth $335^{\circ}35'46''$. C/L S. chimney 2 story yellow farmhouse about 1 mi. in azimuth $67^{\circ}07'51''$.

- X-1,740,443.07 Y-605,880.10 El.1419.922 ft.
 21-L-7 TT 1936; Kiowa Co., 7.4 mi.S. of NE cor. Gotebo via Gotebo-Cooperton Road; near center W. line of SW SW NW sec. 20, T6N, R16W; 30 ft. E. of C/L; 2 ft. E. of R/W; fence in field; 384 ft. N. of E-W $\frac{1}{2}$ sec. fence; 500 ft. NE of faded white farmhouse W. of road. C/L E. apex white farmhouse about $\frac{3}{4}$ mi. in azimuth $50^{\circ}10'35''$. C/L E. apex of roof white farmhouse about 1 mi. in azimuth $108^{\circ}29'30''$. C/L W. chimney 2 story yellow farmhouse about 2 mi. in azimuth $145^{\circ}00'40''$.
- X-1,740,473.46 Y-595,143.42 El.1420.163 ft.
 21-L-8 TT 1936; Kiowa Co., 8.9 mi.S. of NE cor. Gotebo via Gotebo-Cooperton Road; near center W. line SW SW sec. 35, T6N, R16W; 5.3 mi. N. of Cooperton; 37 ft. E. of C/L; 7 ft. E. of E R/W fence in pasture; 528 ft. N. of approx. sec. cor. & center of "T" road W. at foot small hill. C/L E. apex white farmhouse about $\frac{3}{4}$ mi. in azimuth $80^{\circ}06'10''$ C/L chimney unpainted farm house about $1\frac{1}{2}$ mi. in azimuth $114^{\circ}02'40''$. C/L S. chimney 2 story yellow farmhouse about 2.5 mi. in azimuth $160^{\circ}09'10''$.
- X-1,740,447.03 Y-587,421.21 El.1420.923 ft.
 21-L-9 TT 1936; Kiowa Co., 10.05 mi.S. of NE cor. Gotebo via Gotebo-Cooperton road; 4.15 mi. N. of Cooperton; near NE cor. sec. 10, T5N R16W; 31 ft. W. of C/L; 3 ft. E. of W R/W fence; 59 ft. S. & 36.5 ft. E. of SE cor. green trimmed white house occupied by Lamerick, W. of road. C/L W. apex 2 story white farmhouse about 3 mi. in azimuth $245^{\circ}06'21''$. Cooper Sta. about 5 mi. in azimuth $328^{\circ}30'26''$. C/L E. apex unpainted farm house about 3 mi. in azimuth $73^{\circ}00'26''$.
- X-1,740,241.61 Y-581,148.48 El.1451.873 ft.
 21-L-10 TT 1936; Kiowa Co., 11 mi.S. & 0.5 mi.W. of NE cor. Gotebo via Gotebo-Cooperton road; 3.2 mi. N. & 0.5 mi. W. of Cooperton; near NE cor. NW sec. 15, T5N, R16W; 32 ft. S. of C/L of E-W sec. line road; 3 ft. S. & 4 ft. W. of N-S $\frac{1}{2}$ sec. line; about 200 ft. SE of abandoned farm shack, 0.35 mi. W. of sq. white farmhouse S. of sec. line. Cooper Sta. about 5 mi. in azimuth $317^{\circ}04'55''$. C/L N. gable yellow farmhouse about $\frac{3}{4}$ mi. in azimuth $25^{\circ}42'55''$. C/L chimney white farmhouse about $\frac{3}{4}$ mi. in azimuth $89^{\circ}22'05''$.
- X-1,736,953.77 Y-576,207.81 El.1471,899 ft.
 See 21-K-32 TT 1935; Junction Station.

Traverse 21-M; Caddo Co.
 21-A-39 TT 1934 to 21-J-14 TT 1936.
 South Projection.

- See 21-A-39 TT 1934; Junction Station.
 21-M-A Intermediate; Caddo Co., 163 ft. N. & 115 ft. W. of NW cor. 3 story brick school house Washita; near NE cor. SW SW SE sec. 3, T7N, R11W; 30 ft. S. of C/L E-W road; 2 ft. N. of S R/W fence; consists of 3 ft. length of 1 ft. pipe set in concrete, bolt end with center mark for point, set in mound $4\frac{1}{2}$ ft. diameter. C/L W. apex white house green roof $\frac{1}{4}$ mi. in azimuth $236^{\circ}36'07''$. NE cor. brick school house, Washita about 300 ft. in azimuth $307^{\circ}14'27''$. C/L N. apex unpainted farmhouse about $\frac{1}{2}$ mi. in azimuth $42^{\circ}13'47''$.
- X-1,896,480.78 Y-644,095.97 El.1267.321 ft.
 21-M-1 TT 1936; Caddo Co., 1.5 mi.S. & 0.1 mi.W. of Washita school; near NE cor. SE SE NW sec. 15, T7N, R11W; 27 ft. W. of C/L N-S $\frac{1}{2}$ sec. line road; 8 ft. W. of W R/W fence in pasture; 667 ft. N. of E-W $\frac{1}{2}$ sec. fence atop high point of road S. of Washita. C/L W. apex tan farmhouse $\frac{1}{2}$ mi. in azimuth $241^{\circ}24'21''$. C/L N. apex large white farmhouse $\frac{3}{4}$ mi. in azimuth $151^{\circ}46'06''$. C/L top Ft. Cobb Water Tower 7 mi. in azimuth $107^{\circ}10'41''$.
- X-1,895,919.00 Y-636,345.25 El.1361.362 ft.
 21-M-2 TT 1936; Caddo Co., 1.15 mi. N. of junction OK Hwy. #9 & US Hwy. #62, 8 mi. SW of Anadarko; 3 mi. S. & $\frac{1}{2}$ mi. W. of Washita School House; near NW cor. SW SW SW sec. 22, T7N, R11W; 34 ft. E. C/L N-S sec. line road; in range S. side faded white farmhouse W. of road; 5.5 ft. E. of E R/W fence in pasture; 744 ft. N. of E-W sec. line. C/L top Anadarko Water Tower 8 mi. in azimuth $260^{\circ}59'25''$. C/L N. apex large white farmhouse $\frac{1}{2}$ mi. in azimuth $356^{\circ}04'55''$. C/L N. gable yellow farmhouse 2 mi. in azimuth $49^{\circ}05'50''$.
- X-1,893,309.88 Y-628,587.83 El.1384.567 ft.
 21-M-3 TT 1936; Caddo Co., 0.45 mi. N. of junction OK Hwy. #9 & US Hwy. #62, 8 mi. SW of Anadarko; near center E. line NE NE SE sec. 28, T7N, R11W; 28 ft. W C/L N-S sec. line road; 2 ft. E. of W R/W fence; 472 ft. S. of E-W $\frac{1}{2}$ sec. line fence; 280 ft. N. of N. side extended W. of farmhouse E. of road. C/L W. apex yellow farmhouse about $\frac{1}{2}$ mi. in azimuth $262^{\circ}55'31''$. C/L top roof small white house about 1 mi. in azimuth $15^{\circ}13'14''$ C/L E. apex white bungalow about $\frac{3}{4}$ mi. in azimuth $123^{\circ}36'14''$.
- X-1,893,214.02 Y-624,916.98 El.1379.233 ft.
 21-M-4 TT 1936; Caddo Co., 0.85 mi.S. of junction OK Hwy. #9 & US Hwy. #62, 8 mi. SW of Anadarko; 9.35 mi. N. of NE cor. of Apache via Hwy. #62; near NE cor. SW SW SW sec. 34, T7N, R11W; 54 ft. E. of E R/W fence in pasture; 155 ft. S. of E-W field fence; 800 ft. NE yellow farmhouse which is atop hill W. of road; monument is opposite the approx. center of ascending curve to N. & E. C/L S. gable large brown bungalow 1 mi. in azimuth $191^{\circ}12'45''$. C/L W. apex white farmhouse about 2 mi. in azimuth $292^{\circ}12'20''$. C/L E. apex yellow farmhouse about $\frac{1}{2}$ mi. in azimuth $46^{\circ}31'25''$.
- X-1,893,467.88 Y-618,083.09 El.1360.446 ft.
 21-M-5 TT 1936; Caddo Co., 1.2 mi.S. of junction OK Hwy. #9 & US Hwy. #62, 8 mi.

SW of Anadarko; 9 mi.N. of NE cor. Apache Via Hwy.#62; in NW,NW,sec.3,T6N,R11W; 98 ft.SW of C/L US Hwy.#62; 2.5 ft.S. of S.R/W fence in pasture; opposite center of ascending curve to N. & W. 240 ft.S. & 23 ft.E. of 4 ft. concrete culvert headwall near PT of this curve. C/L S.apex brown farmhouse about 2 mi.in azimuth 179°58'50". C/L apex white 1 story farmhouse about 1½ mi.in azimuth 288°29'00". C/L W.apex 1 story farmhouse about 2½ mi.in azimuth 327°45'40".

X-1,894,683.98 Y-616,756.09 El. 1343.918 ft.

21-M-6 TT 1936; Caddo Co., 8.2 mi.N. of NE cor. of Apache Via US Hwy.#62; in SW,SW,sec.3,T6N,R11W; 50 ft.E. of C/L; opposite approx. center of ascending curve to NW; atop first hill N. of small filling station W. of road; 2.5 ft.E. of E.R/W fence in pasture; 900 ft.N. of C/L E-W sec. line cross road. C/L A nadarko Water Tower 10 mi.in azimuth 226°32'20". C/L W.apex white farmhouse 1½ mi.in azimuth 269°21'55". C/L NW apex yellow farmhouse ¼ mi.in azimuth 341°08'15".

X-1,894,266.58 Y-612,890.73 El. 1386.379 ft.

21-M-7 TT 1936; Caddo Co., 7.5 mi.N. of NE cor. Apache; Via US Hwy.#62; near centerline (E.) sec.9,T6N,R11W; 48 ft.W. of C/L; top of 8 ft. cutbank; 2.5 ft.E. of W. R/W fence and in line with E-W ½ sec. fence to E. C/L W.apex yellow farmhouse about 1¼ mi.in azimuth 219°28'57". C/L W.apex small yellow bungalow about 1 mi.in azimuth 258°18'21". C/L E.apex large 2 story yellow farmhouse about 2 mi.in azimuth 28°25'17".

X-1,893,220.01 Y-609,426.78 El. 1323.794 ft.

21-M-8 TT 1936; Caddo Co., 6 mi.N. of NE cor. of Apache; near NW cor.sec.22,T6N,R11W; 75 ft. E. of C/L US Hwy.#62; 3 ft.E. & 3 ft.S. of SE R/W fence cor.at sec.cor.& road intersection; in NW cor. blackjack wooded tract atop highest hill on Hwy.#62, (the divide). C/L N.apex 2 room farmhouse 200 yds.in azimuth 32°27'15". C/L E.gable white farmhouse about 1 ¾ mi.in azimuth 90°57'55". C/L S.gable unpainted 2 story farmhouse about 2 mi.in azimuth 150°35'45".

X-1,893,295.59 Y-601,475.60 El. 1413.598 ft.

See 21-J-14 TT 1935; Junction Station.

Traverse 25-A; Stephens, Cotton & Jefferson Counties.
Duncan Tri. Sta., to Hastings Tri.Sta.,
South Projection.

Duncan Tri.Sta., Stephens Co., About 5 mi.W. & 1½ mi.S. of Duncan in sec.16,T1S,R8W. The station is marked according to Note 1.

Reference Mark destroyed.

The quarter sec. stone common to secs.9 & 16 is 1442 ft. from station in azimuth 217°29'00".

The station was recovered in 1933 by N.E.Wolfard and found in good condition except that it was buried beneath 2 ft. of earth formerly used as foundation for a 1600 bbl.water tank (oil field); broken pieces of concrete were found buried at the original location of the reference mark; a new reference mark was established 379.54 meters (1245.2 ft.) from station in azimuth 5°06'41". The reference mark is a standard USC&GS & State Survey Tablet set in a precast concrete block 6" square and 3 ft.long, the top being flush with surface of the ground; tablet was stamped Az.R-25-A-1934; the corner stone originally used as reference had been destroyed.

X-1,986,100.35 Y-415,525.06 El. 1224.414 ft.

25-A-1 TT 1934; Stephens Co., 5 mi.W. & 1.5 mi.S. of Bois d'Arc St. & US Hwy.#81 at SW cor.Duncan; ½ mi.S. of NE cor.sec.17,T1S,R8W; W.side county road 2 ft.E. of R/W fence line; Empire Cons. School is about ½ mi.S. 75°W. from sta. stone. N. peak Empire Cons. School in azimuth 15°24'45". S. chimney farmhouse 1½ mi.in azimuth 64°41'48". Chimney farmhouse 1 mi.in azimuth 126°33'58".

X-1,984,322.15 Y-414,515.32 El. 1197.194 ft.

25-A-2 TT 1934; Stephens Co., 5 mi.W. & 2¼ mi.S. cor. of US Hwy.#81 & Bois d'Arc St. at SW cor. Duncan; 0.2 mi.S. of NW cor.sec.21,T1S,R8W; on E.side Co. road; 2 ft. W. of E.R/W fence line; Empire Cons. School is about ¼ mi. N.45°W. from Sta. W.end of roof ridge red barn 4 mi. in azimuth 304°18'58". C/L chimney square house 4 mi.in azimuth 45°55'40". Stone N. peak Empire Cons. School in azimuth 134°02'40".

X-1,984,323.63 Y-410,387.54 El. 1189.932 ft.

25-A-3 TT 1934; Stephens Co., 5 mi.W. & 3 mi.S. of SW cor.Duncan; NE of Co.road intersec. about 1.7 mi.N. of Empire City; about 1½ ft.SE from field fence cor.with R/W fence. C/L chimney unpainted house 3½ mi.in azimuth 234°31'27". C/L N. chimney house ½ mi.in azimuth 04°28'52". Stone N.peak Empire Cons. School, Azi.169°21'07".

X-1,984,385.00 Y-406,143.64 El. 1114.743 ft.

25-A-4 TT 1934; Stephens Co., 5.35 mi.W. & 3 mi.S. of cor.US Hwy.#81, Bois d'Arc St.at SW cor.Duncan; 0.35 mi.W. NE cor.sec.29,T1S,R8W; on S.side Co. road 2 ft. N. of R/W fence line; opposite unpainted farmhouse on N.side of road. C/L N. chimney white house ½ mi.in azimuth 318°11'21". Stone N.peak Empire Cons.School,Azi. 189°59'54".

X-1,982,511.81 Y-406,088.58 El. 1157.301 ft.

25-A-5 TT 1934; Stephens Co., 3 mi.S. & 6.4 mi.W. of SW cor.Duncan; 0.4 mi.W. of NE cor.sec.30,T1S,R8W; on S. side Co. road; 2 ft.N. of R/W fence line; C/L N. chimney white house 1½ mi.in azimuth 284°32'52". C/L E.chimney 2 story unpainted T-shaped house 1¼ mi. in azimuth 145°08'57". Stone N.peak Empire School in azimuth 269°56'34".

- X-1,976,849.30 Y-406,082.58 El.1122.793 ft.
25-A-6 TT 1934; Stephens Co., 3 mi.S. & 8.15 mi.W. of SW cor. Duncan; 0.15 mi.W. SE cor. sec. 23, T1S. R9W; on N. side Co. road 2 ft. S. of R/W fence line; Empire School bears approx. N. 40° E. from sta. C/L chimney square house 1 1/4 mi. in azimuth 60° 53' 22". Peak of roof 2 story white house approx. 2 mi. in azimuth 124° 05' 29". Stone N. peak Empire Cons. School in azimuth 251° 33' 32".
- X-1,967,951.45 Y-406,100.20 El.1075.883 ft.
25-A-7 TT 1934; Stephens Co., 3 mi.S. & 8.5 mi.W. of SW cor. Duncan; 0.5 mi.W. SE cor. sec. 23, T1S. R9W; on N. side of Co. road 1 1/2 ft. S. R/W fence line; farmhouse approx. 100 ft. W. & 600 ft. N. of sta. C/L chimney square house 1/2 mi. in azimuth 46° 41' 30". Peak of roof 2 story white house 1 1/4 mi. in azimuth 127° 36' 15". Stone of N. peak of roof Empire Cons School in azimuth 253° 30' 13".
- X-1,966,072.42 Y-406,120.85 El.1069.810 ft.
25-A-8 TT 1934; Cotton Co., 3 mi.S. & 10.6 mi.W. of SW cor. Duncan; 0.6 mi.W. of Stephens-Cotton Co. line; near NE cor. NW sec. 28, T1S. R9W; on S. side Co. road 2 ft. N. of R/W fence line; Little Beaver Creek is about 1 mi. E. of sta.; Beaver Ridge School house about 0.4 mi. W. of Sta. C/L chimney yellow farmhouse about 3/4 mi. in azimuth 29° 36' 22". S. chimney Beaver Ridge Schoolhouse N. of road 1/4 mi. in azimuth 97° 24' 37". Stone N. peak Empire Cons. School in azimuth 259° 35' 57".
- X-1,955,013.32 Y-406,043.21 El.1049.450 ft.
25-A-9 TT 1934; Cotton Co., 11 mi.W. & 3.45 mi.S. of SW cor. Duncan; 0.45 mi.S. of NW cor. sec. 28, T1S. R9W; Beaver Ridge Schoolhouse is about 0.1 mi. N. of cor. on E. side of sec. line road about 2 ft. N. of R/W fence line. Stone N. peak Empire Cons. School in azimuth 256° 25' 28". W. chimney yellow farm bungalow 5/8 mi. in azimuth 15° 50' 31". Peak 2 story white house W. side road 1 1/2 mi. in azimuth 179° 07' 26".
- X-1,952,856.92 Y-403,876.85 El.1067.719 ft.
25-A-10 TT 1934; Cotton Co., 11 mi.W. & 4.4 mi.S. of SW cor. Duncan; 0.4 mi.S. of NW cor. sec. 33, T1S. R9W; on E. side of road; 2 ft. W. R/W fence & S. of SW cor. of orchard near farmhouse E. of road. Stone N. peak Empire Cons. School in azimuth 247° 43' 58". Chimney N. slope Fairland School E. of Little Beaver Creek 2 3/4 mi. in azimuth 317° 59' 58". W. chimney yellow farm bungalow 1/4 mi. in azimuth 153° 25' 58".
- X-1,952,868.39 Y-398,752.97 El.1054.153 ft.
25-A-11 TT 1934; Cotton Co., 5 mi.S. & 11.5 mi.W. of SW cor. Duncan; 0.6 mi.W. of sec. 5, T2S. R9W; on S. side sec. line road; 2 ft. N. of R/W fence line. Stone N. peak Empire Cons. School in azimuth 244° 16' 07". E. chimney brick red roof farmhouse 1 1/4 mi. in azimuth 34° 01' 42". W. chimney yellow farm bungalow 1 1/4 mi. in azimuth 193° 23' 57".
- X-1,950,711.46 Y-395,495.21 El.1060.053 ft.
25-A-12 TT 1934; Cotton Co., 12 mi.W. & 5 3/4 mi.S. of SW cor. Duncan; 0.1 mi.N. of SW cor. sec. 5, T2S. R9W; on E. side sec. line road; 2 ft. W. R/W fence. E. chimney brick farmhouse, red tile roof, in azimuth 36° 18' 48". Chimney yellow farmhouse on skyline 1 1/2 mi. in azimuth 62° 12' 18". W. chimney yellow farm bungalow 2 1/2 mi. in azimuth 203° 43' 58".
- X-1,947,575.21 Y-390,712.95 El.1012.134 ft.
25-A-13 TT 1934; Cotton Co., 12 mi.W. & 6 1/4 mi.S. of SW cor. Duncan; 0.3 mi.S. of NW cor. sec. 8, T2S. R9W; on E. side sec. line road, 2 ft. W. R/W fence line. Chimney 2 story white house 4 mi. in azimuth 50° 12' 05". Chimney yellow farmhouse 1 1/2 mi. in azimuth 70° 43' 42". E. chimney brick farmhouse in azimuth 106° 28' 25".
- X-1,947,569.86 Y-388,825.87 El.1005.987 ft.
25-A-14 TT 1934; Cotton Co., 7 mi.S. & 11.9 mi.W. of Duncan; 0.1 mi.E. of cor. sec. 8, T2S. R9W; on N. side sec. line road, set in conglomerate knoll about 3 ft. S. R/W fence line; Standard disk set in hole in rock built up to resemble mounment projecting 1" above surface of ground. N. end ridge large barn 1 1/2 mi. in azimuth 63° 44' 17". E. end ridge hay barn 3 1/2 mi. in azimuth 138° 12' 07". E. chimney brick farmhouse 3/4 mi. in azimuth 160° 20' 54".
- X-1,947,906.34 Y-385,040.20 El.983.075 ft.
25-A-15 TT 1934; Cotton Co., 7 mi.S. & 11 1/4 mi.W. of Duncan; 0.3 mi.W. of SE cor. sec. 8, T2S. R9W; on N. side road 2 ft. S. R/W fence line. Chimney yellow farmhouse 3 mi W. in azimuth 90° 20' 24". Chimney white house 4 mi. in azimuth 112° 14' 06". Chimney unpainted farmhouse 1 3/4 mi. in azimuth 299° 44' 24".
- X-1,950,487.04 Y-385,032.51 El.992.610 ft.
25-A-16 TT 1934; Cotton Co., 7 mi.S. & 10 1/4 mi.W. of Duncan; 0.3 mi.W. of NE cor. sec. 16, T2S. R9W; on S. side road, 2 ft. N. R/W fence line. C/L W. chimney yellow farm bungalow 1/2 mi. in azimuth 163° 44' 25". C/L Hastings water tower in azimuth 349° 37' 20". C/L chimney yellow farmhouse N. side road 4 mi. in azimuth 270° 23' 05".
- X-1,956,493.06 Y-384,979.50 El.1032.359 ft.
25-A-17 TT 1934; Stephens Co., 10 mi.W. & 7 3/4 mi.S. of Duncan; 0.12 mi.N. of SW cor. sec. 15, T2S. R9W; on E. side road 2 ft. W. R/W fence line. C/L chimney farmhouse 0.6 mi. in azimuth 218° 02' 42". C/L chimney farmhouse 1 1/4 mi. in azimuth 345° 47' 29". C/L chimney large brown house 1 3/8 mi. in azimuth 11° 03' 08".
- X-1,958,122.23 Y-380,365.57 El.1007.293 ft.
25-A-18 TT 1934; Stephens Co., 10 mi.W. & 8 3/4 mi.S. of Duncan; 0.26 mi.N. of SW cor. sec. 22, T2S. R9W; on E. side of road, 2 ft. W. R/W fence line. C/L chimney unpainted square farmhouse 1 1/2 mi. in azimuth 193° 48' 25". C/L chimney small white house N. side

- Comanche-Walters gravel road $\frac{1}{2}$ mi. in azimuth $311^{\circ}49'05''$. C/L chimney 2 story red house on Comanche-Walters Road $\frac{1}{2}$ mi. in azimuth $41^{\circ}21'17''$.
 X-1,958,119.14 Y-375,887.45 El.1016.805 ft.
- 25-A-19 TT 1934; Cotton Co., 10 mi. W. & $\frac{1}{2}$ mi. S. of intersection US Hwy. #70 & US Hwy. #81 at center of Comanche; 28 ft. W. & 40.5 ft. N. of SE cor. sec. 21, T2S, R9W; E. chimney white farmhouse $2\frac{1}{2}$ mi. in azimuth $340^{\circ}34'34''$, C/L chimney farmhouse 1 mi. in azimuth $0^{\circ}33'49''$. Chimney 2 story house 2 mi. in azimuth $90^{\circ}13'21''$.
 X-1,958,057.36 Y-374,499.04 El.1009.289 ft.
- 25-A-20 TT 1934; Stephens Co., $9\frac{1}{2}$ mi. W. & $\frac{1}{2}$ mi. S. of Comanche; 0.28 mi. W. of NE cor. sec. 27, T2S, R9W; on S. side US Hwy. #70 & 2 ft. N. R/W fence line. C/L chimney schoolhouse at Corum $3/4$ mi. in azimuth $277^{\circ}33'07''$. Hastings water tower in azimuth $353^{\circ}40'09''$. C/L chimney 2 story house about $2\frac{1}{2}$ mi. in azimuth $90^{\circ}30'22''$.
 X-1,961,865.84 Y-374,396.43 El.1040.317 ft.
- 25-A-21 TT 1934; Stephens Co., 9 mi. W. & 2 mi. S. of Comanche; 0.64 mi. S. of NE cor. sec. 34, T2S, R9W; on W. side of road; 2 ft. E. of R/W fence line. N. peak Empire Cons School in azimuth $203^{\circ}53'46''$. C/L chimney school house at Corum in azimuth $213^{\circ}48'51''$. Temple water tower in azimuth $56^{\circ}35'28''$.
 X-1,963,284.06 Y-365,825.35 El.1028.030 ft.
- 25-A-22 TT 1934; Stephens Co., 9 mi. W. & $2\frac{3}{4}$ mi. S. of Comanche; 0.17 mi. S. of NE cor. sec. 3, T3S, R9W; on W. side of road, 2 ft. E. R/W fence line. Hastings water tower in azimuth $353^{\circ}55'06''$. Temple water tower in azimuth $59^{\circ}51'03''$. C/L chimney 2 story T-shaped farmhouse $6\frac{1}{8}$ mi. in azimuth $121^{\circ}10'21''$.
 X-1,963,285.27 Y-363,029.17 El.1025.000 ft.
- 25-A-23 TT 1934; Stephens Co., 9 mi. W. & $3\frac{3}{4}$ mi. S. of Comanche; 0.25 mi. S. of NW cor. sec. 11, T3S, R9W; on E. side of road; 8 ft. W. of R/W fence line. C/L chimney square house 2 mi. in azimuth $229^{\circ}27'39''$. N. end gable farmhouse 4 mi. in azimuth $47^{\circ}14'09''$. C/L chimney white house 2 mi. in azimuth $101^{\circ}40'14''$.
 X-1,963,353.23 Y-357,298.20 El.969.339 ft.
- 25-A-24 TT 1934; Stephens Co., 9 mi. W. & 5 mi. S. of Comanche; 0.5 mi. S. of NE cor. sec. 15, T3S, R9W; on W. side of road; 2 ft. E. of R/W fence line. Chimney on square house $3\frac{1}{2}$ mi. in azimuth $203^{\circ}31'55''$. Hastings water tower in azimuth $350^{\circ}50'42''$. Chimney on white house 3 mi. in azimuth $137^{\circ}11'45''$.
 X-1,963,288.30 Y-350,717.08 El.973.411 ft.
- 25-A-25 TT 1934; Jefferson Co., 1 mi. W. & 3 mi. N. of NE cor. Hastings; 33 ft. E. & 25 ft. N. of approx. SW sec. 22, T3S, R9W; on N. side of road, 2 ft. S. R/W fence line. N. peak Empire Cons. School in azimuth $196^{\circ}21'56''$. Hastings water tower in azimuth $346^{\circ}37'28''$. C/L 2 story white farmhouse directly in line with Mt. Scott in azimuth $144^{\circ}16'56''$.
 X-1,963,322.07 Y-342,837.43 El.1011.846 ft.
- 25-A-26 TT 1934; Jefferson Co., 1 mi. W. & $1\frac{1}{2}$ mi. N. of NE cor. Hastings; 0.42 mi. S. of NE cor. sec. 34, T3S, R9W; on W. side of road, 2 ft. E. R/W fence line. C/L chimney Ferguson Schoolhouse, white frame bldg. facing W., 3 mi. in azimuth $237^{\circ}23'16''$. Hastings water tower in azimuth $335^{\circ}29'50''$. Peak cupola brown hay barn $3/4$ mi. in azimuth $176^{\circ}13'21''$.
 X-1,963,246.44 Y-335,324.22 El.1041.005 ft.
- 25-A-27 TT 1934; Jefferson Co., 1 mi. W. & $\frac{1}{2}$ mi. N. of NE cor. Hastings; 0.7 mi. N. of SW cor. sec. 2, T4S, R9W; 2 ft. W. of E. R/W fence; directly E. of farmhouse. C/L S. chimney white farmhouse $1\frac{1}{2}$ mi. in azimuth $246^{\circ}31'55''$. Peak Hastings water tower in azimuth $316^{\circ}06'06''$. Peak Temple water tower in azimuth $108^{\circ}09'55''$.
 X-1,963,284.58 Y-330,760.96 El.1036.584 ft.
- 25-A-28 TT 1934; Jefferson Co., 1 mi. W. of NE cor. Hastings; about 50 ft. SW of approx. NE cor. sec. 10, T4S, R9W; W. side of road; 2 ft. E. of R/W fence line. Hastings water tower in azimuth $272^{\circ}17'38''$. C/L chimney 3 $3/4$ mi. in azimuth $19^{\circ}34'34''$. C/L chimney house $5/8$ mi. in azimuth $97^{\circ}50'12''$.
 X-1,963,233.65 Y-326,903.09 El.1012.904 ft.
- 25-A-29 TT 1934; Jefferson Co., 1 mi. W. & $1\frac{1}{2}$ mi. S. of NE cor. Hastings; in sec. 14 T4S, R9W; on E. side of road, 2 ft. W. R/W fence. Peak Hastings water tower in azimuth $206^{\circ}53'57''$. Peak highest of two N. Waurika water towers in azimuth $294^{\circ}30'20''$. C/L chimney on house $2\frac{1}{2}$ mi. in azimuth $38^{\circ}04'21''$.
 X-1,963,281.50 Y-319,125.11 El.967.909 ft.
- 25-A-30 TT 1934; Jefferson Co., 1 mi. W. & $2\frac{3}{4}$ mi. S. of NE cor. Hastings; SE SE cor. sec. 22, T4S, R9W; 125 ft. S. & 75 ft. W. of SE cor. Mt. Home School yard; 24 ft. E. & 209 ft. S. of SE cor. Mt. Home School bldg. Hastings water tower in azimuth $195^{\circ}19'34''$. Temple water tower in azimuth $130^{\circ}36'19''$.
 X-1,963,134.55 Y-312,105.21 El.1008.852 ft.
- Hastings Tri. Sta. (Jefferson Co., E. O. Heaton, 1923). About 8 mi. W. & $1\frac{1}{2}$ mi. N. of Waurika; 3 mi. S. & 1 mi. W. of Hastings; $\frac{1}{2}$ mi. E. of Jefferson-Cotton Co. line; in NE cor SW sec. 27, T4S, R9W, on land belonging to W. J. Johnson, and rented by Bill Hall, on E. end of rather prominent ridge about 600 meters (1,968 ft.) N. of Hall's house. Surface and underground marks are standard disk station marks in concrete, notes 1A & 7A. Reference marks standard reference disk in concrete, note 11A, in fence line, 174.27 meters (571.8 ft.) from station in azimuth $08^{\circ}53'05''$. Byers, Texas water tower in azimuth $176^{\circ}48'44''$. Temple water tower in azimuth $289^{\circ}59'16''$. Hastings water

tower in azimuth 353°36'39"; Cupola Hastings High School in azimuth 354°06'14".
 X-1,960,151.81 Y-307,952.72 El. 1028.713 ft.

Traverse 25-B. Harmon and Jackson Counties
 Gould Tri.,Sta., to Hess Tri.,Sta.
 South Projection.

Gould Triangulation; Harmon Co., The mark is about $\frac{1}{2}$ mi. NE of Gould; in NE of sec. 6, T2N. R24W; on land owned by J. E. Willingham who lives about $\frac{1}{2}$ mi. W. of sta. in first house N. of the RR Tracks & about 100 meters E. of the hwy. The station is on the highest point on the extreme southern end of ridge with bluff on E. & S. sides & 54 meters E. of the N. & S. fence line where this fence turns W. To Ref. Mark No. 1 in azimuth 3°29'57"; To Gould Ref. & Az. Sta. in azimuth 95°24'36"; To Gould water tower in azimuth 74°35'17"; To Hollis water tower in azimuth 94°10'52"; to Duke water tower 274°56'54"; to Altus N. water tower in azimuth 274°17'19"; to Altus S. water tower in azimuth 277°41'32"; to Eldorado E. water tower in azimuth 334°13'17" to Eldorado W. water tower in azimuth 334°50'34".
 X-1,470,811.24 Y-492,127.90 El. 1679.834 ft.

Gould Azimuth Sta.; This mark is in Gould, Okla., two blocks E. & 3 blocks N. of main business cor. of Gould on MK&T RR R/W; 30 ft. E. of C/L of graveled N. & S. T/P. road between sec. 6, T2N. R24W; sec. 1, T2N. R25W; 36 ft. S. of C/L of MK&T track & 2 ft. E. & 3 ft. N. of R/W fence. Standard bronze disk set in concrete post, 550 ft. E. & 80 ft. S. of SE cor. of MK&T passenger depot at Gould; to Gould water tower in azimuth 352°00'44"; to chimney Gould depot in azimuth 98°49'36"; to chimney T. shaped house in azimuth 184°11'44".
 El. 1621.473 ft.

25-B-1 TT 1934; Harmon Co., 2.2 mi. E. of Gould main business cor. via US. Hwy. #62; on S. side of said Hwy. $\frac{1}{4}$ mi. W. of SE cor. sec. 8, T2N. R24W; outside of fence line; C/L chimney E. in azimuth 271°17'21"; C/L chimney house 1 $\frac{3}{4}$ mi. in azimuth 30°58'34"; Gould water tower in azimuth 100°02'49".
 X-1,476,463.20 Y-489,744.58 El. 1555.449 ft.

BM 25-B-1 b; Harmon Co., 1.9 mi. E. of Gould; mark is head of monel metal rivet set in SW cor. of headwall, concrete culvert; 0.6 mi. E. of E. line of sec. 6, T2N. R24W.
 El. 1562.101 ft.

BM 25-B-1 c; Harmon Co., a monel metal rivet set in SW cor. of headwall of a concrete culvert on US. Hwy. #62; 2.7 mi. E. of main business cor. of Gould; $\frac{1}{4}$ mi. E. of SW cor. sec. 4, T2N. R24W.
 El. 1531.512 ft.

BM-25-B-1 d; Harmon Co., monel metal rivet placed in SW cor. headwall of concrete culvert on US. Hwy. #62; 3.75 mi. E. of Gould; 0.3 mi. E. of SW cor. sec. 3, T2N. R24W.
 El. 1512.120 ft.

25-B-2 TT 1934; Harmon Co., 4.4 mi. E. of Gould; 0.15 mi. W. of SE cor. sec. 3, T2N. R24W; via US. Hwy. #62, on N. side of said hwy.; 898 ft. W. of W. edge of stucco school; 1203 ft. E. of 3 x 2 reinforced concrete culvert on US. Hwy. #62; 131 ft. from brick & concrete cistern of farmhouse S. of Hwy. 1 ft. S. of line of electric power poles; to Gould water tower in azimuth 94°52'12". C/L chimney square house in azimuth 213°33'55". C/L chimney house 3 $\frac{5}{8}$ mi. in azimuth 66°50'32".
 X-1,487,619.39 Y-489,594.51 El. 1545.479 ft.

25-B-3 TT 1934; Harmon Co., 5.2 mi. E. of Gould; via US. Hwy. #62; on S. side of hwy; 0.35 mi. W. of NE cor. sec. 11, T2N. R24W; 2.5 ft. outside of fence line & 105 ft. S. line of electric power poles. Gould water tower in azimuth 94°28'15". Duke water tower in azimuth 273°31'12". N. Altus water tower in azimuth 273°40'40".
 X-1,491,888.59 Y-489,399.88 El. 1543.203 ft.

BM-25-B-3 a; Harmon Co., 6 mi. E. of Gould; via US. Hwy. #62; mark is monel metal rivet set in SW cor. of S. headwall concrete culvert; 0.5 ft. W. of NE cor. sec. 6, T2N. R23W.
 El. 1510.787 ft.

25-B-4 TT 1934; Jackson Co., 7.05 mi. E. of Gould via US. Hwy. #62 on S. side of hwy. 0.45 mi. W. of NE cor. sec. 7, T2N. R23W; 98 ft. S. of C/L of transmission line; concrete cistern at farmhouse 329 ft. N. 60° E.; 1150 ft. W. of C/L of 2x2 concrete culvert
 Gould water tower in azimuth 93°34'08"; Duke water tower in azimuth 274°20'13"; W. chimney house $\frac{1}{4}$ mi. S. in azimuth 48°41'08".
 X-1,501,688.29 Y-489,170.48 El. 1503.728 ft.

25-B-5 TT 1934; Jackson Co., 4.2 mi. W. of Duke via US. Hwy. #62 on N. side of hwy; 0.8 mi. W. of SE cor. sec. 5, T2N. R23W; 3 ft. S. C/L transmission line; well & windmill 445.6 ft. S. & 20° W. Gould water tower in azimuth 93°05'37". C/L chimney house 1 $\frac{3}{4}$ mi. in azimuth 231°17'57". Duke water tower in azimuth 275°18'17".
 X-1,505,988.29 Y-489,215.15 El. 1492.331 ft.

BM 25-B-5a; Jackson Co., 3.3 mi. W. of Duke; mark is head of monel metal rivet set in SW cor. S. headwall of concrete culvert; approx. 1000 ft. E. of NW cor. sec. 9, T2N. R23W.
 El. 1449.584 ft.

25-B-6 TT 1934; Jackson Co., 2.3 mi. W. of Duke via US. Hwy. #62, on S. side of road; 0.25 mi. E. of NW cor. sec. 10, T2N. R23W; 2 ft. from R/W fence; 0.4 mi. W. of C/L steel hwy

- bridge; Chimney white house 1.1 mi. in azimuth $170^{\circ}04'01''$; Duke water tower in azimuth $278^{\circ}44'16''$. Chimney white house 2.8 mi. in azimuth $50^{\circ}09'14''$.
 X-1,516,064.76 Y-488,986.66 El.1436,931 ft.
 BM 25-B-6a; Jackson Co., About 1.9 mi. W. of Duke via US.Hwy.#62; mark is head of monel metal rivet set in W.backwall of 3 span steel bridge; 0.3 mi. W. of SE cor. sec.3, T2N.R23W.
 El.1420,777 ft.
- 25-B-7 TT 1934; Jackson Co., 1.1 mi. W. of Duke via US.Hwy.#62; on N. side of road opposite P.T. of curve; 0.5 mi. E. of SW cor. sec.1, T2N.R23W; E. chimney house 1 mi. in azimuth $138^{\circ}00'04''$. Duke water tower in azimuth $289^{\circ}50'39''$. W. chimney house 1.6 mi. in azimuth $51^{\circ}22'58''$.
 X-1,522,743.34 Y-488,982.81 El.1432,442 ft.
 BM 25-B-7a; Jackson Co., on N. boundary of the town of Duke; mark is monel metal rivet set in S. headwall of a double 10'x2' concrete culvert 415.5 ft. S. of C/L of OK Hwy.#34
 El.1417,850 ft.
- 25-B-8 TT 1934; Jackson Co., N. edge of town of Duke; 32 ft. S. of N. line sec.12, T2N.R23W; 25 ft. W. of C/L of street past W. side Duke Schoolhouse; 0.75 mi. E. NW cor. sec.12, T2N.R23W; concrete cistern at NW cor. yellow house 545.8 ft. Mag. bear. S. $70^{\circ}00'00''$ E.; fire hydrant 314.1 ft. mag. bear. S. $15^{\circ}00'00''$ E. Chimney house 0.6 mi. in azimuth $209^{\circ}42'43''$. Chimney stucco house Duke in azimuth $331^{\circ}07'08''$. Duke water tower in azimuth $40^{\circ}29'48''$.
 X-1,529,072.58 Y-488,829.26 El.1420,396 ft.
 BM 25-B-8a; Jackson Co., on E. boundary of Duke; mark is monel metal rivet set in W. headwall of concrete culvert 40 ft. S. of C/L US.Hwy.#62.
 El.1413,440 ft.
- 25-B-9 TT 1934; Jackson Co., Near SE edge of Duke; in SW sec.7, T2N.R22W; on MK&T RR.R/W; 43.2 ft. S. of C/L of track; 715 ft. W. C/L of US.Hwy.#62 at RR crossing; 954.8 ft. W. of MK&T RR bridge. (W.backwall #P 89-6); W. chimney on N. wing of house 0.6 mi. in azimuth $237^{\circ}15'33''$. Chimney on $\frac{1}{2}$ story brown house about 1.2 mi. in azimuth $62^{\circ}34'33''$. Duke water tower in azimuth $105^{\circ}05'50''$.
 X-1,532,168.45 Y-485,990.53 El.1415,374 ft.
 BM 25-B-9a; Jackson Co., 1.25 mi. E. of Duke; monel metal rivet set in backwall of 3 ft. span I-beam concrete bridge on US.Hwy.#62; 0.55 mi. W. of E. line sec.7, T2N.R22W.
 El.1401,451 ft.
- BM 25-B-9b; Jackson Co., 2 mi. E. of Duke; monel metal set in a double 5'x3' concrete culvert about 462 ft. W. of E. line sec 7, T2N.R22W.
 El.1392,583 ft.
- 25-B-10 TT 1934; Jackson Co., 2.5 mi. E. of Duke via US.Hwy.#62; on N. Side of road; 3 ft. from R/W fence; 1984.1 ft. E. of W. line sec.8, T2N.R22W; (along traverse). 1663 ft. W. of 2'x4' concrete culvert; N. chimney on 2 story yellow house about 1.1 mi. in azimuth $263^{\circ}20'28''$. Chimney on white house about 1.1 mi. in azimuth $295^{\circ}17'18''$. Duke water tower in azimuth $114^{\circ}18'23''$.
 X-1,538,087.66 Y-482,500.54 El.1409,773 ft.
 BM 25-B-10a; Jackson Co., 3.1 mi. E. of Duke; monel metal rivet set in S. headwall of a 2'x2' concrete culvert. 0.75 mi. W. of NE cor. sec.16, T2N.R22W.
 El.1381,714 ft.
- 25-B-11 TT 1934; Jackson Co., 3.85 mi. E. of Duke via US.Hwy.#62 at intersection of Hwy.#62 with E-W sec. line road & N-S sec line road; mark is approx. on cor. of sec 15, 16, 21, 22, T2N.R22W; 8 in. below surface of road; 71.8 ft. E. from SE cor. of concrete culvert on US.Hwy.#62; 66.3 ft. S. from SW cor. of culvert on N-S sec. line road Chimney on square white house about $\frac{1}{4}$ mi. in azimuth $242^{\circ}58'27''$ W. chimney on house about 1.2 mi. in azimuth $330^{\circ}16'07''$. Duke water tower in azimuth $116^{\circ}26'07''$.
 X-1,546,085.69 Y-478,052.45 El.1378,216 ft.
 BM 25-B-11a; Jackson Co., 3.85 mi. E. of Duke; monel metal rivet set in the center of S. headwall of a 6'x3' double box concrete culvert; approx. 78 ft. W. of SE cor. sec.16, T2N.R22W.
 El.1377,150 ft.
- 25-B-12 TT 1934; Jackson Co., 6 mi. E. of Duke via US.Hwy.#62; in SW sec.13, T2N.R22W; 1 ft. outside of R/W fence; on prominent knoll opposite the hwy. cut to S. at crest of hill; 300 ft. E. of SW cor. sec.13, 842 ft. W. of 3'x3' concrete culvert; to Duke water tower in azimuth $107^{\circ}02'22''$. Altus water tower in azimuth $263^{\circ}43'57''$. Altus compress water tower in azimuth $273^{\circ}55'05''$. Olustee water tower in azimuth $335^{\circ}06'35''$.
 X-1,556,939.24 Y-477,993.39 El.1428,742 ft.
 BM 25-B-12a; Jackson Co., 6.75 mi. E. of Duke. monel metal rivet set in SW wing wall of concrete bridge 0.75 mi. E. of SW cor. sec.13, T2N.R22W.
 El.1363,377 ft.
- 25-B-13 TT 1934; Jackson Co., 7.15 mi. W. from center of town of Altus via US.Hwy.#62; on S. side of said road 2 ft. inside R/W line; in NE cor. sec.24, T2N.R22W; cor. of headwall of 24" dia. concrete culvert are 23.78 ft. & 25.6 ft. at an angle of $151^{\circ}56'15''$ right from sta. 25-B-12. Altus water tower in azimuth $262^{\circ}22'12''$. Altus Compress water tower in azimuth $274^{\circ}07'22''$. Olustee water tower in azimuth $342^{\circ}32'02''$

25-B-26 TT 1934; Jackson Co., 11 mi. S. of Altus Courthouse, via US Hwy. #283; then 1.5 mi. E. in SE sec. 8, T1S. R20W; 927 ft. S. of E-W $\frac{1}{4}$ fence & 2.5 ft. E. of W.R/W fence; Altus Compress water tower in azimuth $167^{\circ}51'02''$.
 X-1,606,211.19 Y-421,075.38 El. 1344.692 ft.
 Hess, (Jackson Co. E.O. Heaton, 1923)-About $\frac{3}{4}$ mi. E. & $\frac{1}{2}$ mi. S. of the town of Elmer, 1 mi. W. & $\frac{1}{2}$ mi. N. of Hess, in SW NW sec. 15, T1S. R20W; on land owned by C.A. Baker & occupied by C.L. Lovett. On the highest point in a cultivated field about 175 meters (574 ft.) N. 25° W. of Lovett's house 190 meters (623 ft.) N. of E-W wagon road on the half sec. line & 140 meters (459 ft.) E. of N-S road; Surface & underground marks are standard disk sta. marks in concrete notes 1a & 7a; reference marks are standard reference disks in concrete note 11a; No. 1 is 1 ft. N. of the S. fence of roadway & 201.38 meters (660.7 ft.) from sta. in azimuth $00^{\circ}10'25''$. No 2 is at E. edge of roadway & 146.11 meters (479.4 ft.) from sta. in azimuth $93^{\circ}30'28''$.
 X-1,611,941.17 Y-417,343.19 El. 1403.617 ft.

Traverse 25-C. Jackson, Tillman, Comanche and Stephens Counties
 Hess Tri., Station to Frederick Tri., Station,
 South Projection
 Section 1.

See Terminal 25-B Traverse.

25-C-1 TT 1934; Jackson Co., 10 mi. S. & $3\frac{1}{2}$ mi. E. of Altus; 2 mi. N. of Hess; in sec 11, T1S. R20W; 533 ft. E. of NW cor. sec. 11; opposite P.C. or P.T. of hwy. curve (OK Hwy. #5); 2 ft. N. of S.R/W fence; C/L chimney on yellow farmhouse about 1.1 mi. in azimuth $106^{\circ}56'33''$; C/L chimney square white farmhouse flat roof about 1.2 mi. in azimuth $231^{\circ}28'28''$. Peak of roof on square white farmhouse 1.2 mi. in azimuth $336^{\circ}18'28''$.
 X-1,617,308.87 Y-424,551.22 El. 1292.529 ft.
 25-C-2 TT 1934; Jackson Co., 6 mi. W. & $\frac{1}{2}$ mi. S. of Tipton; 10 mi. S. & $5\frac{1}{2}$ mi. E. of Altus; 54 ft. E. of SW cor. of SW sec. 6, T1S. R19W; 2 ft. S. of N.R/W fence; C/L chimney brown (Cross) shaped farmhouse 1 mi. in azimuth $175^{\circ}59'34''$. C/L Tipton water tower in azimuth $263^{\circ}10'02''$. C/L W. chimney on yellow farmhouse 0.25 mi. in azimuth $04^{\circ}03'12''$.
 X-1,627,436.11 Y-424,444.20 El. 1292.551 ft.
 25-C-2a (Intermediate), Tillman Co., 3.5 mi. W. from intersection OK Hwy. #5 & S. Broadway, Tipton; approx. at cor. sec. 5, 4, 8 & 9, T1S. R19W; C/L Tipton Water tower in azimuth $258^{\circ}59'39''$.
 X-1,637,785.47 Y-424,313.88 El. 1249.070 ft.
 25-C-3 TT 1934; Tillman Co., 2.5 mi. W. of Tipton; in NW sec. 10, T1S. R19W; on S. side of OK Hwy. #5; 3 ft. N. of S.R/W fence; due S. of the W. side of white farmhouse on N. side of roadway; (home of L.G. Boyd). C/L chimney white farmhouse about 0.8 mi. in azimuth $154^{\circ}43'15''$. C/L Tipton water tower in azimuth $253^{\circ}12'48''$. N. gable red barn about 0.75 mi. in azimuth $321^{\circ}46'15''$.
 X-1,644,077.06 Y-424,246.45 El. 1267.996 ft.
 25-C-3a; Tillman Co., 1.1 mi. W. of Tipton in SW sec. 2, T1S. R19W; on N. side of OK Hwy. #5 in side ditch of hwy. R/W; S. gable red barn 0.5 mi. in azimuth $152^{\circ}56'58''$. C/L Tipton water tower in azimuth $234^{\circ}41'48''$. C/L dome of M.E. Church SE Main at 6th St., Tipton in azimuth $238^{\circ}50'18''$.
 X-1,650,978.04 Y-424,234.56 El. 1265.074 ft.
 25-C-4 TT 1934; Tillman Co., 0.38 mi. E. of intersection of OK Hwy. #5 & S. Bdry. Tipton; in SW sec. 1, T1S. R19W; at intersection of E-W sec. line road & MK&T RR; sta. marker is on N. side of RR exactly at point of junction shoulder of fills; 0.82 ft. below top of rail; base flag pole Tipton High School in azimuth $122^{\circ}06'55''$. C/L Tipton water tower in azimuth $150^{\circ}23'33''$. C/L chimney on two story white farmhouse about 1.1 mi. in azimuth $358^{\circ}55'28''$.
 X-1,658,281.74 Y-424,094.57 El. 1299.971 ft.
 25-C-5 TT 1934; Tillman Co., approx. 1.1 mi. S. along track from Tipton depot; on approx. E-W $\frac{1}{4}$ line in sec. 7, T1S. R19W; on MK&T RR R/W on W. side of track; midway between W.U. poles L 18-6390 & # 1 (poles are on E. side of track); on rather prominent knoll surrounded by an old gravel pit; C/L chimney on Negro Schoolhouse about 1.6 mi. in azimuth $245^{\circ}12'24''$. W. end gable red barn about 0.75 mi. in azimuth $260^{\circ}28'56''$. C/L vent pipe on Burt's Spur Grain Elevator in azimuth $316^{\circ}64'39''$.
 X-1,660,773.89 Y-421,336.09 El. 1320.621 ft.
 25-C-6 TT 1934; Tillman Co., approx. 3.1 mi. S. & E. from Tipton; in NW $\frac{1}{4}$ sec. 20, T1S. R18W; on MK&T RR R/W on E. side of track on shoulder of embankment; near NE cor. of concrete RR bridge; 2,153 ft. S. along track from MK&T RR mi. post #58; 39.31 ft. NW of W.U.T. pole #6477; C/L Tipton water tower in azimuth $140^{\circ}12'09''$; C/L vent pipe on Burt's Spur Grain Elevator in azimuth $316^{\circ}11'27''$. C/L chimney on white farmhouse 0.5 mi. in azimuth $93^{\circ}41'49''$.
 X-1,668,265.16 Y-413,316.20 El. 1320.245 ft.
 25-C-7 TT 1934; Tillman Co., 5 mi. SE along MK&T RR from Tipton; in NW sec. 27, T1S. R18W; on MK&T RR R/W on W. side of track; in center of hand car berm; just S. of cattle guard; 503 ft. S. along track from RR mi. post #56; 1000 ft. S. along track from Burt's Spur Grain Elevator & Cotton Gin; C/L vent pipe on Burt's Spur Grain Elevator in azimuth $139^{\circ}58'58''$. C/L Frederick water tower in azimuth $321^{\circ}11'58''$. C/L Frederick

- erick Compress water tower in azimuth 324°56'41".
 X-1,674,420.02 Y-406,621.14 El. 1355.220 ft.
 25-C-8 TT 1934; Tillman Co., approx. 6½ mi. SE of Tipton; in NW sec. 35, T1S, R18W; on MK&T RR R/W; on E. side of track; 4 ft. S. of cattle guard; 1.5 mi. S. from Burt's Spur Grain Elevator & Cotton Gin; near W.U.T. pole #6607; C/L vent pipe Burt's Spur Grain Elevator in azimuth 137°53'26". C/L Frederick water tower in azimuth 323°08'36". C/L Frederick Compress water tower in azimuth 327°56'38".
 X-1,679,673.76 Y-400,960.57 El. 1356.765 ft.
 25-C-9 TT 1934; Tillman Co., in sec. 1, T2S, R18W; on MK&T RR R/W approx. 1.6 mi. N. along track from depot at Frederick; 38 ft. E. of C/L of track; 78 ft. N. of RR MP. #53; 20 ft. from W.U.T. pole #6667; C/L chimney Schoolhouse 1.2 mi. in azimuth 250°10'50". C/L Frederick water tower in azimuth 326°34'58". C/L Traders Compress water tower, Frederick in azimuth 333°25'58".
 X-1,684,888.94 Y-395,264.04 El. 1352.595 ft.
 Frederick Tri. Sta.; Tillman Co. E.O. Heaton 1923-1927; on ridge just N. of town of Frederick in prolongation of 5th St. on property leased by Frank Thompson, about 175 meters (574 ft.) NW of house & 8 ft. E. of W. fence line leading N. from barn. Surface & underground marks are standard disk station marks set in concrete, notes La & 7a. Ref. marks are standard ref. disk in concrete, note 11a, placed in fence line about 18 meters (59 ft.) N. of house; 1½ ft. E. of W. edge of same & 142.805 meters (468.52 ft.) from sta. in azimuth 350°44'24".
 X-1,691,477.29 Y-390,170.37 El. 1374.417 ft.
 Section 2 - Tipton to Duncan.
- 25-C-10 TT 1936; Tillman Co., 5/8 mi. E. of Tipton; in NW cor. NE, NW, sec. 6, T1S, R18W; 50 ft. S. of C/L graveled base line road; 2 ft. E. of cross fence; 95 ft. S. and 45 ft. E. of SE cor. concrete foundation of L.A. Storm's farmhouse, OSCC Markgr. Peak Tipton water tower about ½ mi. in azimuth 71°58'34"; S. apex white farmhouse about 1½ mi. in azimuth 196°45'32"; W. apex white farmhouse about ½ mi. in azimuth 344°45'17".
 X-1,695,745.68 Y-429,059.04 El. 1316.126 ft.
 25-C-11 TT 1936; Tillman Co., 1 mi. E. of Tipton; in SE cor. sec. 31, T1N, R18W; 12 ft. N. of C/L graveled base line road, buried 8" below surface of road in N. shoulder; 40 ft. W. of C/L road to N; 10 ft. S. and 15 ft. W. of junction pole of farm tele., line to N; 111 ft. W. & 75 ft. S. of SW cor. of Bill Webb's farmhouse; OSCC marker, Peak of ornament over main entrance Tipton Orphan Home about 1 mi. in azimuth 108°39'35" S. apex white farmhouse about 1½ mi. in azimuth 181°41'52". SE cor. chimney white farmhouse about 300 ft. in azimuth 54°29'05".
 X-1,661,594.76 Y-429,111.61 El. 1328.673 ft.
 25-C-12 TT 1936; Tillman Co., 2.1 mi. E. of Tipton; in NW cor. NW NE sec. 5, T1S, R18W; 30 ft. S. C/L graveled base line road; 108 ft. S. & 45 ft. E. of SE cor. of S.W. Laing farmhouse. OSCC marker. S. apex white farmhouse 1½ mi. in azimuth 140°21'28". W. apex white farmhouse about 2 mi. in azimuth 224°11'13". N. apex #8 Negro Schoolhouse about 1 mi. in azimuth 276°36'05".
 X-1,667,471.53 Y-429,017.40 El. 1391.871 ft.
 25-C-13 TT 1936; Tillman Co., 3.85 mi. E. of Tipton; 5.15 mi. W. of Manitou in SW cor. of SE SE sec. 34, T1N, R18W; 45 ft. N. C/L graveled base line road; 2.5 ft. E. of cross fence to N.; 873 ft. W. of approx. SE cor. sec. 34. OSCC marker. E. apex white farmhouse about 1½ mi. in azimuth 144°35'13". C/L chimney white farmhouse about 1 3/4 mi. in azimuth 240°46'58". E. apex main roof white farmhouse about 1 mi. in azimuth 23°16'48".
 X-1,676,597.20 Y-429,003.20 El. 1385.201 ft.
 25-C-14 TT 1936; Tillman Co., 3.8 mi. W. of Manitou; in NE cor. NW NE sec. 2, T1S, R18W; 48 ft. S. C/L of graveled base line road; 2 ft. W. of woven wire cross fence S. OSCC marker. C/L chimney white farmhouse about 1 mi. in azimuth 157°41'17". W. apex white farmhouse about 3 mi. in azimuth 225°45'27". E. apex white farmhouse about 1½ mi. in azimuth 49°12'37".
 X-1,684,044.20 Y-428,845.95 El. 1391.912 ft.
 25-C-15 TT 1936; Tillman Co., 2.25 mi. W. of Manitou; in SE cor. SW SE sec. 31, T1N, R17W; 45 ft. N. C/L graveled base line road; 2 ft. E. of cross fence N. to farm yard of G.C. Swartz; 65 ft. S. & 100 ft. W. of SW cor. of farmhouse. OSCC marker. C/L chimney white farmhouse about 2 mi. in azimuth 111°31'37". NE cor. school bldg. at Manitou about 2½ mi. in azimuth 274°37'12". E. apex Thacker school bldg. about ½ mi. in azimuth 46°02'47".
 X-1,691,505.64 Y-428,848.86 El. 1363.836 ft.
 25-C-16 TT 1936; Tillman Co., I_n Manitou; on Frisco RR R/W; 10 ft. E. of E. rail of industrial track; 3 ft. S. & 10 ft. W. of W.U.T. pole; 30 ft. N. C/L of base line street; OSCC marker. S. apex yellow farmhouse about 1 mi. in azimuth 176°23'34". W. apex white farmhouse about 4 blocks in azimuth 275°11'14". N. apex 2 story house about 800 ft. in azimuth 330°36'39".
 X-1,703,458.81 Y-428,724.15 El. 1254.212 ft.
 25-C-17 TT 1936; Tillman Co., 2 mi. E. of Manitou; near NE cor. NW NW NE sec. 2, T1S, R17W; 40.5 ft. S. & 24.5 ft. W. of approx. SE cor. sec. 35; 40.5 ft. S. of graveled base line road; in range of W. R/W fence on sec. line "T" road to N. in small pasture

- OSCC marker. N. edge Manitou standpipe about 2 mi. in azimuth $93^{\circ}47'47''$. W. apex red farmhouse about $1\frac{1}{2}$ mi. in azimuth $297^{\circ}59'41''$. Peak Frederick water tower about 9 mi in azimuth $28^{\circ}40'47''$.
- X-1,714,322.34 Y-428,543.24 El. 1235.162 ft.
25-C-18 TT 1936; Tillman Co., 3.25 mi. E. of Manitou; near center S. line SW sec. 31, T1N, R16W; 39 ft. N. of base line road; 40 ft. S. of concrete foundation of burned house; 80.5 ft. W. of E. fence to lot around said foundation & on top of highest point of said road. OSCC marker. E. apex yellow farmhouse about 3 mi. in azimuth $107^{\circ}14'41''$. W. apex Belmont School about 2 mi. in azimuth $208^{\circ}00'43''$. W. apex red farmhouse about $\frac{3}{4}$ mi. in azimuth $179^{\circ}16'11''$.
- X-1,720,933.01 Y-428,550.41 El. 1273.881 ft.
25-C-19 TT 1936; Tillman Co., 4.63 mi. E. of Manitou; near NE cor. NW NW sec. 5, T1S R16W; 41 ft. S. of base line road on top of blue granite & mesquite covered pasture knoll; about 500 ft. W. of curve in road. OSCC marker. W. apex Belmont School about 2 mi. in azimuth $157^{\circ}36'43''$.
- X-1,728,280.27 Y-428,403.78 El. 1212.815 ft.
25-C-20 TT 1936; Tillman Co., 5.7 mi. E. of Manitou; near SE cor. SW SE sec. 33, T1N R16W; 47 ft. N. C/L base line road; near twin blazed mesquite tree also N. of road & in pasture. OSCC marker. E. apex white farmhouse about $2\frac{1}{2}$ mi. in azimuth $141^{\circ}13'28''$. C/L chimney square top farmhouse about 2 mi. in azimuth $298^{\circ}06'15''$; E. apex white farmhouse about $2\frac{1}{2}$ mi. in azimuth $67^{\circ}34'20''$.
- X-1,733,980.59 Y-428,441.55 El. 1227.204 ft.
25-C-21 TT 1936; Tillman Co., 6.6 mi. E. of Manitou; near NE cor. NW NW sec. 3, T1S R16W; 43 ft. S. C/L base line road; near NE cor. grain field; 12.3 ft. S. & 3.8 ft. W. of field fence cor. post in S. R/W fence; 984.5 ft. E & 43 ft. S. of NW cor sec. 3; about 600 ft. NW of large barn tank in mesquite covered pasture. OSCC marker. E. apex small white farmhouse about 3 mi. in azimuth $120^{\circ}22'36''$. Apex N. dormer window white farmhouse about $1\frac{1}{2}$ mi. in azimuth $314^{\circ}05'28''$. N. apex white farmhouse about $2\frac{1}{2}$ mi. in azimuth $37^{\circ}21'01''$.
- X-1,738,663.92 Y-428,307.64 El. 1240.351 ft.
25-C-22 TT 1936; Tillman Co., 7.9 mi. E. of Manitou; near SW cor. SE SE sec. 35, T1N, R16W; 452 ft. W. & 43 ft. N. of approx. SE cor. to said sec.; 43 ft. N. of base line road in edge of grain field & 3 ft. W. of range of $\frac{1}{2}$ sec. fence to S.; OSCC marker. C/L chimney unpainted farmhouse about 3 mi. in azimuth $216^{\circ}49'16''$. N. apex white farmhouse about 3 mi. in azimuth $327^{\circ}42'11''$. C/L chimney white farmhouse about 5 mi. in azimuth $69^{\circ}24'53''$.
- X-1,745,574.79 Y-428,328.27 El. 1235.927 ft.
25-C-22a; Tillman Co., 8.55 mi. E. of Manitou; near NW cor. NE NW sec. 1, T1S, R16W; 759 ft. E. & 43 ft. S. of approx. NW cor. sec. 1; 43 ft. S. C/L base line road; in N. edge of field in range of E. side of large red barn & concrete cistern, both on N. of road; 61.5 ft. E. & 13.6 ft. S. of W. gate post at S. R/W field; intermediate sta. consisting of inverted 60 d. spike in concrete cast in place. S. apex small white house about $\frac{1}{2}$ mi. in azimuth $111^{\circ}34'03''$. C/L chimney 2 story farmhouse about 2 mi. in azimuth $279^{\circ}33'11''$. C/L chimney square top farmhouse about $1\frac{1}{2}$ mi. in azimuth $42^{\circ}57'43''$.
- X-1,748,868.85 Y-428,209.79 El. 1228.917 ft.
25-C-23 TT 1936; Comanche Co., 10.15 mi. E. of Manitou; 7.6 mi. S. & 2.85 mi. W. of US Hwy #62 at W. side of Indianoma; near SW cor. SE SW sec. 32, T1N, R15W; 14 ft. N. & 2.8 ft. W. of W. gate post private drive to white farmhouse N. of road; 51 ft. N. C/L of base line road; in SE cor. of field; OSCC marker. S. apex square top house about $\frac{3}{4}$ mi. in azimuth $111^{\circ}33'16''$. S. apex red farmhouse about 1 mi. in azimuth $238^{\circ}44'08''$. W. apex Maple Dale School about 1 mi. in azimuth $346^{\circ}43'28''$.
- X-1,757,197.51 Y-428,267.89 El. 1257.740 ft.
25-C-24 TT 1936; Tillman Co., 11 mi. E. of Manitou; near NE cor. NW NW sec. 5, T1S, R15W; 38 ft. S. C/L base line road; in range with E. R/W fence on "T" road N. 135 ft. S. & 114 ft. E. of SE cor. church. OSCC marker. S. apex red farmhouse about 2 mi. in azimuth $151^{\circ}17'10''$. W. apex yellow farmhouse about $2\frac{1}{2}$ mi. in azimuth $232^{\circ}29'38''$. W. apex Maple Dale School about $1\frac{1}{2}$ mi. in azimuth $34^{\circ}41'53''$.
- X-1,761,902.91 Y-428,153.68 El. 1250.188 ft.
25-C-25 TT 1936; Comanche Co., 7.6 mi. S. & 0.05 mi. E. of Indianoma; near center of S. line SW SW sec. 35, T1N, R15W; 41 ft. N. C/L base line road; in S. edge of field & in range of W. side of small stucco farmhouse S. of road; 376 ft. E. & 41 ft. N. of approximate SW cor. sec. 35; OSCC marker. W. apex white farmhouse about 2 mi. in azimuth $259^{\circ}36'09''$. E. apex yellow farmhouse about $1\frac{1}{2}$ mi. in azimuth $135^{\circ}12'26''$. N. apex yellow farmhouse about $1\frac{1}{2}$ mi. in azimuth $30^{\circ}54'16''$.
- X-1,772,808.00 Y-428,161.67 El. 1237.821 ft.
25-C-26 TT 1936; Tillman Co., 7.6 mi. S. & 0.5 mi. E. of Indianoma; near NE cor. NW NW sec. 2, T1S, R15W; 39 ft. S. C/L of base line road in range of $\frac{1}{2}$ sec. fence N.; about 0.8 mi. W. of small filling sta. at cor. "T" road S.; 8 mi. S. & 6.53 mi. W. of Cache. OSCC marker. S. apex unpainted farmhouse about 1 mi. in azimuth $209^{\circ}31'10''$. W. apex white farmhouse about 1 mi. in azimuth $311^{\circ}19'10''$. N. apex unpainted farmhouse about 2 mi. in azimuth $37^{\circ}05'08''$.
- X-1,775,064.31 Y-428,067.70 El. 1224.871 ft.
25-C-27 TT 1936; Comanche Co., 7.6 mi. S. & 1.5 mi. E. of Indianoma; 8 mi. S. & 5.53 mi. W. of Cache; near SW cor. SE sec. 36, T1N, R15W; in cor. or field; 45 ft. N. C/L base

- line road; about 200 yds.W.of small filling sta. which is E.of "T" road S.; 13.6 ft. N.& 2 ft.E.of field N.R/W fence cor. OSCC marker. E.apex white farmhouse about $\frac{1}{2}$ mi.in azimuth $103^{\circ}20'26''$. W.apex white farmhouse about 1 mi.in azimuth $229^{\circ}01'09''$. E.apex Greb's Filling Sta.about 200 yds.in azimuth $78^{\circ}03'09''$.
 X-1,780,347.33 Y-428,114.66 El. 1243.695 ft.
- 25-C-28 TT 1936; Tillman Co., 8 mi.S.& 4.38 mi.W.of Cache; 6 mi.N.& 3.73 mi.W. of SW cor.Chattanooga; near center N.line NW $\frac{1}{4}$ sec.6, T1S.R14W; 36 ft.S.of C/L base line road; 1.5 ft.N.& 2 ft.W.of NW cor.of farm lot fence around large $1\frac{1}{2}$ story white farmhouse & red barn S.of road. OSCC marker. S.apex white farmhouse about $\frac{3}{4}$ mi.in azimuth $148^{\circ}58'03''$. N.apex white farmhouse about $\frac{3}{4}$ mi.in azimuth $288^{\circ}35'17''$. C/L chimney unpainted farmhouse about 3 mi.in azimuth $48^{\circ}27'40''$.
 X-1,786,423.25 Y-427,984.21 El. 1242.140 ft.
- 25-C-29 TT 1936; Comanche Co., 8 mi.S.& 2.85 mi.W.of Cache; 6 mi.N.& 1.2 mi.W. of Chattanooga; near SW cor.SE SW SW sec.33, T1N.R14W; 35.5 ft.N.of C/L base line road, in fence cor.; 5.5 ft.W.& 1 ft.S.of W.gate post at wooden gate in N.R/W fence private drive. OSCC marker. C/L chimney square top farmhouse about 2 mi.in azimuth $127^{\circ}44'13''$. W.apex white farmhouse about 3 mi.in azimuth $221^{\circ}09'43''$. Tip of spire on Hiawatha School about $1\frac{1}{2}$ mi.in azimuth $39^{\circ}42'21''$.
 X-1,794,588.53 Y-428,000.20 El. 1191.764 ft.
- 25-C-30 TT 1936; Comanche Co., 8 mi.S.& 1.55 mi.W.of Cache; 6 mi.N.& 0.1 mi.E. Chattanooga; near NE cor.NW NW NW sec.3, T1S.R14W; 21 ft. S.of S.R/W fence & in range of $\frac{1}{2}$ sec.fence on N.; in edge of pasture. OSCC marker. Peak Faxon water tower about 11 mi.in azimuth $307^{\circ}21'42''$. Peak Chattanooga water tower about 7 mi.in azimuth $359^{\circ}11'02''$. Tip of spire on Hiawatha School about $2\frac{1}{2}$ mi.in azimuth $65^{\circ}04'57''$.
 X-1,801,491.41 Y-427,861.73 El. 1188.612 ft.
- 25-C-31 TT 1936; Comanche Co., 8 mi.S.& 1 mi.E.of Cache; 6 mi.N.& 2.65 mi.E.of Chattanooga; near SW cor sec.31, T1N.R13W; 26 ft.N.of C/L base line road; 50.8 ft.S. of 12" blazed oak tree in sec.line fence N.; 3 ft.N.& 0.77 ft.E.of NE cor.small wooden bridge over side ditch, private drive. 6" below ground level. OSCC marker. S. apex unpainted farmhouse about $\frac{1}{2}$ mi.in azimuth $117^{\circ}17'34''$. NW apex of N.chord Cache creek bridge about $\frac{3}{4}$ mi.in azimuth $270^{\circ}43'59''$.
 X-1,814,743.37 Y-427,850.38 El. 1131.568 ft.
- 25-C-32 TT 1936; Comanche Co., 8 mi.S.& 2.35 mi.E.of Cache; 144.5 ft.E.& 35 ft. S.of approx. NW cor.sec.5, T1S.R13W; 35 ft.S.of C/L base line road, in range of E. side of old farmhouse N.of road; in N.edge of small pasture. OSCC marker. W.apex unpainted farmhouse about 1 mi.in azimuth $220^{\circ}45'20''$. Peak Faxon water tower about 7 mi.in azimuth $349^{\circ}10'27''$. N.apex white farmhouse about $1\frac{1}{2}$ mi.in azimuth $50^{\circ}48'52''$.
 X-1,821,843.39 Y-427,735.85 El. 1151.075 ft.
- 25-C-33 TT 1936; Comanche Co., 8 mi.S.& 2.75 mi.E.of Cache; 6.5 mi.S.& 10.7 mi W.of Court House at Lawton; near center S.line SE sec.32, T1N.R13W; 34 ft.N.of C/L base line road in range of field fence N. OSCC marker. S.apex white farmhouse about 2 mi.in azimuth $169^{\circ}16'33''$; Apex S.dormer window farm bungalow in azimuth $236^{\circ}46'23''$. C/L chimney square top farmhouse about $2\frac{1}{2}$ mi.in azimuth $301^{\circ}31'53''$.
 X-1,823,946.84 Y-427,782.14 El. 1134.875 ft.
- 25-C-33a: Intermediate Station; Comanche Co., 8 mi.S.& 4.75 mi.E.of Cache; 6.5 mi.S.& 8.7 mi.W. of Lawton Courthouse; near NW cor.NE NE NW sec.3, T1S.R13W; 34 ft. S.of C/L base line road; 103.5 ft.W.of range of W.side stucco farmhouse S.of road; 13 ft.W.of 2" x 3" concrete footing (gate post) in S.R/W fence; an X cut in end of $\frac{1}{2}$ " reinforcing steel bar set in concrete cast in place. S.apex yellow farmhouse about 3 mi.in azimuth $131^{\circ}01'59''$. S.apex white church about 2 mi.in azimuth $187^{\circ}03'44''$. W.apex stucco house about 200 ft.in azimuth $327^{\circ}06'34''$.
 X-1,834,314.26 Y-427,657.05 El. 1188.962 ft.
- 25-C-34 TT 1936; Comanche Co., 8 mi.S.& 5 mi.E.of Cache; 6.5 mi.S.& 8.45 mi.W. of Lawton Courthouse; near SE cor.sec.34, T1N.R13W; 57 ft.N.of C/L of baseline road NW of curve to "T" road; 129 ft.W.of its C/L produced & 175 ft.W.of range of field fence to S. 129 ft.W.& 59 ft.N.of approx.SW cor.sec.34; OSCC marker. C/L smokestack SW L&P Co.power plant, Lawton about 12 mi.in azimuth $227^{\circ}13'52''$. W.apex grey farmhouse about 3 mi.in azimuth $299^{\circ}58'02''$. Peak Faxon water tower about 10 mi.in azimuth $46^{\circ}59'32''$.
 X-1,835,718.20 Y-427,739.72 El. 1190.970 ft
- 25-C-35 TT 1936; Comanche Co., 6.5 mi.S.& 7.2 mi.W.of Lawton Courthouse; near NE cor.sec.2, T1S.R13W; 34 ft.S.of C/L base line road; 7.2 ft.W.& 2.8 ft.S.of telephone pole near fence cor.W.of intersection "T" road S.; about 200 ft.NW of concrete block farmhouse S.of road; 34 ft.S.& 34 ft.W.of approx.NE cor.sec.2. OSCC marker. S.apex white farmhouse about 2 mi.in azimuth $139^{\circ}58'59''$. S.apex unpainted farmhouse about $1\frac{1}{2}$ mi.in azimuth $202^{\circ}27'35''$. C/L chimney square top farmhouse about 2 mi.in azimuth $16^{\circ}39'34''$.
 X-1,842,714.98 Y-427,607.28 El. 1119.240 ft.
- 25-C-36 TT 1936; Comanche Co., 6.5 mi.S.& 6.2 mi.W.of Lawton Courthouse; near SW cor.SE, SE, SW, sec.31, T1N.R12W; 61 ft.E.& 46 ft.N.of approx.NE cor.sec.1; 46 ft.N. of C/L OK.Hwy.#36; about 0.2 mi.E.of its junction from SW with base line road; 5 ft W.& 4 ft.S.of E.farm lot fence N.of road; OSCC marker. W.apex white farmhouse about $1\frac{1}{2}$ mi.in azimuth $234^{\circ}15'04''$. W.apex white farmhouse about 5 mi.in azimuth $301^{\circ}08'37''$. C/L chimney unpainted farmhouse about 3 mi.in azimuth $02^{\circ}22'07''$.

Traverse in Southwestern Oklahoma

- X-1,848,072.91 Y-427,653.68 El. 1159.948 ft.
25-C-37 TT 1936; Comanche Co., 6.5 mi. S. & 4.2 mi. W. of Lawton Courthouse; near NW cor. sec. 4, T1S. R12W; 325 ft. E. & 48 ft. S. of approx. NW cor. sec. 4; 48 ft. S. of C/L OK. Hwy. #36; 387.5 ft. N. of NE cor. Antioch Church. OSCC marker. C/L smokestack of power plant of SW L&P Co. Lawton about 7 mi. in azimuth 205°37'25". W. apex white farmhouse 1 mi. in azimuth 276°51'32". E. apex red farmhouse about 3 mi. in azimuth 58°33'25".
- X-1,858,720.62 Y-427,511.73 El. 1139.405 ft.
25-C-38 TT 1936; Comanche Co., 6.5 mi. S. & 3 mi. W. of Lawton Courthouse; near SE cor. SW sec. 34, T1N. R12W; standard OSCC marker set in W. end of N. concrete headwall of 18" X 30' culvert under OK. Hwy. #36; in range of field fence to S., just SE of large farm pond or tank; C/L smokestack SW L&P Co. Power Plant, Lawton, about 7 mi. in azimuth 206°54'36". C/L chimney square top farmhouse about 4 mi. in azimuth 291°19'36". E. apex blue farmhouse about 1½ mi. in azimuth 71°52'51".
- X-1,864,862.01 Y-427,539.58 El. 1124.047 ft.
25-C-39 TT 1936; Comanche Co., 6.5 mi. S. & 1.7 mi. W. of Lawton Courthouse; near NE cor. NW sec. 2, T1S. R12W; standard OSCC bronze disk set in W. end of S. concrete head wall of a 6'x3'x 30' concrete culvert under OK. Hwy. #36; 0.25 mi. W. of junction with US. Hwy. #277; in range of ½ sec. line fence to S. S. apex white farmhouse about 1 mi. in azimuth 138°29'58". N. apex white farmhouse about 2 mi. in azimuth 318°29'18". N. apex farmhouse about 2½ mi. in azimuth 68°14'03".
- X-1,871,642.90 Y-427,468.13 El. 1089.642 ft.
25-C-40 TT 1936; Comanche Co., 6.5 mi. S. & 0.7 mi. W. of Lawton Courthouse; near SE cor. SW, SE sec. 36, T1N. R12W; 8" below road surface in shoulder of road at point 38 ft. S. of N. R/W fence in range of ½ sec. fence to S. 36 ft. S. & 33 ft. W. of telephone pole N. of road & marked "X" cut in. OSCC marker. C/L smokestack SW L&P Co. Power Plant, Lawton about 7 mi. in azimuth 190°19'39". W. apex white farmhouse about 6 mi. in azimuth 253°29'24". E. apex yellow farmhouse about 1 mi. in azimuth 40°12'32".
- X-1,876,796.55 Y-427,464.28 El. 1106.843 ft.
25-C-41 TT 1936; Comanche Co., 6.5 mi. S. & 0.55 mi. E. of Lawton Courthouse; near NW cor. NE, NE, sec. 6, T1S. R11W; 40 ft. S. of C/L base line road, in pasture; 40 ft. S. & 12 ft. W. of approx. SW cor. to sec. 31; 16.5 ft. S. & 18 ft. E. of telephone pole SW. of intersection. OSCC marker. C/L smokestack SW L&P Co. Power Plant about 7 mi. in azimuth 89°17'15". W. Apex yellow farmhouse about 1 mi. in azimuth 207°33'08". E. apex white farmhouse about ½ mi. in azimuth 353°50'50".
- X-1,883,471.41 Y-427,374.74 El. 1075.219 ft.
25-C-42 TT 1936; Comanche Co., 5.7 mi. S. & 0.55 mi. E. of Lawton Courthouse; near SW cor. NW, NW sec. 32, T1N. R11W; 42 ft. E. of C/L of N-S Co. road; 234.5 ft. N. of cross fence E; 20.5 ft. N. & 16.5 ft. E. of 12" blazed pecan tree E. of said road; about 200 yds. SW of white farmhouse also E. of road; about 0.25 mi. S. of creek bridge. OSCC marker. E. apex white farmhouse about ½ mi. in azimuth 140°08'05". W. apex white farmhouse about ½ mi. in azimuth 256°27'10". W. apex white farmhouse about 1 mi. in azimuth 351°22'22".
- X-1,885,547.03 Y-431,659.06 El. 1036.627 ft.
25-C-43 TT 1936; Comanche Co., 5.5 mi. S. & 1.2 mi. E. of Lawton Courthouse; near NW cor. NE, NW, NE, sec. 32, T1N. R11W; on E. bank of E. Cache Creek; 17 ft. E. & 38 ft. S. of SE cor. of E-W sec. line bridge over Cache Creek; 26 ft. S. of S. R/W fence & 3 ft. W. of field fence; OSCC marker. C/L chimney on farmhouse about 2 mi. in azimuth 184°52'05" C/L chimney square top farmhouse about 1½ mi. in azimuth 254°04'00".
- X-1,886,744.50 Y-432,631.19 El. 1039.449 ft.
25-C-44 TT 1936; Comanche Co., 5.5 mi. S. & 1.8 mi. E. of Lawton Courthouse; near center N. line NW ¼ sec. 33, T1N. R11W; 30 ft. S. of C/L of E-W sec. line road; about 0.6 mi. E. of bridge over E. Cache Creek; in range 40 acre field fence to N. OSCC marker. W. apex main roof blue farmhouse about ½ mi. in azimuth 156°11'27". W. apex unpainted Indian farmhouse about ½ mi. in azimuth 271°10'17".
- X-1,889,967.90 Y-432,634.79 El. 1036.519 ft.
25-C-45 TT 1936; Comanche Co., 6.0 mi. S. & 2.8 mi. E. of Lawton Courthouse; near SE cor. SW, NW, sec. 34, T1N. R11W; 0.23 mi. E. of C/L of N-S sec. line road in pasture; 106 ft. N. of E-W ½ sec. fence cor. with field fence from SW near S. end of grassy knoll about 200 ft. NW of abandoned orchard; OSCC marker. Chimney yellow farmhouse about 1 mi. in azimuth 160°18'54". W. apex white farmhouse about 2½ mi. in azimuth 335°44'14" N. apex unpainted farmhouse about ¼ mi. in azimuth 32°08'24".
- X-1,895,762.97 Y-430,112.87 El. 1094.779 ft.
25-C-46 TT 1936; Comanche Co., 6.5 mi. S. & 3.3 mi. E. of Lawton Courthouse; near SW cor. SE, SE, sec. 34, T1N. R11W; 49.5 ft. N. of C/L base line road in S. edge of large pasture. OSCC marker. C/L smokestack SW L&P Co. Power Plant about 7 mi. in azimuth 107°58'22". S. apex white farmhouse about 1½ mi. in azimuth 178°58'20". C/L chimney Geronimo School about 5 mi. in azimuth 09°06'04".
- X-1,897,939.44 Y-427,391.42 El. 1099.926 ft.
25-C-47 TT 1936; Comanche Co., 6.5 mi. S. & 5.3 mi. E. of Lawton Courthouse; near NW cor. NE sec. 1, T1S. R11W; 31.8 ft. S. of C/L baseline road; 387 ft. E. of ½ sec. field fence S; about 150 ft. E. of group of farm buildings N. of road; (2 small catalpa trees on N. side road just E. of sta.) OSCC marker. E. apex white farmhouse about 1½ mi. in azimuth 138°40'55". W. apex yellow farmhouse about 1 mi. in azimuth 323°51'37"

- C/L chimney white farmhouse about 3 mi. in azimuth $47^{\circ}40'21''$.
- X- 1,908,676.27** **Y- 427,261.30** **El. 1078.465 ft.**
 25-C-48 TT 1936; Comanche Co., 6.5 mi. S. & 6.3 mi. E. of Lawton Courthouse; near SW cor. SE, SE, sec. 31, T1N. R10W; 38 ft. N. of C/L base line road; 304.5 ft. E. of range of $\frac{1}{2}$ sec. field fence S; about 1750 ft. SW of large 2 story yellow farmhouse; OSCC marker. C/L smokestack SW. L&P Co. Power Plant about 9 mi. in azimuth $140^{\circ}42'03''$. W. apex white farmhouse about 1 mi. in azimuth $202^{\circ}06'48''$. C/L chimney Geronimo School about 8 mi. in azimuth $74^{\circ}40'08''$.
- X- 1,913,763.67** **Y- 427,306.97** **El. 1117.709 ft.**
 25-C-49 TT 1936; Comanche Co., 6.5 mi. S. & 7.6 mi. E. Lawton Courthouse; near NW cor. NE, NE; sec. 5, T1S. R10W; 31 ft. S. of C/L base line road; in NW cor. field about 3 ft. E. of range E. yard fence; 124 ft. N. & 46 ft. E. of NE cor. faded yellow farmhouse S. of road. OSCC marker. E. apex white farmhouse about 2 mi. in azimuth $123^{\circ}00'36''$. N. apex white farmhouse about 2 mi. in azimuth $229^{\circ}14'06''$. E. apex yellow farmhouse about $1\frac{1}{2}$ mi. in azimuth $40^{\circ}01'21''$.
- X- 1,920,673.78** **Y- 427,223.87** **El. 1081.190 ft.**
 25-C-50 TT 1936; Comanche Co., 6.5 mi. S. & 8.7 mi. E. of Lawton Courthouse; near SW cor. SE, SW, sec. 34, T1N. R10W; 33 ft. N. of C/L base line road & in range of W. R/W fence line on "T" road S. 30 ft. W. & 33 ft. N. of approx. NW cor. sec. 3. OSCC marker. E. apex yellow farmhouse about 2 mi. in azimuth $126^{\circ}53'31''$. S. apex white farmhouse about 2 mi. in azimuth $215^{\circ}35'16''$. E. apex yellow farmhouse about 3 mi. in azimuth $65^{\circ}11'26''$.
- X- 1,926,522.56** **Y- 427,252.27** **El. 1087.893 ft.**
 25-C-51 TT 1936; Cotton Co., 6.5 mi. S. & 10.1 mi. E. of Lawton Courthouse; near NW cor. NE, NE, NW, sec. 2, T1S. R10W; 32 ft. S. of C/L base line road & in range of W. side of white farmhouse about 60 ft. S. of sta.; 36 ft. W. & 58 ft. S. of SW cor. concrete & iron pipe cattle guard at private drive N. OSCC marker. S. apex white farmhouse about $2\frac{1}{2}$ mi. in azimuth $125^{\circ}27'09''$. W. apex yellow farmhouse about 1 mi. in azimuth $198^{\circ}09'59''$. N. apex white farmhouse about $\frac{1}{2}$ mi. in azimuth $13^{\circ}58'24''$.
- X- 1,933,964.53** **Y- 427,153.16** **El. 1093.153 ft.**
 25-C-52 TT 1936; Comanche Co., 6.5 mi. S. & 11.45 mi. E. of Lawton Courthouse; near center of S. line SE, SE, SE, sec. 36, T1N. R10W; 36 ft. N. of C/L base line road & in range of W. side small white farmhouse S. of road; 380.5 ft. W. of W. R/W fence on "T" road N; 13.5 ft. W. of W. gate post field gate N. R/W fence. OSCC marker. E. apex white farmhouse about $2\frac{1}{2}$ mi. in azimuth $110^{\circ}56'41''$. W. apex white farmhouse about 3 mi. in azimuth $239^{\circ}01'56''$. E. apex pink farmhouse about 1 mi. in azimuth $65^{\circ}57'46''$.
- X- 1,941,029.76** **Y- 427,192.39** **El. 1079.617 ft.**
 25-C-52a; Intermediate Sta; Cotton Co., 6.5 mi. S. & 11.8 mi. E. of Lawton Court House; 12.25 mi. W. of Duncan Courthouse; near NE cor. NW, NW, NW, sec. 6, T1S. R9W; 42 ft. S. of C/L base line road; 425 ft. E. of C/L "T" road S.; 3 ft. E. of E. fence at rural cemetery; "X" marked in end of $\frac{1}{2}$ " bolt set inverted in concrete cast in place. S. apex white farmhouse about 1 mi. in azimuth $188^{\circ}56'56''$. N. apex unpainted farmhouse about $\frac{1}{2}$ mi. in azimuth $320^{\circ}55'54''$. E. apex unpainted farmhouse about 1 mi. in azimuth $53^{\circ}23'44''$.
- X- 1,942,833.61** **Y- 427,116.89** **El. 1062.481 ft.**
 25-C-53 TT 1936; Comanche Co., 6.5 mi. S. & 13.05 mi. E. of Lawton Courthouse; 12.0 mi. W. of Duncan Courthouse; near SW cor. SE sec. 32, T1N. R9W; 38 ft. N. of C/L base line road; in SE cor. of small field; about 800 ft. S. of farmhouse N. of road; 5.5 ft. N. & 2.5 ft. W. of 12" W. field gate post in N. R/W fence. OSCC marker. W. apex white farmhouse about $1\frac{1}{2}$ mi. in azimuth $203^{\circ}38'08''$. W. apex white farmhouse about $1\frac{1}{2}$ mi. in azimuth $325^{\circ}59'08''$. E. apex white farmhouse about 4 mi. in azimuth $44^{\circ}49'25''$.
- X- 1,949,363.60** **Y- 427,162.81** **El. 1057.585 ft.**
 25-C-54 TT 1936; Cotton Co., 11.0 mi. W. of Duncan Courthouse; near NW cor. NE, NE NW, sec. 4, T1S. R9W; 39 ft. S. of C/L base line road; about 75 ft. W. of line of small locust trees in N. R/W fence; 39 ft. E. of $\frac{1}{2}$ sec. field fence to N. OSCC marker. E. apex white farmhouse about 2 mi. in azimuth $159^{\circ}03'25''$. N. apex white farmhouse about 6 mi in azimuth $311^{\circ}31'20''$. C/L chimney white farmhouse about 5 mi. in azimuth $75^{\circ}12'05''$.
- X- 1,953,030.21** **Y- 427,078.04** **El. 1114.104 ft.**
 25-C-55 TT 1936; Stephens Co., 9.8 mi. W. of Duncan Courthouse; near NE cor. NW, NW NE, sec. 3, T1S. R9W; set near center of base line road with top 8" below road surface; opposite E. gate post in S. R. W. fence, private drive; in range W. side of old farmhouse S. of road; 34.9 ft. W. & 25 ft. S. of 12" blazed oak tree near S. R/W fence; 60.5 ft. W. & 28 ft. S. of 10" blazed oak tree in N. R/W fence; OSCC marker. E. apex white farmhouse about $\frac{1}{4}$ mi. in azimuth $133^{\circ}03'13''$.
- X- 1,961,311.89** **Y- 427,111.11** **El. 1107.596 ft.**
 25-C-56 TT 1936; Stephens Co., 9.0 mi. W. of Duncan Courthouse; near SW cor. SE. sec. 35, T1N. R9W; N. of base line road in S. side of pasture; 800 ft. W. of unpainted farmhouse N. of road. OSCC marker. S. apex white farmhouse about 2 mi. in azimuth $174^{\circ}38'04''$. W. apex Banner Baptist Church about 2 mi. in azimuth $302^{\circ}13'04''$. E. apex yellow farmhouse about 3 mi. in azimuth $22^{\circ}59'14''$.
- X- 1,965,384.35** **Y- 427,181.38** **El. 1085.760 ft.**
 25-C-57 T 1936; Stephens Co., 7.4 mi. W. of Duncan Courthouse; near SW cor. SE, SW, SW, sec. 31, T1N. R8W; 33 ft. N. of S. R/W fence; 22.5 ft. S. of N. R/W fence in range of pipe line telephone line on S.; on E. side of "T" road S.; 8" below base line road

surface; 39 ft.N. & 4 ft.E. of holdover pole S. of road; 70 ft.E. & 12 ft.S. of holdover pole NW of intersection. OSCC marker. W. apex white farmhouse about 2 mi. in azimuth 108°29'35". S. apex white farmhouse about ½ mi. in azimuth 215°49'28". W. apex Banner Baptist Church about 1 mi. in azimuth 01°44'10".

X- 1,974,058.06 Y- 427,132.29 El. 1084.141 ft.

25-C-58 TT 1936; Stephens Co., 6.35 mi.W. of Duncan Courthouse; near SW cor. SE, S1/2, sec. 32, T1N. R8W; 32 ft.N. of C/L base line road in edge of oak thicket; 86 ft.E. & 9 ft.S. of blazed 15" oak tree about 15 ft.N. of R/W fence; about 136 ft.E. of C/L of drive to old farmhouse S. OSCC marker. N. apex blue farmhouse about 1 mi. in azimuth 276°38'23".

X- 1,979,553.99 Y- 427,162.17 El. 1119.146 ft.

25-C-59 TT 1936; Stephens Co., 5.5 mi.W. of Duncan Courthouse; near center N. line NE, NE, NE, sec. 5, T1S. R8W; 50.5 ft.S. of C/L of base line road & on top of 8 ft. clayshale cutbank; 401 ft.W. & 50.5 ft.S. of NE cor. sec. 5; about 159 ft.NW of steel pumping derrick on oil well in NE cor. said sec. OSCC Marker. W. apex white farmhouse about 3 mi. in azimuth 239°19'01". N. apex white farmhouse about 3 mi. in azimuth 299°22'36". N. apex white farmhouse about 1/3 mi. in azimuth 79°06'06".

X- 1,983,976.79 Y- 427,078.55 El. 1151.314 ft.

25-C-60 TT 1936; Stephens Co., 5.0 mi.W. of Duncan Courthouse; near SE cor. SW, SW SE sec. 33, T1N. R8W; 43 ft.N. of C/L base line road in S. edge of field; 235.5 ft.W. of range of ½ sec. field fence S; 167.5 ft.E. of field fence N. OSCC marker. S. apex. white farmhouse about 1½ mi. in azimuth 143°51'23". Peak dome Baptist Church at cor. 9th & Ash, Duncan about 4 mi. in azimuth 271°25'13". N. apex white farmhouse about 3/4 mi. in azimuth 48°41'21".

X- 1,986,763.41 Y- 427,169.46 El. 1158.941 ft.

25-C-61 TT 1936; Stephens Co., 3.45 mi.W. of Duncan Courthouse; 42 ft.W. & 50.5 ft.S. approx. NE cor. sec. 3, T1S. R8W; 50.5 ft.S. of C/L base line road; 10 ft.S. & 3 ft. W. of 4" iron pipe telephone pole, SW cor. of intersection "T" road to S. OSCC marker. S. apex white farmhouse about 2 mi. in azimuth 121°09'04". W. apex white farmhouse about 4 mi. in azimuth 229°49'34". E. apex white farmhouse about 1½ mi. in azimuth 45°26'04".

X- 1,994,870.85 Y- 427,074.97 El. 1127.305 ft.

25-C-62 TT 1936; Stephens Co., 2.25 mi.W. of Duncan Courthouse; near SE cor. SW, SE, sec. 35, T1N. R8W; 60 ft.N. of C/L of base line road & 29.8 ft.N. of steel high line pole line; 2.5 ft.W. of 40 acre field fence N. OSCC marker. S. apex white farmhouse about 3 mi. in azimuth 112°34'30". Peak of dome on Baptist Church 9th & Ash, Duncan, about 2½ mi. in azimuth 272°38'00". N. apex white farmhouse about 2 mi. in azimuth 39°35'25".

X- 1,998,346.69 Y- 427,187.31 El. 1148.813 ft.

25-C-63 TT 1936; Stephens Co., 1.15 mi.W. of Duncan Courthouse; near NW cor. NE, NE, sec. 1, T1S. R8W; 46 ft.S. of C/L of base line road in NW cor. of field; 5 ft.S. 5 ft. E. of fence cor. post. OSCC marker. S. apex white farmhouse about 2½ mi. in azimuth 225°08'58". Peak Halliburton Cementing Co. water tower about 2 mi. in azimuth 305°19'58". C/L chimney unpainted farmhouse about 5 mi. in azimuth 34°29'51".

X- 2,004,190.02 Y- 427,070.24 El. 1131.233 ft.

Traverse 25-D, Tillman and Kiowa Counties.
Frederick Tri., Sta. to Teepee Tri., Sta.,
South Projection

Frederick-(Tillman Co., E.C. Heaton, 1923-1927)- On ridge just N. of town of Frederick in prolongation of 5th St. on property leased by Frank Thompson, about 175 meters (574 ft.) NW of his home & 8 ft. E. of W. fence line leading N. from his barn; surface & underground marks are standard disk station marks in concrete, notes 1a & 7a. Reference mark is standard reference disk in concrete note 11a, placed in fence line about 18 meters (59 ft.) N. of house, 1½ ft. E. of W. edge of same, & 142.805 meters (468.52 ft.) from station in azimuth 350°44'24".

X-1,691,477.29 Y-390,170.37 El. 1374.417 ft.

25-D-1 TT 1934; Tillman Co., 1 mi.N. of Frederick Courthouse; in NW sec. 7, T2S. R17W; on ST. L&SF RR R/W, just inside cattle guard fence at road crossing; close to cor. of intersec. W. RR R/W fence & Hwy. R/W fence; USC&GS State marker. Frederick Compress water tower in azimuth 13°04'30". Frederick water tower in azimuth 24°02'38". Chimney on E. gable of 2 story yellow farmhouse 1 mi. in azimuth 203°06'43".

X-1,693,715.18 Y-391,996.78 El. 1337.465 ft.

25-D-2 TT 1934; Tillman Co., 2 mi.N. of Frederick; in NE sec. 6, T2S. R17W; on St. L&SF R/W, E. side of track; on a rather prominent knoll opposite RR cut; about 10 ft. N. of E. pole (guyed) of telegraph RR crossing span. USC&GS State marker. Traders Compress water tower in azimuth 17°29'39". Frederick water tower in azimuth 20°01'54". Chimney on E. gable of 2 story yellow farmhouse about ¼ mi. in azimuth 353°54'32".

X-1,695,260.04 Y-397,582.26 El. 1345.192 ft.

25-D-3 TT 1934; Tillman Co., 4.0 mi.N. of Frederick; in sec. 29, T1S. R17W; on St. L&SF RR R/W; W. side of track; 3 ft.S. of S.R/W sec. line road; near W.U.T. pole #14;

USC&GS State marker. Chimney E.gable of 2 story yellow farmhouse about $2\frac{1}{2}$ mi.in azimuth $11^{\circ}40'37''$. Chimney on schoolhouse $1\frac{1}{2}$ mi.in azimuth $126^{\circ}26'25''$. Chimney on red farmhouse about $2\frac{1}{2}$ mi.in azimuth $211^{\circ}23'57''$.
X-1,697,842.39 Y-407,700.25 El.1291.706 ft.

25-D-4 TT 1934; Tillman Co., 6.2 mi.N.of Frederick; in SW sec.9, T1S.R17W; via OK.Hwy.#14; on E.side St.L&SF RR track, 3 ft.S.of R/W fence.cattle guard at right angle to track. USC&GS State marker. Chimney on schoolhouse 2 mi.in azimuth $63^{\circ}23'20''$. Chimney on W.gable red farmhouse about $\frac{1}{2}$ mi.in azimuth $245^{\circ}49'37''$. Smokestack on Cotton Gin in Manitou in azimuth $195^{\circ}39'02''$.
X-1,700,722.58 Y-418,425.65 El.1243.633 ft.

25-D-5 TT 1934; Tillman Co., $\frac{1}{2}$ mi.S.of Manitou; in sec.4, T1S.R17W; on St.L&SF RR R/W on W.side of track; top of bank; about midway between R/W fence & top of cut across track from RR MP.#755.10; opposite P.C.or.P.T.of curve on OK.Hwy.#14. USC&GS State marker. Chimney on schoolhouse about 3 mi.in azimuth $42^{\circ}46'46''$. Chimney on W gable red farmhouse about 2 mi.in azimuth $335^{\circ}11'24''$. Base of flag staff Manitou Post Office in azimuth $219^{\circ}51'11''$.
X-1,702,876.46 Y-426,861.20 El.1270.705 ft.

25-D-6 TT 1934; Tillman Co., 1.1 mi.N.via OK.Hwy.#14 from center of Manitou; in sec.27, T1N.R17W; on St.L&SF RR R/W on W.side of track on side opposite RR cut; 2/3 of a span across track from RR MP.#753/25; USC&GS State marker. Chimney on schoolhouse 5 mi.in azimuth $34^{\circ}42'13''$. Base of flag pole Manitou Post Office in azimuth $4^{\circ}40'58''$. Base of flag pole on schoolhouse 1 mi.in azimuth $210^{\circ}41'53''$.
X-1,704,817.15 Y-434,275.21 El.1274.907 ft.

25-D-7 TT 1934; Tillman Co., 2.55 mi.N.via OK.Hwy.#14 from Manitou; in sec.22, T1N.R17W; on St.L&SF RR R/W on W.side of track; on a ridge opposite RR cut; across track & 2 poles S.of RR MP.#752/10. USC&GS State marker. Chimney on white farmhouse $1\frac{1}{2}$ mi.in azimuth $246^{\circ}02'14''$. E.chimney on white farmhouse about 1.75 mi.in azimuth $160^{\circ}37'39''$. Rail offset in azimuth $285^{\circ}42'19''$. Flag pole on schoolhouse about 1.25 mi.in azimuth $352^{\circ}45'44''$.
X-1,706,770.30 Y-441,753.70 El.1311.518 ft.

25-D-8 TT 1934; Tillman Co., 4.55 mi.N.via OK.Hwy.#14 from Manitou; in SW sec. 11, T1N.R17W; on St.L&SF RR R/W, on W.side of track; on ridge opposite RR cut; directly across track from RR MP.#750/15. USC&GS State marker. Chimney on white farmhouse about 0.6 mi.in azimuth $40^{\circ}40'03''$. Chimney on farmhouse about 1.7 mi.in azimuth $327^{\circ}31'03''$. Chimney on E.gable white 2 story house about 1.6 mi.in azimuth $172^{\circ}56'38''$.
X-1,709,310.80 Y-451,402.95 El.1354.350 ft.

25-D-9 TT 1934 Tillman Co., 5.8 mi.N.via OK.Hwy.#14 from Manitou; in sec.3, T1N.R17W; on E-W $\frac{1}{2}$ sec.line, 35 ft.E.of fence; on W.shoulder of fill; 8" below surface. USC&GS State marker. Chimney on farmhouse about 0.3 mi.in azimuth $27^{\circ}06'21''$. Headrick water tower in azimuth $105^{\circ}28'01''$. Snyder water tower in azimuth $191^{\circ}59'51''$.
X-1,709,312.75 Y-457,701.43 El.1407.680 ft.

25-D-10 TT 1934; Kiowa Co., 3 mi.S.via OK.Hwy.#14 from Snyder; in sec.26, T2N.R17W; on E.side of said Hwy.; 2 ft.W.of R/W fence; 2 ft.N.of E-W $\frac{1}{2}$ sec.fence. USC&GS State marker. Headrick water tower in azimuth $94^{\circ}10'58''$. Mt.Park water tower (black) in azimuth $189^{\circ}57'38''$. White farmhouse E.chimney about 1.8 mi.in azimuth $329^{\circ}16'38''$.
X-1,709,476.68 Y-468,262.71 El.1369.079 ft.

25-D-11 TT 1934; Kiowa Co., 2 mi.S.of Snyder; in sec.22, T2N.R17W; on W.side of OK.Hwy.#14; $2\frac{1}{2}$ ft.E.of W.R/W fence; approx.0.2 mi.S.of P.C. or P.T.of hwy.curve. USC&GS State marker. Peak of Headrick water tower in azimuth $90^{\circ}12'42''$. Peak of Mt. Park water tower in azimuth $191^{\circ}43'32''$. Chimney on farmhouse about 2.7 mi.in azimuth $339^{\circ}32'34''$.
X-1,709,429.56 Y-472,158.09 El.1358.898 ft.

25-D-12 TT 1934; Kiowa Co., $\frac{3}{4}$ mi.S.via OK.Hwy.#14 from intersection of said hwy.& US.Hwy.#62 at Snyder; in sec.14, T2N.R17W; 200 ft.S.of OK.Hwy.#14; station is USC&GS State bronze disk set in the first large granite rock at the foot of hill to SE from PT.of first curve S.of Snyder; Mt.Park water tower in azimuth $187^{\circ}48'51''$. Peak Snyder Oil Mill Water tower in azimuth $208^{\circ}25'29''$. Snyder water tower in azimuth $210^{\circ}53'39''$.
X-1,711,793.99 Y-477,413.36 El.1374.489 ft.

25-D-13 TT 1934; Kiowa Co., about $\frac{1}{2}$ mi.W.from intersection of Main St.Snyder, OK.Hwy.#14, with S.line sec.2; in sec.11, T2N.R17W; on S.side of sec.line road; $2\frac{1}{2}$ ft N.of R/W fence; USC&GS State marker.Peak Mt.Park water tower in azimuth $193^{\circ}48'56''$. Peak Snyder Oil Mill water tower in azimuth $289^{\circ}02'51''$. Peak Snyder water tower in azimuth $334^{\circ}26'18''$.
X-1,712,110.90 Y-486,705.94 El.1360.869 ft.

25-D-14 TT 1934; Kiowa Co., 1 mi.N.via RR.from Snyder; in sec.2, T2N.R17W; on St.L&SF.RR R/W; on W.side of track 10ft.E.of W.R/W fence; 1 pole N.of RR MP # ; 882 ft.S.of crossing of RR & OK.Hwy.#14; also E-W sec.line road crossing; USC&GS State marker. Peak Mt. Park water tower in azimuth $174^{\circ}33'18''$.Peak Snyder Oil Mill water tower in azimuth $346^{\circ}27'08''$. Peak Snyder water tower in azimuth $1^{\circ}39'50''$. Rail 25-D -15 in azimuth $260^{\circ}25'35''$.
X-1,714,707.62 Y-491,035.57 El.1387.615 ft.

25-D-15 TT 1934; Kiowa Co., 1 mi. N. & $\frac{1}{2}$ mi. W. of Mt. Park; in sec. 23, T3N. R17W; on St. L&SF RR R/W about midway between C/L of track & E.R/W fence; due E. of switch point; 2 poles S. of RR MP #740/15. USC&GS State marker. Mt. Park water tower in azimuth 347°16'27". Snyder water tower in azimuth 355°09'44". Chimney on white farmhouse about 0.7 mi. in azimuth 221°33'47". Rail 25-D-15 in azimuth 78°43'14".

X-1,712,681.87 Y-502,597.04 El. 1382.641 ft.

25-D-16 TT 1934; Kiowa Co., 3 mi. N. & $\frac{7}{8}$ mi. W. of Mt. Park; in sec. 11, T3N. R17W; on St. L&SF RR R/W; inside fence cor. at intersection of W. RR R/W fence & N. sec. line road R/W fence; $1\frac{1}{2}$ Spans S. of RR MP #738/15. USC&GS State marker; Snyder Oil Mill water tower in azimuth 349°05'53". Mt. Park water tower in azimuth 348°34'03". N. chimney on white farmhouse about 0.75 mi. in azimuth 260°24'50". Rail 25-D-16 in azimuth 262°32'30".

X-1,710,719.13 Y-513,132.45 El. 1395.084 ft.

25-D-16a TT 1934; Kiowa Co., $3\frac{1}{2}$ mi. N. & 1 mi. W. of Mt. Park; in sec. 11, T3N. R17W; on St. L&SF RR R/W; 3 ft. E. of W. R/W fence; across track & 3 poles S. of RR MP #738; 2 poles S. of RR crossing with N-S sec. line road. USC&GS State marker. Mt. Park water tower in azimuth 347°43'12". Snyder Cotton Seed Oil Mill water tower in azimuth 348°28'47". Chimney on 2 story white farmhouse about 2 mi. in azimuth 203°21'30".

X-1,709,954.69 Y-515,397.58 El. 1409.071 ft.

25-D-16b TT 1934; Kiowa Co., $3\frac{1}{2}$ mi. N. & 1 $\frac{1}{8}$ mi. W. of Mt. Park; in sec. 10, T3N. R17W; on St. L&SF RR R/W; 3 ft. SW of NE R/W fence; 1 pole NW of MP #737/25; 7 poles NW along track from RR crossing with N-S sec. line road. USC&GS State marker. Chimney white farmhouse about 2 mi. in azimuth 211°08'09". Chimney white farmhouse 3.1 mi. in azimuth 118°08'45". Chimney yellow farmhouse about $\frac{1}{2}$ mi. in azimuth 187°33'10".

X-1,709,206.16 Y-516,594.80 El. 1401.564 ft.

25-D-17 TT 1934; Kiowa Co., 3 mi. S. & $1\frac{1}{2}$ mi. E. of Cold Springs; in sec. 3, T3N. R17W on St. L&SF RR R/W on SW side of track; in R/W fence cor. at crossing of E-W sec. line road; 3 ft. N. of R/W fence; 22 ft. N. & across track from RR MP #737/10. USC&GS State marker. Chimney on white farmhouse about 2.8 mi. in azimuth 114°15'28". Chimney yellow farmhouse about 0.75 mi. in azimuth 229°46'30". N. Chimney white farmhouse about 1.1 mi. in azimuth 139°38'33".

X-1,707,617.38 Y-518,511.45 El. 1390.778 ft.

25-D-18 TT 1934; Kiowa Co., 2 mi. S. & $\frac{3}{4}$ mi. E. of Cold Springs; in sec. 33, T4N. R17W; on St. L&SF RR R/W; 3 ft. E. of W. R/W fence; 129 ft. S. & across track from RR MP #736; 326 ft. N. along track from E-W sec. line road. USC&GS State marker. Chimney on $1\frac{1}{2}$ story farmhouse about 3 mi. in azimuth 174°16'51". N. chimney on white farmhouse about 0.2 mi. in azimuth 25°46'59". Chimney on slate color farmhouse about 2.1 mi. in azimuth 161°19'14".

X-1,703,442.08 Y-523,993.27 El. 1386.831 ft.

25-D-19 TT 1934; Kiowa Co., about $\frac{1}{2}$ mi. S. of depot at Cold Springs; in sec. 29, T4N. R17W; on St. L&SF RR R/W on E. side of track; about 3 ft. E. of top of RR cut at N. end; 1405 ft. N. along track from crossing of N-S sec. line road; 624 ft. N. of RR MP #734/15. USC&GS State Marker. White farmhouse N. chimney about 1.5 mi. in azimuth 327°58'11".; chimney on $1\frac{1}{2}$ story farmhouse about 0.3 mi. in azimuth 240°58'58"; chimney on slate color farmhouse about 1.1 mi. in azimuth 191°26'26".

X-1,698,555.50 Y-531,196.74 El. 1414.397 ft.

25-D-20 TT 1934; Kiowa Co., on private property on hill at N. edge of Cold Springs; 100 ft. S. & 100 ft. W. of NE cor. sec. 29, T4N. R17W; across road from filling sta. USC&GS State Marker set in rock. Chimney on $1\frac{1}{2}$ story farmhouse about 1.1 mi. in azimuth 327°33'47". Chimney on S. gable slate color farmhouse about 0.75 mi. in azimuth 229°08'10". Chimney on Church of Christ about 0.3 mi. in azimuth 302°00'12".

X-1,697,835.45 Y-534,316.00 El. 1460.810 ft.

25-D-21-TT 1934; Kiowa Co., 0.5 mi. N. of Cold Springs; in sec. 20, T4N. R17W; 0.5 mi. N. of SE cor.; 2 ft. E. of a large boulder setting approx. on W. R/W line. USC&GS State Marker. Chimney on $1\frac{1}{2}$ story farmhouse about 1.6 mi. in azimuth 344°02'03". Chimney on front gable slate color farmhouse about 0.75 mi. in azimuth 313°26'43". Peak Roosevelt water tower in azimuth 166°26'50".

X-1,697,916.50 Y-537,207.38 El. 1498.792 ft.

25-D-22 TT 1934; Kiowa Co. 2.4 mi. S. via Ok. Hwy. #14 from Roosevelt; in sec. 17, T4N R17W; on NE side of hwy. on private property; set inside a "V" shape fence cor. where plow shares cannot reach it. USC&GS State Marker. Spire on large red barn about 3.25 mi. in azimuth 141°09'06". Peak Roosevelt water tower in azimuth 160°03'38". Chimney on unpainted farmhouse about 1.1 mi. in azimuth 118°55'41".

X-1,697,310.29 Y-544,323.64 El. 1507.478 ft.

25-D-23 TT 1934; Kiowa Co., 1.8 mi. S. via Ok. Hwy. #14 from Roosevelt; in sec. 8, T4N. R17W; set in rock about 200 ft. E. of Ok. Hwy. #14. USC&GS State Marker. Peak Roosevelt water tower in azimuth 167°58'59". Spire on large red barn about 3 mi. in azimuth 140°51'14". Chimney 1 story unpainted farmhouse about 0.6 mi. in azimuth 8°24'11".

X-1,695,409.77 Y-546,832.60 El. 1497.760 ft.

25-D-24 TT 1934; Kiowa Co., at S. edge of Roosevelt; in sec. 8, T4N. R17W; 1.25 mi. S. via Ok. Hwy. #14 from point at N. edge of town where said hwy. crosses correction line; about 6 ft. W. of E R/W fence; at junction point of said hwy. & N-S sec. line road

- between sec. 7 & 8. USC&GS State Marker. Roosevelt water tower in azimuth 176°40'09". Baptist Church steeple, Roosevelt, in azimuth 175°42'19". Peak roof unpainted farmhouse 3/4 mi. in azimuth 3°12'59".
 X-1,694,239.85 Y-549,366.21 El. 1450.072 ft.
- 25-D-25 TT 1934; Kiowa Co., at N. edge of Roosevelt; in sec. 32, T5N. R17W; 0.1 mi. E. along correction line from intersection of said correction line & Ok. Hwy. #14; on private property; 4 ft. N. of N R/W fence of roadway; protected from farm implements by guy wire from telephone pole. USC&GS State Marker. Weather vane on red barn about 1.9 mi. in azimuth 116°46'13". Chimney white green-roof farmhouse about 1.25 mi. in azimuth 203°59'28". Chimney brown farmhouse about 2.5 mi. in azimuth 138°02'46".
 X-1,694,255.30 Y-555,656.91 El. 1469.476 ft.
- 25-D-26 TT 1934; Kiowa Co., in NE sec. 31, T5N. R17W; on St. L&SF RR R/W; 1 mi. N. along Ok. Hwy. #14 from intersection of said hwy. & correction line; in fence cor. of E R/W fence of RR & S R/W fence of E-W sec. line road; 1 pole N. of RR MP #728. USC&GS State Marker. Roosevelt water tower in azimuth 337°52'26". N. weather vane on red barn about 0.75 mi. in azimuth 59°05'56". White chimney on E. gable of white farmhouse about 1.25 mi. in azimuth 119°13'31".
 X-1,690,963.41 Y-560,917.35 El. 1473.278 ft.
- 25-D-27 TT 1934; Kiowa Co., 1.7 mi. W. along correction line from intersection with Ok. Hwy. #14 at N. edge of Roosevelt; in sec. 36, T5N. R18W; 3.0 ft. S. of N R/W fence N. across road from yellow farmhouse. USC&GS State Marker. Roosevelt water tower in azimuth 284°13'01". N. weather vane on red barn about 0.4 mi. in azimuth 131°12'23". White brick chimney on white farmhouse E. gable about 1.1 mi. in azimuth 199°03'18".
 X-1,684,854.75 Y-555,759.29 El. 1487.823 ft.
- 25-D-28 TT 1934; Kiowa Co., 2.9 mi. W. along correction line from its intersection with Ok. Hwy. #14 at N. edge of Roosevelt; in sec. 3, T4N. R18W; on S. shoulder of road; 1 ft. W. of W. end of S. headwall of concrete culvert. USC&GS State marker. weather vane on red barn about 1.1 mi. in azimuth 261°14'27". Chimney on N. gable yellow farmhouse about 1.8 mi. in azimuth 306°03'52". Flag pole on cupola of Mud Pond Schoolhouse about 1.1 mi. in azimuth 164°01'17".
 X-1,678,283.07 Y-555,796.11 El. 1457.883 ft.
- 25-D-29 TT 1934; Kiowa Co., 4.25 mi. along correction line from its intersection with Ok. Hwy. #14 at N. edge of Roosevelt; approx. 100 ft. W. of SE. cor. sec. 33, T5N. R18W; 3 ft. S. of N. R/W fence. USC&GS State marker. Roosevelt water tower in azimuth 276°13'04". Flag pole on cupola of Mud Pond Schoolhouse in azimuth 226°06'19". Chimney on yellow farmhouse about 2.5 mi. in azimuth 123°02'19".
 X-1,671,102.07 Y-555,938.26 El. 1490.775 ft.
- 25-D-30 TT 1934; Kiowa Co., 4.85 mi. W. along correction line from its intersection with Ok. Hwy. #14 at N. edge of Roosevelt; in sec. 4, T4N. R18W; 3 ft. W. & 6 ft. S. of fence cor. correction line & R/W fence. USC&GS State marker. Chimney on peak of farmhouse about 1.1 mi. in azimuth 338°28'38". Chimney on yellow farmhouse about 2.5 mi. in azimuth 131°59'38". Chimney 2 story yellow farmhouse about 1.25 mi. in azimuth 58°54'01".
 X-1,668,163.47 Y-555,918.74 El. 1473.185 ft.
- 25-D-31 TT 1934; Kiowa Co., 6 mi. W. along correction line from Roosevelt; in sec. 32, T5N. R18W; 3 ft. S. of N. R/W fence; N. across road from unpainted farmhouse. USC&GS State marker. Chimney yellow farmhouse about 1.4 mi. in azimuth 166°43'14". Chimney unpainted farmhouse about 1.8 mi. in azimuth 143°20'12". Chimney yellow farmhouse (peak roof) about 1/4 mi. in azimuth 276°30'27".
 X-1,662,040.98 Y-556,076.77 El. 1436.105 ft.
- 25-D-32 TT 1934; Kiowa Co., 6.2 mi. W. & 1.4 mi. N. of Roosevelt; in sec. 30, T5N. R18W; 0.6 mi. S. of NE cor; 3 ft. E. of W. R/W fence, on high point of ground N. of yellow farmhouse; 3.0 mi. E. & 1.6 mi. S. of Barton's Store & Koon Kazachey Cotton Gin; USC&GS State marker. Chimney yellow farmhouse about 150 yds. in azimuth 40°12'31". Chimney peak roof unpainted farmhouse about 6.1 mi. in azimuth 114°46'41". Chimney unpainted farmhouse about 0.2 mi. in azimuth 188°14'46".
 X-1,660,704.45 Y-563,191.09 El. 1498.619 ft.
- 25-D-33 TT 1934; Kiowa Co., 0.65 mi. W. of NE cor. sec. 25 T5N. R19W; 3 ft. N. of S. R/W fence; on highest point of ground along N. line of sec. W. of unpainted farmhouse on N. side of road, (cedar tree in yd.) 1.0 mi. S. & 1.35 mi. E. of Barton's Store and Koon Kazachey Cotton Gin; USC&GS State Marker. Chimney yellow farmhouse about 1.7 mi. in azimuth 294°47'13". Chimney peak roof farmhouse about 0.15 mi. in azimuth 257°50'43". Chimney unpainted farmhouse about 0.6 mi. in azimuth 123°18'13".
 X-1,652,182.12 Y-566,685.45 El. 1504.514 ft.
- 25-D-34 TT 1934; Kiowa Co., in sec. 26, T5N. R19W; 0.2 mi. W. of NE cor.; 3 ft. N. of S. R/W fence; 1.0 mi. S. & 0.8 mi. E. of Barton's Store & Koon Kazachey Cotton Gin; USC&GS State marker. Chimney unpainted farmhouse about 0.6 mi. in azimuth 212°36'23". Chimney peak roof unpainted farmhouse about 1.1 mi. in azimuth 77°51'58". Unpainted farmhouse about 1.0 mi. in azimuth 10°22'58".
 X-1,649,228.60 Y-566,715.02 El. 1504.274 ft.
- 25-D-35 TT 1934; Kiowa Co., in sec. 26, T5N. R19W; 0.2 mi. E. of NW cor.; 3 ft. N. of S. R/W fence; 1.0 mi. S. & 0.2 mi. E. of Barton's Store & Koon Kazachey Cotton Gin; USC&GS State marker. Chimney on farmhouse about 0.3 mi. in azimuth 285°55'02". E. chimney on Koon Kazachey Schoolhouse about 1.8 mi. in azimuth 216°11'20". Chimney on Church

about 2.5 mi. in azimuth $113^{\circ}15'32''$.

X-1,646,021.09 Y-566,751.96 El.1493.393 ft.
 25-D-36 TT 1934; Kiowa Co., in NW sec.22, T5N.R19W; 3 ft. N. of S.R/W fence; approx
 200 ft. E. NW cor. sec.22; 0.95 mi. W. of Barton's Store & Koon Kazachey Cotton Gin.
 USC&GS State marker. Tepee Tri. Sta. in azimuth $10^{\circ}30'05''$.
 X-1, 639,822.60 Y-572,109.33 El.1484.770 ft.
 Tepee Tri. Sta.; (Kiowa Co. E.O.Heaton, 1921); about 8 mi. S. & 3 mi. E. of Lone
 Wolf, a town on the AT&SF Ry. & CRI&P Ry; on highest point of most eastern of three
 highest peaks of Tepee Mts. , in N. half of sec.27, T5N.R19W; Sta. marked by standard
 station disk in outcropping bedrock, note 2. Reference mark is standard reference
 disk in outcropping bedrock, note 12a; 27.97 meters (91.8 ft.) from sta. in azimuth
 $217^{\circ}11'01''$.
 X-1,638,779.38 Y-564,189.05 El.2258.732 ft.

Traverse 25-E. Jackson, Greer & Kiowa Counties
 25-F-2 TT 1936 to 25-D-36 TT 1936 to Tepee Tri. Sta.
 South Projection.
 Section 1.

See 25-F-2 TT 1936; Junction Station.

25-E-1 TT 1936; USC&GS BM J-27 1934; Jackson Co., 3.5 mi. NW of MK&T RR depot at
 Altus; 0.2 mi. NW of MP 79, 132 ft. SE of intersec. of MK&T RR & N-S sec. line road, on
 RR R/W line; standard disk set in concrete post stamped J-27 1934, also 25-E 1 TT
 1936. C/L N. apex large white farmhouse about 2 mi. in azimuth $20^{\circ}56'20''$. C/L N. apex
 yellow farm bungalow about 0.75 mi. in azimuth $177^{\circ}33'46''$. C/L W. apex large white
 farmhouse about 1 mi. in azimuth $301^{\circ}56'02''$.

X-1,593,923.55 Y-490,559.61 El.1392.107 ft.

25-E-2 TT 1936; Jackson Co., 3.0 mi. N. & 1.25 mi. W. of Courthouse, Altus; in SW
 cor. SE, SE, sec. 36, T3N.R21W; on MK&T RR R/W; 3 ft. E. of W.R/W fence; 35 ft. N. of Tp.
 line; 15 ft. N. of angle pole in farm telephone line. OSCC Marker. C/L E. apex white
 farmhouse about $\frac{1}{2}$ mi. in azimuth $94^{\circ}10'44''$. C/L S. apex small white bungalow about $\frac{1}{2}$
 mi. in azimuth $135^{\circ}52'06''$. C/L W. apex faded white farmhouse about $\frac{1}{2}$ mi. in azimuth
 $268^{\circ}53'06''$.

X-1,592,448.31 Y-493,283.31 El.1394.272 ft.

25-E-3 TT 1936; USC&GS BM H-27 1934; Jackson Co., 1.9 mi. from MK&T RR depot at
 Martha; 0.4 mi. NW of MP. 81; 40 ft. W. of intersec. MK&T RR & N-S sec. line road; on
 RR R/W; standard disk set in concrete post stamped H-27 1934 also stamped 25-E-3
 TT 1936; C/L top water tower SW part of Altus about 5 mi. in azimuth $346^{\circ}55'24''$. C/L
 N. apex large white farm bungalow about $\frac{1}{2}$ mi. in azimuth $62^{\circ}56'19''$. C/L S. gable large
 farmhouse faded white about 1 mi. in azimuth $234^{\circ}42'54''$.

X-1,588,551.84 Y-501,023.98 El.1399.282 ft.

25-E-4 TT 1936; Jackson Co., 4.5 mi. N. & 1.0 mi. W. of Courthouse, Altus; in NE cor
 SE sec. 25, T3N.R21W; 4.0 ft. W. & 2.5 ft. S. of fence cor.; 35.5 ft. W. & 2.5 ft. S. of ap-
 prox. $\frac{1}{4}$ cor. to sec. 25 & 30. OSCC marker. C/L W. apex white farmhouse about $\frac{1}{4}$ mi. in
 azimuth $211^{\circ}15'04''$. C/L top Altus water tower about 6 mi. in azimuth $346^{\circ}07'59''$. C/L
 E. apex faded yellow farmhouse about 1 mi. in azimuth $48^{\circ}30'29''$.

X-1,593,817.74 Y-501,212.68 El.1414.239 ft.

25-E-5 TT 1936; Jackson Co., 4.5 mi. N. & 0.25 mi. W. of Courthouse, Altus; in NW
 cor. NE, SE, sec. 30, T3N.R20W; at NW cor. Altus Municipal Airport; 2.5 ft. E. & 12.5 ft. S
 of fence cor. OSCC Marker. C/L S. apex white farm bungalow about $\frac{1}{2}$ mi. in azimuth
 $184^{\circ}55'31''$. C/L W. gable porch on white farmhouse about $309^{\circ}17'12''$. C/L top Altus
 water tower about 4 mi. in azimuth $357^{\circ}49'57''$.

X-1,597,721.83 Y-501,158.24 El.1426.112 ft.

25-E-6 TT 1936; Jackson Co., 5.75 mi. N. & 0.3 mi. W. of Courthouse, Altus; 4.0 mi.
 S. & 0.3 mi. W. Blair; 2.75 mi. E. & 0.25 mi. S. Martha; in NE cor. SW, NE, sec. 19, T3N.R20W;
 on AT&SF RR R/W; 36.5 ft. W. of W. rail; 40.0 ft. S. of S. gate post to farm crossing;
 12.0 ft. S. & 3.0 ft. E. of first telegraph pole S. of said gate. OSCC Marker. C/L N.
 gable large white farmhouse about 2 mi. in azimuth $35^{\circ}58'41''$. C/L SE apex large yel-
 low farm bungalow about $\frac{1}{2}$ mi. in azimuth $141^{\circ}10'46''$. C/L W. apex yellow farm bungalow
 about $\frac{1}{2}$ mi. in azimuth $271^{\circ}21'41''$.

X-1,1597,239.67 Y-508,787.00 El.1452.102 ft.

25-E-7 TT 1936; Jackson Co., 7.0 mi. N. & 0.25 mi. W. of Courthouse, Altus; 2.75 mi
 S. & 0.25 mi. W. of Blair; in SW cor. SW, SE, sec. 7, T3N.R20W; on AT&SF RR R/W; 40.0 ft. N.
 C/L of Twp. road; 4.0 ft. N. & 1.0 ft. E. of cattle guard post; 8.05 ft. E. of E. rail;
 OSCC Marker. C/L N. apex small white farm bungalow about $\frac{1}{4}$ mi. in azimuth $85^{\circ}38'53''$.
 C/L W. apex nice white farm bungalow about $\frac{1}{2}$ mi. in azimuth $247^{\circ}16'13''$. C/L W. apex
 white farm bungalow about $\frac{3}{4}$ mi. in azimuth $330^{\circ}25'28''$.

X-1,597,686.98 Y-514,497.77 El.1433.371 ft.

25-E-8 TT 1936; Jackson Co., 1.5 mi. S. of AT&SF RR depot at Blair; in NW cor. SE
 SE, sec. 6, T3N.R20W; on RR R/W; 36.53 ft. W. of W. rail in range of cross fence E-W;
 0.25 mi. N. of twp. road; OSCC Marker. C/L N. apex brown bungalow about $\frac{3}{4}$ mi. in azi-
 muth $53^{\circ}43'08''$. C/L E. apex white bungalow about $1\frac{1}{4}$ mi. in azimuth $145^{\circ}27'43''$. C/L S
 apex white bungalow about $1\frac{1}{2}$ mi. in azimuth $233^{\circ}48'18''$.

- X-1,598,029.38 V-521,114.92 El.1442.839 ft.
 25-E-9 TT 1936; Jackson Co., Blair, in SW cor. SE, NE, NE, sec. 31, T4N, R20W; in line of power poles on S. side Main St. 4.5 ft. E. of 1st. pole E. of tracks; 44.2 ft. E. of E rail main track; 4.4 ft. E. & 115 ft. N. of NE cor. of AT&SF RR depot set flush with roadway to depot. OSCC marker. C/L E. apex large yellow bungalow about $\frac{1}{2}$ mi. in azimuth 54°43'38". C/L top Blair water tower about $\frac{1}{4}$ mi. in azimuth 210°36'38". C/L of NW cor. of yellow church about $\frac{1}{4}$ mi. in azimuth 316°56'38".
- X-1,598,595.87 Y-529,251.26 El.1462.786 ft.
 25-E-10 TT 1936; Jackson Co., 1.25 mi. N. of AT&SF RR depot, Blair; in NE, NE, NE, sec. 30, T4N, R20W; in R/W fence cor.; 40.2 ft. W. of W. rail; 35.8 ft. S. of twp. road C/L. OSCC marker. C/L N. apex unpainted farm bungalow about 1 mi. in azimuth 44°36'18". C/L W. gable of large yellow brick house about $\frac{1}{2}$ mi. in azimuth 220°36'28". C/L N. apex yellow $1\frac{1}{2}$ story house about $\frac{1}{2}$ mi. in azimuth 347°44'43".
- X-1,598,888.04 Y-535,686.53 El.1479.314 ft.
 25-E-11 TT 1936; Greer Co., 2.5 mi. N. of AT&SF RR depot, Blair; in NW cor. SW, SW, sec. 17, T4N, R20W; on R/W. 10.0 ft. S. of S. gate post in E. R/W fence, farm drive to house of E. E. Holimon; 45.5 ft. E. of E. rail; 7.5 ft. E. & 9.0 ft. N. of valve in Altus water supply main. OSCC marker. C/L N. apex unpainted farm bungalow about $\frac{3}{4}$ mi. in azimuth 25°52'13". C/L E. gable brown farm bungalow about 300 ft. in azimuth 97°25'40". C/L W. apex white farm bungalow about 1 mi. in azimuth 287°36'43".
- X-1,599,372.02 Y-542,304.21 El.1490.201 ft.
 25-E-12 TT 1936; Greer Co., 4.7 mi. N. of AT&SF RR depot, Blair; in NW, SW, sec. 5, T4N, R20W; on W. spoil bank of RR cut; 107.8 ft. N. of 1st pole N. of MP. 453; 37.84 ft. W. of W. rail; OSCC marker. C/L E. entrance of red brick school about 1 mi. in azimuth 71°57'43". C/L W. gable white farm bungalow about $\frac{1}{2}$ mi. in azimuth 249°42'48". C/L W. gable large white farmhouse about $1\frac{1}{4}$ mi. in azimuth 330°34'28".
- X-1,599,950.19 Y-553,477.03 El.1523.451 ft.
 25-E-13 TT 1936; Greer Co., 5.25 mi. N. & 0.5 mi. E. of AT&SF RR depot, Blair; in NE cor. NW sec. 5, T4N, R20W; 169.2 ft. W. of SW. guard rail of 8' x 4' x 80' wood culvert at angle of US. Hwy. #283; junction with US. Hwy. #44; 56.0 ft. NW of nearest rail & in tangent of SE rail produced from N; 50 ft. NE of creosoted AT&SF W. U. T. Pole; OSCC marker. C/L chimney red brick school about 2 mi. in azimuth 52°29'51". C/L E. apex brown one story farmhouse about $\frac{1}{2}$ mi. in azimuth 94°46'46". C/L top peak of roof white farmhouse about $1\frac{1}{2}$ mi. in azimuth 193°21'16".
- X-1,600,970.23 Y-556,839.21 El.1489.623 ft.
 25-E-14 TT 1936; Kiowa Co., 6.0 mi. N. & 1.6 mi. E. of AT&SF RR depot, Blair; in NW, NW, sec. 34, T5N, R20W; 1096.7 ft. E. of E. abutment of AT&SF RR bridge across N. Fork Red River; in tangent of SE rail produced from SW; 49.0 ft. SE from C/L OK. Hwy. #44; 258 ft. S. of SE headwall of 6' x 5' concrete culvert; OSCC marker. in native rock berm; C/L N. apex large white farmhouse about 2 mi. in azimuth 67°01'17". C/L E. apex one story white house about $1\frac{1}{2}$ mi. in azimuth 155°28'29". C/L N. apex unpainted farm cottage about $\frac{1}{2}$ mi. in azimuth 242°03'24".
- X-1,607,958.74 Y-560,938.88 El.1500.789 ft.
 25-E-15 TT 1936; Kiowa Co., Approx. $1\frac{1}{2}$ mi. W. & 0.2 mi. S. of Lugert; in NW, NE, sec. 27, T5N, R20W; 0.5 mi. SW via OK. Hwy. #44 from Lugert Dam; Standard OSCC bronze marker set in native granite spit dissected by OK. Hwy. #44; in line SE R/W fence AT&SF RR; C/L E. apex weathered white house about $\frac{1}{2}$ mi. in azimuth 75°29'37". C/L E. apex large white farmhouse about $1\frac{1}{2}$ mi. in azimuth 134°41'17". C/L high point on S. end of tile roof on gate house Lugert Dam about 1 mi. in azimuth 217°50'12".
- X-1,609,710.03 Y-565,235.42 El.1531.229 ft.
 25-E-16 TT 1936; Kiowa Co., Approx. $1\frac{1}{2}$ mi. W. & 0.2 mi. N. of Lugert; in NW cor. NE sec. 27, T5N, R20W; 0.25 mi. W. of SE end of Lugert Dam; 3.0 ft. S. & 39.8 ft. E. of approx $\frac{1}{2}$ cor. to sec. 22 & 27; OSCC marker. C/L of Gunsight Rock Peak of W. Hill Dis. about $1\frac{1}{2}$ mi. in azimuth 117°17'05". C/L high point on N. end of tile roof on gate house of Lugert Dam about $\frac{1}{2}$ mi. in azimuth 267°05'35". C/L E. wall of fissure vein in side of Granite Mt. about $\frac{1}{2}$ mi. in azimuth 342°34'05".
- X-1,610,188.92 Y-567,465.04 El.1495.318 ft.
 U.S.G.S. EM. at Lugert Dam water gauge El.1526.326 ft.
- 25-E-17 TT 1936; Kiowa Co., 1.0 mi. W. of Lugert; in SW cor. NE, NE, sec. 27, T5N, R20W. 48.0 ft. N. of C/L of OK. Hwy. #44; 49.5 ft. S. of AT&SF RR on S. bank of cut; 48.0 ft. W. of C/L timber overpass to Lake Altus; C/L SW gable white bungalow adjoining filling station about 1 mi. in azimuth 267°58'25". C/L SW apex 1 story unpainted farmhouse about 1 mi. in azimuth 302°59'30". C/L W. wall of black vein 6 ft. above roadway in red granite cut about 70 yds in azimuth 77°34'50".
- X-1,611,652.86 Y-566,488.00 El.1559.206 ft.
 25-E-18 TT 1936; Kiowa Co., 0.4 mi. SW of Lugert; in SE cor. NW, NW, sec. 26, T5N, R20W; on AT&SF RR R/W; 48.0 ft. S. of S. rail. OSCC marker. C/L N. ridge tile (High point) on gate house on Lugert Dam about $\frac{3}{4}$ mi. in azimuth 114°51'22". C/L S. apex brick school in Lugert Dist. 36 about $\frac{1}{2}$ mi. in azimuth 205°28'59". C/L W. apex one story unpainted farmhouse about $\frac{1}{2}$ mi. in azimuth 341°36'47".
- X-1,614,302.20 Y-566,227.62 El.1543.142 ft.
 25-E-19 TT 1936; In Lugert, Kiowa Co., in SW cor. SE sec. 23, T5N, R20W; in acute fence angle at NE intersec. OK. Hwy. #44; OSCC marker. C/L of monument marked U.S.E.D. Vicksburg Dist. 1 block E. of Lugert School in NW cor. of intersec. in fence cor. in

- azimuth $161^{\circ}08'57''$. C/L S. high point of roof on AT&SF Depot about 100 yds. in azimuth $182^{\circ}01'12''$. C/L W. apex white farmhouse about 2 mi. in azimuth $238^{\circ}42'42''$.
 X-1,616,308.42 Y-567,232.89 El.1550.717 ft.
- 25-E-20 TT 1936; Kiowa Co., 0.4 mi. E. of Lugert; in NW cor. NE, NE, sec. 26, T5N. R20W Standard OSCC marker set in second bench of granite protusion S. of S. curve in road; NW of 2 story farmhouse. C/L E. apex red brick school in Lugert Dist. 36, about 1 mi in azimuth $118^{\circ}35'33''$. C/L top Lone Wolf water tower about 6 mi. in azimuth $189^{\circ}57'48''$. C/L N. high point of roof yellow & brown farmhouse about 100 yds. in azimuth $279^{\circ}56'55''$.
 X-1,617,960.54 Y-567,137.06 El.1573.252 ft.
- 25-E-21 TT 1936; Kiowa Co., 1.4 mi. E. & 0.25 mi. N. of Lugert; in SW cor. NW, NW sec. 19, T5N. R19W; E. of graveled road; 3.0 ft. E. of E. R/W fence; OSCC marker. C/L S. apex weathered 1 story farmhouse about $1\frac{1}{2}$ mi. in azimuth $129^{\circ}48'45''$. C/L roof one story white farmhouse green trim about $\frac{3}{4}$ mi. in azimuth $179^{\circ}12'03''$. C/L N. apex white farm bungalow about $\frac{1}{2}$ mi. in azimuth $355^{\circ}32'20''$.
 X-1,623,850.62 Y-568,439.25 El.1518.962 ft.
- 25-E-22 TT 1936; Kiowa Co., 1.4 mi. E. & 1.0 mi. N. of Lugert; in SE cor. sec. 13, T5N. R20W; bronze USC&GS Stabemarker. C/L S. apex white farm bungalow about $1\frac{1}{2}$ mi. in azimuth $113^{\circ}19'03''$. C/L S. apex small white farm bungalow about $\frac{1}{2}$ mi. in azimuth $184^{\circ}20'45''$. C/L E. apex white 1 story farmhouse about 1 mi. in azimuth $243^{\circ}40'20''$.
 X-1,623,851.46 Y-572,427.34 El.1512.738 ft.
- 25-E-23 TT 1936; Kiowa Co., 3.4 mi. E. & 1.0 mi. N. of Lugert; in NE cor. sec. 20, T5N. R19W; 200 ft. S. & 22 ft. W. of approx. NE cor. sec. 20, opposite schoolhouse. USC&GS Marker, State. C/L E. apex white farmhouse, green trim, about $\frac{1}{2}$ mi. in azimuth $102^{\circ}46'54''$. C/L E. apex white church about 100 yds. in azimuth $168^{\circ}29'19''$. C/L N. apex two story white farmhouse about $\frac{3}{4}$ mi. in azimuth $358^{\circ}16'04''$.
 X-1,634,330.18 Y-572,024.91 El.1485.769 ft.
- See Junction Station 25-D-36.
- Section 2
- See Junction Sta. H-27 1934 25-E-3 TT 1936;
- 25-E-24 TT 1936-G-27 1934 USC&GS; Jackson Co., 0.2 mi. SE of MK&T RR depot at Martha; 0.2 mi. NW of MP #83; 1 mi. E. of Martha High School; 65 ft. S. of Southwestern Power & Light Co. Sub Sta. at Martha; 30 ft. S. of sec. line road; 57 ft. E. of near rail MK&T RR. Standard disk set in concrete post stamped G-27 1934 & 25-E-34 1936; Apex of gable over E. doorway of schoolhouse about 300 yds. in azimuth $75^{\circ}28'12''$. W. apex unpainted farmhouse about $1\frac{1}{2}$ mi. in azimuth $231^{\circ}27'62''$. C/L Altus water tower about 5 mi. in azimuth $332^{\circ}29'52''$.
 X-1,584,509.04 Y-509,272.55 El.1408.508 ft.
- 25-E-25 TT 1936; Jackson Co., 0.25 mi. NW of MK&T RR depot at Martha; 9.2 ft. E. of N-S county road crossing; 16.6 ft. E. of C/L of road & 21.1 ft. E. of E. rail of main track; 12.0 ft. SW of RR crossing sign & at edge of present road; 113.8 ft. NE switch stand on W. side of track. OSCC marker. E. apex yellow farmhouse about 0.75 mi. in azimuth $63^{\circ}03'47''$. USC&GS BM. F-27 1934, in azimuth $152^{\circ}48'44''$. S. apex of porch red brick house about 0.5 mi. in azimuth $177^{\circ}56'17''$. C/L peak Blair water tower about 5 mi. in azimuth $220^{\circ}30'12''$.
 X-1,583,354.42 Y-511,516.45 El.1412.246 ft.
- 25-E-26 TT 1936; Jackson Co., 1.9 mi. NW of MK&T RR depot at Martha, on RR R/W; in NW sec. 10, T5N. R21W; 35.0 ft. S. of C/L of E-W sec. line road; 48.0 ft. W. of W. rail of main track 8.2 ft. SE of telegraph pole. OSCC marker. C/L chimney of unpainted farmhouse about 1 mi. in azimuth $115^{\circ}19'37''$. USC&GS BM. E-27 in azimuth $154^{\circ}24'37''$. Apex Blair water tower about 5 mi. in azimuth $244^{\circ}08'37''$. Apex Altus water tower about 7 mi. in azimuth $332^{\circ}37'02''$.
 X-1,579,009.13 Y-520,011.68 El.1428.195 ft.
- 25-E-27 TT 1936; Jackson Co., 4.0 mi. NW of MK&T RR depot at Martha; 4.83 mi. W. of Blair 37.0 ft. S. of C/L of E-W county road in hand car berm; 11.32 ft. E. of near rail of main track line; 38.7 ft. W. of Consolidated Gas Co. Corrugated iron meter house. OSCC marker. E. apex yellow farmhouse about 1 mi. in azimuth $123^{\circ}41'03''$. USC&GS BM D-27 in azimuth $154^{\circ}28'00''$. W. apex porch white farmhouse about 0.75 mi. in azimuth $247^{\circ}05'23''$. Apex Altus water tower in azimuth $332^{\circ}49'13''$.
 X-1,573,676.53 Y-530,758.45 El.1457.026 ft.
- 25-E-28 TT 1936; in Hester, Greer Co., At MK&T RR depot; near NE cor. SW sec. 20, T4N. R21W; 11.2 ft. E. & in range with S. end of depot; 9.63 ft. W. of W. rail of main track; 500 ft. E. of E-W $\frac{1}{2}$ sec. line road crossing on said RR. OSCC marker set flush with cinder platform of station; E. apex white farmhouse about 0.5 mi. in azimuth $124^{\circ}56'45''$. Apex of middle gable yellow 2 story farmhouse about 0.5 mi. in azimuth $188^{\circ}31'00''$. Apex Blair water tower about 6.5 mi. in azimuth $286^{\circ}47'35''$.
 X-1,569,836.31 Y-538,357.55 El.1471.663 ft.
- 25-E-29 TT 1936; -USC&GS C-27 1934; Greer Co., 0.6 mi. N. of MK&T RR depot at Hester; 297 ft. SW of MP. #90; 132 ft. S. of sec line road; 42 ft. W. of near rail of MK&T RR. Standard disk set in concrete post stamped C-27 1934 & 25-E-29 TT 1936. E. apex white farmhouse about .5 mi. in azimuth $51^{\circ}49'14''$. Apex Mangum water tower about 6 mi. in azimuth $139^{\circ}58'24''$. Blair water tower about 7 mi. in azimuth $291^{\circ}02'14''$.
 X-1,568,297.32 Y-541,344.14 El.1474.398 ft.

25-E-30 TT 1936; Greer Co., 2.0 mi. NW MK&T RR depot at Hester; 3.5 mi. E. & 2.7 mi. S. of Mangum; in hand car term on MK&T RR R/W; in NW, NE, sec. 7, T4N, R21W; 92 ft. SE of N-S road crossing; 10.2 ft. E. of E. rail of main track; about 0.4 mi. SE. of TP. #92; 450 ft. NW of a group of farm buildings E. of RR; OSCC marker. E. apex white farmhouse about 4 mi. in azimuth 61°07'43". Apex Mangum water tower about 3 mi. in azimuth 135°26'53". USC&GS BM B-27 in azimuth 175°24'18". W. apex white farmhouse about 0.75 mi. in azimuth 198°04'18".

X-1,564,977.61 Y-548,072.41 El. 1498.772 ft.

25-E-31 TT 1936; Greer Co., 2.8 mi. NW of MK&T RR depot at Hester; 3 mi. E. & 2 mi. S. of Mangum; on RR R/W; Near SE cor. SW, SW, sec. 6, T4N, R21W; 305.6 ft. E. & 43.0 ft. N. of approx. SW cor. sec. 6; 8.6 ft. W. of W. rail of main line track; 47.0 ft. NW of E-W sec. line road crossing. OSCC marker. E. apex white farmhouse about 4 mi. in azimuth 55°12'08". Mangum Water tower about 2.5 mi. in azimuth 131°04'43". S. apex white farmhouse about 1 mi. in azimuth 189°22'43".

X-1,562,899.13 Y-552,161.15 El. 1513.666 ft.

Section 3.

See 25-B-19 TT 1934; Junction Station.

25-E-32-A TT 1936; (Intermediate) Jackson Co., 2.0 mi. S. & 1.0 mi. E. of Altus Courthouse; near NW cor. sec. 33, T2N, R20W; 21.0 ft. S. & 46.0 ft. E. of approx. NW cor. sec. 33; Station is 1/2" bolt set head down in 2" pipe filled with & set in concrete cast in place; Apex ball on top Compress about 2.5 mi. in azimuth 132°36'30". Apex ball on top Altus water tower about 3 mi. in azimuth 160°35'50". C/L chimney yellow farmhouse about 1.5 mi. in azimuth 39°58'30".

X-1,604,020.97 Y-466,652.40 El. 1369.351 ft.

25-E-33 TT 1936; Jackson Co. 2.0 mi. S. & 2.25 mi. E. of Courthouse, Altus, on MK&T RR R/W; near center of S. line SW, sec. 27, T2N, R20W; 11.32 ft. W. of W. rail main track; 9.0 ft. N. of C/L of E-W sec. line road; 16.2 ft. S. of N. cattle guard on berm built up to rail level; 9.0 ft. N. & 1260 ft. E. of approx. SW cor. sec. 27. OSCC marker. Apex Compress water tower about 3.5 mi. in azimuth 118°44'30". Apex Altus water tower about 4.5 mi. in azimuth 142°43'55". C/L chimney yellow farmhouse about 1 mi. in azimuth 271°35'25".

X-1,610,553.09 Y-466,604.54 El. 1360.631 ft.

25-E-33-A TT 1936; (Intermediate) Jackson Co., 3.9 mi. S. & 4.0 mi. E. of Altus Courthouse; near center N. line NW sec. 2, T1N, R20W; via US Hwy. #283 & county roads; 16 telegraph poles NW along MK&T RR to pole #5935; 28.6 ft. SW of pole & 9.4 ft. NE of near rail, main track in hand car berm; 1.0 ft. N. of E-W fence line range; 1/2" iron bolt set head down in 2" pipe filled with & set in concrete cast in place; Apex Altus water tower about 5 mi. in azimuth 140°09'36". Apex Tipton water tower about 10 mi. in azimuth 309°08'36". E. apex white farmhouse about 1 mi. in azimuth 59°04'16".

X-1,618,416.40 Y-458,579.50 El. 1325.570 ft.

25-E-34 TT 1936; Jackson Co., 5.0 mi. S. & 5.1 mi. E. of Courthouse, Altus; in SW, SW SW sec. 7, T1N, R19W; 21.0 ft. N. & 258.6 ft. E. of SW cor. sec. 7; about 0.7 mi. NW of Humphrey on MK&T RR R/W; 10.4 ft. NE of near rail of main line track; 16.0 ft. S. of C/L of E-W county road; OSCC marker. W. apex unpainted farmhouse about 1 mi. in azimuth 255°57'49". C/L chimney unpainted farmhouse about 1 mi. in azimuth 14°12'19". Water tower on Compress about 6 mi. in azimuth 129°00'39".

X-1,625,182.40 Y-450,552.40 El. 1300.828 ft.

25-E-35 TT 1936; In Humphrey, Jackson Co., on MK&T RR R/W at RR depot; near center of SW sec. 18, T1N, R20W; 6.05 ft. SW of near rail main track; 17.5 ft. NE & in range of S. end of brick depot set flush with cinder platform. OSCC marker. S. apex white farmhouse about 0.5 mi. in azimuth 163°15'37". Tipton water tower about 6 mi. in azimuth 304°21'27". Apex tower on Farmer's Co-op. Gin in azimuth 03°20'42".

X-1,628,091.77 Y-447,049.44 El. 1284.808 ft.

25-E-36 TT 1936; Jackson Co., 0.4 mi. E. & 1.3 mi. S. of Humphrey; near SW cor. sec. 20, T1N, R19W; 34.5 ft. E. of C/L N-S county road; 351 ft. N. & 34.5 ft. E. of approx. cor. sec. 20; in grain field; about 500 ft. SW of unpainted farm bungalow. OSCC marker. Apex Tipton water tower about 7 mi. in azimuth 293°30'25". S. apex white farmhouse about 3 mi. in azimuth 30°57'15". Altus water tower about 9 mi. in azimuth 143°08'55".

X-1,630,074.11 Y-440,316.14 El. 1302.372 ft.

25-E-37 TT 1936; Jackson Co., 0.4 mi. E. & 2.5 mi. S. of Humphrey; on E. side of N-S sec. line road; 351 ft. N. & 34.5 ft. E. of cor.; 59.3 ft. E. of highline; about 500 ft. SW of unpainted farm bungalow. OSCC marker. Tipton water tower about 6 mi. in azimuth 282°16'40". C/L chimney unpainted farmhouse about 2.5 mi. in azimuth 17°35'40". E. apex unpainted farmhouse about 1.5 mi. in azimuth 142°05'20".

X-1,629,955.04 Y-433,577.86 El. 1281.404 ft.

See 25-C-2 TT 1934, Junction Station.

Traverse 25-F. Jackson, Kiowa & Tillman Counties
25-E-17 to Snyder Tri. Station
South Projection.

See 25-B-17 TT 1934. Junction Station.

- 25-F-1 1936; -K-27 1934; Jackson Co., 1.4 mi. NW of MK&T RR depot at Altus; 0.2 mi. S. of MK&T water tank; 0.15 mi. N. of MP. 77; 350 ft. W. of AT&SF RR water tank; 60 ft. E. of near rail of main track MK&T RR; 250 ft. N. of Velon Sta. on MK&T RR; Standard disk set in concrete post stamped K-27 1934 & 25-F-1 TT 1936; C/L comb S. end roof on sheet-iron bldg. about $\frac{1}{2}$ mi. in azimuth $189^{\circ}08'31''$. C/L water tower Altus Cotton Compress in azimuth $12^{\circ}24'41''$. C/L chimney peak of $1\frac{1}{2}$ story house in azimuth $72^{\circ}33'19''$.
- X-1,595,491.40 Y-479,914.66 EL.1394.813 ft.
25-F-2 TT 1936; Altus, Jackson Co., in SW sec. 7, T2N. R20W; 53 ft. E. & 35 ft. N. of intersec. of C/L AT&SF RR with S. line, sec. 7 in SW cor. garden tract. OSCC marker. C/L Blair water tower in azimuth $183^{\circ}36'24''$. C/L Altus water tower in azimuth $272^{\circ}31'54''$. C/L dome on Jackson County Courthouse in azimuth $331^{\circ}00'19''$.
- X-1,595,848.83 Y-482,653.15 EL.1401.579 ft.
25-F-3 TT 1936; Altus, Jackson Co., in NW cor. NE, NE, sec. 18, T2N. R20W; standard OSCC marker set in N. cor concrete footing supporting N. leg of Altus stand pipe. C/L chimney on white house about $\frac{1}{2}$ mi. in azimuth $227^{\circ}38'25''$. C/L N. chimney on house on hill top about 1 mi. in azimuth $277^{\circ}20'47''$. C/L peak of arch over W. entrance to N.G. Armory about 4 blocks in azimuth $339^{\circ}50'22''$.
- X-1,598,442.36 Y-482,559.76 EL.1423.622 ft.
25-F-4 TT 1936; Jackson Co., 1.0 mi. E. & 0.75 mi. N. Altus Courthouse; in SE cor. NE, NE, sec. 17, T2N. R20W; in fence cor.; 33.0 ft. W. of C/L of county road; OSCC marker C/L chimney white house, green trim, about $\frac{1}{2}$ mi. in azimuth $184^{\circ}13'45''$. C/L dome on Altus Courthouse in azimuth $56^{\circ}49'45''$. C/L Altus water tower in azimuth $103^{\circ}54'07''$.
- X-1,604,142.97 Y-481,123.75 EL.1384.560 ft.
25-F-5 TT 1936; Jackson Co., 1.0 mi. E. of Altus Courthouse; in NW cor. sec. 21, T2N. R20W; OSCC marker, in N. end of E. headwall of double 4'x 10' concrete culvert under county road; 58.6 ft. S. of S/L US. Hwy. #62; C/L W. gable on white bungalow about 1 mi. in azimuth $263^{\circ}06'32''$. C/L N. gable on N. wing red 1 story house about 1 mi. in azimuth $359^{\circ}27'27''$. C/L dome on county courthouse in Altus in azimuth $93^{\circ}52'50''$.
- X-1,604,131.75 Y-477,181.24 EL.1378.402 ft.
25-F-6 TT 1936; Jackson Co., 2.5 mi. E. of Altus Courthouse; in SE cor. SW sec. 15, T2N. R20W; 6.0 ft. W. & 48 ft. N. of approx. S. $\frac{1}{4}$ cor. sec. 15; in range of cross fence N; 4.0 ft. W. & 1.5 ft. N. of S. pole of telephone "H" frame #6046/1; OSCC marker. C/L Altus water tower in azimuth $111^{\circ}24'24''$. C/L comb roof S. end brick bungalow about 800 ft. in azimuth $188^{\circ}34'24''$. C/L Altus Cotton Compress water tower in azimuth $84^{\circ}10'58''$.
- X-1,612,054.20 Y-477,196.58 EL.1353.077 ft.
25-F-7 TT 1936; Jackson Co., 3.25 mi. E. of Courthouse, Altus; in NE cor. NW, NW, sec. 23, T2N. R20W; 47 ft. S. of C/L US. Hwy. #62 in range of N. yard fence at farm home; OSCC marker. C/L Altus water tower in azimuth $107^{\circ}16'00''$; C/L comb of roof on yellow white trim bungalow about 1 mi. in azimuth $268^{\circ}52'28''$. C/L Altus Cotton Compress water tower in azimuth $85^{\circ}37'18''$.
- X-1,616,055.84 Y-477,058.80 EL.1346.933 ft.
25-F-8 TT 1936; Jackson Co., 4.5 mi. E. Altus Courthouse; in SW cor. SE sec. 13, T2N. R19W; 1.0 ft. E. & 49 ft. N. of approx. S. $\frac{1}{4}$ cor. sec. 13; 49 ft. N. C/L US. Hwy. #62; 6.0 ft. E. of telephone "H" frame #5966/1; OSCC marker. C/L Altus water tower in azimuth $102^{\circ}46'47''$. C/L comb of roof on W. end white bungalow about $\frac{1}{2}$ mi. in azimuth $217^{\circ}32'19''$. C/L chimney on N. wing of house on horizon with roof only showing in azimuth $18^{\circ}27'39''$.
- X-1,622,568.80 Y-477,062.72 EL.1329.342 ft.
25-F-9 TT 1936; Jackson Co., 5.5 mi. E. of Altus Courthouse; in NE cor. NW sec. 19 T2N. R19W; 1.0 ft. W. & 47 ft. S. of approx. N. $\frac{1}{4}$ cor. sec. 19; in range of cross fence S; 47.0 ft. S. of C/L US. Hwy. #62; OSCC marker. C/L Headrick water tower in azimuth $279^{\circ}10'52''$. C/L comb of roof N. end N. wing white, green trim, farmhouse about 2 mi. in azimuth $351^{\circ}18'22''$. C/L dome Altus Courthouse in azimuth $91^{\circ}14'32''$.
- X-1,627,682.80 Y-476,922.20 EL.1329.163 ft.
25-F-10 TT 1936; Jackson Co., 7.0 mi. E. of Altus Courthouse; in SW cor. sec. 16, T2N. R19W; 37.0 ft. N. & 20.0 ft. E. of approx. SW cor. sec. 16; 37.0 ft. N. C/L US. Hwy. #62. OSCC marker in E. headwall of 2'x2' concrete side ditch culvert SW of Ozark Con. School #6 in azimuth $147^{\circ}58'25''$. C/L comb on N. end house, white, about 500 ft. in azimuth $311^{\circ}33'16''$. C/L Altus Compressa water tower in azimuth $87^{\circ}48'05''$.
- X-1,635,604.74 Y-476,984.88 EL.1324.000 ft.
25-F-11 TT 1936; Jackson Co., 8.0 mi. E. Altus Courthouse; in NW cor. sec. 22, T2N. R19W; OSCC marker in E. headwall of 2'x 2' concrete culvert in side ditch of US. Hwy. #62; 33 ft. S. & 20 ft. E. of approx. NW cor. sec. 22; C/L Headrick water tower in azimuth $286^{\circ}17'52''$. C/L chimney on house about 1 mi. in azimuth $330^{\circ}55'39''$. C/L dome on Altus Courthouse in azimuth $90^{\circ}54'56''$.
- X-1,640,897.85 Y-476,876.85 EL.1341.047 ft.
25-F-12 TT 1936; Jackson Co., 10.0 mi. E. Altus Courthouse; in SW cor. sec. 14, T2N. R19W; OSCC marker in N. headwall of 3.0'x 2.5' concrete culvert under US. Hwy. #62. C/L gable on E. end white house on N. side US. Hwy. #62 about $\frac{1}{2}$ mi. in azimuth $97^{\circ}32'55''$. C/L Headrick water tower in azimuth $311^{\circ}07'45''$. C/L comb roof N. end yellow, green roof house about 1 mi. in azimuth $32^{\circ}25'31''$.
- X-1,651,547.17 Y-476,866.77 EL.1374.527 ft.
25-F-13 TT 1936; Jackson Co., 0.5 mi. N. & 0.45 mi. W. of Headrick; in NE cor. NE,

NW, NY, NE, sec. 24, T2N. R19W; in vertex of angle between US. Hwy. #62 & E-W sec. line road to E.; 7.0 ft. W. of tel. pole; 64.2 ft. NE from C/L of US. Hwy. #62 curve; 443.5 ft. E. & 30.0 ft. S. of approx. N. $\frac{1}{2}$ cor. to sec. 24. OSCC marker. C/L comb roof on W. end yellow bungalow on S. side sec. line road about $\frac{1}{2}$ mi. in azimuth 272°38'12". C/L Headrick water tower in azimuth 333°40'09". C/L comb roof on E. wing white green-trim $1\frac{1}{2}$ story house about 800 ft. in azimuth 65°47'32".

X-1, 654, 625.31 Y-476, 781.76 El. 1374.084 ft.

25-F-14 TT 1936; Jackson Co., 0.5 mi. N. & 0.5 mi. E. of Headrick in SW cor. SE sec. 18, T2N. R18W; 26.8 ft. N. of C/L twp. road, in range of cross fence S; 12.8 ft. W. of yard fence cor. at farmhouse; OSCC marker. C/L chimney on white bungalow on hill about 3 mi. in azimuth 295°39'06"; C/L Headrick water tower in azimuth 32°31'59". C/L E. gable on whitish brown-trim $1\frac{1}{2}$ story house about 1 mi. in azimuth 80°29'15".

X-1, 659, 808.14 Y-476, 770.37 El. 1367.319 ft.

25-F-15 TT 1936; Jackson Co., 0.5 mi. N. & 1.9 mi. E. of Headrick; on approx. N. line sec. 20, T2N. R18W; 664 ft. W. of approx. NE cor. sec. 20; in range of W. yard fence at farm home of Bill Ricks; 40.3 ft. S. of 16 inch cottonwood tree stump; 131.5 ft. S. & ft. W. of said farmhouse. OSCC marker set 12" below road surface. C/L comb of roof on S. end Negro school bldg. about 1 mi. in azimuth 94°34'20". C/L chimney unpainted house at base of Mt. about 7 mi. in azimuth 149°58'35". C/L comb of roof W. end unpainted bungalow about 1 mi. in azimuth 270°02'44".

X-1, 666, 723.29 Y-476, 603.46 El. 1335.593 ft.

EM. 25-F-15 A; Jackson Co., 2.35 mi. NE of St. L. & SF depot at Headrick; Monel metal rivet set in S. curb rail 15" E. of extreme W. handrail post of concrete & steel bridge over N. Fork River; on US. Hwy. #62.

EM. 25-F-15 B; Jackson Co., 2.95 mi. NE of Headrick, via US. Hwy. #62; Monel metal rivet set in S. curb 15" W. of extreme E. handrail post on concrete & steel overpass on US. Hwy. #62 over St. L. & SF RR.

25-F-16 TT 1936; Kiowa Co. 0.5 mi. N. & 3.45 mi. E. of Headrick; in NE cor. NW sec. 22, T2N. R18W; 269 ft. W. & 15 ft. S. of approx. N. $\frac{1}{2}$ cor. sec. 22; in range of E. side of filling sta. & 33.0 ft. N. of NE cor.; 14.8 ft. S. of C/L US. Hwy. #62; 12" below surface. OSCC marker. C/L comb roof W. end white bungalow about 1 mi. in azimuth 273°10'06". C/L chimney on school about $1\frac{1}{2}$ mi. in azimuth 315°27'46". White $1\frac{1}{2}$ story house about 3 mi. on S. side sec. line road in azimuth 89°29'26".

X-1, 675, 060.73 Y-476, 457.83 El. 1408.989 ft.

25-F-17 TT 1936; Kiowa Co., 0.5 mi. N. & 4.55 mi. E. of Headrick; in SW cor. SE sec. 14, T2N. R18W; 5.2 ft. N. & 259 ft. E. of approx. S. $\frac{1}{4}$ cor. sec. 14; 44 ft. N. of C/L US. Hwy. #62; 4.5 ft. S. of telephone pole; OSCC marker. C/L comb roof on large red, white-trim barn about 1 mi. in azimuth 169°02'06". C/L chimney on house S. of 25-F-18 about 2 mi. in azimuth 271°48'51". C/L E. gable on white $1\frac{1}{2}$ story house about 3/4 mi. in azimuth 88°01'28".

X-1, 680, 857.89 Y-476, 472.80 El. 1386.448 ft.

25-F-18 TT 1936; Kiowa Co., 0.5 mi. N. & 6.55 mi. E. of Headrick; in NW cor. NE sec. 19, T2N. R17W; 43 ft. E. & 30.0 ft. S. of approx. N. $\frac{1}{2}$ cor. sec. 19; 500 ft. E. of PC of curve in US. Hwy. #62; 2.5 ft. E. & 4.0 ft. S. of yard fence cor. at farm home of Ray Reser. OSCC marker. C/L Snyder water tower in azimuth 256°35'13". C/L comb roof W. end large red barn about 3/4 mi. in azimuth 296°19'00". C/L chimney on school about $1\frac{1}{2}$ mi. in azimuth 63°47'05".

X-1, 691, 098.45 Y-476, 273.34 El. 1340.952 ft.

25-F-19 TT 1936; Kiowa Co., 4.0 mi. W. & 0.5 mi. S. of Snyder; in NE cor. SE sec. 18 T2N. R17W; 3 ft. W. & 285 ft. S. of approx. E. $\frac{1}{4}$ cor. sec. 18; 41 ft. SE of C/L US. Hwy. #62; OSCC marker. C/L peak on square top yellow bungalow about 2 mi. in azimuth 180°52'36". C/L Snyder water tower in azimuth 261°36'46". C/L Tipton water tower in azimuth 36°17'40".

X-1, 693, 487.08 Y-478, 749.21 El. 1376.308 ft.

25-F-20 TT 1936; Kiowa Co., 3.0 mi. W. of Snyder; in SW cor. SE sec. 8, T2N. R17W; OSCC marker set in W. end of N. headwall of 6'x 4'x 70' concrete culvert under US. Hwy. #62 & twp. road to W; C/L peak roof square yellow house on hill N. between Mts. in azimuth 157°25'54". C/L Snyder water tower in azimuth 268°05'33". Snyder Tri. Sta. in azimuth 275°04'07". C/L gable N. end of white green-trim house about 1 mi. in azimuth 15°16'29".

X-1, 696, 469.61 Y-481, 552.73 El. 1336.915 ft.

25-F-21 TT 1936; Kiowa Co., 1.5 mi. W. of Snyder; in NW cor. sec. 15, T2N. R17W; OSCC marker in N. headwall of 18" diameter concrete pipe culvert; in S. side ditch US. Hwy. #62; C/L Mt. Park water tower in azimuth 215°24'30". C/L Snyder water tower in azimuth 267°45'35". Snyder Tri. Sta. in azimuth 278°46'56".

X-1, 704, 255.67 Y-481, 438.75 El. 1338.424 ft.

25-F-22 TT 1936; In Snyder, Kiowa Co., in SW sec. 11, T2N. R17W; Standard OSCC marker in E. headwall of 18" diameter concrete pipe culvert in N. side ditch of US. Hwy. #62. C/L comb roof E. end white greentop house about 1 mi. in azimuth 119°40'13". C/L Snyder water tower in azimuth 260°18'28". Snyder Tri. Sta. in azimuth 289°09'06".

X-1, 712, 359.52 Y-481, 482.90 El. 1350.211 ft.

25-F-23 TT 1936; At E. edge of Snyder, Kiowa Co., in NW sec. 13, T2N. R17W; Standard OSCC marker set in W. end of S. headwall of 10'x4'x 36' concrete culvert under US. Hwy. #62. C/L Snyder water tower in azimuth 108°48'00". C/L Snyder water tower,

- Cotton Seed Mill about $\frac{1}{2}$ mi. in azimuth $184^{\circ}57'49''$. C/L W.gable on $1\frac{1}{2}$ story unpainted house about 1 mi. in azimuth $279^{\circ}06'08''$.
- X-1,715,730.32 Y-481,394.31 El.1356,196 ft.
Snyder Tri.Sta., 1936; Kiowa Co., on highest point (rocky peak) in vicinity approx. 0.85 mi. E. & 0.25 mi. S. of intersec. US.Hwy.#62 & main street of Snyder; in NE sec.13, T2N.R17W; mark set in large firmly embedded boulder; 30 ft. W. of group of small trees on small summit; Ref.Mark #1; NE of station in peak top boulder; reference mark #2, NW of station in large flat surfaced boulder; azimuth W. by S. from sta. approx. 1.3 mi. on S. side of E-W road; W. of St. L&SF RR. Go S. on Main St., Snyder, on Hwy.#14 to SW curve; continue S. on sec. line from PC 0.1 mi. then E. 0.2 mi. Standard pyramid with bronze marker in S.R/W fence; 20 ft. S. of C/L of road.
- X-1,719,083.84 Y-479,147.54 El.
25-F-24 TT 1936; Spur; Jackson Co., 8.0 mi. E. & 1.35 mi. N. Altus Courthouse; in SE sec.9, T2N.R19W; in SE cor. of yard, farm home of John Buchanna; 84.0 ft. E. & 26.3 ft. S. of said farmhouse; OSCC marker. C/L Altus water tower in azimuth $87^{\circ}55'30''$. C/L steeple on church in village NW in azimuth $143^{\circ}51'57''$. C/L Headrick water tower in azimuth $306^{\circ}38'49''$.
- X-1,640,921.33 Y-484,079.81 El.1356,135 ft.
25-F-25 TT 1936; Spur; Jackson Co., 8.0 mi. E. & 2.5 mi. N. Altus Courthouse; in NE cor. SE sec.4, T2N.R19W; 26 ft. W. & 2.5 ft. S. of approx. E. $\frac{1}{4}$ cor. sec.4; 8.0 ft. W. of W. R/W fence on twp. road. OSCC marker. C/L Altus water tower in azimuth $79^{\circ}55'49''$. C/L peak of Bell tower on school about 2 mi. in azimuth $147^{\circ}49'24''$. C/L Headrick water tower in azimuth $318^{\circ}43'09''$.
- X-1,641,151.84 Y-490,128.92 El.1367,641 ft.
25-F-26 TT 1936; Spur; Jackson Co., 8.0 mi. E. & 3.05 mi. N. Altus Courthouse; in SW sec.34, T2N.R19W; ft. N. & 23 ft. E. approx. SW cor. sec.34; 2.5 ft. E. of E.R/W fence on twp. road. OSCC marker. C/L Altus water tower in azimuth $76^{\circ}11'44''$. Steeple on Methodist Church about $1\frac{1}{2}$ mi. in azimuth $134^{\circ}17'19''$. C/L Headrick water tower in azimuth $323^{\circ}15'51''$.
- X-1,641,313.94 Y-493,071.45 El.1378,891 ft.
25-F-27 TT 1936; Spur; Jackson Co., 8.0 mi. E. & 5.0 mi. N. Altus Courthouse; in SE cor. sec.21, T2N.R19W; 66.0 ft. W. & 38.0 ft. N. of approx. SE cor. sec.21; 30.0 ft. SE C/L of curve on graveled county road. OSCC marker. C/L Altus water tower in azimuth $64^{\circ}05'25''$. C/L comb roof on W. end white green-trim house on S. side road about 1 mi. in azimuth $275^{\circ}28'08''$. C/L W. end comb roof on red barn with tin roof about 2 mi. in azimuth $317^{\circ}47'13''$.
- X-1,641,237.89 Y-503,340.40 El.1391,455 ft.
25-F-28 TT 1936; Spur Terminus; Jackson Co., 8.5 mi. E. & 6.0 mi. N. Altus Court House; in SW cor. SE sec.15, T2N.R19W; 30.0 ft. N. & 30.0 ft. E. of approx. S. $\frac{1}{2}$ cor. sec.15; 4.0 ft. N. & 3.0 ft. E. of fence cor. OSCC marker. C/L Altus water tower in azimuth $56^{\circ}04'32''$. C/L comb of roof on S. end red white-trim barn about 2 mi. in azimuth $172^{\circ}02'21''$. C/L comb N. end roof on yellow bungalow about $1\frac{1}{2}$ mi. in azimuth $03^{\circ}53'53''$
- X-1,643,854.51 Y-508,609.49 El.1415,749 ft.

Traverse 25-H. Greer & Harmon Counties
25-E-13 TT 1936 to Vinson Tri.Sta.
South Projection

See 25-E-13 TT 1936, Junction Station.

- 25-H-1 TT 1936; Greer Co., 8.5 mi. E. & 1.5 mi. S. of Mangum; in SW cor. SE. SW. sec. 31, T5N.R20W; 319 ft. W. & 46 ft. N. of closing cor. ranges 20 & 21; on N. bank at N. road ditch cut through hill on US.Hwy.#283. OSCC marker. C/L Blair water tower 5 mi. in azimuth $348^{\circ}35'01''$. C/L N. apex yellow farm house 1 mi. in azimuth $33^{\circ}04'41''$. C/L Granite Reformatory chimney 6 mi. in azimuth $180^{\circ}28'16''$.
- X-1,593,277.50 Y-557,018.74 El.1550,630 ft.
25-H-2 TT 1936; Greer Co., 7.0 mi. E. & 1.5 mi. S. of Mangum; in NE cor. NW. sec.2, T4N.R21W; 80.0 ft. S. of C/L US.Hwy.#283; 80.0 ft. S. & 3.0 ft. W. of approx. $\frac{1}{4}$ cor. to sec.2; 3 ft. W. & 80.0 ft. S. of approx. std. d. cor. to secs.35 & 36. OSCC marker. C/L N. apex 2 story white house about $1\frac{1}{2}$ mi. in azimuth $322^{\circ}28'03''$. C/L Blair water tower 6 mi. in azimuth $345^{\circ}32'13''$. C/L N. apex unpainted farmhouse about 1 mi. in azimuth $12^{\circ}58'38''$.
- X-1,586,353.27 Y-556,996.07 El.1569,250 ft.
25-H-3 TT 1936; Greer Co., 5.4 mi. E. & 1.5 mi. S. of Mangum; in SW. sec.31, T5N.R21W 50 ft. N. of C/L US.Hwy.#283; at W. margin of clay-shale quarry; in range of W. end barn on opposite side of Hwy. OSCC marker. C/L Blair water tower about 7 mi. in azimuth $322^{\circ}58'04''$. C/L chimney white farmhouse 1 mi. in azimuth $32^{\circ}10'04''$. C/L Mangum water tower about 7 mi. in azimuth $103^{\circ}25'49''$.
- X-1,577,951.60 Y-557,267.26 El.1582,060 ft.
25-H-4 TT 1936; Greer Co., 5.0 mi. E. & 1.5 mi. S. of Mangum; in SE cor. sec.33, T5N.R21W; 51.0 ft. N. of C/L US.Hwy.#283; 51.0 ft. N. & 28.0 ft. W. of approx. std. cor. to secs 33 & 34. OSCC marker. C/L W. chimney white farmhouse about 1 mi. in azimuth $344^{\circ}22'00''$. C/L chimney 2 story white house in grove of trees in azimuth $40^{\circ}34'20''$. C/L W. chimney unpainted farmhouse about $\frac{1}{2}$ mi. in azimuth $183^{\circ}45'30''$.

- X-1,575,902.90 Y-557,287.58 El.1577.254 ft.
 25-H-5 TT 1936; Greer Co., 3.4 mi.E.& 1.5 mi.S.of Mangum; in NE cor.sec.5,T4N.R21W; 65.0 ft.W.& 65.0 ft.S.of closing cor.(stone apparently "in place") to secs.4-5 in telephone pole line on S.side US.Hwy.#283; 19.5 ft.W.of pole in cor.of sec. OSGC marker. C/L chimney white farmhouse about 1 mi.in azimuth 307°19'38". C/L chimney unpainted farmhouse about 1 mi.in azimuth 26°33'08". C/L Mangum water tower about 3½ mi.in azimuth 110°10'38".
- X-1,567,628.57 Y-557,344.14 El.1555.404
 25-H-6 TT 1936; Greer Co.,3.0 mi.E.& 1.5 mi.S.of Mangum; in SE cor.sec.31,T5N.R21W; 30.0 ft.N.of C/L US.Hwy.#283; 1.0 ft.S.& 2.0 ft.E.of fence cor; just NE of small 1 story farmhouse. OSGC marker. C/L chimney unpainted about ½ mi.in azimuth 310°53'05". C/L E.apex white farmhouse about ½ mi.in azimuth 144°37'50". C/L W.apex white farmhouse about ½ mi.in azimuth 261°07'40".
- X-1,565,235.45 Y-557,438.88 El.1556.339 ft.
 25-H-7 TT 1936; Greer Co.,2.25 mi.E.& 1.5 mi.S.of Mangum; in NE cor.NW.NE.sec.1,T4N.R22W; 33.0 ft.S.of C/L of US.Hwy.#283; in range of W.farm lot fence at home of W.D.Medearis; 6.5 ft.N.of cor.post; 37.3 ft.N.& 101.5 ft.W.of NW.cor.said farm house. OSGC marker. C/L SE apex brick farmhouse about ¾ mi.in azimuth 45°37'47". C/L Mangum water tower about 2 mi.in azimuth 119°42'47". C/L chimney white farmhouse about 1 mi.in azimuth 172°01'17".
- X-1,560,862.91 Y-557,453.70 El.1546.551 ft.
 25-H-8 TT 1936;USCGS BM A-27; Mangum; Greer Co.,1.6 mi.SE MK&T RR depot; 0.15 mi.SE of milepost 94; 54 ft.N.of near rail; 21 ft.E.of C/L of sec.line road; in NW cor.of RR.R/W fence; USC&GS marker stamped A-27 1934. C/L chimney white farmhouse about ¾ mi.in azimuth 44°50'35". C/L Mangum water tower about 1 mi.in azimuth 125°04'35". C/L chimney white farmhouse about ¾ mi.in azimuth 211°39'05".
- X-1,557,340.36 Y-558,390.90 El.1541.883 ft.
 25-H-9 TT 1936; Greer Co.,0.5 mi.SE along MK&T RR from depot,Mangum; near SW cor.SE.NE.sec.35,T5N.R22W; 22 ft.NE of near rail on curve; 6.0 ft.N.of N.bank cut; 25.0 ft.SW of N.R/W fence; 50.0 ft.NW.of guyed telegraph pole which is fifth pole NW of "Yard Limit" sign; 300 ft.NE of RR crossing. OSGC marker. C/L chimney white farmhouse about 1 mi.in azimuth 27°36'22". C/L Mangum water tower about ¾ mi.in azimuth 128°24'12". C/L chimney white farmhouse about 1½ mi.in azimuth 280°15'42".
- X-1,553,465.84 Y-560,720.55 El.1562,985 ft.
 25-H-10 TT 1936; In Mangum,Greer Co.,near SW cor.SE sec.36,T5N.R22W; at SE cor. brick platform of MK&T depot; 3.55 ft.W.of near rail main track; 111.4 ft.SE of SE cor station building; OSGC marker. C/L N.apex white farmhouse about 1½ mi.in azimuth 344°06'44". C/L dome 1st Baptist Church,Mangum in azimuth 118°06'14". C/L W.chimney 2 story white farmhouse about ½ mi.in azimuth 228°17'14".
- X-1,551,121.62 Y-563,356.40 El.1580.682 ft.
 25-H-11 TT 1936; Mangum,Greer Co.,in W.shoulder of MK&T RR in hand car safety berm,on industrial track; 9.0 ft.W.of near rail; 16.0 ft.S.of C/L of E.Cleveland St. OSGC marker. C/L Mangum water tower about 2 blocks in azimuth 69°59'59". C/L S. apex white house address 335 E.Tyler St. in azimuth 169°25'59". C/L W.apex roof white house about 3 blocks in azimuth 280°25'59".
- X-1,550,607.60 Y-564,653.44 El.1587.069 ft.
 25-H-12 TT 1936; Y-26: Greer Co.,0.9 mi.NW of MK&T RR depot at Mangum; 0.4 mi N.of MP.96; 105 ft.SW of intersec.MK&T RR & CRI&P RR; 65 ft.W.of near rail of main track of MK&T RR & 33 ft.S.of near rail of main track of CRI&P RR. Standard disk set in concrete post stamped Y-26 1934 & 25-H-12 TT 1936. C/L Mangum water tower about 1 mi.in azimuth 18°29'04". C/L E.apex CRI&P passenger depot about ½ mi.in azimuth 82°53'04". C/L of roof white farmhouse about 1 mi.in azimuth 241°21'04".
- X-1,550,569.62 Y-568,329.43 El.1595.263 ft.
 25-H-13 TT 1936; Greer Co.,2.0 mi.N.of Mangum; in SE cor.SW.SW.sec.14,T5N.R22W on MK&T RR R/W; 3.0 ft.N.& 3.0 ft.W.of new cattle guard post; 32.6 ft.N.of C/L twp. road; 11.4 ft.W.of near rail. OSGC marker. C/L dome of 1st Baptist Church,Mangum about 1½ mi.in azimuth 14°17'13". C/L W.gable white farmhouse about ½ mi.in azimuth 160°31'03". C/L chimney white farmhouse about 1½ mi.in azimuth 316°57'08".
- X-1,550,733.76 Y-573,553.46 El.1587,878 ft.
 25-H-14 TT 1936; Greer Co.,2.0 mi.N.&0.65 mi.W.of Mangum; in NW cor.NE.NW.sec.22,T5N.R22W; 48.0 ft.S.C/L OK.Hwy.#9; in range of W.farm lot fence & 2.5 ft.N.of cor.post. OSGC marker. C/L Mangum water tower about 2 mi.in azimuth 342°18'33". C/L E.apex 2 story white farmhouse about 1 mi.in azimuth 51°43'43". C/L E.apex white farmhouse about 2 mi.in azimuth 125°51'23".
- X-1,546,155.45 Y-573,559.57 El. 1616.392 ft.
 25-H-15 TT 1936;Greer Co.,2.0 mi.N.& 2.0 mi.W.of Mangum; in SE cor.sec.17,T5N.R22N;Standard OSGC Marker set in angle of W.headwall of 18" diameter concrete culvert in N.road ditch;C/L Mangum water tower about 2½ mi.in azimuth 313°17'00".C/L N.apex unpainted farmhouse about 1 mi.in azimuth 42°25'40". C/L Brinkman water tower about 8½ mi.in azimuth 189°13'40".
- X-1,538,991.81 Y-573,709.71 El. 1631.702 ft.
 25-H-16 TT 1936;Greer Co;2.0 mi.N.&3.3 mi.W.of Mangum;in NE cor.NW NE sec.19,T5N.R22W;210.7 ft.W. of cross fence;863.7 ft.W.of USC&GS BM P-96;48.0 ft.S.of C/L OK.Hwy.#9;OSGC Marker.C/L chimney unpainted farmhouse about 2 mi.in azimuth 288°32'

Traverse in Southwestern Oklahoma

- 46". C/L N. chimney unpainted farmhouse about 1 mi. in azimuth 116°11'06". C/L N. Brinkman water tower about 11 mi. in azimuth 198°20'06".
 X-1,532,316.77 Y-573,779.60 El. 1720.997 ft.
 25-H-16-A TT 1936; Greer Co., 2.0 mi. N. & 3.7 mi. W. of Mangum; on top of ridge; 48 ft. N. C/L Ok. Hwy. #9; cast-in-place 2.5" iron pipe with $\frac{1}{4}$ " bolt center concrete about 600 ft. W. of square white house on S. side Hwy. C/L Mangum water tower about 4 mi. in azimuth 296°48'53". C/L chimney of yellow farmhouse about $2\frac{1}{2}$ mi. in azimuth 158°23'03". C/L Brinkman water tower about 12 mi. in azimuth 201°31'43".
 X-1,529,757.59 Y-573,931.97 El. 1739.224 ft.
 25-H-16-B- TT 1936; Greer Co., 2.0 mi. N. & 4.5 mi. W. of Mangum; in NE cor. NW sec. 24, T5N. R23W; cast-in-place 2" iron pipe opposite farm road to N; 97.5 ft. N. & 81.5 ft. W. of NW cor. of old farmhouse S. of road; C/L Mangum water tower about $4\frac{1}{2}$ mi. in azimuth 292°45'24". C/L NW cor. white flat con. school about 2 mi. in azimuth 65°44'59". C/L Brinkman Water Tower about 13 mi. in azimuth 210°21'59".
 X-1,525,855.80 Y-573,901.73 El. 1751.259 ft.
 25-H-17 TT 1936-USC&GS BM N-96 1934; Greer Co., about 5.9 mi. E. of Reed; 2.0 mi. N. & 5.0 mi. W. of Mangum; via Ok. Hwy. #9; in SE cor. sec. 14, T5N. R23W; about 80 yds. SW of white square house; 57 ft. N. of C/L of hwy; 30 ft. W. of C/L of side road; 2 ft. N. of fence cor. & about 3 ft. above the hwy. surface; Standard disk set in concrete post stamped N-96 1934 & 25-H-17 TT 1936; C/L W. apex yellow farmhouse about $\frac{3}{4}$ mi. in azimuth 322°15'41". C/L NW cor. white flat Con. School about $1\frac{1}{2}$ mi. in azimuth 56°30'41". C/L chimney unpainted farmhouse about $\frac{1}{2}$ mi. in azimuth 535°26'01".
 X-1,523,196.40 Y-574,048.12 El. 1739.052 ft.
 25-H-18 TT 1936; Greer Co., 2.0 mi. N. & 5.78 mi. W. of Mangum; in NE cor. NW NW sec. 23, T5N. R23W; 47.0 ft. S. of C/L Ok. Hwy. #9; 433.0 ft. W. of 2 story farmhouse of Sidney Burcham on opposite side of road. OSCC Marker. C/L N. apex white farmhouse about 1 mi. in azimuth 323°04'04". C/L NE cor. white flat Con. School about 1 mi. in azimuth 35°37'39". C/L S. apex unpainted farmhouse about 1 mi. in azimuth 173°31'04".
 X-1,519,104.21 Y-574,048.64 El. 1749.316 ft.
 25-H-19 TT 1936; Greer Co., 2.0 mi. N. & 6.5 mi. W. of Mangum; in SW cor. SE, sec. 15, T5N. R23W; Standard OSCC marker set in W. end of N. headwall of 4'x4'x40' concrete box culvert on Ok. Hwy. #9; 20.0 ft. N. & 80 ft. E. of approx. S $\frac{1}{2}$ cor. to sec. 15; C/L NE cor. white flat Con. School about $\frac{3}{4}$ mi. in azimuth 1°50'14". C/L peak of roof white farmhouse about $\frac{3}{4}$ mi. in azimuth 123°24'34". C/L S. apex white farmhouse about $\frac{1}{2}$ mi. in azimuth 215°58'34".
 X-1,515,401.01 Y-574,194.07 El. 1747.707 ft.
 25-H-20 TT 1936-M-96; Greer Co., 3.9 mi. E. of Reed; via Ok. Hwy. #9; about 54 ft. S. of C/L of hwy; 40 ft. W. of side road to S; 10 ft. W. of fence cor. across road from old windmill & 1 ft. N. of fence line; Standard disc. set in concrete post stamped M-96 1934 & 25-H-20 TT 1936. C/L chimney of white flat Con. School about 1 mi. in azimuth 334°21'11". C/L chimney white farmhouse about 2 mi. in azimuth 64°30'11". C/L N. apex white farmhouse about $1\frac{1}{2}$ mi. in azimuth 126°35'11".
 X-1,512,639.22 Y-574,178.04 El. 1739.878 ft.
 25-H-21-1936; Greer Co., 3.0 mi. E. of Reed; in SW cor. sec. 16, T5N. R23W; Standard OSCC Marker set in E. end of N. headwall of 4' x 2' x 40' concrete culvert under Ok. Hwy. #9; C/L chimney white flat Con. School about $1\frac{1}{2}$ mi. in azimuth 305°45'41". C/L chimney of Reed School about 3 mi. in azimuth 101°07'51". C/L W. apex of white farmhouse about $\frac{1}{2}$ mi. in azimuth 203°26'43".
 X-1,507,428.96 Y-574,345.64 El. 1740.593 ft.
 25-H-22 TT 1936; Greer Co., 1.05 mi. E. of Reed; 436.0 ft. E. & 44.0 ft. N. of approx SW cor. sec. 18, T5N. R23W; 48 ft. N. of C/L Ok. Hwy. #9; 50.0 ft. W. of farm drive to home Mr. Barton; 100.5 ft. S. & 51.5 ft. W. of SW cor. said home; OSCC marker. C/L of N. apex white farmhouse about 1 mi. in azimuth 316°18'18". C/L N. apex white farmhouse about $1\frac{1}{2}$ mi. in azimuth 43°31'58". C/L chimney of Reed Schoolhouse about 1 mi. in azimuth 116°35'48".
 X-1,497,326.98 Y-574,563.63 El. 1742.447 ft.
 25-H-23-TT 1936; USC&GS BM K-96 1934; At Reed, Greer Co., via Ok. Hwy. #9, about 46 ft. N. of NW cor. of Farmers Union Co-op Station; 18 ft. S. of C/L of hwy; standard disk set in top of W. end of S. headwall of concrete culvert, stamped K-96 1934 & 25-H-23 TT 1936. C/L N. apex small unpainted farmhouse about $\frac{3}{4}$ mi. in azimuth 4 48'09". C/L E. apex 2 story unpainted farmhouse about 1 mi. in azimuth 109°10'49". C/L SE cor. Reed School bldg. about $\frac{1}{2}$ mi. in azimuth 177°40'09".
 X-1,491,634.37 Y-574,561.16 El. 1744.252 ft.
 25-H-24 TT 1936; Greer Co., 1.6 mi. W. of Reed; in SE cor. SW, sec. 15, T5N. R24W; 48 ft. N. of C/L of Ok. Hwy. #9; in range of cross fence N.; 525.0 ft. W. & 98 ft. N. of USC&GS BM. J-96. OSCC marker. C/L N. apex unpainted farmhouse about 1 mi. in azimuth 327°32'12". C/L E. apex white farmhouse about 1 mi. in azimuth 127°15'17". C/L apex S. gable white farmhouse about 1 mi. in azimuth 222°20'12".
 X-1,483,714.57 Y-574,748.14 El. 1805.563 ft.
 25-H-25 TT 1936; Harmon Co., 2.3 mi. W. of Reed; in NE sec. 21, T5N. R24W; 50.0 ft. S. of C/L Ok. Hwy. #9; in range of cross fence SE; OSCC marker. C/L chimney unpainted farmhouse about $1\frac{1}{2}$ mi. in azimuth 370°40'56". C/L E. chimney white farmhouse about 1 mi. in azimuth 144°02'56". C/L peak of roof unpainted farmhouse about 1 mi. in azimuth 231°12'26".

X-1,479,140.40 Y-574,736.58 El.1816.486 ft.
 25-H-26 TT 1936; Harmon Co., 4.45 mi.W. of Reed; in SW cor. SE sec. 18, T5N. R24W; 47.0 ft. N. of C/L OK.Hwy.#9; 3.0 ft. E. yard fence at home of W.F. Taylor. OSCC marker C/L N. apex unpainted farmhouse about 1 mi. in azimuth 301°29'01". C/L W. apex white farmhouse about 1 mi. in azimuth 11°17'21". C/L S. apex white farmhouse about 1 mi. in azimuth 141°33'51".

X-1,462,447.16 Y-575,039.34 El.1847.390 ft.
 25-H-27 TT 1936; Harmon Co., 6.0 mi.W. of Reed; 3.0 mi. E. of Vinson; in NE cor. sec. 23, T5N. R25W; 49.0 ft. S. & 33.0 ft. W. of approx. NE cor. to sec. 23; 64.5 ft. W. & 19.5 ft. N. of NW cor. Penley Grocery & filling Sta. OSCC marker. C/L N. apex yellow farmhouse about 1 mi. in azimuth 351°19'36". C/L E. apex grey farmhouse about 2 mi. in azimuth 65°15'46". C/L S. apex unpainted farmhouse about 1 mi. in azimuth 123°29'36".

X-1,460,007.27 Y-575,114.04 El.1853.586 ft.
 25-H-28 TT 1936; Harmon Co., 1.5 mi. E. of Vinson; in SW cor. SE sec. 15, T5N. R25W; 52.0 ft. N. & 1.0 ft. E. of approx. S. 1/2 cor. sec. 15; in range of cross fence N. OSCC marker. C/L N. apex 2 story unpainted farmhouse about 2 mi. in azimuth 338°51'47". C/L chimney white farmhouse about 2 mi. in azimuth 30°20'17". C/L S. apex pump house Prairie Pipe Line Co. about 4 mi. in azimuth 119°42'47".

X-1,452,153.51 Y-575,371.46 El.1866.896 ft.
 25-H-29 TT 1936; Harmon Co., At E. margin of Vinson; in NE cor. sec. 20, T5N. R25W Standard OSCC disk set in N. end of W. headwall of 18" diameter pipe culvert in S. road ditch of OK.Hwy.#9. C/L W. apex white farmhouse about 1 mi. in azimuth 322°51'16". C/L NW cor. Vinson Con. School Bldg. about 1/4 mi. in azimuth 69°42'26". C/L S. gable of unpainted farmhouse about 1 mi. in azimuth 160°43'26".

X-1,444,280.04 Y-575,382.46 El.1871.117 ft.
 25-H-30 TT 1936; Harmon Co., 1.25 mi. W. of Vinson; in SE cor. SW. sec. 18, T5N. R25W; 40.0 ft. N. of C/L OK.Hwy.#9; 40.0 ft. N. & 100.0 ft. W. of approx. S. 1/2 cor. to sec. 18; OSCC marker. C/L W. apex of yellow farmhouse about 1 mi. in azimuth 347°28'53". C/L N. apex unpainted farmhouse about 1 mi. in azimuth 22°08'33". C/L S. apex white farmhouse about 1 mi. in azimuth 172°55'53".

X-1,436,396.79 Y-575,605.53 El.1920.699 ft.
 25-H-31 TT 1936; Harmon Co., 1.6 mi. W. of Vinson; in SE cor. SW. SW. sec. 18, T5N. R25W; 52.0 ft. N. of C/L of OK.Hwy.#9; 723.5 ft. E. & 52.0 ft. N. of approx. SW. cor. to sec. 18; 4.0 ft. N. of N.R/W fence; 23.0 ft. N. of top of cut. OSCC marker. C/L of W. apex yellow farmhouse about 1 mi. in azimuth 332°35'11". C/L chimney white farmhouse about 1 mi. in azimuth 67°40'11". C/L S. chimney white farmhouse about 1 1/2 mi. in azimuth 197°35'11".

X-1,434,691.77 Y-575,636.30 El.1923.756 ft.
 Vinson Tri., Sta. Harmon Co., (E.C. Heaton 1921-1927); 1.5 mi. W. & 3/4 mi. N. of Vinson P.O., in NE sec. 13, T5N. R25W; on property belonging to Mr. Reynolds & rented by J.B. Shirley; on top of high knoll on line between cotton patch & corn patch, about 1/2 mi. NW of Shirley's home. Reached from Vinson 1 1/2 mi. W. on Hwy.#9, thence N. 3/4 mi. to Shirley's house. Surface mark & underground marks are standard disk station marks in concrete, notes 1 a & 7 a. Reference mark is standard reference disk in concrete note 11 a; 26.69 meters (87.6 ft.) from sta. in azimuth 267°20'00". Reference mark at Vinson has been destroyed. Disk is lying at triangulation station. C/L peak of roof square white house about 1 mi. in azimuth 59°15'06". C/L E. apex unpainted farmhouse about 3/4 mi. in azimuth 142°05'41". C/L W. apex of pump house at Prairie Pipe Line Booster Sta., about 1 1/2 mi. in azimuth 249°54'11".

X-1,431,941.18 Y-579,765.99

Traverse 26-A; Jefferson & Cotton Counties;
 Benton Tri.Sta. To Keele Tri.Sta. to Hastings Tri.Sta. to Bailer Tri.Sta.
 South Projection

Benton Tri.Sta. (Jefferson Co., W. Bowie, 1902; 1923). - About 5 mi. E. & 1 mi. N. of Sugden, in sec. 25, T5S. R7W; at highest point of ridge running N. & S. on land belonging (in 1923) to W.A. Paddock. The stone marking center of section is 123.93 M. (406.6 ft.) from sta. in azimuth 282°03'53". Surface mark is standard disk sta. mark in top of tile, note 6b; disk is stamped "Benton 1902". Underground mark is a bottle set in concrete, top of bottle being 2 1/2 ft. below surface. Reference mark (1902) is a stone, 9 by 11 by 21 inches set in concrete in the SW cor. of Jackson's yard, the center mark being a cross cut in stone, 23.10 M. (75.8 ft.) from sta. in azimuth 233°21'. In 1923 an additional reference mark No. 2 was set, consisting of a standard reference disk set in the fence line near the stone marking the center of section; it is 125.43 M. (411.5 ft.) from station in azimuth 255°15'37".

X-2,034,132.71 Y-276,505.04 El.1989.314 ft.
 26-A-1 TT 1934; Jefferson Co., 5 mi. S. & 6 mi. E. of Waurika; in sec. 35, T5S. R7W; 4676 ft. E. of approx. NW cor.; on S. side of road; USC&GS - State marker E. gable (main) of Paddock's house in azimuth 145°26'15". S. gable house on horizon on hill W. of Paddock's in azimuth 134°08'20".

X-2,031,261.79 Y-273,757.58 El.1957.179 ft.

26-A-2 TT 1934; Jefferson Co., 5 mi. S. & 5.5 mi. E. of Waurika; 1144 ft. E. of SW cor. sec. 26, T5S. R7W; on E. side of road; inside of R/W; USC&GS - State Marker. S. gable

- of house on horizon in azimuth $156^{\circ}40'34''$. Ryan water tower in azimuth $29^{\circ}59'41''$.
 X-2,027,729.42 Y-273,785.81 El. 949.647 ft.
- 26-A-3 TT 1934; Jefferson Co., 5 mi.S. & 4.5 mi.E. of Waurika; 316.61 ft.E. of NW cor.sec.34, T5S.R7W; on S.side of road; inside of R/W; USC&GS-State Marker. Ryan water tower in azimuth $15^{\circ}46'38''$. Waurika water tower in azimuth $143^{\circ}17'51''$.
 X-2,021,610.60 Y-273,748.03 El. 923.227 ft.
- 26-A-4 TT 1934; Jefferson Co., 5 mi.S. & 3.5 mi.E. of Waurika; 2294.3 ft.E. of approx. SW cor.sec.28, T5S.R7W; on N.side of road; inside of R/W; USC&GS-State Marker. Ryan water tower in azimuth $07^{\circ}26'13''$.
 X-2,018,294.35 Y-273,786.32 El. 912.880 ft.
- 26-A-5 TT 1934; Jefferson Co., 5 mi.S. & 2.25 mi.E. of Waurika; on US Hwy.#31, 163 ft.N. of junction with road to Sugden; on E.side of hwy; just inside R/W; USC&GS - State Marker. Ryan water tower in azimuth $352^{\circ}30'03''$. Waurika water tower in azimuth $155^{\circ}53'33''$.
 X-2,012,535.22 Y-273,920.27 El. 892.956 ft.
- 26-A-6 TT 1934; Jefferson Co., 1 mi.W. of Sugden; on road skirting N.part Sugden; (on S.line sec.25, T5S.R8W) 3780 ft.W. of Range Line; S.side of road; 2 ft.S. of R/W fence USC&GS-State Marker. Waurika water tower in azimuth $175^{\circ}03'45''$; cupola Sugden School house in azimuth $291^{\circ}20'36''$. Ryan water tower in azimuth $330^{\circ}20'55''$.
 X-2,002,995.83 Y-273,750.25 El. 936.924 ft.
- 26-A-7 TT 1934; Jefferson Co., 2 mi.W. of Sugden; on road skirting N.part of Sugden; 2270 ft.W. of SE cor.sec.26, T5S.R8W; on high point of hill; N.side of road; just inside R/W; USC&GS-State Marker. Ryan water tower in azimuth $321^{\circ}21'27''$.
 X-1,997,903.89 Y-273,832.33 El. 939.135 ft.
- 26-A-8 TT 1934; Jefferson Co., 2.8 mi.W. of Sugden; 1254 ft.W. of NE cor.sec.34, T5S.R8W; just under R/W fence; USC&GS-State Marker. Ryan water tower in azimuth $315^{\circ}08'47''$.
 X-1,993,588.06 Y-273,857.97 El. 935.858 ft.
- 26-A-9 TT 1934; Jefferson Co., 4 mi.NW of Sugden; in SE sec.28, T5S.R8W; on land belonging to A.W. Davis; 100 ft.NE of Davis residence; 2316 ft.NW of point where traverse cuts E.line sec.28, T5S.R8W; USC&GS-State Marker. Ryan water tower in azimuth $308^{\circ}34'16''$.
 X-1,987,255.99 Y-274,375.63 El. 1012.045 ft.
- Keele Tri.Sta. (Jefferson Co., E.O. Heaton, 1923). - About 3 mi.W. & 4.5 mi.S. of town of Waurika, at E.side of roadway on sec. lines between secs.28 & 29, about 1/3 mi. S. of NW cor. of sec.28, T5S.R8W, & about 60 M (197 ft.) due E. from J.W. Keele's farmhouse; Surface & underground marks are standard disk sta.marks in concrete, notes 1a & 7a. Reference mark is standard reference disk in concrete, note 11a, placed in the SE cor. of Keele's yard, & 21.06 M (69.1 ft.) from sta. in azimuth $63^{\circ}35'45''$.
 X-1,984,335.53 Y-272,120.58 El. 1020.471 ft.
- 26-A-10 TT 1934; Jefferson Co., 2.5 mi.S. & 2 mi.W. of Waurika; 2945 ft.N. of SW cor. sec.16, T5S.R8W; on E.side of road; just inside of R/W fence. USC&GS-State Marker. SE edge of house on N.horizon in azimuth $295^{\circ}43'46''$. apex S.gable of 4 gable house with tin roof to NW in azimuth $336^{\circ}30'23''$.
 X-1,984,357.89 Y-287,592.86 El. 984.621 ft.
- 26-A-11 TT 1934; Jefferson Co., 2 mi.S. & 1 mi.W. of Waurika; 758 ft.W. of SE cor. sec.9, T5S.R8W; on N.side of road; just inside R/W. USC&GS-State Marker. Waurika water tower in azimuth $223^{\circ}53'54''$. apex E.gable of 4 gabled tin roofed house in azimuth $94^{\circ}25'01''$.
 X-1,988,894.21 Y-289,879.37 El. 993.275 ft.
- 26-A-12 TT 1934; Jefferson Co., 1.6 mi.S. of W. edge of Waurika; 1450 ft.N. of SW cor.sec.11, T5S.R8W; on E.side of road; just inside R/W fence; on high point of hill. USC&GS-State Marker. Waurika water tower (taller of two together) in azimuth $208^{\circ}48'20''$. Compress water tower at Waurika in azimuth $216^{\circ}40'56''$.
 X-1,994,935.57 Y-291,782.01 El. 947.489 ft.
- 26-A-13 TT 1934; Jefferson Co., 1/2 mi.S. of W. edge of Waurika; 2259 ft.N. of SE cor.sec.3, T5S.R8W; on W. side of road; just inside R/W. USC&GS-State Marker. Waurika water tower (taller of two together) in azimuth $230^{\circ}14'41''$. Compress water tower at Waurika in azimuth $244^{\circ}58'03''$.
 X-1,994,801.40 Y-297,295.48 El. 910.612 ft.
- South Monument; Jefferson Co., in Waurika; 111.7 ft.N. of SW cor. block 44 in Sycamore Addition; 3 ft.W. of property line; (the N.monument 2208.8 ft.N.) Monuments set 18" below surface of ground encased in water meter boxes. USC&GS-State Markers.
 El. 873.508 ft.
- 26-A-14 TT 1934; Jefferson Co., 1 mi.W. of Waurika; 933 ft.E. of NW cor.sec.3, T5S.R8W; on OK.Hwy.#5; at Waurika cemetery; 4 ft.N. of fence; 100 ft.W. of N.cemetery gate. USC&GS-State Marker. S.sta.N.meridian pair in azimuth $269^{\circ}16'15''$. Waurika water tower in azimuth $260^{\circ}54'36''$. Compress water tower in azimuth $270^{\circ}46'05''$.
 X-1,990,591.23 Y-300,404.16 El. 950.813 ft.
- 26-A-15 TT 1934; Jefferson Co., 2.5 mi.W. of Waurika; 450 ft.E. of SW cor.sec.4, T4S.R8W; on OK.Hwy.#5; on crest of hill; 3 ft.S. of N.R/W fence. USC&GS-State Marker. Waurika water tower (taller of two together) in azimuth $264^{\circ}39'02''$. E.gable of white house 1 1/2 mi. in azimuth $102^{\circ}12'07''$.
 X-1984,846.06 Y-300,526.96 El. 934.897 ft.

Traverse 26-A; Benton Tri.Sta., Via Waurika, to Pailer Tri. Sta. 81

- 26-A-16 TT 1934; Jefferson Co., 4 mi.W. of Waurika; in sec.31, T4S.R6W; on Ok.Hwy. #5; N.side of hwy; 2 ft.S. of R/W fence line; 50 ft.SE. of E.T.Antrim house. USC&GS-State Marker. Main N.gable of school house about 1 mi; in azimuth 339°52'08".
 X-1,977,404.93 Y-300,613.15 El.998.154 ft.
- 26-A-16-A 1934; Jefferson Co., 5 mi.W. of Waurika; on OK.Hwy.#5; monel metal rivet set in center S.headwall of small concrete culvert; approx.350 ft.E. of sec.cor. El.923.190 ft.
- 26-A-16-B 1934; Jefferson Co., 5.3 mi.W. of Waurika; on OK.Hwy.#5; monel metal rivet set in S.headwall of small concrete culvert; approx. 1500 ft.W. of 5 mi.sec.cor. El. 914.681 ft.
- 26-A-17 TT 1934; Jefferson Co., 6 mi.W. of Waurika; in SE.sec.35, T4S.R9W; 2 ft. N. of fence line; about 200 ft.E. of breaks over-looking Red River Flats; on land belonging to C.L.Procter; about ¼ mi.SW of Proctor residence; 2.1 mi.W. of sta.26-A-16. USC&GS-State Marker.W.gable 1 story frame house ½ mi.in azimuth 230°11'44". E gable 1½ story white house in SW sec.35, T4S.R9W ¾ mi.in azimuth 287°34'51".
 X-1,966,596.57 Y-300,638.94 El. 944.260 ft.
- 26-A-18 TT 1934; Jefferson Co., 6½ mi.W. & 1 mi.N. of Waurika; 1300 ft.W. of SE cor. sec.27, T4S.R9W; on N.side of E-W sec. line; 2 ft.S. of fence line. USC&GS-State Marker. Hastings city water tower in azimuth 193°42'09".
 X-1,962,059.55 Y-305,884.59 El.992.507 ft.
- Hastings Tri.Sta.(Jefferson Co., E.O.Heaton, 1923).-About 8 mi.W. & 1½ mi.N. of Waurika, 3 mi.S. & 1 mi.W. of the town of Hastings, ½ mi.E. of the Jefferson-Cotton County line, in NE cor. of SW sec.27, T4S R9W, on land belonging to W. J. Johnson, and rented by Bill Hall, on E.end of rather prominent ridge and about 600 M (1,968 ft.) N. of Hall's house. Surface and underground marks are standard disk sta.marks in concrete, notes 1a & 7a. Reference mark is standard reference disk in concrete, note 11a, in fence line, 174.27 M(571.8ft.) from sta.in azimuth 8°53'05".
 X-1,960.151.81 Y-307,952.72 El.1028.713 ft.
- 26-A-19 TT 1934; Cotton Co., 4½ mi.W. & 1 mi.N. of Waurika; 1.75 mi.W. & 3 mi.S. of Hastings; in NW sec.33, T4S.R9W; on S. side of E-W sec. line; ¼ mi.W. of Jefferson-Cotton Co. line USC&GS-State Marker. W.gable of house in NW cor.NW sec.27, T4S.R9W in azimuth 199°44'39". NW cor.chimney on residence L.L.Ruchaboy, in SE cor.SW sec. 27, T4S.R9W in azimuth 266°19'42".
 X-1,956,925.69 Y-305,804.73 El.981.880 ft.
- 26-A-20 TT 1934; Cotton Co., 9½ mi.W. of Waurika; in SW sec.32, T4S.R9W; N.side OK.Hwy.#5; directly in front of residence of Bruce B.Adams; 100 ft.S. of house.USC&GS State Marker. Byers, Texas, water tower in azimuth 10°15'13" S.gable yellow frame house ½ mi.in azimuth 153°21'44".
 X-1,948,834.90 Y-300,552.58 El. 934.664 ft.
- 26-A-20-A 1934; Cotton Co., approx.9mi.W. of Waurika; in sec.6, T5S.R9W; monel metal rivet in concrete floor of Martin Chapel Church; 1 foot from W.side of church porch which faces N.; Church is on S.side of road. El. 938.591 ft.
 X
- 26-A-21 TT 1934; Cotton Co., 10½ mi.W. of Waurika; NE of sec.6, T5S.R9W; on S. side of road; 2 ft.N. of fence row. USC&GS-State Marker. Byers, Texas, water tower in azimuth 04°48'09". Hastings water tower in azimuth 219°16'00".
 X-1,945,667.56 Y-300,467.80 El. 951.008 ft.
- 26-A-22 TT 1934; Cotton Co., 12½ mi.W. of Waurika; 500 ft.E. of SW.cor.sec.36, T4S.R10W; on N.side of road; 2 ft.N. of fence line; on land owned by Oklahoma School Land Dept. USC&GS-State Marker. S.gable 2 story white house ¾ mi.in azimuth 159° 21'58".
 X-1,937,618.68 Y-300,535.14 El. 934.680 ft.
- 2 26-A-23 TT 1934; Cotton Co., 13 mi.W. of Waurika; in SE sec.35, T4S.R10W; on N. side OK.Hwy.#5; in R/W fence; 200 ft.W. of two story house. USC&GS-State Marker. Byers, Texas, water tower in azimuth 344°57'57". S.gable yellow frame house 1 mi.in azimuth 147°22'57".
 X-1,934,188.69 Y-300,531.46 El.956.201 ft.
- 26-A-23-A 1934; Cotton Co., 13 mi.W. of Waurika (between secs.2 & 35, T5S.R10W) monel rivet in W.end of N.headwall of concrete box culvert under OK.Hwy.#5. El. 933.613 ft.
- 26-A-23-B 1934; Cotton Co., 13½ mi.W. of Waurika; at NW cor.sec.2, T5S.R10W; monel metal rivet set in E.headwall of 5'x2'x24' concrete box culvert; (across OK.Hwy. #5); in side ditch. El.936.975 ft.
- 26-A-24 TT 1934; Cotton Co., 13.5 mi.W. of Waurika; 200 ft.E. of NE sec.3, T5S.R10W ; on OK Hwy.#5; in S R/W fence. USC&GS-State Marker. Hastings water tower in azimuth 234°51'37" E.main gable yellow frame house 1 mi.in azimuth 82°44'14".
 X-1,929,839.18 Y-300,479.16 El. 967.687 ft.
- 26-A-25 TT 1934; Cotton Co., 7½ mi.S. of Temple; in SW sec.34, T4S R10W; on E. side OK.Hwy.#5; 2 ft.W. of fence line; 70 ft.S. of ½ sec. line; across road from residence of Mrs.J.D.Graham. USC&GS-State Marker.N.gable 2 story white house ¾ mi.in azimuth 205°58'18".
 X-1,926,266.92 Y-300,087.71 El.994.838 ft.
- 26-A-26 TT 1934; Cotton Co., 7mi.S. & 3/8 mi.W. of Temple; in SE sec.28, T4S.R10W; on N. side E-W sec. line; in R/W fence about 1/8 mi.E. of ½ sec. line. USC&GS-State

Marker. Temple water tower in azimuth $185^{\circ}53'33''$. N.gable 2 story white house $1\frac{1}{8}$ mi. in azimuth $349^{\circ}58'31''$.

X-1,924,006.63 Y-305,814.78 El. 981.403 ft.
26-A-26-A 1934; Cotton Co., 7 mi. S. & $\frac{3}{4}$ mi. W. of Temple; 1400 ft. W. of cor. common to secs. 29, 30, 31, & 32, T4S. R10W; monel metal rivet set in SE headwall of 6'x6'x28' concrete box culvert between sections 29 & 32, T4S, R10W; on S. side OK. Hwy. #5.

El. 927.365 ft.
26-A-27 TT 1934; Cotton Co., 7 mi. S. & $1\frac{1}{2}$ mi. W. of Temple; in SW sec. 29, T4S. R10W; on N. side of road; in R/W fence; 125 ft. W. of $\frac{1}{2}$ sec. line; monument is across road from residence of Mr. R. L. Voegelin. USC&GS-Marker. W.gable school house $1\frac{1}{2}$ mi. in azimuth $334^{\circ}31'52''$. W.gable school house $1\frac{1}{2}$ mi. in azimuth $206^{\circ}50'49''$.

X-1,918,179.38 Y-305,787.71 El. 939.435 ft.
26-A-27-A 1934; Cotton Co., 7 mi. S. & 2 mi. W. of Temple; monel metal rivet set on NW cor. of wood bridge pier on Cache Creek; on OK. Hwy. #5.

El. 898.724 ft.
26-A-28 TT 1934; Cotton Co., 7 mi. S. & $2\frac{3}{4}$ mi. W. of Temple; in NW sec. 31, T4S. R10W; on S. side of road; in R/W fence; 200 ft. E. from residence. USC&GS-State Marker. N. gable 1 story brown house $\frac{1}{2}$ mi. in azimuth $329^{\circ}10'46''$. W. side chimney on 2 story house $\frac{3}{4}$ mi. in azimuth $167^{\circ}00'46''$.

X-1,912,257.22 Y-305,750.35 El. 898.679 ft.
26-A-29 TT 1934; Cotton Co., 7 mi. S. & 4 mi. W. of Temple; in NE NE sec. 35, T4S. R11W; at intersec. of OK. Hwy. #5 & #65; 30 ft. S. of driveway of Brownville Filling Station. USC&GS-State Marker. N.gable of house $\frac{5}{8}$ mi. in azimuth $357^{\circ}29'45''$. E. gable 1 story house $\frac{3}{8}$ mi. in azimuth $99^{\circ}33'29''$.

X-1,905,239.14 Y-305,674.17 El. 916.117 ft.
26-A-30 TT 1934; Cotton Co., 8 mi. S. & $4\frac{1}{2}$ mi. W. of Temple; in SE sec. 35, T4S. R11W; on N. side of E-W sec. line; 18" S. of R/W fence; 125 ft. SE of residence of J. D. Rainwater; 300 ft. E. of $\frac{1}{2}$ sec. line. W. hip of house $\frac{1}{2}$ mi. E. in NW cor. NW sec. 1, T5S. R11W; in azimuth $273^{\circ}30'34''$. E.gable house 350 ft. SW in NE cor. NW sec. 2, T5S. R11W, in azimuth $75^{\circ}29'15''$.

X-1,902,900.08 Y-300,546.38 El. 1001.801 ft.
Bailer Tri. Sta. (Cotton Co., E. C. Heaton, 1923). - About 8 mi. E. & $1\frac{1}{2}$ mi. S. of Randlett, 7 mi. S. & 5 mi. W. of Temple, $1\frac{1}{2}$ mi. S. & $\frac{1}{2}$ mi. E. of Taylor. Blacksmith shop and store at crossroads. In SW $\frac{1}{2}$ sec. 2, T5S. R11W, on the N. bluff of Red River, on excess land about 2.5 M (8 ft.) S. of fence at S. side of property belonging to J. A. Bailey, & $\frac{1}{2}$ mi. SE of his house. Surface and underground marks are standard disk station marks in concrete, notes 1a & 7a. Reference mark is standard reference disk in concrete, note 11a, in corner of fence near Bailey's house, and 515.23 meters (1,690.4 ft.) from sta. in azimuth $115^{\circ}59'21''$.

X-1,901,497.90 Y-298,483.16 El. 1031.076 ft.

Traverse 26-B; Cotton County

Bailer Tri. Sta. to Gammill Tri. Sta. - to Miller Tri. Sta.
South Projection

Bailer Tri. Sta. see terminus Traverse 26-A above.

26-B-1 TT 1934; Cotton Co., 7 mi. S. & 5 mi. W. of Temple; 300 ft. W. of SE cor. sec. 27, T4S. R11W; 1.5 ft. S. of N R/W fence line OK. Hwy. #5; 10 ft. E. of C/L of driveway leading into premises of Mr. Hooper. USC&GS-State Marker. S.gable frame house 1200 ft. on SE sec. 27, T4S R11W. in azimuth $194^{\circ}07'59''$. N. main gable 1 story white frame house $1\frac{1}{2}$ mi. NE NW sec. 2, T5S. R11W in azimuth $332^{\circ}20'21''$.

X-1,899,564.51 Y-305,857.62 El. 998.802 ft.
26-B-2 TT 1934; Cotton Co., 7 mi. S & 7 mi. W. of Temple; ($4\frac{1}{2}$ mi. E. of Randlett;) 1920 ft. W. of NE sec. 32, T4S, R11W; 5 ft. N. of S. R/W fence line OK. Hwy. #5; 725 ft. E. of $\frac{1}{2}$ sec. line; set 6 inches below ground level of adjoining field. USC&GS-State Marker. S. gable 1 story white house $\frac{5}{8}$ mi. in azimuth $233^{\circ}36'17''$. Temple city water tower in azimuth $229^{\circ}17'30''$.

X-1887,534.35 Y-305,905.28 El. 1032.686 ft.

26-B-3 TT 1934; Cotton Co., 7 mi. S. & 8 mi. W. of Temple; 4 mi. E. of Randlett; 285 ft. E. of SW cor. sec. 29, T4S. R11W; 1.15 ft. S. of N R/W fence line OK. Hwy. #5 USC&GS-State Marker. Water tower, Farmers' Cooperative Gin at Randlett in azimuth $80^{\circ}49'57''$. S. main gable of school house $1\frac{1}{2}$ mi. in azimuth $176^{\circ}07'23''$.

X-1,884,486.87 Y-305,997.33 El. 1030.556 ft.

26-B-3-A 1934; Cotton Co., 7 mi. S & 8.5 mi. W. of Temple; 425 ft. E. of NE cor. sec. 31, T4S, R12W; chisel square cut in S. headwall of concrete culvert 10'x 4'x 25'.

El. 978.316 ft.
26-B-4 TT 1934; Cotton Co., 2.25 mi. E. of Randlett; 1200 ft. E. of NW cor. sec. 36, T4S, R12W; 3 ft. N. of S R/W fence line OK. Hwy. #5; 90 ft. E. & across road from driveway leading to premises of Mr. Bennett. USC&GS-State Marker. S.gable Richland School House $2\frac{1}{4}$ mi. in azimuth $53^{\circ}22'38''$. N.gable 2 story white house $\frac{7}{8}$ mi. W. side of road in azimuth $20^{\circ}35'48''$.

X-1,874,859.57 Y-306,017.61 El. 1006.587 ft.

26-B4-A 1934; Cotton Co., 1.6 mi. E. of Randlett; (1800 ft. E. of NW cor.) sec. 35, T4S, R12W; square cut in S. headwall concrete culvert 8'x3'x26' under OK. Hwy. #5;

- 1200 ft. E. of cemetery. El. 1000.891 ft.
 26-B-5 TT 1934; Cotton Co., 1/2 mi. E. of Randlett; 57 ft. E. of approx. S. $\frac{1}{4}$ cor. sec. 27, T4S, R12W; 1.5 ft. S. of N R/W fence line OK. Hwy. #5; across road & in front of premises Mr. R. L. Baldwin. USC&GS-State Marker; Water tower of Farmers' Cooperative Gin in Randlett in azimuth 271°10' 42". W. gable 2 story white house on hill $\frac{3}{4}$ mi. in azimuth 59°48'12".
 X-1,865,765.68 Y-306,126.03 El. 1035.878 ft.
- 26-B-6 TT 1934; Cotton Co., in SE part of Randlett; in NE sec. 33, T4S, R12W; 270 ft. W. of US Hwy. #70 & 277; on S. side of E-W road; at S. edge of Randlett; 2 ft. N. of fence row; across road & directly S. of W. line of property of Chickasha Gin Co. USC&GS-State Marker. W. gable 2 story white house $\frac{1}{2}$ mi. in azimuth 249°45'43". W. gable of S. one of two red barns $\frac{1}{2}$ mi. in azimuth 301°21'01".
 X-1,862,619.02 Y-306,069.68 El. 1024.226 ft.
- 26-B-7 TT 1934; Cotton Co., at SW cor. of Randlett; 400 ft. W. of Se cor. sec. 29, T4S, R12W; 1.5 ft. S. of N R/W fence line OK. Hwy. #5 USC&GS-State Marker. S. gable of house W. side, 500 ft. in azimuth 199°30'24". N. gable 1 story house $\frac{1}{2}$ mi. on E. side of road in azimuth 350°23'07".
 X-1,857,374.75 Y-306,158.10 El. 1058.960 ft.
- 26-B-7-A TT 1934; Cotton Co., 1. mi. W. of Randlett; BM is approx. between secs. 29 & 32, T4S, R12W; square cut in N. headwall of concrete culvert size 3'x2'x26' under OK. Hwy. #5; 30 ft. E. of N-S $\frac{1}{2}$ sec. line fence; 60 ft. E & 80 ft. S. of farm home of Mr. D. J. Moore. El. 1049.639 ft.
- 26-B-8 TT 1934; Cotton Co., 1.8 mi. W. of Randlett; 1000 ft. E. of NW cor. sec. 32, T4S, R12W; 1.5 ft. S. of N R/W fence line OK. Hwy. #5; across road directly in front of premises of Mr. C. C. Beaver. USC&GS-State Marker. N. gable house painted white about $\frac{5}{8}$ mi. in azimuth 350°56'15". N. gable 2 story white house $\frac{1}{2}$ mi. in azimuth 14°16'24".
 X-1,853,412.49 Y-306,100.34 1059.319 ft.
- 26-B-8-A 1934; Cotton Co., $2\frac{1}{2}$ mi. W. of Randlett; 1778 ft. E. of SW cor. sec. 30, T4S, R12W; square cut in N. headwall of culvert 4'x2'x18'; 862 ft. W. of $\frac{1}{2}$ sec. line fence. El. 1049.146 ft.
- 26-B-9 TT 1934; Cotton Co., 4.2 mi. W. of Randlett; 1600 ft. E. of SW cor. sec. 25, T4S, R13W; 2 ft. S. of N R/W fence on OK. Hwy. #36. USC&GS-State Marker. Devol water tower in azimuth 106°12' 29".
 X-1,843,774.74 Y-306,199.67 El. 1069.517 ft.
- Gammill Tri. Sta., Cotton Co. (E. O. Heaton, 1923)- 3 mi. W. of Randlett; 4 mi. E. & $\frac{1}{2}$ mi. S. of Devol, on E. side of roadway, between secs. 25 & 26, T4S, R13W, 120 M. (394 ft) S. of $\frac{1}{4}$ sec. cor. about 40 M. (131 ft.) NW of C. B. Gammill's house, 7 ft. W. of E. fence line of roadway, 10 ft. NW of NW cor. of Gammill's yard. Surface and underground marks are standard disk station marks in concrete, notes 1a & 7a. Reference mark is standard reference disk in concrete, note 11a, placed at quarter sec. cor. on W. side of road, & 121.02 M. (397.0 ft.) from station in azimuth 174°09'26".
 X-1,841,991.43 Y-308,423.34 El. 1098.599 ft.
- 26-B-10 TT 1934; Cotton Co., 2.6 mi. E. of Devol; 287 ft. E. of NW cor. sec. 23, T4S R13W; 3 ft. N. of S. R/W fence; directly in front of Mr. S. M. Hardin's farmhouse. USC&GS State marker. Devol Watertower in azimuth 94°17'15". C/L chimney $\frac{1}{2}$ story white house in SW sec. 24, T4S R13W, in azimuth 268°38'15".
 X-1,836,988.18 Y-311,451.21 El. 1082.740 ft.
- 26-B-11 TT 1934; Cotton Co., 1 mi. E. of Devol; 3114 ft. W. of SE cor. sec. 21, T4S R13W; 2 ft. S. of N. R/W fence on OK. Hwy. #36. USC&GS State Marker. Devol Watertower in azimuth 99°03'35".
 X-1,828,297.03 Y-311,555.44 El. 1056.012 ft.
- Miller Tri. Sta. (Cotton Co., E. O. Heaton, 1923). -1 mi. E. & 2 mi. S. of Devol, in SW SW sec. 33, T4S R13W; on land belonging to Mrs. Jake Miller, whose house is about 300 meters (984 ft.) to northward. Station is about 250 meters (820 ft.) NE of SW cor. sec. 33, about 100 meters (328 ft.) E. of W. sec. line and about 250 meters (820 ft.) SE of most southeasterly one of several oil storage tanks & is on the highest knoll in the vicinity overlooking the Red River to southward. Surface and underground marks are standard disk station marks in concrete, notes 1a & 7a. Reference mark is standard reference disk in concrete, note 11a, place in E. fence line of sec. 33 and 116.68 meters (382.8 ft.) from station in azimuth 86°09'56".
 X-1,826,494.08 Y-301,528.61 El. 1104.139 ft.

Traverse 26-C Cotton and Tillman Counties
 Miller Tri. Sta. to Grandfield Tri. Sta.,
 South Projection.

See Terminus 26-B Traverse.

26-C-1 TT 1934; Cotton Co., at S. edge of city limits in Devol; C/L Main St. produced; 260 ft. W. of RR crossing; in fence line on S. side of road; 790 ft. E. of NW cor. sec. 29, T4S R13W; USC&GS State Marker. Miller Tri. Sta. in azimuth 154°21'09". Burkburnett, Tex. Watertower in azimuth 351°25'09". Devol Watertower in azimuth 184°45'59".

X-1,821,683.23 Y-311,541.83 El. 1076.159 ft.
 BM 26-C-1 A; Cotton Co., approx. $\frac{1}{4}$ mi. S. of center of Devol; monel metal rivet

- set in SW leg of Devol Water tower. El. 1068.076 ft.
 BM 26-C-1B; Cotton Co., monel metal rivet set in curb in front of Devol U.S. Post Office. 35 ft.W. of C/L OK Hwy.#36; 30 ft. S.of C/L Catalpa Street. El. 1073.988 ft.
- BM 26-C-1C; Cotton Co., monel metal rivet set in SE cor. Methodist Church porch step at Devol; corner of Poplar St. and OK Hwy.#36. El. 1075.146 ft.
- 26-C-2 TT 1934; Cotton Co., at N.end of Main St. Devol, where OK Hwy.#36 turns W; 1.5 ft.S.of N. R/W fence line; USC&GS & State Marker. Devol Watertower in azi. 358°51'56". First ventilator on W.end of roof of Standoline Pipe Line Co. S. pump station in azimuth 268°53'22".
- X-1,821,685.60 Y-316,877.55 El. 1076.928 ft.
- 26-C-3 TT 1934; Cotton Co., about 1½ mi.N.of Devol; 2382 ft.N.of SW cor. sec.8, T4S,R13W; 2.0 ft.W.of E. R/W fence on OK Hwy.#36; directly in line with N.side of house 60 ft. E. belonging to S.E. McCullough. USC&GS & State Marker. Grandfield water tower in azimuth 91°05'27". Burkburnett, Tex. Watertower in azimuth 352°58'44".
- X-1,820,992.94 Y-324,520.49 El. 1112.434 ft.
- 26-C-4 TT 1934; Tillman Co., 2 mi.N. & 2 mi.W.of Devol; 289 ft.E.of SW cor.sec. 1,T4S,R14W; on N.side of OK Hwy.#36; directly in line with W.side of residence about 60 ft.N.on property belonging to John Short; USC&GS & State Marker. Devol water tower in azimuth 323°40'05". Grandfield water tower in azimuth 82°06'34".
- X-1,810,805.11 Y-327,500.50 El. 1086.236 ft.
- 26-C-4A; Tillman Co., 3 mi.E. of Grandfield; 150 ft.N.of OK Hwy.#36; monel metal rivet set in SW cor. Center Point Church porch; 126 ft.E.of N-S county road; 170 ft. NW of Mon. 26-C-4 at SW cor. sec.1,T4S,R14W. El. 1087.489 ft.
- 26-C-4B; Tillman Co., monel metal rivet set in SE cor. S.headwall 6'x2'x22", conc. culvert, OK Hwy.#36; 1½ mi.E.of Grandfield; 1656 ft.E.of Mon. 26-C-5. El. 1110.591 ft.
- 26-C-5 TT 1934; Tillman Co., 1¼ mi.E.of Grandfield; 1017 ft.E.of NW cor. sec. 10,T4S,R14W; 5 ft.N. of S.R/W fence on OK Hwy.#36; directly in line with E.side of house 70 ft.S. belonging to E.M.Kimmel. USC&GS & State Marker. Devol Watertower in azimuth 305°38'22". Grandfield water tower in azimuth 72°23'31".
- X-1,800,943.37 Y-327,528.28 El. 1117.429 ft.
- 26-C-6 TT 1934; Tillman Co., in Grandfield; 48 ft.S.of NE cor. of block 48; 5 ft. E.of E.edge of sidewalk; 948 ft.S.of NW cor.sec.8,T4S,R14W; 948 ft.S.of OK Hwy. #36. USC&GS & State marker. W.end roof peak white farmhouse with one chimney about 1 mi.in azimuth 338°41'43". Center of ball on Grandfield steel water tower in azimuth 57°30'13". W. end roof ridge peak on Rock Island RR Depot on E.side main N-S road at E.end Grandfield Main St. in azimuth 183°16'48".
- X-1,794,695.77 Y-326,049.05 El. 1158.707 ft.
- Grandfield Tri. Sta., Tillman Co., about ½ mi.S.of Grandfield; 1284 ft.N. of SE cor. sec.8,T4S,R14W; on west side of road leading to Grandfield Bridge over Red River; 1.5 ft.E.of W. R/W fence on land belonging to Mrs. R.A. Marton. Ref. mark is 60 ft.E.of Tri. Sta., and is used as traverse station since 26-C6 and Grandfield Station are not intervisible. Grandfield Ref.Point in azimuth 264°54'32". Devol water tower in azimuth 292°09'47". Peak of 4 sided roof of large 2 story white house, S.E.McCullough home, about ½ mi.in azimuth 69°06'08". Ball on Grandfield watertower in azimuth 132°48'06".
- X-1,794,609.48 Y-323,661.44 El. 1154.461 ft.
 Grandfield R.M. El. 1152.629 ft.

Traverse 26-D; Tillman County
 Grandfield Tri.Sta., to Burk Tri.Sta.,
 South Projection.

See Terminus 26-C Traverse.

- 26-D-1 TT 1934; Tillman Co., in Grandfield at S.end of Main St. 3 ft.N.of E-W fence which is S.boundary of Grandfield; 78.8 ft.SW of city fire plug. USC&GS & State Marker. Watertower Grandfield in azimuth 93°54'06". Cupola on Grandfield High School bldg. in azimuth 174°55'07".
- X-1,793,479.83 Y-325,018.79 El. 1135.231 ft.
- 26-D-2 TT 1934; Tillman Co., at W.edge of Grandfield on W.side N-S road which is W. boundary of Grandfield; directly in line with N.side of house 51 ft.W. of Sta; 720 ft.S.of NW cor.sec.7,T4S,R14W. USC&GS & State Marker. Cupola on Grandfield High School bldg in azimuth 278°57'37". Grandfield Watertower in azimuth 297°15'29".
- X-1,789,399.68 Y-326,958.77 El. 1122.267 ft.
- 26-D-3 TT 1934; Tillman Co., 1.4 mi.W.of Grandfield; in SE,SW,sec.6,T4S,R14W; 38 ft.N.of C/L OK Hwy.#36; E.of Mabel Embler residence. USC&GS & State Marker. Grandfield watertower in azimuth 291°06'07". Chimney on yellow house about 2 mi. in azimuth 58°30'48".
- X-1,786,114.74 Y-327,745.38 El. 1114.371 ft.
- 26-D-4 TT 1934; Tillman Co., 3.05 mi.W.of Grandfield; 33 ft.S.of C/L OK Hwy. #36; in NE,NE,sec.11,T4S,R15W; 614 ft.W.of W.side E.B. Dunkson Farmhouse. (10 gable

- house). USC&GS State Marker. Grandfield Watertower in azimuth $280^{\circ}25'27''$. Chimney of yellow house about $1\frac{1}{2}$ mi. in azimuth $3^{\circ}35'33''$.
- X-1,778,172.46 Y-327,793.37 El.1108.508 ft.
- 26-D-5 TT 1934; Tillman Co., 5.1 mi. W. of Grandfield; in SE $\frac{1}{4}$, SE $\frac{1}{4}$ sec. 4, T4S R15W; 1 ft. S. of N.R/W fence & 40 ft. E. of E. side of farmhouse of C.B. Reynolds. USC&GS State Marker. Grandfield Watertower in azimuth $276^{\circ}43'30''$. NE cor. brick chimney atop C.B. Reynolds farmhouse about 250 ft. in azimuth $164^{\circ}22'40''$.
- X-1,767,776.42 Y-328,033.47 El.1135.126 ft.
- 26-D-6 TT 1934; Tillman Co., 7.3 mi. W. of Grandfield; in NW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$ sec. 7, T4S R15W; 1009 ft. W. of E. line of said sec. 7 on S. side of graveled road, 1 ft. S. of S.R/W fence; directly opposite farm drive & bridge over N. road ditch. USC&GS State Marker. Grandfield Watertower in azimuth $274^{\circ}35'43''$. Burke Tri. Sta. in azimuth $303^{\circ}48'16''$.
- X-1,756,889.53 Y-328,049.77 El.1146.262 ft.
- 26-D-7 TT 1934; Tillman Co., 8.8 mi. W. & 1 mi. S. of Grandfield in SW cor. SE $\frac{1}{4}$ sec 12, T4S R16W; 2.5 ft. S. of N.R/W fence & 7 ft. E. of N-S $\frac{1}{2}$ mi. fence. USC&GS State Marker. Burke Tri. Sta. in azimuth $37^{\circ}32'58''$.
- X-1,749,934.63 Y-322,888.08 El.1173.209 ft.
- Burke Tri. Sta., 9 mi. W. & 1.75 mi. S. of Grandfield, in SE $\frac{1}{4}$ sec. 14, T4S R16W; on land owned by H.L. Burke; standard bronze marker in concrete on highest ground in yard, 65.3 ft. SW from SE cor. of Mr. Burke's residence; 58.6 ft. NE from NE cor. of barn; 46.4 ft. SE from SE cor. of concrete slab over storm cellar. Reference mark is standard reference disk in concrete, note 11a, placed in fence cor. at W. side of road and 56,590 meters (185.7 ft.) from station in azimuth $297^{\circ}38'29''$. Grandfield Water Tower in azimuth $262^{\circ}48'43''$.
- X-1,747,083.80 Y-319,179.77 El.1187.798 ft.

Traverse 26-E; Tillman County.
Burke Tri. Sta. to Frederick Tri. Sta.
South Projection.

See Terminus 26-D Traverse;

- 26-E-1 TT 1934; Tillman Co., 9.0 mi. W. of Grandfield on Grandfield-Davidson Road at PT of curve; 325 ft. N. of SE cor. sec. 3, T4S R16W; on land owned by Mrs. R.A. Morton; 4 ft. W. of R/W fence & 33 ft. W. of C/L of N-S road. USC&GS State Marker. C/L chimney on 2 story white house on W. side of road in NE cor. SE sec. 10 in azimuth $1^{\circ}10'21''$. C/L chimney on main gable of $1\frac{1}{2}$ story white house about 1 mi. in azimuth $179^{\circ}55'38''$. C/L stack on Victory Gin about 14 mi. in azimuth $101^{\circ}40'51''$.
- X-1,742,015.52 Y-328,575.52 El.1126.941 ft.
- 26-E-2 TT 1934; Tillman Co., 11.0 mi. W. & 1.0 mi. N. of Grandfield; 150 ft. E. of approx. NW cor. sec. 4, T4S R16W; 12 ft. S. of S.R/W fence line; 41.0 ft. S. of C/L of Grandfield-Davidson Road; on land of F.J. Henson; USC&GS State Marker. C/L chimney on Fuqua House 1 mi. in azimuth $272^{\circ}29'40''$. C/L E. chimney on A. Burke House in NE cor SE sec. 10 in azimuth $311^{\circ}40'51''$. NE chimney on 1 story white house facing W. about 1 mi. in azimuth $101^{\circ}08'19''$.
- X-1,731,710.92 Y-333,610.12 El.1144.643 ft.
- 26-E-3 TT 1934; Tillman Co., 12 mi. W. & 1 mi. N. of Grandfield, on Grandfield-Davidson Road; in NW cor. sec. 5, T4S R16W; 38 ft. S. of C/L of road; 500 ft. E. of N-S road; 325 ft. mag. brg. N. $66^{\circ}0'$ E. from NE cor. of unpainted house at SE cor. of road intersec. USC&GS State Marker. C/L E. chimney on W. side of road between sec. 10 & 11; about 2.75 mi. in azimuth $301^{\circ}13'08''$. C/L of Sanford Church about 1.5 mi. in azimuth $33^{\circ}11'30''$. NE cor. chimney on white house facing W. about $\frac{1}{2}$ mi. in azimuth $147^{\circ}51'10''$.
- X-1,726,820.26 Y-333,668.26 El.1161.694 ft.
- 26-E-4 TT 1934; Tillman Co., 12 mi. W. & 1 mi. N. of Grandfield; on Grandfield-Davidson Road at Valley ^Gin cor.; 27.5 ft. S. & 6 ft. W. of C/L of N-S road; in approx. center of "Y" formed where road from S. curves to E. & W. at junction with Grandfield-Davidson Road. USC&GS State Marker. C/L chimney of Sanford Church on N. side of road about 1.7 mi. in azimuth $303^{\circ}59'33''$. C/L chimney white house about 100 yds. E. side of road in azimuth $186^{\circ}34'13''$. SE cor. chimney on cream colored house about $\frac{1}{2}$ mi. in azimuth $87^{\circ}10'03''$.
- X-1,715,734.93 Y-333,797.22 El.1157.432 ft.
- 26-E-5 TT 1934; Tillman Co., 6 mi. E. of Davidson on Grandfield-Davidson Road; in SE cor. sec. 33, T3S R17W; on land of Mary E. Gish; 48.5 ft. N. & 53 ft. W. of C/L where improved road from N. (Frederick) joins Grandfield-Davidson Road. USC&GS State Marker. Hickerson Tri. Sta. in azimuth $306^{\circ}49'55''$. SE cor. S. chimney on J.S. Franklin house in azimuth $259^{\circ}04'55''$. C/L Davidson Watertower about 6 mi. in azimuth $88^{\circ}07'50''$. C/L middle water tower of 3 water towers in Frederick about 12 mi. in azimuth $164^{\circ}10'13''$.
- X-1,705,164.24 Y-333,996.70 El.1187.055 ft.
- Hickerson Tri. Sta.; Tillman Co., (E.O. Heaton, 1923). 15 mi. due W. of Grandfield; in NE sec. 11, T4S R17W; on land owned by C.V. Hickerson & occupied by Glen Wallis; in small pasture about 300 meters (984 ft.) S. of Wallis' house; 20 meters (66 ft.) N. of S. fence line and 45 meters (148 ft.) W. of E. fence line pasture; surface & underground marks are standard disk station marks in concrete, notes 1a & 7a; reference mark is standard reference disk in concrete note 11a; 8 meters (26 ft.) S. of C/L of road; 25 meters (82 ft.) W. of Wallis house & 299.53 meters (982.7 ft.) from station

- in azimuth $180^{\circ}01'12''$. C/L smoke stack on Valley Gin about 1.25 mi. in azimuth $194^{\circ}34'34''$. C/L N. air vent on Farmer's Gin about 1.25 mi. in azimuth $293^{\circ}41'43''$. C/L S. chimney on house facing E. about 2 mi. in azimuth $128^{\circ}14'10''$.
 X-1,713,782.17 Y-327,541.22 El.1197.959 ft.
- 26-E-6 TT 1934; Tillman Co., 4.0 mi. E. of Davidson; NE cor. sec. 6, T4S R17W; 33 ft. S. of C/L Grandfield-Davidson Road; 32 ft. W. of C/L N-S road; on land of D.J. Whitrow. USC&GS State Marker. C/L Davidson Water Tower about 4 mi. in azimuth $87^{\circ}08'36''$. E. tower of 3 towers at Frederick about 10 mi. in azimuth $176^{\circ}13'13''$. SW cor. N. chimney brown house facing N. about 900 ft. in azimuth $310^{\circ}06'36''$.
 X-1,694,658.52 Y-334,023.03 El.1145.590 ft.
- 26-E-7 TT 1934; Tillman Co., 2.5 mi. E. of Davidson; in NW cor. NE sec. 1, T4S R18W; about 102 ft. S. of C/L Grandfield-Davidson Road; 2 ft. W. of fence on E. side of yard in front of two story house on land of Newsome Estate. USC&GS State Marker. C/L Davidson Watertower about 2.5 mi. in azimuth $85^{\circ}44'01''$. Right tower of 3 towers in Frederick about 10 mi. in azimuth $184^{\circ}31'01''$. SE cor. of chimney on house on land of W.H. Newsome Est. in azimuth $28^{\circ}27'13''$.
 X-1,687,649.97 Y-334,024.76 El.1154.744 ft.
- 26-E-8 TT 1934; Tillman Co., about 1.5 mi. E. of Davidson; on Grandfield-Davidson Road; 34 ft. N. of C/L; at approx. center of S. boundary SW. SE. sec. 35, T3S R18W; on land of Roberta Robey. USC&GS State Marker. C/L Cotton Compress 3 water towers in Frederick about 10 mi. in azimuth $190^{\circ}22'36''$. C/L Davidson Watertower about 2 mi. in azimuth $82^{\circ}14'49''$. C/L chimney on Newsome house about 100 ft. in azimuth $273^{\circ}43'46''$.
 X-1,682,659.93 Y-334,219.18 El.1155.410 ft.
- 26-E-9 TT 1934; Tillman Co., 1.7 mi. N. of Davidson; in NE cor. NE sec. 34, T3S R18W 12 ft. W. of St. L&SF RR crossing; 110 ft. S. of MP 772-15; 1000 ft. S. from farmhouse on land of Mrs. J.M. Hare; USC&GS State Marker set in concrete stamped C-37 1934 & 26-E-9 TT 1934. C/L Davidson Watertower about 1.75 mi. in azimuth $39^{\circ}45'40''$. C/L chimney on Newsome house in yard which is located 26-E-7 about 2.5 mi. in azimuth $302^{\circ}48'13''$. SW cor. of top of chimney of house about 100 ft. in azimuth $199^{\circ}44'21''$.
 X-1,678,891.04 Y-339,499.17 El.1159.696 ft.
- 26-E-10 TT 1934; Tillman Co., 2.1 mi. N. of Davidson; in NE. SW sec. 26, T3S R18W; on OK. Hwy. #14 about 6" below level of pavement & 9.3 ft. E. of chiseled arrow on edge of pavement; about 100 ft. E. of MP 772-4; USC&GS State marker. City Compress Tower of Frederick, tower to right of 3 towers, about 8 mi. in azimuth $190^{\circ}15'43''$. Davidson Watertower about 2 mi. in azimuth $39^{\circ}45'26''$. C/L chimney white house on S. side of Grandfield-Davidson Road about 1.5 mi. in azimuth $330^{\circ}15'31''$.
 X-1,680,218.44 Y-341,095.95 El.1158.485 ft.
- 26-E-11 TT 1934; Tillman Co., 2.7 mi. N. of Davidson; in NW. NE sec. 26, T3S R18W; 38 ft. W. of W. edge OK. Hwy. #14; 17.5 ft. SE of 1st. telegraph pole S. of St. L&SF RR MP. 771-15; 35 ft. E. of W. R/W fence. USC&GS State Marker. C/L Davidson Watertower about 3 mi. in azimuth $34^{\circ}56'52''$. C/L Cotton Compress Tower, to right, in Frederick about 6.5 mi. in azimuth $195^{\circ}01'05''$. NE cor. chimney on 4 room brown house about 800 ft. in azimuth $343^{\circ}52'52''$.
 X-1,681,200.07 Y-344,049.02 El.1169.699 ft.
- 26-E-12 TT 1934; Tillman Co., 3.9 mi. N. of St. L&SF depot in Davidson; 15 ft. E. of MP. 770-8; 2 ft. E. of W. R/W fence; OK. Hwy. #14. USC&GS State Marker. C/L Davidson Watertower about 4.5 mi. in azimuth $27^{\circ}42'17''$. C/L compress tower in Frederick about 5 mi. in azimuth $195^{\circ}05'20''$. C/L chimney SE cor. Dist. #3 Consolidated School about 2 2.5 mi. in azimuth $216^{\circ}15'46''$.
 X-1,683,131.10 Y-351,393.96 El.1186.452 ft.
- 26-E-13 TT 1934; Tillman Co., 5.0 mi. N. of Davidson; in NW cor. SW sec. 12, T3S, R18W; 39 ft. S. of MP. 769-4; 45 ft. W. of C/L OK. Hwy. #14; in acute road angle. USC&GS State Marker. Frederick Cotton Compress Tower about 4 mi. in azimuth $195^{\circ}08'43''$; L. edge Davidson Watertower about 5.6 mi. in azimuth $25^{\circ}09'28''$. C/L SE chimney Dist. #3 Con. School about 2 mi. in azimuth $232^{\circ}50'26''$.
 X-1,684,427.35 Y-356,307.65 El.1197.344 ft.
- 26-E-14 TT 1934; Tillman Co., 3.9 mi. S. from Frederick; in sec. 1, T3S; R18W; 32 ft. S. of C/L E-W sec. road; 61 ft. W. of C/L OK. Hwy. #14; 37 ft. E. of E. rail of St. L&SF RR; 3 ft. N. of E-W R/W fence & 10 ft. W. of hwy. fence. USC&GS State Marker. BM. Z-37 about 0.75 mi. in azimuth $194^{\circ}43'24''$. SW cor. Dist. #3 Con. School about 1.5 mi. in azimuth $333^{\circ}38'29''$. C/L Frederick Compress Watertower about 3 mi. in azimuth $195^{\circ}25'17''$.
 X-1,686,883.33 Y-365,698.74 El.1207.491 ft.
- 26-E-15 TT 1934; Tillman Co., 2.8 mi. S. of Frederick St. L&SF RR Depot; 75 ft. S. of MP. 766-11; in sec. 36, T2S R18W; about 2 mi. S. of N. line; 43 ft. W. of C/L OK. Hwy. #14 6.5 ft. E. of E. R/W fence; USC&GS State Marker. USC&GS BM Z-37 about 1400 ft. in azimuth $15^{\circ}20'40''$. C/L Frederick Compress Tower, E. tower, about 2 mi. in azimuth $195^{\circ}35'59''$. SW cor. Dist. #3 Con School about 2.5 mi. in azimuth $351^{\circ}40'44''$.
 X-1,688,111.92 Y-370,299.39 El.1232.303 ft.
- 26-E-16 TT 1934; Tillman Co., 2.0 mi. S. of St. L&SF Depot in Frederick; 35 ft. N. of MP. 765-10; in NE. NE. sec. 25, T2S R18W; 500 ft. S. of E-W sec. road; 35 ft. W. of C/L OK Hwy. #14; 2 1/2 ft. E. of R/W fence. USC&GS State Marker. C/L Frederick Cotton Compress Tower, E. tower, about 1 mi. in azimuth $196^{\circ}20'59''$. NW cor. Cons. School #3. about 3.5 mi in azimuth $359^{\circ}49'24''$. NE cor. chimney on white house on N. side of road about 0.5 mi in azimuth $106^{\circ}54'11''$.

X-1,689,533.05 Y-375,723.56 El.1255.255 ft.
 26-E-17 TT 1934; Tillman Co., about 30 ft. E. of C/L of S. 1st. St. which is W. city limit of Frederick; at approx. center of W. line of NW. SW sec. 17, T29 R18W; about 150 ft. SE from M.W. Gotschall house & about 325 ft. S. of Negro School; USC&GS State Marker. C/L Frederick Cotton Compress Tower about $\frac{1}{4}$ mi. in azimuth 316°09'46". C/L City Watertower of Frederick about 2000 ft. in azimuth 205°17'25". NW. cor. chimney Tillman Co. Court House, Frederick about $\frac{3}{4}$ mi. in azimuth 107°59'13".
 X-1,690,016.89 Y-383,832.37 El.1312.816 ft.
 26-E-18 TT 1934; Tillman Co., in the 500 blk. N. 1st St. Frederick; 4.5 ft. E. of W. R/W fence; 27 ft. W. of C/L of N. 1st. St. Near center of E. line SE sec. 12, T29 R17W. USC&GS State Marker. NW cor. W. Ward School, Frederick about 800 ft. in azimuth 269°39'11". C/L Frederick Compress Tower about 1 mi. in azimuth 344°36'24". SW cor. chimney of Frederick Golf Course Club House about 0.4 mi. in azimuth 178°18'16".
 X-1,689,994.66 Y-387,672.86 El. 1321.594 ft.
 See Terminus 25-C Traverse.

Traverse 27-A Jefferson and Cotton Counties,
 Monument Tri., Sta., to 29-B-6 TT 1934.
 South Projection.

Monument Tri., Sta; Jefferson Co., About 3 mi. E. of Addington; on Monument Hill; on land owned by Henry Price of Addington; in NE sec. 3, T4S R7W; 2229.9 ft. from NW cor. sec. 2. azimuth 201°14'15"; 146.3 meters (480 ft.) N. 80° E. of highest rock in ledge forming western support of hill.

X-2,025,753.66 Y-329,882.94 El.1079,751 ft.
 Note: The original surface mark was missing in 1923 and had been replaced by standard tablet stamped "Monument 1902"; in 1934 this standard tablet was missing and foundation demolished; the subsurface mark was uncovered and found in good condition. Reference mark was found in good condition.

Reference mark is nail in terra cotta pipe filled with and set in concrete note 21; 2.03 meters (6.7 ft.) W. of N-S fence; 2.06 meters (6.8 ft.) N. of E-W fence and 180.76 meters (593.0 ft.) from station in azimuth 176°00'49"; NE cor. sec. 2, T4S R7W; is 679.67 meters (2229.9 ft.) from station in azimuth 201°17'05".

EM 27-A-0; Jefferson Co., 4 mi. E. of Addington; monel metal rivet embedded in large sandstone rock 75 ft. from and N. 106° W. of Monument Hill Tri., Sta., 80 ft. from and N. 34° W. of highest point on Monument Hill; N. 34° E. and 240 ft. from large stone forming southernmost crest of Monument Hill.

El. 1084.746 ft.
 27-A-0-A Intermediate traverse Sta. #1; Jefferson Co., $2\frac{1}{2}$ mi. E. of Addington; in NW $\frac{1}{4}$ sec. 3, T4S R7W; approx. 2200 ft. NW of Monument Hill Tri. Sta. Station is concrete filled clay pipe on little hillock just S. of large rock hill; elevation is taken at E. edge of top of concrete intermediate station.

X-2,023,928.29 Y-331,124.75 El.1050.324 ft.
 27-A-1 TT 1934; Jefferson Co., About $1\frac{1}{2}$ mi. E. of Addington; 0.55 mi. W. of SE cor. sec. 33, T3S R7W; on N. side E-W road 1 ft. S. of R/W fence; about 180 ft. E. of SE cor. of house owned by J.E. Evans and rented by W.M. Harper; USC&GS State Marker. House rented by Mark Cook in azimuth 13°48'58". Chimney center of E. bldg. Adventist Church in azimuth 104°35'57". Hastings Water Tower in azimuth 84°14'42".

X-2,018,954.35 Y-331,969.69 El.973,639 ft.
 27-A-1-A; Monel metal rivet in middle of N. headwall of concrete culvert on Tp. line about 1 mi. E. of Addington; about 25 yds. NW of Magnolia Petroleum Co. tank #2313; 160 yds. W. of pump station.

El. 940.232 ft.
 27-A-2 TT 1934; In Addington, Jefferson Co., 0.2 mi. E. of SW cor. sec. 32, T3S. R7W; 1 ft. S. of N. R/W fence of E-W road; 190 ft. NE of NE cor. of Addington Public School Bldg. Station is N. of azimuth pair; Sta 27-A-3 is the mate. USC&GS State Marker. Hastings Watertower in azimuth 83°24'45". Chimney of Adventist Church in azimuth 109°50'18". Comanche Watertower in azimuth 177°23'04". Chimney of Addington School Bldg. in azimuth 26°34'08".

X-2,012,308.60 Y-331,956.57 El.965.638 ft.
 Em 27-A-2-A; Monel metal rivet in Addington Baptist Church walk about 6" from E. edge and about 6" from first step.

El. 945.006 ft.
 Em 27-A-2-B; Monel metal rivet in concrete floor of vestibule at NE entrance to Addington School Bldg. Rivet is about 8" from S. & E. walls.

El. 965.054 ft.
 27-A-3 TT 1934 S. Monument Meridian Pair; Jefferson Co., In Addington on N. side Purdy Ave.; 1 ft. S. of property line; about $\frac{3}{4}$ blk. E. of US. Hwy. #81; 124 ft. N. & 15° E. from monel rivet set in cement sidewalk 6" from lowest step at NW cor. of Baptist Church. USC&GS State Marker. Cupola Baptist Church, Addington in azimuth 77°54'59".

X-2,010,282.38 Y-331,359.96 El. 945.635 ft.
 27-A-4 TT 1934; Jefferson Co., 1 mi. W. $\frac{1}{8}$ mi. N. of Addington; 660 ft. N. of SW

cor.sec.31,T3S R7W; 1.5 ft.W.of E.R/W fence; about 75 yds S.of farmhouse on W.side of road owned by Perry Hamilton; 4.0 ft.S.& 1.5 ft.W.of third highline pole N.of E-W.road. USC&GS State Marker. Chimney of Addington School Bldg.in azimuth 280°08' 59". Chimney of J.C. Canterbury house in azimuth 153°01'21".

X-2,005,500.43

Y-332,953.01

El. 931.293 ft.

USGS BM: Jefferson Co.,About 1 mi.W.of Addington at NW cor.sec.6,T3N R7W; about 30 ft.W.of second highline pole S.of creek; about 16" N.of W.guy wire stake; on N/S line;about 345 ft.S.of present creek channel.

El. 908.724 ft.

27-A-5 TT 1934; Jefferson Co.,2 mi.W.of Addington; 0.4 mi.E.of SW sec.cor.sec 36,T3S R5W; on N.side E-W road; 1.0 ft.S.of N.R/W fence; about 180 ft.SE of SE cor. of house owned by J.A. Franklin and rented by J.W. Anderson. USC&GS State Marker. Waurika Watertower in azimuth 01°50'21". Brick chimney Adventist Church E.Bldg.in azimuth 133°31'48". Brick chimney J.C. Canterbury house in azimuth 11°38'04".

X-2,001,565.66

Y-331,936.45

El. 962.648 ft.

27-A-6 TT 1934; Jefferson Co. about 2.3 mi. W. of Addington; 0.25 mi.W.of SE cor.sec.35,T3S.R5W; on N.side of road under R/W fence; about 90 ft.SE of 1 story frame farmhouse owned by John C. Delaney;USC&G State Marker. Waurika Water Tower smaller of 2 in azimuth 356°56'59"; brick chimney on frame house owned by W. D. Brandon, in azimuth 96°58'28".

X-1,999,000.04

Y-332,070.49

El. 989.268 ft.

27-A-7 TT 1934; Jefferson Co.about 3.4 mi.W.of Addington; ½ mi.W.of SE cor. sec.34,T3S R5W;under N R/W fence;about 200 ft.SE of 1 story farmhouse owned by Mrs.R.McKinney and rented by C.D.Bryan; USC&GS State Marker. Brick chimney E.bldg. Adventist Church in azimuth 194°29'31";brick chimney frame house about 1 mi.in azimuth 107°28'16".

X-1,993,372.38

Y-332,104.90

El. 972.431 ft.

27-A-8 TT 1934; Jefferson Co.about 4.3 mi.W.of Addington;0.3 mi.W.of NE cor. sec.4 T4S R5W;on S.side of road;about 15 ft.E.2 ft.N. of NW cor.Mrs.Mary Brandon's front yard;USC&GS State Marker. Hastings Water Tower in azimuth 76°10'56";brick chimney on frame house owned by W. D. Brandon in azimuth 225°50'16".

X-1,988,842.68

Y-332,079.70

El. 953.992 ft.

27-A-9 TT 1934; Jefferson Co.about 5.7 mi.W.of Addington;0.5 mi.W.of NE cor. sec. 5 T4S R5W; on S.side of road; due S.of 1 story farmhouse owned by Bert Kinder. USC&GS State Marker. Hastings Water Tower in azimuth 69°56'26";2 story unpainted house in azimuth 36°25'46".

X-1,981,972.87

Y-332,156.22

El. 937.850 ft.

27-A-10 TT 1934; Jefferson Co.about 6½ mi.W.of Addington;0.25 mi.W.of SE cor. sec.36 T3S R9W;on N.side of road;approx.160 ft.W.122 ft.S.of SW cor.of 1½ story white house owned by Mrs.Della Porter. USC&GS State Marker. Hastings Water Tower in azimuth 46°15'47";C/L chimney J.W.Jarret house in azimuth 315°11'57"; C/L brick chimney on W.end Ferguson Schoolhouse about 2 mi.in azimuth 185°30'12".

X-1,972,971.17

Y-332,316.51

El. 1013.933 ft.

27-A-11 TT 1934; Jefferson Co.about 1 mi.N.¼ mi.E.of Hastings;250 ft.S.of NW cor sec.1, T4S R9W;just outside the fence line on the E.side of County Road.USC&GS State Marker. Waurika Water Tower (Center Tower) in azimuth 313°17'11";Hastings Water Tower in azimuth 14°45'56";C/L brick chimney S.side unpainted 2 story house in azimuth 178°29'38".

X-1,968,569.28

Y-332,135.58

El. 1028.535 ft.

27-A-12 TT 1934;Jefferson Co.at NW cor.end of lane which is continuation of N-S ST.of Hastings,said being E.boundary of Hastings Public School yard;directly opposite green frame house; 575 ft.N.of Hastings water tower plot;982 ft.N.117.2 ft.E.of Grade School Bldg.611.5 ft.N.of E-W power line.USC&GS State Marker. Highest of 2 N.Water Towers,Waurika in azimuth 307°36'22";C/L chimney peaked white house about 1 mi.in azimuth 176°12'22".

X-1,967,402.10

Y-327,545.08

El. 1027.112 ft.

BM 27-A-12-C; Jefferson Co.cross on center of W.end S.headwall of 4' x 8' concrete culvert;approx.3/4 mi.W.of Hastings on Ok.Hwy.#32.

El. 1007.2 ft.

27-A-13 TT 1934;Jefferson Co.1 3/4 mi.W.of NW cor.Hastings;35.4 ft.S.529 ft. E. of NW cor.sec. 10 T4S R9W;96 ft.E.of C/L CRI&P RR;35.4 ft.S.of C/L Ok.Hwy.#32; 529 ft.E.of Jefferson & Cotton Co.Line;322.1 ft.S.23.4 ft.W.of SW cor.1 story frame dwelling on J.W.Johnson farm;USC&GS State Marker. Temple aluminum water tank in azimuth 116°44'39";C/L chimney Pleasant Ridge School House in azimuth 90°31'51"; Hastings Water Tower in azimuth 271°09'56".

X-1,958,521.89

Y-326,921.34

El. 1030.202 ft.

27-A-14 TT 1934; Cotton Co.2 3/4 mi.W.of NW city limits of Hastings;296 ft.E. of SW SW sec.4 T4S R9W;34.8 ft.N.of C/L Ok.Hwy.#5;16 ft.S.of N R/W fence;USC&GS State Marker. Hastings Water Tower in azimuth 270°57'07";C/L chimney Pleasant Ridge Schoolhouse in azimuth 90°25'47";Temple Water Tower in azimuth 121°28'12".

X-1,952,991.64

Y-326,980.76

El. 980.149 ft.

27-A-15 TT 1934; Cotton Co.about 3¼ mi.W.of Hastings;994 ft.E.of NW cor.sec.8 T4S R9W;on S.side of Hwy.just outside fence line; directly opposite the Pleasant Ridge Schoolhouse.USC&GS State Mzrker. C/L chimney large T shaped white farmhouse about 2.6 mi.in azimuth 07°12'28";Hastings Water Tower in azimuth 270°44'11";C/L

- center chimney unpainted T shaped house about 3.5 mi. in azimuth 104°58'11.
 X-1, 948, 482.85 Y-326, 984.37 El. 959.053 ft.
- 27-A-16 TT 1934; Cotton Co. about 4½ mi. W. of Hastings; about 0.4 mi. E. of SW cor. sec. 6 T4S. R9W; on N. side of OK. Hwy. #32; just outside fence line; USC&GS State Marker. C/L Hastings Water Tower in azimuth 270°37'45"; C/L chimney Pleasant Valley School House about 1.9 mi. in azimuth 89°07'45"; C/L Temple Water Tower in azimuth 132°47'50".
 X-1, 944, 434.36 Y-326, 993.34 El. 956.459 ft.
- 27-A-17 TT 1934; Cotton Co. 2.75 mi. S. 0.9 mi. E. of Temple; on S. side Ok. Hwy. #32; 59 ft. E. 29 ft. N. of NE cor. Pleasant Valley School and about 25 ft. W. of E. fence line of school yard; USC&GS State Marker. Hastings Water Tower in azimuth 270°18'27"; Temple Water Tower #3 in azimuth 155°43'07"; C/L chimney on E. end of Temple High School in azimuth 155°03'17".
 X-1, 934, 772.11 Y-326, 917.03 El. 958.396 ft.
- EM 27-A-17-A; Cotton Co. Monel metal rivet set in W. end of S. headwall of concrete culvert; approx. 6¼ mi. from Hastings School House; on OK. Hwy. #32; approx. ½ mi. W. of Pleasant Valley School House.
 El. 952.475 ft.
- 27-A-18 TT 1934; Cotton Co. 1½ mi. S. of S. city limits of Temple; in NE NE NE sec. 3 T4S. R10W; 47 ft. W. of C/L OK Hwy. #5; 7 ft. E. of R/W fence; 622 ft. S. of C/L E-W sec. line road; 36 ft. N. 61 ft. E. of 1 story frame dwelling owned by Ed Hutchings. (Kilgore Tex.), W. T. Gillispie, tenant. USC&GS State Marker. C/L chimney Pleasant Valley School in azimuth 326°53'55"; Temple Water Tower #2 in azimuth 160°24'40"; Hastings Water Tower #4 in azimuth 277°49'00".
 X-1, 931, 622.26 Y-331, 620.91 El. 986.264 ft.
- EM 27-A-18-B; Cotton Co. Monel metal rivet in S. end of W. headwall of concrete culvert; approx. 1 mi. S. ½ mi. E. of Temple High School; on OK. Hwy. #32.
 El. 968.459 ft.
- 27-A-19 TT 1934; Temple, Cotton Co., 19.8 ft. N. 4.0 ft. W. of NE cor. Temple Grade School; 113 ft. from SE cor. Temple High School; in school yard; 70.5 ft. from fire hydrant directly E. of H.S. Bldg. 195.5 ft. from fire hydrant S. of H.S. Bldg. Monument is set about 3" below surface of ground and protected by water meter sheet iron box with cast iron cover; Sta. is S. Sta. of Temple Meridian Pair; 27-A-20 being N. Sta. USC&GS State Marker. W. Gable Temple Colored School in azimuth 240°06'48"; Hastings Water Tower in azimuth 288°40'33".
 X-1, 928, 872.19 Y-339, 681.61 El. 1002.688 ft.
- 27-A-19 A; Cotton Co., Monel metal rivet set in E. abutment of N. steps, N. side new Temple High School Bldg.
 El. 1001.377 ft.
- 27-A-20 TT 1934; Temple, Cotton Co., 31.5 ft. E. of C/L of Commercial St. at N. end of St; SW SW SE sec. 22, T3S, R10W; 1173.2 ft. N. of C/L E-W sec. line road; 73 ft. N. of fire plug on E. side of Commercial St. 51.6 ft. W. 81 ft. S. of SW cor. J.M. Noblitt residence. USC&GS State Marker, cast iron water meter protection. Temple Water Tower in azimuth 34°56'34" Base of flagstaff on cupola First State Bank, Temple, in azimuth 1°57'14"; Hastings Water Tower in azimuth 294°13'49".
 X-1, 928, 882.31 Y-343, 986.81 El. 1032.511 ft.
- 27-A-21 TT 1934; Cotton Co. at NW edge of Temple; in NE SE SE sec. 21 T3S, R10W; 51.5 ft. N. of C/L CRI&P tracks at intersection with N-S sec. line road; 31 ft. W. of C/L N-S road; 1102.8 ft. N. of C/L of E/W road. USC&GS State Marker. C/L Temple Water #1 in azimuth 316°54'36"; C/L S. chimney on white house about 1½ mi. in azimuth 88°49'41".
 X-1, 926, 383.83 Y-343, 907.70 El. 1010.443 ft.
- 27-A-21-A; Cotton Co; approx. 1 mi. W. from main St. Temple; Monel metal rivet set in S. end of W. leg of L. shaped concrete culvert headwall at intersection of OK. Hwy. #32 and sec. line road; rivet is 100 paces SW of SW cor. sheet iron pump sta. Sinclair-Prairie Oil Co. tank farm Rivet is on N. side of Hwy. #32 and S. side of sec. line road.
 El. 997.649 ft.
- 27-A-22 TT 1934; Cotton Co. 1½ mi. W. of Temple; 270 ft. E. of SW cor. sec. 21 T3S, R10W; 3 ft. outside N. R/W fence line OK Hwy. #32; 0.5 ft. S. of telephone pole line. USC&GS State Marker. C/L Temple Water Tower #1 in azimuth 273°51'10" C/L chimney yellow farmhouse about 3 mi. in azimuth 81°42'56"; C/L Walters Water Tower in azimuth 152°08'09".
 X-1, 921, 421.50 Y-342, 877.89 El. 985.862 ft.
- EM 27-A-22-A; Cotton Co. approx. 2.1 mi. W. of Main St. Temple; Monel metal rivet in W. end of S. headwall of concrete culvert; on OK. Hwy. #32.
 El. 974.998 ft.
- 27-A-23 TT 1934; Cotton Co. 2 1/3 mi. W. of Temple; about 750 ft. E. of NW cor. sec. 29 T3S, R10W; on S. side OK. Hwy. #32 5 ft. N. of S. R/W fence line; 3 ft. N. of power transmission pole line. USC&GS State Marker. C/L Temple Water Tower #1 in azimuth 272°00'17"; C/L chimney yellow house about 3½ mi. in azimuth 79°34'52".
 X-1, 916, 578.07 Y-342, 803.49 El. 971.143 ft.
- EM 27-A-23-A; Cotton Co. approx. 2 3/4 mi. W. of Main St. Temple; Monel metal rivet set in S. end of W. headwall of 225 ft. concrete bridge; on Ok. Hwy. #32.
 El. 936.846 ft.
- 27-A-24 TT 1934; Cotton Co. 4½ mi. W. of Temple; about 2000 ft. E. of SW cor. sec. 24, T3S, R11W; on Ok. Hwy. #32 about 400 ft. E. of PC of curve to N; about 4 ft. S. of N. R/W fence line; 1 ft. S. of telephone line; about 105 ft. E. of private road leading to gravel

directly on telephone pole line and about equidistant from the two corner poles. USC&GS State Marker. C/L chimney white house about 1 mi. in azimuth $93^{\circ}15'54''$; C/L chimney yellow house about 2.9 mi. in azimuth $214^{\circ}14'00''$; Chattanooga Water Tower in azimuth $343^{\circ}28'44''$.

- X-1,800,400.22 Y-401,432.26 El. 1146.622 ft.
 27-B-11 TT 1934; Comanche Co. about $2\frac{1}{2}$ mi. N. of Chattanooga; $\frac{1}{4}$ mi. N. of SW cor. sec. 22 T1S. R14W; 1 ft. W. of E. R/W fence line; on E side Tillman-Comanche Co. line. USC&GS State Marker. C/L chimney white house about 2.6 mi. in azimuth $115^{\circ}41'35''$; C/L chimney of yellow house about 1.25 mi. in azimuth $265^{\circ}59'15''$; Chattanooga Water Tower in azimuth $353^{\circ}06'07''$.
- X-1,800,525.35 Y-407,947.48 El. 1164.308 ft.
 27-B-12 TT 1934; Tillman Co., $\frac{3}{4}$ mi. N. of Chattanooga; $\frac{1}{4}$ mi. N. of SE cor. sec. 16 T1S. R14W; on W. side Tillman-Comanche Co. line; 1 ft. E. of W R/W fence; about 1000 ft. NE of red barn by white house and windmill; USC&GS State Marker. Belfry of Hiawatha School about 3.5 mi. in azimuth $131^{\circ}36'50''$; C/L chimney on W. end white schoolhouse about 1.75 mi. in azimuth $218^{\circ}19'01''$; Chattanooga water tower in azimuth $355^{\circ}10'24''$.
- X-1,800,503.36 Y-413,282.08 El. 1179.476 ft.
 27-B-13 TT 1934; Comanche Co. 5 mi. N. of Chattanooga; 75 ft. E. of SW cor. sec. 3, T1S. R14W; on N. side of E-W sec. line road; $1\frac{1}{2}$ ft. S. of N R/W fence line; USC&GS State Marker. Belfry Hiawatha School about 2 mi. in azimuth $89^{\circ}38'36''$; chimney Sunnyside School about 1.25 mi. in azimuth $299^{\circ}02'52''$; Chattanooga water tower in azimuth $357^{\circ}16'57''$.
- X-1,800,690.27 Y-422,618.76 El. 1174.715 ft.
 27-B-14 TT 1934; Comanche Co. about 6.0 mi. N. & 1.6 mi. E. of Chattanooga; 1150 ft. W. of SE cor. sec. 35; T1N. R14W; $3\frac{1}{2}$ ft. N. of N R/W fence line; 10 ft. W. & $2\frac{1}{2}$ ft. N. of telephone pole; USC&GS State Marker; Belfry Hiawatha school about 3.5 mi. in azimuth $73^{\circ}41'51''$; C/L chimney T. shaped white house about $4\frac{1}{2}$ mi. in azimuth $282^{\circ}01'26''$; Faxon Water Tower in azimuth $317^{\circ}01'27''$; C/L S. chimney large grey house about $\frac{1}{4}$ mi. in azimuth $264^{\circ}24'52''$.
- X-1,808,328.09 Y-427,894.83 El. 1170.188 ft.
 27-B-15 TT 1934; Comanche Co. $7\frac{3}{4}$ mi. S. of Cache; 0.3 mi. N. of SE cor. sec. 35, T1N. R15W; about 28 ft. W. of C/L of road; 1 ft. E. of W. R/W fence line; 21 ft. N. of large blazed post oak tree; 16 ft. E. of another blazed post oak tree; USC&GS State Marker; C/L chimney small white house about 1.3 mi. in azimuth $67^{\circ}50'19''$; W. gable grey house about 850 ft. in azimuth $187^{\circ}58'55''$; C/L S. chimney large grey house about 2.7 mi. in azimuth $338^{\circ}36'51''$.
- X-1,809,419.33 Y-429,934.84 El. 1156.433 ft.
 27-B-16 TT 1934; Comanche Co., $6\frac{1}{2}$ mi. S. of Cache; 300 ft. S. of approx. W. $\frac{1}{4}$ cor. sec. 25, T1N. R14W; 27 ft. E. of C/L N-S sec. line road; 2 ft. W. of E. R/W line; about 1000 ft. N. of bridge; 1000 ft. E. of old unpainted house; USC&GS State Marker. C/L E. chimney grey house in azimuth $58^{\circ}15'45''$; C/L chimney "T" shaped white house about 3 mi. in azimuth $178^{\circ}48'46''$; C/L chimney unpainted house about 1 mi. in azimuth $94^{\circ}56'20''$.
- X-1,809,533.48 Y-435,466.17 El. 1165.283 ft.
 25-B-17 TT 1934; Comanche Co. approx. $4\frac{1}{2}$ mi. S. of Cache; 900 ft. N. of approx. E $\frac{1}{4}$ cor. sec. 14 T1N. R14W; 30 ft. W. of C/L N-S sec. line road; $2\frac{1}{2}$ ft. E. of W. R/W fence line; 200 ft. SE of SE cor. of 2 room unpainted house; USC&GS State Marker. Chimney on "T" shaped white house about 1 mi. in azimuth $175^{\circ}54'26''$; C/L W. chimney white house about $1\frac{1}{2}$ mi. in azimuth $279^{\circ}13'01''$; C/L chimney unpainted house about 0.8 mi. in azimuth $326^{\circ}35'16''$.
- X-1,809,543.86 Y-447,300.71 El. 1161.748 ft.
 27-B-18 TT 1934; Comanche Co., 3 mi. S. of Cache; 215 ft. S. of NE cor. sec. 11 T1N. R14W; about 24 ft. W. of C/L N-S sec. line road; $2\frac{1}{2}$ ft. E. of W R/W fence line; $1\frac{1}{2}$ ft. E. of telephone pole line. USC&GS State Marker. C/L chimney "T" shaped white house about $\frac{1}{3}$ mi. in azimuth $12^{\circ}25'08''$; C/L chimney of yellow house about 1.2 mi. in azimuth $199^{\circ}00'28''$; C/L chimney yellow house, red roof about $\frac{1}{2}$ mi. in azimuth $257^{\circ}02'43''$.
- X-1,809,592.95 Y-454,020.41 El. 1225.218 ft.
 27-B-19 TT 1934; Comanche Co. 2.1 mi. S. of SW cor. Cache; 180 ft. S. of NW cor. 36, T2N. R14W; 24 ft. E. of C/L, N-S road; 3 ft. W. of E. R/W fence line; 2 ft. W. of power pole line; 40 ft. S. of first pole S. of sec. cor. USC&GS State Marker. C/L chimney "T" shaped white house about 1.3 mi. in azimuth $03^{\circ}59'04''$; Cache Water Tower in azimuth $184^{\circ}27'04''$; C/L chimney yellow house about $\frac{1}{2}$ mi. in azimuth $268^{\circ}31'03''$.
- X-1,809,686.44 Y-459,338.46 El. 1278.902 ft.
 27-B-20 TT 1934; Comanche Co. at S. edge of Cache; approx. 1000 ft. E. of NW cor. sec. 25 T2N. R14W; 34 ft. S. C/L of US Hwy. #62; 6 ft. N. of S R/W fence line; 5 ft. N. of telephone pole line; 135 ft. W. of C/L N-S street running into US #62, 51 ft. W. of first telephone W. of this St. 110 ft. S, 55 ft. W. of SW cor. Barger (Texaco) Filling Sta; 115 ft. E, 34 ft. N. of unpainted frame house; USC&GS State Marker. Center keystone of Cache High School about 2 blocks in azimuth $256^{\circ}48'11''$; C/L chimney yellow house about 2 mi. in azimuth $356^{\circ}04'22''$.
- X-1,810,707.46 Y-470,059.42 El. 1260.942 ft.

27-B-21 TT 1934; same as 28-C-27; See Traverse 28-C.

Traverse 28-A, - Stephens County.
Duncan Tri., Sta. to Marlow Azi. Station
South Projection.

Duncan Tri.Sta. See Traverse 25-A.

28-A-1 TT 1934; Stephens Co. 1 mi. S. 4.4 mi. W. of cor. Bois d Arc St. and US Hwy. #81 at SW cor. of Duncan; about 0.4 mi. W. of SE cor. sec. 9 T1S R8W; 2 ft. S. of N. R/W fence line; on N. side sec. line trail; Duncan Tri. Sta. is 1809.5 ft. SW; USC&GS State Marker. Center top of dome on Baptist Church on N. side Duncan house about 6 mi. in azimuth 248°43'53"; Center brick chimney in center of 1 story white house about 1 mi. in azimuth 313°15'28".

X- 1,967,473.23 Y- 416,701.61 El. 1221.930 ft.

28-A-2 TT 1934; Stephens Co. 1 mi. S. 3.25 mi. W. of SW cor. Duncan; 0.25 mi. W. of SE cor. sec. 10 T1S R8W; on N. side of sec. line trail; about 2 ft. S. of N. R/W fence line. USC&GS State Marker. C/L brick chimney, W. house of two white houses about 1 mi. in azimuth 185°22'32"; C/L dome on First Baptist Church, N. side of Duncan, about 4½ mi. in azimuth 242°48'28".

X- 1,993,617.66 Y- 416,698.33 El. 1200.788 ft.

28-A-3 TT 1934; Stephens Co. 2.5 mi. W. of SW cor. Duncan; about 0.5 mi. W. of cor. sec. 2, T1S R8W; on N. side County Road; about 40 ft. W. of N-S fence line; in yard of brown farmhouse about 50 ft. SE of house; USC&GS State Marker; C/L brick chimney S. end of yellow house about 1 mi. in azimuth 196°12'47"; C/L top of dome First Baptist Church in N. side of Duncan about 3 mi. in azimuth 253°28'02"; C/L flag pole on top water tower in Magnolia Camp in S. side of Duncan about 2.5 mi. in azimuth 275°25'57".

X- 1,997,511.90 Y- 422,005.21 El. 1132.104 ft.

BM 28-A-3-A; Stephens Co. approx. 2 mi. W. of Duncan; square cut on N. side concrete base of steel high-line pole, 7th pole N. of 90° angle of high line up 98th meridian line between sec. 1 & 2 T1S R8W.

El. 1119.51 ft.

BM 28-A-3-B; Stephens Co. approx. 2 mi. W. of Duncan; square cut on S. side of concrete base of 8th steel pole of high line N. of 90° angle up 98th meridian; line between sec. 1 & 2 T1S R8W.

El. 1120.092 ft.

28-A-4 TT 1934; Stephens Co. 2 mi. W. 0.2 mi. N. of Duncan; about 0.2 mi. N. of SE cor. 2 T1S R8W; 2 ft. W. of E. R/W fence line just beneath an electric high tension line; Lawton-Duncan (33 000) volts. This sta. is north monument of Meridian Pair. USC&GS State Marker. C/L brick chimney on S. end yellow bungalow approx. ¾ mi. in azimuth 162°27'46"; C/L roof peak on 30,000 bbl. steel water supply tank N. of Duncan in azimuth 234°07'39"; bottom of flagpole on top of Magnolia Shop and Camp water tower in SE part of Duncan in azimuth 280°28'59"; C/L dome Baptist Church in Duncan about 3 mi. in azimuth 254°03'26".

X- 2,000,204.76 Y- 422,940.99 El. 1119.908 ft.

28-A-4-A; Monel rivet in top of 2" pipe set in concrete 3 ft. in ground in farm home yard; 140 ft. S. of SE cor. of house; in SW sec. 1 T1S R8W.

El. 1121.71 ft.

28-A-5 TT 1934; Stephens Co. 0.5 mi. W. 0.55 mi. N. of SW cor. Duncan; 30 ft. S. of base line and 660 ft. W. of NE cor. sec. 2 T1S R7W; USC&GS State Marker. C/L top city water tank N. of Duncan about 1.5 mi. in azimuth 217°53'51"; C/L top of dome on First Baptist Church N. side Duncan about 1 mi. in azimuth 259°33'04"; C/L flag pole top of courthouse, Duncan in azimuth 274°55'14".

X- 2,008,001.09 Y- 423,649.95 El. 1116.775 ft.

28-A-6 TT 1934; Duncan, Stephens Co., 150 ft. N. 25 ft. E. of SW cor. Fuqua Park. USC&GS State Marker. C/L chimney W. gable Country Clubhouse in azimuth 205°43'43"; SW cor. Irving Grade School between 12 and 13th Sts. Duncan in azimuth 341°15'43"; C/L E. chimney on white house about 2500 ft. in azimuth 31°39'13".

X- 2,009,411.05 Y- 426,604.96 1117.429 ft.

USGS BM 1127-Duncan; 1/3 mi. N. of Duncan; on base line at ¼ sec. cor. between sections 32 and 5, T1S R7W; 1000 ft. W. of RR tracks; iron post 8" out of ground stamped "1127, Elev. 1127.668'." Note: 1934; "Found this B.M. in good shape on W. side Knox Garvin Garage 16" of Bldg."

El. 1127.668 ft.

28-A-7 TT 1934; Stephens Co. 0.5 mi. due N. from Fuqua Park, Duncan; 200 ft. W. of US Hwy. #81; approx. 12 ft. S. of ½ sec. fence; USC&GS State Marker. SE cor. brick chimney in center of one story white frame house about 800 ft. in azimuth 101°07'20"; SE edge (right) of 33000 bbl. water tank approx. 1 mi. in azimuth 233°25'31"; C/L city concrete water storage tank about 400 ft. SE of Hwy. 81 in azimuth 326°46'46".

X- 2,009,777.98 Y- 429,752.62 El. 1112.262 ft.

EM 28-A-7-A; approx. 1 mi. N. of Duncan; Nickel steel rivet set 1 ft. from S. end of W. headwall of 3x4x10' concrete culvert under Hwy. #81.

El. 1114.81 ft.

INTERMEDIATE 28-A-7-A; Stephens Co., on W. side of N. 10th St. about 25 ft. W. of C/L; a monel metal rivet set in 2" iron pipe filled with concrete at top and bottom; 500 ft. SW of Duncan's 30,000 bbl. steel water tank.

X- 2,012,684.22 Y- 431,945.62 El. 1142.46 ft.

28-A-8 TT 1934; Stephens Co. about 1.75 mi. N. of Fuqua Park, Duncan; 0.25 mi. S. of NE cor. sec. 30, T1N R7W; 22 ft. W. of W. edge of US Hwy. #81; at top of grassed terraced lawn in front and E. of Tom Prichard's home. USC&GS State Marker. C/L NW chimney Stephens Co. Courthouse, Duncan in azimuth 349°38'04"; SW cor. W. chimney 3 room white

- house facing S. about 2/3 mi. in azimuth $250^{\circ}28'07''$; NE cor. W. chimney on Country club-house in azimuth $310^{\circ}27'04''$.
X- 2,010,038.08 **Y- 436,478.18** **El. 1203.482 ft.**
- BM 28-A-8-A; Monel rivet set 1 ft. from S. end of W. headwall of 2'x4' concrete box culvert of US Hwy. #81; 2 mi. N. of Duncan. **El. 1204.16 ft.**
- 28-A-9-TT 1934; Stephens Co., about 2.8 mi. N. of Fuqua Park, Duncan; about 0.2 mi. S. of NW cor. sec. 20 T1N R7W; 22 ft. E. of E. edge of US Hwy. #81; about 1.0 ft. W. of E. R/W fence; in front of Mrs. Irie Dupy home. USC&GS State Marker. C/L chimney in center of one-room white bldg. about 1 mi. W. of Gatlin School in azimuth $156^{\circ}15'06''$; C/L chimney on house about 0.2 mi. in azimuth $178^{\circ}45'22''$.
X- 2,010,090.72 **Y- 441,913.11** **El. 1242.491 ft.**
- 28-A-9-A; Monel metal rivet set 1 ft. from S. end of W. headwall 8'x8' concrete box culvert on US Hwy. #81; 6 ft. earth fill over top. **El. 1196.97 ft.**
- 28-A-10 TT 1934; Stephens Co. about 3.7 mi. N. of Fuqua Park Duncan; about 0.3 mi. S. of NE cor. sec. 18 T1N R7W; 25 ft. W. of W. edge US Hwy. #81; in W. R/W fence line. USC&GS State Marker. Chimney in center white bldg. about 1.5 mi. W. of Gatlin School in azimuth $125^{\circ}20'55''$; C/L chimney on R. L. Moore house about 0.2 mi. in azimuth $176^{\circ}20'34''$.
X- 2,010,052.02 **Y- 446,602.75** **El. 1265.236 ft.**
- 28-A-10-A; Monel metal rivet set 1 ft. from S. end W. headwall concrete 3'x3' box culvert for US Hwy. #81; 200 ft. S. of NE cor. sec. 18 T1N R7W. **El. 1253.12 ft.**
- 28-A-11 TT 1934; Stephens Co. about 4.15 mi. N. of Fuqua Park Duncan; 0.1 mi. N. of SW cor. sec. 7 T1N R7W; 26 ft. E. of E. edge of US Hwy. #81; 1.0 ft. W. of E. R/W fence line; USC&GS State Marker. C/L chimney on R. L. Moore house about 0.2 mi. in azimuth $6^{\circ}35'39''$.
X- 2,010,091.44 **Y- 448,709.84** **El. 1264.623 ft.**
- 28-A-11-A; Monel metal rivet set 1 ft. from S. end of W. headwall of 5'x9' double box concrete culvert, US Hwy. #81; 1/2 mi. S. of Gatlin School; approx. 6 mi. N. of Duncan. **El. 1207.04 ft.**
- 28-A-12 TT 1934; Stephens Co. 6.0 mi. N. of Fuqua Park, Duncan; 250 ft. S. of NE cor. sec. 6 T1N R7W; 300 ft. SE of large granite monument in small park; 71.5 ft. N. of apex in acute angle formed by S. leg of "Y" at Marlow Junction, 25 ft. E. of C/L OK Hwy. #29; 19.0 ft. W. of C/L US Hwy. #81; USC&GS State Marker. C/L chimney in center white house 1.5 mi. W. of Gatlin School in azimuth $53^{\circ}41'38''$; Air vent top Marlow Grade School in azimuth $185^{\circ}13'28''$; W. peak of roof on tower Methodist Church Marlow in azimuth $185^{\circ}39'09''$; C/L chimney house of John Guest about 3/4 mi. in azimuth $187^{\circ}06'01''$.
X- 2,010,008.22 **Y- 458,587.00** **El. 1295.070 ft.**
- 28-A-12-A; Monel metal rivet at SE cor. of foundation red granite monument at center of "Y", 6 mi. N. of Duncan where OK Hwy. #29 intersects US Hwy. #81. **El. 1295.04 ft.**
- 28-A-12-B; Stephens Co. Monel metal rivet in S. end W. headwall of concrete culvert; 4.5 ft. below pavement on US Hwy. #81; 0.7 mi. N. of "Y" where OK Hwy. #29 intersects US Hwy. #81. **El. 1229.63 ft.**
- 28-A-13-TT 1934; Stephens Co., 1.25 mi. N. from "Y" at intersection of OK Hwy. #29 with US Hwy. #81; in SW NW SW sec. 29 T2N R7W; 93.4 ft. N. from 1/2 fence cor; 26.3 ft. E. of E. edge of pvt. US Hwy. #81; 150 ft. SE from white house on W. side of hwy. owned by W. M. Hire. USC&GS State Marker. SW air vent top of grade school, Marlow, in azimuth $187^{\circ}51'42''$; C/L chimney on S. part of John Quest 1 story house about 3/4 mi. in azimuth $192^{\circ}58'56''$; C/L chimney on Mr. Hire's white house about 50 ft. in azimuth $134^{\circ}11'27''$ NW cor. white house 3/4 mi. in azimuth $356^{\circ}32'53''$.
X- 2,010,061.10 **Y- 465,586.14** **El. 1275.529 ft.**
- 28-A-13-"; Stephens Co. Monel metal rivet in S. end W. headwall concrete bridge; 4 ft. below pavement on US Hwy. #81; 1.7 mi. N. of "Y" in sec. 30 T2N R7W. OK Hwy. #29 at US #81. **El. 1221.74 ft.**
- 28-A-14 TT 1934; Stephens Co. 1 mi. S. from SW cor. city limits, Marlow; SE cor. sec. 19 T2N R7W; about 35 ft. W. of C/L US Hwy. #81; inside fence at SE cor. Marlow Golf Course; 30 ft. N. of E-W fence and 2.8 ft. W. of N. R/W fence. USC&GS State Marker. C/L chimney on house about 2.0 mi. in azimuth $118^{\circ}59'58''$; C/L chimney Mr. Hire's white house about 150 ft. N. of 28-A-13 in azimuth $0^{\circ}46'41''$; C/L chimney S. part of John Quest's 1 story house in azimuth $217^{\circ}07'8''$; C/L chimney 1 story house about 3/4 mi. NW of 28-A-13 in azimuth $141^{\circ}14'51''$.
X- 2,009,985.82 **Y- 470,855.03** **El. 1268.395 ft.**
- 28-A-14-A; Monel metal rivet in S. end W. headwall on conc. culvert 2.5 mi. N. of "Y"; sec. 19 T2N R7W; 8.5 mi. N. of Duncan 0.5 mi. S. of Marlow. **El. 1250.04 ft.**
- 28-A-15 TT 1934; S. Mer. Pair; Stephens Co. at junction of S. 9th and Choctaw Sts. in SW cor. of Marlow; 56 ft. S. $32^{\circ}45'$ W. (true bearing) from C/L fence cor. post; in NE cor. road junction from which post fences run to N. end SE 20 ft. then E. 29.5 ft. W. from E R/W fence on E. side of 9th St. and 38.5 ft. S. of R/W fence line on N. side of Choctaw St; 20.3 ft. S. from C/L roadbed of Choctaw St. and 13.9 ft. W. from C/L of roadbed of S. 9th St. USC&GS State Marker. C/L chimney on house approx. 2 mi. in azimuth $78^{\circ}21'55''$; C/L chimney on Boyd Lowe house in azimuth $177^{\circ}41'44''$; SW air vent on top of Grade School Marlow in azimuth $216^{\circ}51'34''$.
X- 2,010,014.28 **Y- 475,664.84** **El. 1308.587 ft.**

28-A-15-A; Monel metal rivet in S. end W. headwall on S. concrete culvert at W. end Main St. Marlow. El. 1294.85 ft.

Marlow Longitude Sta.; At Marlow Stephens Co. on NE cor. of public school lot at SW cor. of 5th and Main St. in sec. 17 T2N. R7W; concrete pier point marked by USC&GS brass plate. Peak of roof on tower of Methodist Church in azimuth 205°43'11"; SW cor. chimney on Marlow Junior High School in azimuth 309°09'26"; SE cor. E. wing Marlow High School in azimuth 58°29'27".

X-2,011,856.75 Y-478,208.88 El. 1312.458 ft.

Marlow Meridian Pair, South: Stephens Co. on the 98th Meridian; 2.3 mi. W. 0.7 mi. S. of Stephens Co. Courthouse, Duncan; 1089 ft. S. of C/L of road running W. from correction off-set at NW cor. sec. 1 T1S. R8W 5 ft. E. of fence line on E. side of road. USC&GS State Marker.

El. 1118.738 ft.

28-A-16 TT 1934; N. Meridian Pair; Stephens Co. 41.5 ft. E. from SE cor. of house on G.W. Carter land, on 9th St. at W. end of Main St. in Marlow; set 6" below ground surface; 13.5 ft. W. 1.0 ft. N. from NW cor. of W. side of concrete culvert across 9th St. on S. side of W. end Main St. C/L chimney on house of Boyd Lowe about 300 ft. in azimuth 04°10'22"; C/L chimney on house about 2 mi. in azimuth 58°25'59".

X-2,010,012.80 Y-478,258.12 El. 1291.302 ft.

Marlow Azimuth Sta. in SE cor. Marlow Grade School Ward; 331.6 ft. directly S. of 18"x18"x24" concrete Marlow Longitude Sta. 4.8 ft. N. from chiseled "X" on inside of E-W concrete retaining wall and 11.25 ft. W. from chiseled "X" on inside N-S retaining wall; 33.05 ft. NW from center of fire plug at NW cor. of road junction at SE cor. of school yard.

El. 1312.463 ft

Traverse 28-C; Stephens, Comanche & Kiowa Counties.

28-A-12 TT 1934 to Snyder Tri. Sta.

South Projection

See 28-A-12 TT 1934 Junction Station.

28-C-1 TT 1934; Stephens Co., ½ mi. W. of Marlow Junction & 23½ mi. E. of SE cor. of Lawton; ½ mi. W. of SE cor. sec. 31, T2N R7W; 40.7 ft. N. of C/L Ok. Hwy. #29 & S. of N. ½ sec. fence. USC&GS State Marker. C/L lone chimney top of bungalow ½ mi. in azimuth 33°32'49"; C/L bell belfry S. end I shaped white school house 3 mi. in azimuth 128°26'53"; C/L chimney 2 story white house ½ mi. in azimuth 260°52'28".

X-2,007,380.45 Y-458,981.80 El. 1290.420 ft.

28-C-2 TT 1934; Stephens Co., 2.2 mi. W. of Marlow Junction, 21.8 mi. E. of Lawton; 1064 ft. W. & 25.2 ft. S. of NE cor. sec. 2, T1N. R8W; S. side Ok. Hwy. #29 USC&GS State Marker. C/L chimney house with 2 chimneys 3 mi. in azimuth 73°57'51"; C/L chimney S. roof slope ½ story frame house S. of road 1 mi. in azimuth 107°32'16".

X-1,998,398.59 Y-458,859.59 El. 1226.828 ft.

28-C-3 TT 1934; Stephens Co., 4.05 mi. W. of Marlow Junction & 19.95 mi. E. of SE cor. Lawton; 3765 ft. SE of sec. cor. sec. 33, T2N R8W; 6.6 ft. N. of N. edge of Pvt. Ok. Hwy. #29, 8" below surface; B.M. cut in N. edge of pavement opposite sta. USC&GS State Marker. Peak S. porch gable splitting intersection line 500 ft. in azimuth 168°46'34"; C/L W. chimney white bungalow ¾ mi. in azimuth 357°47'39".

X-1,988,651.58 Y-458,887.82 El. 1106.566 ft.

28-C-4 TT 1934; Stephens Co., 6.05 mi. W. of Marlow Junction, 17.95 mi. E. of SE cor. Lawton; 279.6 ft. W. & 328 ft. S. of NE cor. of sec. 6 T1N R8W; via Ok. Hwy. #29; USC&GS State Marker. C/L coping top chimney ½ story unpainted farm house 2 mi. in azimuth 28°43'52"; C/L E. chimney white house 2-¾ mi. in azimuth 134°57'22"; C/L chimney ½ story white house S. of road ½ mi. in azimuth 205°23'34".

X-1,978,230.97 Y-458,788.61 El. 1155.021 ft.

28-C-5 TT 1934; Stephens Co., 7.25 mi. W. of Marlow Junction, 16.75 mi. E. of SE cor. Lawton via Ok. Hwy. #29; 1206 ft. W. & 35.2 ft. N. of SE cor. sec. 36, T2N R9W; S. of 40 acre fence. USC&GS State Marker; C/L chimney ½ story unpainted house in azimuth 305°28'13"; C/L bell tower peak E. end dirty white bldg. SW Nellie School 2 mi. in azimuth 60°55'01". C/L E. chimney white house ½ mi. in azimuth 177°18'41".

X-1,971,885.31 Y-458,838.64 El. 1165.899 ft.

28-C-6 TT 1934; Stephens Co., 7.70 mi. W. of Marlow Junction, 16.30 mi. E. of SE cor. of Lawton via Ok. Hwy. #29; 1687 ft. E. & 35.3 ft. S. of NW cor. sec. 1, T1N, R9W; 38.3 ft. S. of C/L of pavement Ok. Hwy. #29; USC&GS State Marker. C/L bell tower peak E. end dirty white bldg. ½ mi. in azimuth 53°55'21". C/L E. chimney 2 story white house ½ mi. in azimuth 196°45'16".

X-1,969,567.77 Y-458,763.95 El. 1144.403 ft.

28-C-7 TT 1934; Stephens Co., 9 mi. W. of Marlow Junction, 15 mi. E. of SE cor. of Lawton; 24 ft. E. of SW cor. sec. 35, T2N R9W; 64.8 ft. N. of C/L Ok. Hwy. #29. USC&GS State Marker. C/L bell tower E. end dirty white bldg. 1 mi. in azimuth 1°20'21"; C/L E. chimney 2 story white house 2½ mi. in azimuth 233°35'28".

X-1,962,649.48 Y-458,852.03 El. 1160.533 ft.

28-C-7-A B.M. Chiseled square 1 ft. E. of W. end S. concrete headwall of 5 ft. culvert ½ mi. W. of 28-C-7.

El. 1155.147 ft.

28-C-8 TT 1934; Stephens Co., 9.80 mi. W. of Marlow Junction, 14.2 mi. E. of SE cor. Lawton; 888 ft. E. of NW cor. sec. 3, T1N R9W; 32.7 ft. S. of C/L of Ok. Hwy. #29; 44.5 ft. E. of E. side of house. C/L chimney N. end "L" shaped white house 1.3 mi. in azimuth 33°37'

- 07". C/L chimney brown 1 story house in azimuth 128°31'37".
X- 1,958,229.41 **Y- 458,769.66** **El. 1171.919 ft.**
 28-C-9 TT 1934; Comanche Co., 10.90 mi. W. of Marlow Junction, 13.10 mi. E. of SE cor. Lawton; 400 ft. E. of SW cor. sec. 33, T2N R9W; 38.6 ft. N. of C/L Ok. Hwy. #29; on extension of W. line of house. USC&GS State Marker. C/L chimney farm house 1½ mi. in azimuth 310°35'45". C/L brick chimney "T" shaped house 1.3 mi. in azimuth 36°05'21". C/L brick chimney brown farmhouse in azimuth 105°44'05".
X- 1,952,471.34 **Y- 458,860.16** **El. 1134.224 ft.**
 28-C-10 TT 1934; Comanche Co. 11.80 mi. W. of Marlow Junction; 13.20 mi. E. of SE cor. Lawton; 1397.6 ft. E. of NW cor. sec. 5 T1N R9W; 30.6 ft. S. of C/L of pvt. Ok. Hwy. #29; 15 ft. E. of Duncan to Lawton Highline pole; USC&GS State Marker; C/L N. & center chimney "T" shaped white house 1 mi. in azimuth 353°27'09"; C/L tall chimney on white house about 2 mi. in azimuth 112°50'47"; C/L chimney top of low roofed yellow house 1 mi. in azimuth 134°38'28".
X- 1,948,159.71 **Y- 458,791.98** **El. 1089.298 ft.**
 28-C-11 TT 1934; Comanche Co., 13.5 mi. W. of Marlow Junction; 10.5 mi. E. of SE cor. Lawton; 2640 ft. E. of SW cor. sec. 36 T2N R10W; 3.8 ft. W. of N ½ sec. fence; 39 ft. N. of C/L pvt. Ok. Hwy. #29; USC&GS State Marker; C/L N. chimney "T" shaped white house about 3 mi. in azimuth 297°17'16"; C/L chimney bungalow farmhouse in azimuth 19°07'27"; C/L lone chimney top 1½ story yellow farmhouse about 2 mi. in azimuth 167°10'53".
X- 1,938,822.38 **Y- 458,723.44** **El. 1158.934 ft.**
 28-C-12 TT 1934; Comanche Co. 14.1 mi. W. of Marlow Junction; 9.9 mi. E. of SE cor. Lawton; 644 ft. W. of NE cor. sec. 2 T1N R10W; 37.5 ft. S. of C/L Ok. Hwy. #29; USC&GS State Marker; C/L chimney bungalow farmhouse about 1½ mi. in azimuth 343°45'07"; C/L lone chimney on white 1½ story farmhouse about 2 mi. in azimuth 59°40'03".
X- 1,935,540.84 **Y- 458,646.88** **El. 1169.377 ft.**
 BM 12-A; Comanche Co., a chiseled square on W. end of S. conc headwall SW cor. of road intersection on Ok. Hwy. #29; ½ mi. E. of 28-C-13. **El. 1160.45 ft.**
 28-C-13 TT 1934; Comanche Co., 16.5 mi. W. of Marlow Junction; 7.5 mi. E. of SE cor. Lawton; 2640 ft. W. of SE cor. sec. 33, T2N R10W; 36.5 ft. N. of C/L Ok. Hwy. #29; USC&GS State Marker; C/L lone chimney on 1½ story farmhouse about 3 mi. in azimuth 320°21'34"; C/L lone chimney near rear of farm bungalow about 1.7 mi. in azimuth 48°23'11"; C/L brick chimney on small unpainted 1 story house about 2 mi. in azimuth 157°31'26".
X- 1,923,043.91 **Y- 458,734.37** **El. 1193.538 ft.**
 28-C-14 TT 1934; Comanche Co., 17.85 mi. W. of Marlow Junction; 6.15 mi. E. of SE cor. Lawton; 912 ft. E. of NW cor. sec. 5 T1N R10W; 31.2 ft. S. of C/L of Ok. Hwy. #29; USC&GS State Marker. C/L coping top chimney on 2 story house about 1 mi. in azimuth 353°19'37"; C/L lone chimney on white schoolhouse about 1½ mi. in azimuth 51°27'37"; C/L highest of 2 chimneys on unpainted house about 2½ mi. in azimuth 138°23'17".
X- 1,916,049.29 **Y- 458,706.40** **El. 1230.273 ft.**
 28-C-15 TT 1934; Comanche Co., 20.0 mi. W. of Marlow Junction; 4.0 mi. E. of SE cor. Lawton; 24 ft. E. of SW cor. sec. 36, T2N R11W; 47.5 ft. N. of C/L of Ok. Hwy. #29. USC&GS State Marker. C/L highest chimney on square unpainted house in azimuth 307°53'25"; C/L peak of watertower E. of CRI&P tracks about 4 mi. in azimuth 106°38'30"; C/L chimney on W. end "T" shaped house about 2 mi. in azimuth 189°16'20".
X- 1,904,639.73 **Y- 458,870.64** **El. 1181.632 ft.**
 BM 15-A; Square cut on W. end of S. concrete headwall of culvert about 0.45 mi. W. of 28-C-15; on Ok. #29. **El. 1128.19 ft.**
 USC&GS BM-38-28-C-16 TT 1934; Comanche Co. 20.9 mi. W. of Marlow Junction; 3.05 mi. E. of SE cor. Lawton; 62 ft. E. of NW cor. sec. 2, T1N R11W; 38.4 ft. S. of C/L of Ok. Hwy. #29; USC&GS Marker stamped C-38, & 28-C-16 TT 1934; C/L chimney top of square white house about 1 mi. in azimuth 344°11'08"; C/L cupola vent on red top 2 story brick house about 3.75 mi. in azimuth 109°26'10"; Tri. Sta. in Ft. Sill splitting panel board above Sta. in azimuth 190°02'10".
X- 1,899,401.37. **Y- 458,936.20** **El. 1156.274 ft.**
 28-C-16-A; Comanche Co., 2.4 mi. E. of SE cor. Lawton; 1848 ft. E. of SW cor. sec. 34, T2N R11W; 32.4 ft. N. of C/L of Ok. Hwy. #29; 4" iron pipe set in and filled with concrete with nail point. C/L chimney on peak square roof about 1½ mi; in azimuth 324°05'13"; Tri. Sta. in Ft. Sill splitting panel board above sta. in azimuth 199°59'43"; C/L peak water tower E. of CRI&P tracks in Lawton in azimuth 116°51'56".
X- 1,896,075.12 **Y- 459,014.54** **El. 1149.343 ft.**
 28-C-17 TT 1934; Comanche Co., 1.95 mi. E. of SE cor. Lawton; 486 ft. W. of NE cor. sec. 4, T1N R11W; 29.5 ft. S. of C/L of Ok. Hwy. #29. C/L cupola top tile roof Washington School, Lawton, in azimuth 16°26'10"; C/L peak on water tower, Ft. Sill about 3 mi. in azimuth 12°52'42"; Tri. Sta. SE cor. Ft. Sill splitting panel board in azimuth 106°56'24".
X- 1,893,572.28 **Y- 458,961.98** **El. 1125.217 ft.**
 28-C-18 TT 1934; Comanche Co., 0.10 mi. E. of sec. cor. at SE cor. Lawton; 248 ft. E. of SW cor. sec. 32 T2N R11W; 44.4 ft. N. of C/L of Ok. Hwy. #29 USC&GS State Marker; C/L ball on top of water tower E. of RR tracks in Lawton about 1 mi. in azimuth 179°15'44"; Tri. Sta. in SE cor. Ft. Sill splitting panel board in azimuth 226°51'28".
X- 1,883,893.20 **Y- 459,113.65** **El. 1092.474 ft.**
 28-C-18-A; Comanche Co. 0.12 mi. W. of junction of US Hwys. #277 & #62 at NE cor. of Lawton; 375 ft. W. of inside point of W. corner of "Y" formed by above highways; 47 ft. N. of C/L '3 Hwy. #62; in sec. 19 T2N R11W; 10.4 ft. E. of highline pole. Concrete post

- with nail cemented in center. C/L ball on top of water tower E. of tracks near RR depot, Lawton, in azimuth $344^{\circ}37'08''$; C/L cupola top on brick school, red tile roof, Lawton, about 0.75 mi. in azimuth $39^{\circ}31'56''$. C/L ball on top of water tower black with white top at Ft. Sill about 1.7 mi. in azimuth $174^{\circ}50'23''$.
X-1, 882, 586.13 Y-469, 695.96 El. 1132.498 ft.
- 28-C-19 TT 1934; Comanche Co., 1.0 mi. W. of junction of US Hwys. #277 & #62 at NE cor. Lawton; (48.8 ft. S. of C/L U.S. Hwy. #62) USC&GS State Marker; 71.6 ft. E. of NW cor. sec. 30 T2N R11W; C/L ball on top of water tower near RR depot, Lawton, about 0.75 mi. in azimuth $309^{\circ}07'32''$; C/L peak on cupola Cameron College about $2\frac{1}{2}$ mi. in azimuth $56^{\circ}22'24''$; C/L of knob on water tower in Post Field about 1.75 mi. in azimuth $200^{\circ}53'31''$; C/L tripod upright at Tri. Sta. at SE cor. of Ft. Sill about 5 mi. in azimuth $253^{\circ}54'25''$.
X-1, 878, 414.99 Y-469, 616.93 El. 1165.791 ft.
- 28-C-20 TT 1934; Comanche Co., 1.78 mi. W. of junction of US Hwys. #277 & #62 at NE cor. of Lawton; 36 ft. N. of C/L Hwy. #62; 1167 ft. E. of SW cor. sec. 24 T2N R12W; C/L peak of water tower E. of RR track about 2 mi. in azimuth $295^{\circ}04'02''$; Tri. Sta. at SW cor. Ft. Sill about 7 mi. in azimuth $130^{\circ}47'02''$; C/L ball on top of water tower in Post Field at Ft. Sill about 1.75 mi. on azimuth $220^{\circ}52'32''$.
X-1, 874, 216.29 Y-469, 714.56 El. 1177.124 ft.
- EM 20-A; 2.3 mi. W. of junction of US Hwys. #277 & #62; square cut on W. end concrete culvert headwall on US #62. El. 1148.36 ft.
- 28-C-21 TT 1934; Comanche Co., 3.0 mi. W. of junction of US Hwys. #277 & #62 at NE cor. of Lawton; 42.8 ft. S. of C/L of Hwy. #62; in NW cor. sec. 26 T2N R12W; 49 ft. E. of C/L section road. USC&GS State Marker. C/L cupola barn at Cameron College, Lawton, about $1\frac{1}{2}$ mi. in azimuth $350^{\circ}31'07''$; C/L chimney N. end Scott School about 2 mi. in azimuth $91^{\circ}14'02''$; C/L ball on water tower Post Field, Ft. Sill about $2\frac{1}{2}$ mi. in azimuth $237^{\circ}56'05''$.
X-1, 867, 836.37 Y-469, 726.48 El. 1171.166 ft.
- EM 21-A; 3.3 mi. W. of junction of US Hwys. #277 & #62 at NE cor. Lawton; top SE cor. wingwall of bridge over Middle Wolf Creek. El. 1129.49 ft.
- EM 21-C; at SW cor. of culvert of sec. line intersection 5 mi. W. of junction of US Hwys. #277 & #62; opposite Scott School District #41. El. 1182.49 ft.
- 28-C-22 TT 1934; Comanche Co., 5.5 mi. W. of junction of US Hwys. #277 & #62 at NE cor. of Lawton; 35.5 ft. S. of C/L US Hwy. #62; 2412 ft. E. of NW cor. sec. 29 T2N R12W; USC&GS State Marker. C/L ball on water tower E. of RR at Lawton about 6 mi. in azimuth $278^{\circ}47'25''$; C/L ball on water tower in Post Field Ft. Sill about 6.5 mi. in azimuth $252^{\circ}22'03''$. X-1, 854, 423.17 Y-469, 769.69 El. 1194.950 ft.
- EM 22-A; 6.2 mi. W. of Jct. US Hwys. #277 & #62 at NE cor. Lawton; on SW cor. of wingwall of bridge over West Wolf Creek. El. 1197.50 ft.
- EM 22-B; 7 mi. W. of Jct. US Hwys. #277 & #62 at NE cor. Lawton; on SW cor. culvert headwall; 300 ft. E. of sec. cor. opposite Bell Tel. Pole #4245 & High Line Pole #130 on N. side of road. El. 1215.74 ft.
- 28-C-23 TT 1934; Comanche Co., 7.6 mi. W. of Jct. of US Hwys. #277 & #62 at NE cor. Lawton; 35 ft. N. of C/L Hwy. #62; 2021 ft. E. of SW cor. sec. 24, T2N R13W. USC&GS State Marker. C/L chimney 1 story frame house about 1.9 mi. in azimuth $299^{\circ}36'52''$; C/L chimney on yellow frame house about 1.9 mi. in azimuth $60^{\circ}05'30''$.
X-1, 843, 374.19 Y-469, 911.25 El. 1257.989 ft.
- EM 23-A; 8.0 mi. W. of jct. US Hwys. #277 & #62 at NE cor. Lawton; SW cor. S. concrete headwall on culvert of section line intersection. El. 1242.55 ft.
- EM 23-B; 8.4 mi. W. of jct. of US Hwys. #277 & #62; at NE cor. Lawton; square cut on wingwall of SW cor. concrete bridge over West Wolf Creek on Hwy. #62. El. 1231.26 ft.
- 28-C-24 TT 1934; Comanche Co., 9.62 mi. W. of jct. US Hwys. #277 & #62 at NE cor. Lawton; 33 ft. S. of C/L of Hwy. #62; 2006 ft. E. of NW cor. sec. 27 T2N R13W; 38 ft. E. of E. gate post in farmyard. USC&GS State Marker. C/L ball on water tower in Lawton about 9.7 mi. in azimuth $275^{\circ}05'56''$; C/L ball on water tower in Ft. Sill Post Field about 10 mi. in azimuth $260^{\circ}03'45''$.
X-1, 832, 936.43 Y-469, 909.35 El. 1301.733 ft.
- EM 24-A; 10.05 mi. W. of jct. US Hwys. #277 & 62 at NE cor. Lawton; 3.95 mi. E. of power line sub-sta. at Cache; square cut on SW wingwall of bridge on Blue Beaver Creek. El. 1234.68 ft.
- EM 24-B; 10.6 mi. W. of jct. US Hwys. #277 & #62; 3.5 mi. E. of power line sub-sta. at Cache; square cut on W. end S. conc. headwall on US #62. El. 1243.65 ft.
- 28-C-25 TT 1934; Comanche Co., 11.22 mi. W. of jct. US Hwys. #277 & #62 at NE cor. Lawton; 40.5 ft. SW of C/L Hwy. #62 and 400 ft. W. of PC; 1056 ft. W. of SE cor. sec. 20 T2N R13W USC&GS State Marker. C/L chimney on 1 story house about 2.5 mi. in azimuth $303^{\circ}34'04''$; C/L ball on water tower in Cache in azimuth $99^{\circ}13'48''$.
X-1, 824, 463.40 Y-470, 013.90 El. 1265.741 ft.
- 28-C-26 TT 1935; Comanche Co., 1.25 mi. E. of SW cor. Cache; 1050 ft. E. of NW cor. sec. 30, T2N R13W; 33 ft. S. of C/L US Hwy. #62; USC&GS State Marker. C/L chimney 1 story house about 3.5 mi. in azimuth $288^{\circ}58'36''$; C/L ball on water tower at Cache about 1.75 mi. in azimuth $112^{\circ}02'10''$; C/L chimney on 2 story white house about 1.75 mi. in azimuth $219^{\circ}10'36''$.
X-1, 816, 334.43 Y-470, 007.96 El. 1284.122 ft.
- EM 26-A; 0.8 mi. E. of powerline sub-station at Cache; on SW wingwall of conc. bridge

over Boulder Creek. El. 1238.95 ft.
 BM 26-B; 0.5 mi. W. of powerline sub-station at Cache; square cut on SW wingwall of bridge over Cache Creek. El. 1240.81 ft.
 BM 26-C; 0.7 mi. W. of powerline sub-station at Cache; square cut on SW wingwall of bridge on west fork of Cache Creek. El. 1237.49 ft.
 28-C-27 TT 1935; Comanche Co., 1.9 mi. W. of powerline sub-station at Cache; 5.1 mi. E. of Indianoma; about 4 ft. S. of N.R/W fence on US Hwy. #62; USC&GS State Marker. C/L W. chimney on white house about 3/4 mi. in azimuth 119°57'44"; C/L tin work on high unpainted barn about 1.3 mi. in azimuth 279°31'21".
 X-1, 799, 551.23 Y-470, 241.90 El. 1331.903 ft.
 BM 27-A; Comanche Co., 3 mi. W. of sub-station at Cache; square cut on W. end of S. concrete culvert headwall SW of section road & US Hwy. #62. El. 1316.61 ft.
 28-C-28 TT 1934; Comanche Co., 3.75 mi. W. of SW cor. of Cache; 1320 ft. E. of NW cor. sec. 29 T2N R14W; 30 ft. S. of C/L US Hwy #62 at PC. USC&GS State Marker. C/L chimney yellow house in azimuth 300°24'11"; C/L vent on barn in azimuth 247°12'35".
 X-1, 789, 912.38 Y-470, 246.09 El. 1329.222 ft.
 28-C-29 TT 1935; Comanche Co., 5.85 mi. W. of SW cor. Cache; 1320 ft. E. of NW cor. sec. 25, T2N R15W; USC&GS State Marker. C/L chimney 1 story white house about 3/4 mi. in azimuth 307°15'54"; C/L flag pole on Indianoma Highschool about 1 mi. in azimuth 73°31'54"; C/L chimney cream colored frame house about 1.75 mi. in azimuth 150°07'49";
 X-1, 778, 926.43 Y-470, 376.29 El. 1341.346 ft.
 USC&GS K-37=28-C-30 TT 1935; Comanche Co., 6.73 mi. W. 500 ft. S. of SW cor. Cache; in sec. 26, T2N R15W; on RR R/W 200 ft. N. of NW cor. of Indianoma RR depot. USC&GS State Marker stamped K-37 and 28-C-30 TT 1935; C/L flag pole on Indianoma High School in azimuth 43°13'08".
 X-1, 774, 385.16 Y-469, 885.51 El. 1332.471 ft.
 28-C-31 TT 1935; Comanche Co., 7.15 mi. W. of SW cor. of Cache; 500 ft. N. of SE cor. sec. 22 T2N R15W; 38.5 ft. SW of C/L S.L. & S.F. RR; 1 pole N. of MP 652/15. USC&GS State Marker. Flag pole Indianoma High School in azimuth 332°44'27"; C/L chimney small one story house about 3 mi. in azimuth 38°05'26"; C/L chimney yellow 2 story house about 6 mi. in azimuth 159°35'23".
 X-1, 772, 077.40 Y-471, 035.48 El. 1346.145 ft.
 BM 31-A; square chisel mark at SW cor. NW wing of bridge over Sandy Creek. El. 1314.12 ft.
 28-C-32 TT 1935; Comanche Co., 8.75 mi. W. of SW cor. Cache; 1320 ft. E. of NW cor. sec. 28 T2N R15W; 45.4 ft. S. of C/L US Hwy. #62; 0.55 mi. W. of PT of Hwy. #62 and sec. road out of Indianoma. USC&GS State Marker. C/L flag pole on High School Bldg. at Indianoma in azimuth 279°54'05". C/L E. chimney white house about 9°09'21"; C/L of chimney on 1 story house about 1 1/2 mi. in azimuth 127°13'24".
 X-1, 173, 503.21 Y-470, 411.66 El. 1366.247 ft.
 BM 32-A; Square chisel mark on NW cor. N. headwall conc. culvert 0.4 mi. W. of 28-C-32. El. 1351.45 ft.
 28-C-33 TT 1935; Comanche Co., 10.85 mi. W. of SW cor. Cache; 1056 ft. E. of NW cor. sec. 30 T2N R15W; 41.2 ft. S. of C/L US Hwy. #62; C/L chimney on 1 story house about 2 1/2 mi. in azimuth 301°05'55"; C/L chimney 2 story house about 2 mi. in azimuth 47°45'52"; C/L chimney on 1 story house about 1 mi. in azimuth 190°57'14".
 X-1, 752, 618.25 Y-470, 411.81 El. 1366.442 ft.
 28-C-34 TT 1935; Kiowa Co., 12.65 mi. W. of SW cor. of Cache; 1848 ft. E. of SW cor. sec. 23, T2N R16W; 47.5 ft. N. of C/L US Hwy. #62. USC&GS State Marker. C/L chimney 1 1/2 story house about 1 mi. in azimuth 191°05'45".
 X-1, 743, 362.97 Y-470, 590.07 El. 1386.250 ft.
 28-C-35 TT 1935; Kiowa Co., 13.4 mi. W. of SW cor. Cache; in sec. 27 T2N R16W; 530 ft. S. of C/L US Hwy. #62; 3 ft. W. and inside fence cor. USC&GS State Marker. C/L S. chimney T shaped white house about 1.5 mi. in azimuth 47°45'33"; C/L short red chimney on yellow house about 3/4 mi. in azimuth 133°34'58"; C/L chimney on 1 1/2 story white house about 1.75 mi. in azimuth 218°42'34".
 X-1, 739, 614.99 Y-470, 023.13 El. 1368.326 ft.
 BM 35-A; Square chisel mark on SW cor. N. headwall first conc. culvert W. of 28-C-35 on US Hwy. #62. El. 1315.41 ft.
 BM 35-B; Square chisel mark on SW cor. NW wing conc. and steel bridge; 8 mi. W. of Hodsons Filling Sta. El. 1283.47 ft.
 28-C-36 TT 1935; Kiowa Co. 3.0 mi. E. and 1.3 mi. S. of junction of US Hwy. #62 and Main St. in Snyder; 1584 ft. S. of NW cor. sec. 21, T2N R16W; 59.7 ft. SW of C/L US Hwy #62. USC&GS State Marker. C/L cupola on big red barn about 2 mi. in azimuth 334°52'50".
 X-1, 730, 540.96 Y-474, 494.52 El. 1322.192 ft.
 28-C-37 TT 1935; Kiowa Co., 1.5 mi. SE intersection of SL&SF RR and US Hwy. #62 at SE cor. of Snyder; 1450 ft. N. of SE cor. sec. 18, T2N R16W; 53.5 ft. SW of C/L US Hwy. #62. USC&GS State Marker. C/L cupola red barn about 2 1/2 mi. in azimuth 317°54'57"; C/L ball on water tower (NE black) about 2 mi. in azimuth 134°17'42".
 X-1, 723, 274.46 Y-478, 308.22 El. 1352.365 ft.
 28-C-38 TT 1935; Kiowa Co., 1.1 mi. E. of jct. of US Hwy. #62 and Main St. Snyder; 516 ft. E. of NW cor. sec. 18 T2N R16W; 361.8 ft. N. of C/L of 1/2 sec. line road E-W through sec. 18 (N. boundary Snyder Cemetery). USC&GS State Marker set in granite

rock. C/L ball on grey water tower in Snyder about 1 mi. in azimuth $91^{\circ}46'49''$.
 X-1,720,624.85 Y- 481,641.22 El. 1392.419 ft.
 28-C-39 TT 1935; Kiowa Co., 0.5 mi. E. of junction US Hwy. #62 and Main St. Snyder;
 342 ft. N. of C/L said hwy; in sec. 13, T2N, R17W; on R/W of St. L & SF RR. USC&GS & State
 Marker. C/L ball on grey water tower, Snyder in azimuth $93^{\circ}10'44''$; C/L ball on black
 water tower NE cor. Snyder in azimuth $173^{\circ}55'15''$.
 X- 1,716,459.97 Y- 481,721.79 El. 1357.818 ft.

Snyder Triangulation Station; See Traverse 25-F.

Traverse 29-A - Stephens and Grady Counties
 Marlow Longitude Station to Meridian Pair
 South Projection.

Marlow Longitude Station; see Traverse 28-A.

29-A-1 TT 1934; Marlow, Stephens Co., at intersection N. 5th St. & W. Jarbo St.
 in sec. 8, T2N, R7W; 1.0 ft. S. of S. fence line. USC&GS & State Marker; NW corner center
 chimney on house about 260 ft. in azimuth $60^{\circ}47'57''$; W. peak of roof red barn about
 2.2 mi. in azimuth $200^{\circ}19'09''$; W. peak roof on center gable 3 gable store about 800
 ft. in azimuth $267^{\circ}37'44''$.

X- 2,011,908.37 Y- 482,724.60 El. 1308.803 ft.
 B.M. #3; Stephens Co., 2 mi. N. of Jarbo St. Marlow; sec. 8, T2N, R7W; monel metal
 rivet in S. end W. headwall concrete culvert on US Hwy. #81.

B.M. #4; Stephens Co., in sec. 5, T2N, R7W; 0.8 mi. N. of Marlow at intersection of
 Jarbo St. and US Hwy. #81; monel metal rivet in S. end W. headwall concrete culvert.
 El. 1302.637 ft.
 El. 1336.489 ft.

29-A-2 TT 1934; Stephens Co., 0.75 mi. N. of Marlow at intersection of Jarbo St.,
 & U.S. Hwy. #81; approx. 27.5 ft. E. of E. edge US Hwy. #81; about $\frac{1}{4}$ mi. S. of center of
 sec. 5, T2N, R7W; 4116 ft. S. of Grady-Stephens Co. line. USC&GS & State Marker. NE cor.
 SE chimney on Stover Schoolhouse about 1.75 mi. in azimuth $166^{\circ}49'15''$; center of peak
 Rush Springs Water Tower in azimuth $179^{\circ}57'48''$. W. peak roof red barn about 1.1 mi.
 in azimuth $207^{\circ}44'50''$.

X- 2,012,698.68 Y- 486,525.51 El. 1339.068 ft.
 B.M. #5; Stephens Co., 1.3 mi. N. of intersection of Jarbo St. & US Hwy. #81. mo-
 nel metal rivet set in S. end W. headwall conc. culvert on Stephens-Grady Co., line.
 El. 1326.026 ft.

B.M. #6; Stephens Co., 2 mi. N. of Jarbo St. Marlow; 12 ft. E. of US Hwy. #81; Tri-
 angular conc. monument 60 ft. N. of Grady-Stephens County Line. El. 1313.300 ft.
 TBM "0"; Grady Co., 1.9 mi. N. of Marlow; high point on S. guard rail post, W. side
 US Hwy. #81; 0.4 mi. N. of Grady-Stephens County Line. El. 1288.534 ft.

TBM #7; Grady Co., 2 mi. N. of Jarbo St. Marlow; sec. 32, T3N, R7W; monel metal
 rivet in S. end W. headwall conc. culvert, US Hwy. #81; 0.5 mi. N. of Grady-Stephens Co.
 line. El. 1291.565 ft.

29-A-3 TT 1934; Grady Co., 6.15 mi. S. of Rush Springs; 2.3 mi. N. of Marlow at
 intersection of Jarbo St. & US Hwy. #81; 30.5 ft. W. of W. edge of pvmt; sec. 32, T3N, R7W.
 4234 ft. N. of Stephens Co. line. USC&GS & State Marker. NE cor. Marlow Grade School
 Bldg., in azimuth $02^{\circ}47'56''$; SE cor. large hay barn about 3.5 mi. in azimuth $112^{\circ}15'25''$
 W. peak of roof on red barn about 0.9 mi. in azimuth $333^{\circ}41'56''$.

X- 2,012,647.19 Y- 494,875.75 El. 1330.539 ft.

29-A-4 TT 1934; Grady Co., 2.7 mi. N. of Marlow at intersection Jarbo St. & US
 Hwy. #81; 32.15 ft. E. of E. edge of pvmt; in sec. 29, T3N, R7W; 6261 ft. N. of Grady-Stephens
 Co. line; USC&GS & State Marker; NE cor. N. chimney Stover Schoolhouse in azimuth 121°
 $26'36''$; NE cor. Marlow Grade School in azimuth $0^{\circ}35'21''$; Peak of Rush Springs Water
 Tower in azimuth $179^{\circ}53'17''$.

X- 2,012,733.67 Y- 496,902.31 El. 1345.328 ft.

B.M. #8; Stephens Co., 5.17 mi. S. of Rush Springs; in sec. 29, T3N, R7W; on US Hwy.
 #81; monel metal rivet in S. end W. headwall. El. 1331.586 ft.

B.M. "M"; Grady Co., 4.5 mi. N. of Marlow Via Rock Island tracks; in sec. 29, T3N,
 R7W; 6" from S. & E. edge of coping stone to E. side of arched stone culvert; B.M. re-
 covered and found in good condition. El. 1268.846 ft.

B.M. #32; Grady Co., 4.6 mi. S. of Rush Springs; 5 mi. N. of Marlow; in sec. 29, T3N,
 R7W; on US Hwy. #81; 1.9 mi. N. of Grady-Stephens Co. line. El. 1250.512 ft.

29-A-5 TT 1934; Grady Co., 5.4 mi. S. of Rush Springs in sec. 20, T3N, R7W; 30 ft. W.
 of W. edge of US Hwy. #81; 8097 ft. N. of Grady-Stephens Co. line; 125.7 ft. N. of cross
 fence to W. USC&GS & State Marker; NE cor. N. chimney on Stover Schoolhouse in azi-
 muth $268^{\circ}08'19''$; Water tower in Rush Springs in azimuth $180^{\circ}02'23''$; S. chimney on
 white house in azimuth $213^{\circ}25'49''$.

X- 2,012,653.10 Y- 498,736.96 El. 1319.302 ft.

29-A-6 TT 1934; Grady Co., 4.4 mi. S. of Rush Springs; in sec. 20, T3N, R7W; 30.1 ft.
 W. of W. edge US Hwy. #81; 2.6 mi. N. Grady-Stephens Co. line; USC&GS & State Marker. N.
 chimney Stover School in azimuth $30^{\circ}01'15''$; S. chimney house 0.5 mi. in azi. $269^{\circ}35'03''$.

X- 2,012,729.46 Y- 503,579.60 El. 1310.713 ft.

B.M. #9; Grady Co., 4.3 mi. S. of Rush Springs; sec. 20, T3N, R7W; monel metal rivet

- in S. end of W.headwall of concrete culvert on US Hwy.#81; 2.8 mi.N. of Grady-Stephens County Line. El. 1307.353 ft.
- B.M. #10; Grady Co., 3.0 mi.S.of Rush Springs; 6.6 mi.N. of Marlow; in sec.17,T3N,R7W; monel metal rivet in S.end W.headwall of concrete culvert on US Hwy.#81; 3.6 mi. N. of Grady Stephens County Line. El. 1332.808 ft.
- 29-A-7 TT 1934; Grady Co., about 3.2 mi.S.of Rush Springs; in sec.17,T3N,R7W; 26.3 ft.W.of W. edge of US Hwy.#81; approx. 3.8 mi.N. of Grady-Stephens County Line; USC&GS & State Marker. Chimney on R. Lindsay's white house about 1.9 mi. in azimuth 169°50'06"; water tower in Rush Springs in azimuth 180°03'58"; Marlow Grade School in azimuth 00°12'07".
- X- 2,012,653.03 Y- 510,853.97 El. 1350.381 ft.
- B.M. #11; Grady Co., 2.3 mi.S. of Rush Springs; 7.3 mi.N. of Marlow; in sec. 8, T3N,R7W; monel metal rivet on S.end of W. headwall of concrete bridge on US Hwy.#81; 4.3 mi.N. of Grady-Stephens County Line. El. 1306.645 ft.
- 29-A-8 TT 1934; Grady Co., 1.8 mi.S. of Rush Springs; in sec.5,T3N,R7W; 32.5 ft. E.of E.edge of US Hwy.#81; 5.2 mi.N. of Grady-Stephens County Line; USC&GS & State Marker; Rush Springs water tower in azimuth 179°49'17"; N. chimney on V. Simpson house about 1.0 mi.in azimuth 272°10'43".
- X- 2,012,711.08 Y- 517,204.67 El. 1342.175 ft.
- 29-A-9 TT 1934; in Rush Springs, Grady Co., 5702 ft. S.of intersection of US Hwy.#81 and Blakely St; in sec.5,T3N,R7W; 6 mi.N.of Grady-Stephens Co., Line. USC&GS & State Marker. Chimney on white house about 0.5 mi.in azimuth 27°00'53"; water tower, Rush Springs, in azimuth 180°30'46". N. chimney on white house about 1.0 mi. in azimuth 309°14'10".
- X- 2,012,618.24 Y- 521,741.29 El. 1360.089 ft.
- 29-A-10 TT 1934; in Rush Springs, Grady Co., 29.6 ft.E.of E. edge of US Hwy.#81 and 3687 ft.S. of its intersection with Blakely St;in sec. 32,T4N,R7W; USC&GS & State Marker. Chimney yellowhouse about 200 ft.in azimuth 170°06'32"; peak of Rush Springs water tower in azimuth 177°51'04".
- X- 2,012,838.82 Y- 523,744.55 El. 1342.871 ft.
- B.M.#1349; Rush Springs, Grady Co., in sec.32,T4N,R7W; on left side of main entrance to Masonic Bldg., (now a garage); bronze tablet set in middle of second stone above sidewalk; stamped 1349; B.M. is in good condition. El. 1349.922 ft.
- 29-A-11 TT 1934; in Rush Springs, Grady Co., on NW cor. street intersection; 1 blk.W.of US Hwy.#81; 1 blk.N.of Blakely St.in sec.29,T4N,R7W;covered with water meter box. N. Monument of Meridian Pair; NW cor.of Galloway Bldg.in azimuth 311°04'22".
- X- 2,012,769.20 Y- 527,914.60 El. 1355.713 ft.
- 29-A Meridian Pair; Grady Co., S. Monument of meridian pair; located in field in sec. 32,T4N,R7W; 1 blk.S.of Blakely St.Rush Springs; 126.6 ft.S.of S.city limits. USC&GS & State Marker covered by water meter box. El. 1311.578 ft.

Traverse 29-B; Cotton, Comanche & Caddo Counties,

26-B-1 TT 1934 to Kechi Tri. Sta.,
South Projection.

- 26-B-1 TT 1934; Junction Station; See Traverse 26-B.
- 29-B-1 TT 1934; Cotton Co., 10.7 mi.S.& 1 mi.W.of S.Boundary St. at OK Hwys.#65 & 32, Walters; 5.0 ft.E.of R/W fence W.side OK Hwy.#65; 0.30 mi.N. of S. line sec.22, T4S,R11W; 700 ft.N. & 200 ft.E.of old unpainted house owned by B.W .Belt and occupied by J.S. Dixon. USC&GS & State Marker. C/L cupole R. Toquothy's barn in azimuth 188°02'37". C/L W.end tin barn in azimuth 245°04'18".
- X- 1,899,995.57 Y- 312,685.64 El. 947.816 ft.
- B.M. 1 A; Cotton Co., Approx. 5.5 mi.W.& 5.1 mi.S.of intersection OK Hwy.#32 & Main Street Temple; monel metal rivet set in S.end W.headwall concrete culvert. El. 908.821 ft.
- 29-B-2 TT 1934; Cotton Co., 8.85 mi.S.& 1 mi.W.of S.Boundary St.& OK Hwys.#65 & 32, in SW part of Walters; 2.0 ft.W.of R/W fence line on E.side OK Hwy.#65; 0.15 mi. N.of S.line sec.11,T4S,R11W; 150 ft.N.& 200 ft.W.of approx.cor.brick house owned and occupied by Toquothy; USC&GS & State Marker; C/L Temple water tower in azimuth 114°07'40"; C/L chimney white house in azimuth 174°30'10"; C/L cupola Toquothy barn in azimuth 276°38'52".
- X- 1,900,099.62 Y- 322,396.14 El. 953.393 ft.
- B.M. 2 A; Cotton Co., 5.5 mi.W.& 3.4 mi.S.of Main St. Temple, vis OK Hwy.#32; monel metal rivet set in S.end W.curb of 45 ft.concrete bridge, on N-S sec. line road; rivet is 9 inches N.of S.end of bridge. El. 938.111 ft.
- 29-B-3 TT 1934; Cotton Co., 7.45 mi.S.& 1 mi.W.of S.Boundary St. at OK Hwys.#65 & 32, in SW part of Walters; 3.5 ft.E.of R/W fence on E.side OK Hwy.#65; 0.45 mi.S. of N.line sec.2,T4S,R11W; USC&GS & State Marker. C/L chimney white house in azimuth 161°37'31"; C/L Temple water tower in azimuth 245°28'14"; C/L W.end tin barn in azimuth 290°05'19".
- X- 1,900,126.36 Y- 329,794.41 El. 977.444 ft.
- 29-B-4 TT 1934; Cotton Co., 6.35 mi.S.& 1 mi.W.of S.Boundary St.& OK Hwys.#65 & 32, in SW part of Walters; 2.0 ft. E.of R/W fence line on W.side OK Hwy.#65; 0.4 mi.S.

- of N. line sec. 34, T3S, R11W; 300 ft. N. of E-W $\frac{1}{4}$ sec. line fence; USC&GS & State Marker. C/L chimney house in azimuth 23°41'32"; Walters water tower in azimuth 188°34'15"; Temple water tower in azimuth 255°33'42".
 X-1,900,129.27 Y-335,294.55 El. 1012.792 ft.
 29-B-5 TT 1934; Cotton Co., 5.45 mi. S. & 1 mi. W. of intersection S. Boundary St. & OK Hwys. #65 & 32 in SW part of Walters; 30 ft. E. C/L OK Hwy. #65; 0.45 mi. N. of S. line sec. 26, T3S, R11W; USC&GS & State Marker; C/L Walters water tower in azimuth 189°34'52"; C/L Temple water tower in azi. 264°31'26"; C/L Hastings W.T. in azi. 280°58'26".
 X-1,900,215.11 Y-339,800.73 El. 1009.812 ft.
 29-B-6 TT 1934; Cotton Co., 5 mi. S. & 0.3 mi. W. of S. Boundary St. at OK Hwy. #65, & 32; in SW part of Walters; 1.0 ft. N. of R/W fence S. side of OK Hwy. #65; 0.3 mi. W. of E. line sec. 26, T3S, R11W; 70 ft. S. of 33,000 volt electric power transmission line SW Light & Power Co; USC&GS & State Marker; C/L Walters water tower in azimuth 181°53'49"; C/L Temple water tower in azimuth 270°52'49".
 X-1,903,711.34 Y-342,783.44 El. 1003.534 ft.
 B.M. 6 A; Cotton Co., $\frac{1}{2}$ mi. W. & $\frac{1}{8}$ mi. N. of Main St. Temple, on OK Hwy. #32; monel metal rivet set in W. end S. headwall conc. culvert; 150 ft. SSE of P.I. of OK Hwy. #32 and N-S sec. line road. El. 948.923 ft.
 29-B-7 TT 1934; Cotton Co., 3.45 mi. S. of S. Boundary St. at OK Hwys. #65, 32, in SW part of Walters; 3 ft. W. of E.R/W fence of Hwys. 0.45 mi. S. of N. line sec. 13, T. 3S, R11W; 600 ft. N. and 380 ft. W. of Mable Moon Missionary Church; USC&GS & State Marker; C/L chimney W. side Walters Courthouse in azimuth 183°42'07"; C/L Temple water tower in azimuth 290°59'23".
 X-1,905,518.61 Y-350,951.92 El. 1008.361 ft.
 B.M. 7 A; Cotton Co., approx. $\frac{1}{2}$ mi. W. & 8 mi. N. of Main St., Temple, Via OK Hwy. #32; cross cut on S. side W. headwall of concrete culvert. El. 973.204 ft.
 B.M. 7 B; Cotton Co., $\frac{1}{2}$ mi. W. & 3 mi. N. of Main St. Temple, Via OK Hwy. #32; monel metal rivet set in S. end W. headwall conc. culvert. El. 1005.546 ft.
 B.M. 7-C; Cotton Co., 3 mi. S. of Boundary St., Walters Via OK Hwys. #65, 32, in SE cor. sec. 11, T3S, R11W; monel metal rivet in S. end W. headwall concrete culvert. El. 975.06 ft.
 B.M. 7-D; Cotton Co., 2 mi. S. of Boundary St. Walters, Via OK Hwys. #65, 32; in SE corner sec. 2, T3S, R11W; monel metal rivet in S. end W. headwall of concrete culvert. El. 1007.34 ft.
 29-B-8 TT 1934; Cotton Co., 1.45 mi. S. of S. Boundary St., at OK Hwys. #65, 32, in SW part of Walters; 2 ft. E. of W. Hwy. R/W fence; USC&GS and State Marker; C/L Walters water tower in azimuth 181°52'08"; C/L chimney Walters Courthouse in azimuth 187°30'03"; C/L Temple water tower in azimuth 310°39'12".
 X-1,905,389.30 Y-361,643.58 El. 1011.048 ft.
 B.M. 8 A; Cotton Co., approx. 1 mi. S. of city limits, Walters Via OK Hwys. #65, 32; monel metal rivet set in S. end W. headwall concrete culvert. El. 1014.94 ft.
 B.M. 8 B; Cotton Co., 1 mi. S. of S. Boundary St. Walters, Via OK Hwys. #65, 32; SE cor. sec. 35, T2S, R11W; monel metal rivet S. end W. headwall conc. culvert. El. 1014.94 ft.
 29-B-9 TT 1934; Cotton Co., 0.85 mi. S. of S. Boundary St. & OK Hwys., #65, 32, in SW part of Walters; 2.50 ft. W. of R/W fence line on E. side of Hwys; 0.15 mi. N. of S. line sec. 36, T3S, R11W; USC&GS & State Marker; C/L Walters water tower in azimuth 181°46'37"; C/L chimney W. center Walters Courthouse in azimuth 189°10'07"; C/L Temple water tower in azimuth 314°50'12".
 X-1,905,496.64 Y-364,562.23 El. 1013.591 ft.
 BM 9 A; Cotton Co., at sec. line forming S. city limits of Walters, via OK Hwy. #32; monel metal rivet set in W. end of S. leg "L" shaped concrete culvert headwall. El. 1008.91 ft.
 29-B-10 TT 1934; Cotton Co., at SW edge of Walters; 42 ft. W. of C/L OK Hwys. #65 & 32; 34 ft. S. of C/L W. Virginia St., S. Mon. Meridian Pair; USC&GS & State Marker; C/L chimney white house in azimuth 107°29'29"; C/L Walters water tower in azimuth 187°18'15".
 X-1,905,426.55 Y-369,970.71 El. 1011.496 ft.
 North Mon. Meridian Pair; Cotton Co., in W. part of Walters; 1.5 ft. S. of E-W fence line on N. side of W. Nebraska St. & on W. side of 7th St. 41 ft. W. of C/L 7th St., USC&GS & State Marker; C/L chimney on 2 room house in azimuth 86°53'21". Walters water tower in azimuth 226°38'01"; C/L chimney W. center Walters Courthouse in azimuth 223°22'57". El. 1005.925 ft.
 B.M. 10A Cotton Co., 0.65 mi. W. of N. Broadway, Walters; 0.45 mi. W. of NE cor. sec. 26, T2S, R11W; on US Hwy. #70; monel metal rivet in W. end S. headwall of 14 ft. N-S concrete bridge. El. 998.22 ft.
 29-B-11 TT 1934; Cotton Co., 1.15 mi. W. of 7th St. at US Hwy. #70, NW part of Walters; 1.5 ft. N. of R/W fence line on S. side Hwy; 0.15 mi. W. of NE cor. sec. 27, T2S, R11W; USC&GS & State Marker; C/L chimney 2 room house in azimuth 58°20'21"; C/L chimney 6 room house in azi. 106°36'16"; C/L Walters water tower in azi. 286°53'12".
 X-1,899,424.90 Y-374,462.98 El. 1034.015 ft.
 B.M. 11 B; Cotton Co., 1.25 mi. W. of N. Broadway, Walters, Via US Hwy. #70 in NE cor. sec. 27, T2S, R11W; 70 ft. SW of SW cor. I.O.O.F. Cemetery; monel metal rivet W. end S. headwall E-W concrete culvert. El. 1027.66 ft.
 B.M. 11 C; Cotton Co., 2.0 mi. W. of N. Broadway, Walters, Via OK Hwy. #70; 0.8 mi. W.

- NE cor.sec.27,T2S,R11W;monel metal rivet in W.end S.headwall concrete culvert.
El. 1040.51 ft.
- 29-B-12-TT-1934;Cotton Co.,2.40 mi.W.of 7th St.& US Hwy.#70 in NW part of Walters; 1 ft.N.of R/W fence S.side hwy;0.40 mi.W.of NE cor.sec.28,T2S,R11W;USCGS-State Marker;Walters water in azimuth 278°28'17";C/L chimney house 3/8 mi.in azimuth 323°08'12";C/L chimney white house 3/8 mi.in azimuth 235°19'30".
X-1,892,828.44 Y-374,472.26 El.1069.845 ft.
- B.M.12A;Cotton Co.,3.2 mi.W.of N.Broadway at US Hwy.#70,Walters;0.95 mi.W.of NE cor.sec.28,T2S,R11W;monel metal rivet in W.end S.headwall on 8 ft.NS concrete box culvert.
El. 1064.40 ft.
- B.M.12B;Cotton Co.,3.5 mi.W.of N.Broadway at US Hwy.#70,Walters;0.3 mi.W.of NE cor.sec.29,T2S,R11W;monel metal rivet in W.end S.headwall on 7 ft.NS concrete culvert.
El. 1060.63 ft.
- 29-B-13 TT 1934;Cotton Co.,3.55 mi.W.of 7th St.at US Hwy.#70 in NW part of Walters 2.0 ft.S.of R/W fence line on N.side Hwy;0.45 mi.E.of SW cor.sec.20,T2S,R11 W;USCGS-State Marker;C/L chimney house 0.2 mi.in azimuth 120°30'04";Walters water tower in azimuth 276°14'06".
X-1,886,819.08 Y-374,616.31 El. 1068.032 ft.
- B.M.15A;Cotton Co.,4.35 mi.W.of N.Broadway at US Hwy.#70,Walters;0.15 mi.W.of NE cor.sec.30,T2S,R11W;monel metal rivet in W.end S.headwall concrete bridge.
El. 1042.27 ft.
- 29-B-14-TT-1934;Cotton Co.,5 mi.W & 1 mi.N.of 7th St.at US Hwy.#70, in NW part of Walters;1 ft.W.of R/W fence line E.side US Hwy.#277;40 ft.S.of C/L NW dirt road at NW cor.sec.19,T2S,R11W;USCGS-State Marker;C/L chimney 3 room house 0.2 mi.in azimuth 87°58'44";C/L brick chimney N.center Ruth School house in azimuth 135°10'37";C/L chimney house 1.5 mi.in azimuth 204°18'58".
X-1,879,337.59 Y-379,798.66 El. 1061.841 ft.
- B.M.14A;Cotton Co.,5.2 mi.W.Broadway,Walters;on NW cor.sec.30,T2S,R11W;at junction of US Hwys #70 & 277;monel metal rivet in W.end S.headwall of S.concrete culvert on US Hwy.#70.
El. 1038.914 ft.
- 29-B-15-TT-1934;Cotton Co.,5 mi.W.& 1.85 mi.N.of 7th St.at Missouri St.in NW part of Walters;0.15 mi.S.of NW cor.sec.19,T2S,R11W;1.5 ft.W.of R/W fence line on E.side US Hwy.#277;USCGS-State Marker;C/L N.brick chimney 3 room yellow house 2.5 mi.in azimuth 16°09'30";C/L brick chimney N.center Ruth School house in azimuth 129°39'12";C/L brick chimney white frame house 1.5 mi.in azimuth 213°08'58".
X-1,879,36833 Y-384,151.48 El. 1073.068 ft.
- B.M.15A;Cotton Co.,5.2 mi.W.& 1.35 mi.N.of N.Broadway,at US Hwy.#277 in N. part of Walters on W.side of hwy;0.35 mi.N.of SE cor.sec.13,T2S,R12W;monel metal rivet in S.end W.headwall of concrete bridge.
El.1055.39 ft.
- 29-B-16-TT-1934;Cotton Co.,5 mi.W.3.1 mi.N.of 7th St.at US Hwy.#70 in NW part of Walters 0.1 mi.N.of SE cor.sec.1,T2S,R12W; 1 ft.E.of W R/W fence,US Hwy.#277; USCGS & State Marker;Ruth School House about 1.5 mi.in azimuth 89°16'22";C/L brick chimney on Geronimo School House in azimuth 188°41'31".
X-1,879,297.97 Y-390,778.03 El.1071.012 ft.
- 29-B-17-TT-1934;Cotton Co.,5 mi.W,4.95 mi.N.of 7th St.& US Hwy.#70 in NW part of Walters;0.5 mi.W.and 3.05 mi.S.of SW cor.of Geronimo;1.5 mi.S.of Cotton-Comanche Co.Line;260 ft.S.of NW cor.sec.36,T1S,R12W;1.5 ft.E.of W.R/W fence,US Hwy.#277; USCGS & State Marker;C/L chimney house about 7 mi.in azimuth 121°10'41";C/L chimney on Geronimo School in azimuth 192°59'14";C/L chimney W.side house about 1.5 mi.in azimuth 329°56'14".
X-1,879,368.19 Y-400,617.11 El.1046.347 ft.
- 29-B-18-TT-1934;Comanche Co.,5 mi.W.6.4 mi.N.of NW part of Walters;9.6 mi.S. 0.3 mi.E.of S.Boundary St.Lawton;0.4 mi.N.of SE cor.sec.25,T1S,R12W;W.side US Hwy.#277;USCGS & State Marker;C/L chimney house in azimuth 76°42'38";C/L chimney on Geronimo Schoolhouse in azimuth 201°16'02";C/L chimney on W.side house about 1 mi. in azimuth 342°51'59".
X-1,879,396.59 Y-408,186.65 El. 1089.817 ft.
- 29-B-19-TT-1934;Comanche Co.,7.25 mi.S.0.3 mi.E.of S.Boundary St.at 11th St., Lawton;6 mi.W.8.75 mi.N.of Walters;0.25 mi.S.of NE cor.sec.12,T1S,R12W;9 ft.E.of W. R.W fence,US Hwy.#277;C/L Grandfield Water Tower in azimuth 170°09'25";C/L chimney house about 0.6 mi.in azimuth 145°40'25";C/L chimney Geronimo School in azimuth 291°09'33".
X-1,879,383.00 Y-420,688.09 El. 1099.556 ft.
- 29-B-20-TT-1934;Comanche Co.,6.55 mi.S.0.3 mi.E.of S.Boundary at 11th Sts. Lawton;0.45 mi.N.SE cor.sec.1,T1S,R12W;1.5 ft.E.of W.R/W fence US Hwy.#277;USCGS State Marker;C/L chimney house about 0.6 mi.in azimuth 53°01'35";C/L water tower on Indian Reservation N.of Lawton, in azimuth 182°33'36";C/L SW Light & Power Co. Water Tower Lawton in azimuth 186°13'37";C/L brick chimney on Geronimo School in azimuth 321°49'30".
X-1,879,378.27 Y-424,446.24 El. 1116.129 ft.
- 29-B-21-TT-1934;Comanche Co.,4.53 mi.S.of S.Boundary St.at 11th St.,Lawton; in NE cor.SE sec.25,T1N,R12W;110 ft.W,490 ft.S.of Hillside Schoolhouse;USCGS & State Marker;C/L S.chimney white house about 1 mi.in azimuth 145°20'36";C/L Ft.Sill

- Water Tower about 5.5 mi. in azimuth $184^{\circ}41'41''$; C/L Lawton Water Tower in azimuth $190^{\circ}86'18''$.
- X-1,878,201.80 Y-434,743.83 E. 1117.114 ft.
29-B-22-BM X; 4.53 mi. S. of S. Boundary at 11th St., Lawton; 15 ft. S. 30 ft. W. of NE cor. SE sec. 25, T1N, R12W; USC&GS & State Marker. E1. 1118.141 ft.
- 29-B-22-TT-1934; Comanche Co., 2.5 mi. S. of S. Boundary St. at 11th St., Lawton; 3.0 ft. N. 30 ft. E. of SW cor. NW $\frac{1}{4}$ cor. sec. 18, T1N, R11W; USC&GS & State Marker; C/L Lawton Co., Water Tower, Lawton about 4 mi. in azimuth $195^{\circ}56'51''$; C/L N. chimney yellow house in azimuth $212^{\circ}16'51''$; C/L chimney brick bldg. Cameron Agricultural Col. about 5 mi. in azimuth $253^{\circ}09'11''$. E1. 1083.203 ft.
- X-1,878,296.72 Y-445,906.31 E1. 1083.203 ft.
29-B-23-TT-1934; Comanche Co., 1.0 mi. S. of S. Boundary St. at 11th St., Lawton; in NE cor. sec. 12, T1N, R12W; 9.0 ft. S. 3.0 ft. W. of R/W fence SL & SF RR; 78.1 ft. N. of N. rail at cattle guard; USC&GS & State Marker; C/L chimney brick house about 3/4 mi. in azimuth $89^{\circ}32'40''$; Lawton Water Tower in azimuth $205^{\circ}57'40''$; C/L N. chimney yellow house in azimuth $345^{\circ}39'10''$.
- X-1,878,251.31 Y-453,793.08 E1. 1116.672 ft.
29-B-24-TT-1934; Comanche Co., 0.75 mi. S. of intersection of CRI&P RR with Boundary St., Lawton; in SE sec. 6 T1N, R11W; 496 ft. E. of W. rail CRI&P RR; about 220 ft. S. of N. end of "heavy" cut; USC&GS & State Marker; belfry of Catholic Church about 2 mi. in azimuth $160^{\circ}20'21''$; C/L Ft. Sill Water Tower in azimuth $175^{\circ}45'16''$;
- X-1,883,527.95 Y-455,114.50 E1. 1094.960 ft.
29-B-25-TT-1934; in Lawton, Comanche Co., 12.25 ft. W. of W. rail, main track CRI&P RR; near SE footing RR water tank; 3.0 ft. S. of N. property line of "D" St. produced; USC&GS & State Marker; C/L Lawton W.T. about $\frac{1}{2}$ mi. in azimuth $184^{\circ}22'07''$; C/L brick silo about 4 mi. in azimuth 4 mi. in azimuth $283^{\circ}11'17''$.
- X-1,883,621.05 Y-462,671.94 E1. 1103.905 ft.
29-B-26-TT-1934; Lawton Comanche Co., 13.5 ft. E. of W. rail of CRI&P RR; 1.05 mi. N. of RR water tank; 39 ft. S. of C/L gravel drive to US Indian Service Grounds; USC&GS & State Marker; C/L vent, McKinley School in azimuth $22^{\circ}31'17''$; C/L Post Field Water Tower in azimuth $165^{\circ}43'57''$.
- X-1,883,808.27 Y-470,549.68 E1. 1122.639 ft.
29-B-27-TT-1934; Comanche Co., 2.0 mi. N. of "D" St., Lawton; 28.7 ft. W. of W. rail SL & SF RR; on inner slope of "spoil bank" midway of sizeable cut; USC&GS & State Marker; C/L W. water tower, Lawton in azimuth $44^{\circ}07'02''$; C/L of Tri. Station Ft. Sill in azimuth $259^{\circ}21'52''$; C/L E. water tower, Lawton, in azimuth $1^{\circ}06'47''$.
- X-1,883,869.12 Y-473,086.58 E1. 1131.936 ft.
29-B-28-TT-1934; Comanche Co., 2.85 mi. N. of "D" St., Lawton; on SL & SF RR R/W; on convex side of curve; 34 ft. S. of tele. pole #626-15; 25.5 ft. W. of W. rail tangent from S. USC&GS & State Marker; C/L Ft. Sill water tower (old post) in azimuth $183^{\circ}26'22''$; Ft. Sill Tri. Sta. G; in azimuth $216^{\circ}18'57''$; Ft. Sill Tri. Sta. F. in azimuth $272^{\circ}27'57''$.
- X-1,884,085.17 Y-477,366.67 E1. 1127.848 ft.
29-B-29-TT-1934; Comanche Co., 3.15 mi. N. of "D" St., Lawton; 32.2 ft. W. of C/L in W. R/W line US Hwy. #277; 1401.8 ft. S. of S. abutment of conc. slab bridge; USC&GS & State Marker; Ft. Sill Tri. Sta. MB-2 in azimuth $142^{\circ}32'41''$; Ft. Sill Tri. Sta., #32 in azimuth $226^{\circ}27'16''$; Ft. Sill Tri. Sta. F. in azimuth $276^{\circ}11'13''$.
- X-1,883,967.97 Y-478,583.24 E1. 1135.028 ft.
29-B-30-TT-1934; Comanche Co., 4.35 mi. N. of D St., Lawton; 534 ft. E. of C/L US Hwy. #277 curve, on line with E. edge of pvt. produced from S. approx. 150 yds. SE from SE cor. of old Ft. Sill; USC&GS & State Marker; Ft. Sill Tri. Sta., on Signal Mt. in azimuth $96^{\circ}22'09''$; Ft. Sill Water Tower in azimuth $162^{\circ}03'24''$ Ft. Sill Tri. Sta. F in azimuth $295^{\circ}32'19''$.
- X-1,885,563.96 Y-484,676.72 E1. 1134.464 ft.
29-B-31-TT-1934; Comanche Co., 4.6 mi. N. of "D" St., Lawton; on E. R/W line US Hwy. #277; directly in line with E. edge of pvmt. produced from N; 1672.5 ft. S. of Truss Bridge over Medicine Creek; USC&GS & State Marker; Ft. Sill Water Tower in azimuth $148^{\circ}29'06''$; Ft. Sill Tri. Sta. on top of conc. bldg. in azimuth $336^{\circ}48'51''$.
- X-1,885,458.92 Y-486,125.58 E1. 1135.327 ft.
29-B-32-TT-1934; Comanche Co., 6.8 mi. N. of "D" St., Lawton; in brow of W. shoulder of US Hwy. #277; 183 ft. S. of end of pvmt. at N. boundary of Ft. Sill Military Reservation; 8.67 ft. W. of edge of pvt. Ft. Sill Signal Sta. in azimuth $35^{\circ}41'03''$.
- X-1,882,020.88 Y-499,264.06 E1. 1125.878 ft.
29-B-33-TT-1934; Comanche Co., 7.6 mi. N. of "D" St., Lawton; 36.2 ft. W. of W. rail of CRI&P RR; 100 ft. from S. end of "spoil bank" of major cut; USC&GS & State Marker; Ft. Sill M.B. 4 in azimuth $36^{\circ}13'26''$; Ft. Sill Tri. Sta. 1st. Hill W. of Hwy. 277, $119^{\circ}58'41''$; mark on W. rail of CRI&P RR in azimuth $264^{\circ}00'04''$.
- X-1,881,577.59 Y-503,791.50 E1. 1148.200 ft.
29-B-34-TT-1934; Comanche Co., 8.1 mi. N. of "D" St., Lawton; in S. line sec. 18, T3N R11W; 151 ft. E. of C/L US Hwy. #277; 29 ft. W. of W. rail CRI&P RR near crossing sign post; USC&GS State Marker; Ft. Sill Tri. MB 4, in azimuth $29^{\circ}53'42''$; Ft. Sill Tri. Sta. H, on Walsh Hill in azimuth $89^{\circ}45'42''$.
- X-1,881,343.60 Y-506,477.94 E1. 1150.690 ft.
29-B-34 A: Comanche Co., 8.1 mi. N., 0.3 mi. E. of "D" St., Lawton; in S. line sec. 18, T3N, R11W; on US Hwy. #277, 330 ft. E. of wooden culvert; large rocks near point; bolt set

in concrete.

- X-1,882,834.78 Y-506,450.63 El. 1137.642 ft.
29-B-35-TT-1934;Comanche Co., 8.1 mi.N. of "D" St.Lawton;1629 ft.W. of SE cor.sec. 17,T&N,R11W;1.15 mi.E. of Hwy.#277, 4 ft.S. of N.R/W fence;USC&GS State Marker;Ft. Sill Tri.Sta.#24, in azimuth 45°01'19";Ft.Sill Tri.,Sta."H", N. of Reservation, in azimuth 89°29'59";Ft.Sill Water Tower, (old post) in azimuth 7°52'54".
- X-1,887,340.31 Y-506,518.86 El. 1141.346 ft.
29-B-36-TT-1934;Comanche Co., 8.5 mi.N. of "D" St.Lawton;1567 ft.N. of SE cor.sec. 17,T&N,R11W;1.5 mi.E. of US Hwy.#277;3 ft. from W.R/W fence; 1053 ft.S. of N.fence at Lone Jack Schoolhouse;USC&GS & State Marker;Ft.Sill Tri.Sta."H" N. of Reservation in azimuth 82°34'45";Ft.Sill Tri.Sta.K, 2 mi.S. of Elgin in azimuth 214°35'00";Ft. Sill Water Tower (old post) in azimuth 11°38'15".
- X-1,888,939.91 Y-508,020.78 El. 1255.371 ft.
29-B-37-TT-1934;Comanche Co., 10.25 mi.N. of "D" St. Lawton;2.5 mi.E. of US Hwy. #277;3 ft.W. of fence at Ft.Sill Military Reservation directly opposite fence line to sections 4 and 9, T&N,R11W;USC&GS & State Marker;Ft.Sill Tri.Sta."H" N. of Reservation in azimuth 56°39'08";C/L chimney on white house, hip roof in azimuth 134°53'43".
- X-1,894,315.44 Y-517,035.55 El. 1287.291 ft.
29-B-38-TT-1934;Comanche Co., 11.25 mi.N. of "D" St.,Lawton;is U.S.E.D.Tri.Sta. K at Ft.Sill;3.25 ft.E. of US Hwy.#277;300 ft.S. of sec.line road mutual to reservation and sec.34;bolt set in conc.with large tripod above;Ft.Sill Tri.Sta."F" in azimuth 2°33'08";C/L E.water tower,Lawton, in azimuth 14°17'58";Ft.Sill Tri.Sta. "H" N. of Reservation in azimuth 54°53'18".
- X-1,898,124.56 Y-521,343.62 El. 1333.808 ft.
29-B-39-TT-1934;Comanche Co., 11.75 mi.N. of "D" St.Lawton;in NW cor.sec.35,T&N R11W;3.5 mi.E. of US Hwy.#277, 3 ft.W. of R/W fence;30 ft.S.100 ft.E. of small unpainted tin roofed dwelling house;USC&GS & State Marker;Ft.Sill Tri."H" N. of reservation in azimuth 51°45'14";C/L Apache Water Tower in azimuth 168°17'24";C/L Fletcher Water Tower in azimuth 235°45'44".
- X-1,899,645.65 Y-524,248.37 El. 1341.340 ft.
29-B-40-TT-1934;Comanche Co., 13 mi.N. of "D" ST.Lawton;1355 ft.W. of SE cor.sec. 26,T&N,R11W;3 ft.W. of R/W fence;3.5 mi.E. of jct.US Hwys.#277 & #62;1.5 mi.W. of SL & SFRR at Elgin;34 ft.W. of drive to two story frame farm dwelling;USC&GS & State Marker;C/L Apache Water Tower about 6 mi. in azimuth 162°10'29";C/L E.chimney white dwelling about 1½ mi. in azimuth 214°13'19";C/L belfry Catholic Church,Elgin, in azimuth 281°56'34".
- X-1,903,524.48 Y-527,514.47 El. 1273.789 ft.
29-B-41-TT-1934;Elgin,Comanche Co.,95.4 ft.W. of intersection of US Hwy.#277 (extended) and W.rail of SL&SF RR;143.5 ft.E. of Sheerfold Filling Sta.;USC&GS & State Marker;C/L E.chimney white house in azimuth 167°21'37";C/L chimney on SL&SF RR Depot in azimuth 222°25'47".
- X-1,912,123.43 Y-527,429.41 El. 1290.078 ft.
29-B-42-TT-1934;Comanche Co., 2.75 mi.SW of Fletcher;60 ft.E. of C/L US Hwy.#277; in R/W of SL&SF RR;in telephone pole line 25 ft.N. of sec.post S. of MP 613-15; USC&GS & State Marker;C/L chimney white house in azimuth 14°58'39";C/L chimney white bungalow with green roof in azimuth 56°22'19";C/L church belfry,Elgin, in azimuth 210°22'09".
- X-1,917,438.41 Y-531,869.47 El. 1316.114 ft.
29-B-43-TT-1934;Comanche Co., 2.0 mi.SW of Fletcher;in sec.21,T&N,R10W;40 ft.E. of C/L US Hwy.#277 on a curve;in R/W common to said hwy. and SL&SF RR;in tele.line 50 ft.E. of second post E. of MP 612-20;150 ft.SW of lone cottonwood tree;USC&GS & State Marker;C/L belfry Catholic Church,Elgin, in azimuth 48°15'45";C/L chimney 2 story white house on hill in azimuth 168°38'00";C/L chimney on white house in azimuth 293°11'05".
- X-1,921,857.63 Y-534,269.57 El. 1347.608 ft.
29-B-43-A;Comanche Co., 1.5 mi.SW of Fletcher;40 ft.E. of C/L Hwy.#277;in R/W common to said hwy. and SL&SF RR;opposite MP 612;bolt set in concrete.
- X-1,923,254.23 Y-536,372.08 El. 1393.065 ft.
29-B-44-TT-1934;Comanche Co., 1 mi.S. of Fletcher;in sec.16,T&N,R10W;where P.T. of SL&SF RR extended cuts sec.line road;3 ft.S. of R/W fence;115 ft.W. of C/L US Hwy. #277;USC&GS & State Marker;C/L Fletcher Water Tower in azimuth 21°36'39";peak of hip on 2 story white house in azimuth 316°22'59";C/L E.chimney on white house in azimuth 352°57'54".
- X-1,923,666.18 Y-538,073.88 El. 1379.153 ft.
29-B-45-TT1934;Comanche Co., 1.0 mi.N. of Main St. & intersection of US Hwy.#277; 800 ft.S. of conc.culvert on said hwy;at P.I. of curve on SL&SF RR;USC&GS & State Marker;C/L Fletcher Water Tower in azimuth 11°27'40";C/L Apache Water Tower in azimuth 119°24'50";peak of hip roof on 2 story white dwelling house in azimuth 134°24'55".
- X-1,928,122.62 Y-546,295.28 El. 1401.635 ft.
29-B-46-TT-1934;Comanche Co., 2.0 mi.N. of Fletcher;in sec.3,T&N,R10W;50 ft.E. of C/L Hwy.#277;in tele.line 10 ft.S. of first post N. of MP 609-15;USC&GS & State Marker;C/L Fletcher Water Tower in azimuth 9°12'24";C/L Apache Water Tower in azimuth 115°56'34";C/L Water Tower in azimuth 208°02'19"; at Cyril.

- X-1,928,387.01 Y-549,063.44 El. 1413.844 ft.
 29-B-47-TT-1934;Comanche Co., 3.1 mi. NE of Fletcher; on W. side of sec. 35, T5N, R9W; 50 ft. E. of C/L US Hwy. #277; 45 ft. W. of W. rail SL&SF RR; 6 ft. N. of MP 608-10; USC&GS & State Marker; C/L Fletcher Water Tower in azimuth 12°50'18"; C/L chimney white house with hip roof, in azimuth 198°49'38"; C/L Cement water tank in azimuth 226°07'28".
- X-1,930,049.71 Y-554,663.11 El. 1389.434 ft.
 29-B-47-A; Comanche Co., 4.35 mi. NE of Fletcher; 370 ft. N. of 2nd. conc. culvert N. of NE cor. sec. 35, T5N, R9W; 57 ft. E. of E.R/W fence US Hwy. #277; on tangent produced N. of W. rail SL&SF RR; bolt set in conc. 1.5 ft. below surface.
- X-1,933,410.50 Y-560,267.24 El. 1342.410 ft.
 29-B-48-TT-1934; Caddo Co., 5.3 mi. NE of Fletcher; 0.3 mi. NE of steel truss bridge on creek 5 mi. NE of Fletcher; 30 ft. W. of C/L US Hwy. #277; USC&GS & State Marker; C/L Fletcher Water Tower in azimuth 23°33'26"; C/L chimney white house with hip roof in azimuth 168°54'56"; C/L Cyril Water Tower in azimuth 206°19'31".
- X-1,936,399.28 Y-563,749.08 El. 1338.167 ft.
 29-B-49-TT1934; Caddo Co., in C/L 3rd St. produced S. in S. edge of Cyril; in sec. 24, T5N, R10W; in R/W of SL&SF RR; 30 ft. SW of 1st post SW of MP 605-10; USC&GS & State Marker; C/L Cyril Water Tower in azimuth 16°42'51"; C/L Fletcher Water Tower in azimuth 27°05'06" C/L chimney white house with hip roof in azimuth 126°24'16".
- X-1,939,451.60 Y-566,677.02 El. 1351.909 ft.
 29-B-50-TT-1934; Caddo Co., approx. on C/L 3rd St. produced N. in Cyril; in sec. 13, T5N, R10W; on N. side of road, 2 ft. S. of R/W fence; NE of SW Light & Power Co., Sub-Station; USC&GS & State Marker; C/L Cyril Water Tower in azimuth 32°30'03"; C/L chimney white house in azimuth 209°35'03"; C/L chimney white house in azimuth 239°24'48".
- X-1,939,468.76 Y-569,704.66 El. 1366.482 ft.
 29-B-51-TT-1934; Caddo Co., 1 mi. NW of Cyril; in sec. 18, T5N, R9W; 15.6 ft. W. of W. rail SL&SF RR; 10 ft. S. of 2nd pole S. of MP 604; USC&GS & State Marker; C/L Fletcher Water Tower in azimuth 29°53'18"; C/L Cement water tower in azimuth 234°24'58"; C/L white house in azimuth 314°31'43".
- X-1,943,842.61 Y-571,742.14 El. 1370.140
 29-B-52-TT-1934; Caddo Co., 2.25 mi. SW of Cement; in sec. 8, T5N, R9W; 219 ft. E. of E.R/W fence, US Hwy. #277; in line with SL&SF RR MP 603; 300 ft. SE of pole 535; USC&GS State Marker; buried 18" below surface; C/L Fletcher Water Tower in azimuth 31°59'26"; C/L Cyril Water Tower in azimuth 52°08'46"; C/L Cement Water Tower in azimuth 238°21'26".
- X-1,947,722.50 Y-575,673.82 El. 1424.484 ft.
 29-B-53-TT-1934; Caddo Co., 0.5 mi. S. of First St. Cement; in sec. 9, T5N, R9W; 30 ft. S., 15 ft. E. of P.I. of curve on US Hwy. #277; 1 ft. E. of E.R/W fence, on tangent produced S. from E. side of road; USC&GS & State Marker; C/L Fletcher Water Tank in azimuth 37°37'46"; Cyril Water Tower in azimuth 57°09'06"; Cement Water Tank in azimuth 229°30'06".
- X-1,955,411.18 Y-579,479.94 El. 1489.933 ft.
 29-B-54-TT-1934; Caddo Co., 0.2 mi. SW of First St., Cement; in sec. 4, T6N, R9W; in R/W of US Hwy. #277 and SL&SF RR on tangent produced N. from W. side of hwy.; 48 ft. E. of E. rail of track; 84 ft. N. of MP 600; C/L Cement Water Tower in azimuth 237°59'29"; Kechi Tri. Sta. in azimuth 243°59'09".
- X-1,956,224.80 Y-580,887.16 El. 1469.938 ft.
 29-B-55-TT-1934; Cement, Caddo Co., on R/W of Frisco RR; 45 ft. NE of 3rd tele. pole SW of MP 599.25; 4 ft. from W. rail and on tangent produced W. from S. side of Hwy. #277; USC&GS & State Marker; Cement Water Tank in azimuth 246°20'11"; Kechi Tri., Sta., 254°13'42"; C/L steeple, Methodist Church, Cement in azimuth 256°59'36".
- X-1,956,961.33 Y-581,791.62 El. 1456.619 ft.
 29-B-56-TT-1934; Cement, Caddo Co., 22 ft. N. of C/L Hwy. #277; 54 ft. W. of C/L of "E" St. near intersection; USC&GS & State Marker; C/L steeple Methodist Church, Cement, in azimuth 130°09'00".
- X-1,959,223.54 Y-581,821.83 El. 1479.878 ft.

Traverse 29-C -- Caddo & Grady Counties.

21-K-3 to 20-D-15

South Projection.

21-K-3; see Traverse 21-K.

29-C-1-TT-1936; Caddo Co., 15.0 mi. S., 0.2 mi. E. of Carnegie; 1167.6 ft. E. 26.5 ft. N. of approx. SW cor. sec. 20, T5N, R13W; 26.5 ft. N. of C/L OK Hwy. #54; in range of field fence N. and E. post of pasture gate; OSCC Marker; C/L W. apex 1 story yellow farmhouse about 1.5 mi. in azimuth 200°38'36"; NW cor. large rock fireplace about 0.25 mi. in azimuth 317°01'21"; C/L S. apex 2 story brick farmhouse about 0.5 mi. in azimuth 148°05'51".

X-1,820,626.05 Y-564,958.93 El. 1717.582 ft.
 29-C-2-TT-1936; Caddo Co., 15.0 mi. S., 1.4 mi. E. of Carnegie; near NW cor. NE NE NW, sec. 28, T5N, R13W; 31.3 ft. S. of C/L OK Hwy. #54; in NW cor. of field; 405 ft. E. and 3.9 ft. S. of field and S. R/W fence cor. about 100 yds. N. of small yellow farmhouse S. of road; OSCC Marker; C/L E. apex 2 story brick farmhouse about 1 mi. in azimuth 109°24'58" C/L W. apex 1 story yellow farmhouse about 480 ft. in azimuth 2°17'58".

- X-1,826,781.93 Y-564,886.93 El.1669.197 ft.
 29-C-3-TT-1936;Caddo Co.,15.0 mi.S,2.65 mi.E.of Carnegie;near SW cor.SW SE sec. 22,T5N,R13W;0.35 mi.W.of "T"road junction about 11 mi.W.of Apache via OK Hwy.#54; 25.3 ft.N.of its C/L;in range of field fence SW to large barn about 100ft.S;S.of mail box of J.O.Lovett;OSCC Marker;C/L E.apex large two story brick farmhouse about 2 mi.in azimuth 100°31'32"; C/L E.apex 1 story farmhouse about 3/4 mi. in azimuth 125°42'32"; C/L W.apex small 1 story cottage about 1/2 mi.in azimuth 271°34'15".
- X-1,833,731.94 Y-564,891.31 El.1631.271 ft.
 29-C-4-TT-1936;Caddo Co.,15.0 mi.S.3.9 mi.E.of Carnegie;10.0 mi.W.of Apache; via OK Hwy.#54;near NW cor.SW NE sec.23,T5N,R13W;on SE end of limestone hill about hill about 200 yds.N.of road;large cairn of lime rock built at edge of hill near monument;OSCC Marker;C/L N.apex white schoolhouse about 2 mi.in azimuth 66°33'15"; C/L W.apex red barn about 3 mi.in azimuth 213°49'50";C/L top water tower,Cyril,dis. 2.0 mi.in azimuth 269°31'50".
- X-1,838,359.16 Y-568,020.04 El.1667.418 ft.
 29-C-5-TT-1936;Caddo Co.,9.0 mi.W.of Apache;near SE cor.SW sec.13,T5N,R13W;N. of OK Hwy.#54,near property line about 200 yds.W.of white farmhouse N.of HW;OSCC Marker;C/L S.apex light green farmhouse about 3/4 mi.in azimuth.224°20'14" ;C/L top water tower Apache about 8 mi.in azimuth 261°49'27" ;SW cor.nearest 1 1/2 story white farmhouse about 300 ft.in azimuth 294°45'57" .
- X-1,842,293.05 Y-570,060.66 El.1558.823 ft.
 29-C-6-TT-1936;Caddo Co.,0.5 mi.N.7.6 mi.W.of Apache;near SW cor.E 1/2 NE NE sec. 19,T5N,R13W;about 0.25 mi.S.of OK Hwy.#54 and small rock crusher and quarry;on N. flank of most easterly limestone hill along road from crusher;follow up draw about 0.15 mi.then sharp turn right on dim trail up to saddle in hill;turn sharp left about 100 yds.to monument;0.33 mi.from gate of crusher;OSCC Marker;C/L S.apex 1 story blue farmhouse about 1 mi.in azimuth 135°26'46" ;C/L S.apex sharp top 1 story weathered white farmhouse about 1 mi.in azimuth 201°69'33" ;C/L top of water tower,Apache,about 5 mi.in azimuth 271°34'01".
- X-1,850,244.17 Y-568,526.60 El.1508.313 ft.
 29-C-7-TT-1936;Caddo Co.,0.5 mi.S,7.0 mi.W.of Apache;near NE cor.NW sec.29,T5N, R12W;57 ft.NE of NE cor.concrete porch yellow farmhouse;3.0 ft.S.of E-W yard fence; OSCC Marker;C/L S.apex 1 story white farmhouse about 400 ft.in azimuth 183°24'48"; C/L W.apex 1 story light yellow farmhouse about 1 mi.in azimuth 225°57'13" ;C/L N. apex white farmhouse only gable showing,about 1/2 mi. in azimuth 6°10'23" .
- X-1,853,472.05 Y-564,617.04 El.1471.870 ft.
 29-C-8-TT-1936;Caddo Co.,0.5 mi.S,6.25 mi.W.of Apache;near SW cor.SE SW sec. 21,T5N,R12W;in SW cor.of field;3.0 ft.N,3.0 ft.E.of E.yard fence cor.at white-green roofed farm house N.of road;near SW cor.board small 1 story yellow house about .04 mi.in azimuth 219°51'50" ; NW cor. board small white farmhouse about .03 mi.in azimuth 287°46'48" ; C/L apex large 2 story white house about 250 ft.in azimuth 32°53'13".
- X-1,857,481.39 Y-564,699.06 El.1440.825 ft.
 29-C-9 TT 1936; Caddo Co., 0.5 mi.S, 5.5 mi.W. of Apache; at NW cor.sec 27, T5N,R12W; 5.5 ft.S, 5.0 ft.E. of SE R/W fence cor.post. OSCC Marker. C/L S. apex large 2 story white farmhouse about 1/2 mi.in azimuth 169°35'58"; SW cor. large 2 story rock farmhouse with red tile roof about 1 mi.in azimuth 299°17'53" ; C/L N. apex large 2 story brown house about 1 mi.in azimuth 26°57'19" .
- X-1,861,505.96 Y-564,647.91 El.1404.138 ft.
 29-C-10 TT 1936; Caddo Co., 0.5 mi.S, 4.0 mi.W. of Apache; near SW cor. SE, sec.23,T5N,R12W; 32.0 ft.N. C/L sec.line road; in SW cor. of field; 4.2 ft.N, 2.4 ft.E. of field and N. R/W fence cor. OSCC Marker; C/L S.apex 1 story weathered farmhouse about 1 mi.in azimuth 127°22'57" ; C/L top of Apache water tower about 4.0 mi.in azimuth 262°41'47" ; C/L N. apex large brown bungalow about 1 mi.in azimuth 305°03'57";
- X-1,869,387.75 Y-564,688.47 El.1357.019 ft.
 29-C-11 TT 1936; Caddo Co., 0.5 mi.S, 3.0 mi.W. of Apache; near NW cor.NE, sec.25,T5N,R12W; 31.0 ft.S. of C/L, sec.line road; in range with 1/2 sec. field fence to N. 3.0 ft.S, 15 ft.E.of E.gate post in field, S. R/W fence. OSCC Marker. C/L S. apex 2 story white farmhouse about 3/4 mi.in azimuth 153°29'39" C/L top, water tower,Apache,about 2 1/2 mi.in azimuth 260°00'59"; C/L N. apex 1 story white farm bungalow about 1/2 mi.in azimuth 324°45'17".
- X-1,874,675.77 Y-564,600.00 El.1339.871 ft.
 29-C-12 TT 1936; Caddo Co., 0.5 mi.S, 2.34 mi.W.of Apache; near SE cor.SW,SW, sec.19,T5N,R11W; N.of E-W sec.line road and in range of W.side 1 1/2 story yellow farmhouse S.of road; 2.5 ft.S, of N.R/W fence. OSCC Marker. C/L S.apex 1 story white house near red barn with cupola in azimuth 213°21'15" Apex Apache water tower about 1.5 mi.in azimuth 257°33'30" NE cor. board large yellow 2 story farmhouse about 325 ft.in azimuth 346°36'15".
- X-1,878,176.65 Y-564,655.88 El.1312.516 ft.
 20-C-13 TT 1936; Caddo Co., 0.7 mi.S. 0.5 mi.E. of Apache; near NE cor. sec. 28,T5N,R11W; 15.0 ft. S, 3.0 ft. W. of tele.pole SW of intersection. OSCC Marker. C/L Apache water tower about 0.5 mi.in azimuth 140°56'04"; C/L E.apex 1 story yellow farmhouse about 1.25 mi.in azimuth 217°40'59"; C/L top Fletcher water tower

- about 7.0 mi. in azimuth $301^{\circ}47'39''$.
 X- 1,893,062.80 Y- 564,487.98 El. 1323.167 ft.
 29-C-14 TT 1936; Caddo Co., 0.7 mi. S, 2.35 mi. E. of Apache; near SE cor. SW, SE, SE, sec. 22, T5N, R11W; N. of E-W co. road; W. side private drive N. OSCC Marker. SE cor. board 1 story square white farmhouse about 325 ft. in azimuth $159^{\circ}25'40''$; C/L S. apex $1\frac{1}{2}$ story white farmhouse about 0.35 mi. in azimuth $225^{\circ}01'52''$; C/L top Fletcher water tower in azimuth $311^{\circ}01'15''$.
- X- 1,902,823.86 Y- 564,585.80 El. 1395.028 ft.
 29-C-15 TT 1936; Caddo Co., 0.7 mi. S, 3.5 mi. E. of Apache; near SE cor. sec. 24, T5N, R11W; in SE cor. of field. OSCC Marker. SW cor. board small white farm bungalow about 0.25 mi. in azimuth $171^{\circ}44'40''$; C/L top Cyril water tower about 7.0 mi. in azimuth $261^{\circ}53'55''$; C/L Fletcher water tower about 7.0 mi. in azimuth $319^{\circ}08'15''$.
 X- 1,908,928.22 Y- 564,558.41 El. 1381.554 ft.
- 29-C-16 TT 1936; Caddo Co., 0.7 mi. S, 5.7 mi. E. of Apache; near NE cor. NW, NW, sec. 28, T5N, R10W; Via US Hwy. #277 and E-W sec. line road; 28 ft. S. of C/L said road and in range of E. side square yellow farmhouse N. of road; 37.5 ft. E. of W. farm lot fence. OSCC Marker. SE cor. small white farmhouse about 0.75 mi. in azimuth $161^{\circ}24'57''$; C/L Cyril water tower about 2.75 mi. in azimuth $256^{\circ}44'57''$; C/L N. apex weathered farmhouse about 1.0 mi. in azimuth $310^{\circ}42'32''$.
 X- 1,920,359.96 Y- 564,457.25 El. 1407.255 ft
- 29-C-17 TT 1936; Caddo Co., 1.09 mi. S, 1.48 mi. W. of Cyril Via US #277 and E-W sec. line road; 24 ft. N. of C/L and in range of W. side yellow farmhouse & yard fence S. of road. OSCC Marker. C/L S. apex small cream colored farmhouse about 0.25 mi. in azimuth $210^{\circ}57'17''$; C/L Cyril water tower about 2 mi. in azimuth $245^{\circ}29'12''$; C/L W. apex 1 story weathered farmhouse about 0.4 mi. in azimuth $296^{\circ}40'37''$
 X- 1,929,325.74 Y- 564,453.58 El. 1356.675 ft.
- 29-C-18 TT 1936; Caddo Co., 1.09 mi. S, 0.15 mi. W. of Cyril; near NE cor. NW, NW, sec. 25, T5N, R10W; Via US Hwy. #277 and E-W sec. line road; 34.5 ft. S. of C/L; in NW cor. small garden tract at farmhouse S. of road; 5.3 ft. E, 4.1 ft. S. of NW fence cor. OSCC Marker. C/L E. apex 2 story slate gray farmhouse about 1 mi. in azimuth $131^{\circ}00'09''$; C/L ball on top Cyril water tower about $1\frac{1}{4}$ mi. in azimuth $213^{\circ}11'09''$; C/L N. apex small farmhouse about 1.25 mi. in azimuth $300^{\circ}05'49''$.
 X- 1,935,980.66 Y- 564,349.93 El. 1345.161 ft.
- 29-C-19 TT 1936; Caddo Co., 1.09 mi. S, 0.4 mi. E. of Cyril; near SE, SW, SE, sec. 24, T5N, R10W; Via US Hwy. #277 and E-W sec. line road; 29.5 ft. N. of C/L, on top of first small gyp hill E of SL&SF RR; 28.8 ft. W. of field fence N. of road. OSCC Marker. C/L Cyril water tower about 1 mi. in azimuth $180^{\circ}15'16''$; C/L W. apex yellow farmhouse about 0.75 mi. in azimuth $246^{\circ}14'51''$; C/L Fletcher water tower about 6 mi. in azimuth $27^{\circ}24'06''$
 X- 1,938,885.28 Y- 564,384.30 El. 1347.619 ft.
- 29-C-20 TT 1936; Caddo Co., 0.9 mi. S, 1.33 mi. E. of Cyril; near NE cor. NW, NE, NW, sec. 29, T5N, R9W; 131 ft. S. of C/L E-W sec. line trail; on top of gyp hill; OSCC Marker. C/L Cyril water tower about 2.25 mi. in azimuth $117^{\circ}36'36''$; C/L W. apex yellow farm bungalow about 0.65 mi. in azimuth $206^{\circ}45'46''$; C/L W. apex yellow farm bungalow about 0.35 mi. in azimuth $306^{\circ}30'41''$.
 X- 1,947,518.05 Y- 564,316.34 El. 1363.131 ft.
- 29-C-21 TT 1936; Caddo Co., 0.9 mi. S, 2.25 mi. E. of Cyril; near SW cor. SE, SW, sec. 21, T5N, R9W; on top of high gyp hill N. of E-W sec. line road. OSCC Marker. C/L ball on Cyril water tower about 2 mi. in azimuth $108^{\circ}09'20''$; C/L top of Cement water tower about 5 mi. in azimuth $200^{\circ}36'02''$; C/L W. apex S. View School House about $2\frac{1}{4}$ mi. in azimuth $255^{\circ}54'50''$.
 X- 1,952,405.91 Y- 564,393.33 El. 1410.750 ft.
- 29-C-22 TT 1936; Caddo Co., 0.9 mi. S, 4.15 mi. E. of Cyril; 3.6 mi. S, 0.6 mi. W. of Cement; near NE cor. NW, NW, NW, sec. 26, T5N, R9W; 250 ft. S. of C/L E-W sec. line road; at N. end of high gyp hill. OSCC Marker. C/L ball on Cyril water tower about $5\frac{1}{2}$ mi. in azimuth $101^{\circ}29'07''$; C/L S. apex 1 story white house about 1 mi. in azimuth $193^{\circ}53'57''$; C/L N. apex 1 story weathered farmhouse about 1 mi. in azimuth $337^{\circ}14'07''$.
 X- 1,962,304.10 Y- 564,066.05 El.
- 29-C-23 TT 1936; Caddo Co., 3.6 mi. S, 1.25 mi. E. of Cement; near center of E. line SE, SW, SE, sec. 25, T5N, R9W; 350 ft. N. of C/L E-W sec. line road; on top of gyp hill; about $\frac{1}{2}$ mi. NW of group of farm bldgs. in valley S. of road; 1.25 mi. W. of Cotton Wood School House. OSCC Marker. C/L E. apex 1 story white farmhouse about $\frac{3}{4}$ mi. in azimuth $102^{\circ}07'25''$; C/L W. apex 1 story white farmhouse about $\frac{3}{4}$ mi. in azimuth $290^{\circ}12'25''$; C/L E. apex S. View School about $\frac{3}{4}$ mi. in azimuth $51^{\circ}14'50''$.
 X- 1,965,117.16 Y- 564,678.44 El. 1451.914 ft.
- 29-C-24 TT 1936; Grady Co., 3.6 mi. S, 3.5 mi. E. of Cement; near SW, cor. sec. 20, T5N, R5W; N. of E-W sec. road; 1.0 mi. E. of Cotton Wood School; 7.0 mi. W. of Agawam School, on US Hwy. #81; NW of "H" poles in transmission line N. of road. OSCC Marker. C/L top of Cement stand pipe tank about 6 mi. in azimuth $135^{\circ}22'41''$. C/L S. apex 1 story weathered white farm cottage about $1\frac{1}{2}$ mi. in azimuth $232^{\circ}24'11''$; C/L W. apex 1 story weathered farmhouse about 2 mi. in azimuth $312^{\circ}04'26''$
 X- 1,977,599.73 Y- 564,331.22 El. 1405.919 ft.
- 29-C-25 TT 1936; Grady Co., 3.6 mi. S, 4.35 mi. E. of Cement; near SW cor. SE,

SE, sec. 20, T5N, R8W; 251 ft. N. of C/L E-W sec. line trail, on sand hill; 18 ft. W. of field fence S. of trail; 6.25 mi. W. of Agawam School on US Hwy. #81; 1.54 mi. W. of Kechi School. OSCC Marker. C/L S. apex small 1 story white farmhouse about $\frac{1}{2}$ mi. in azimuth $225^{\circ}39'31''$; C/L W. apex gray bungalow (S. one of four), about $2\frac{1}{2}$ mi. in azimuth $286^{\circ}04'21''$; C/L W. apex 1 story unpainted farmhouse about 2 mi. in azimuth $323^{\circ}11'31''$.

X- 1,981,456.27 Y- 564,279.21 El. 1350.811 ft.

29-C-26 TT 1936; Grady Co., 7.3 mi. N. 5.31 mi. W. of Rush Springs; near NE cor. NW, NE, sec. 28, T5N, R6W; 5.31 mi. W. of Agawam School, on US Hwy. #81; 0.6 mi. W. of Kechi School; set in S. shoulder of road, about 8" below road surface; 14.5 ft. N. 6 ft. W. of 6" blazed oak (one of three in close clump) in S. side R/W; 21 ft. N. of S. R/W fence; 15.0 ft. N. of iron rod in ground. OSCC Marker; C/L S. apex $1\frac{1}{2}$ story white house about 1 mi. in azimuth $188^{\circ}33'32''$; C/L W. apex 2 story unpainted farmhouse about 1 mi. in azimuth $226^{\circ}16'35''$; C/L N. apex light painted 1 story farmhouse about $1\frac{1}{2}$ mi. in azimuth $320^{\circ}46'22''$.

X- 1,986,012.17 Y- 564,236.73 El. 1279.834 ft.

29-C-27 TT 1936; Grady Co., 7.3 mi. N. 2.75 mi. W. of Rush Springs; 2.75 mi. W. of Agawam School on US Hwy. #81; 64.5 ft. N. of C/L E-W sec. line road and 52.0 ft. W. of 98th Meridian; (jog in road); 3.0 ft. E. of field fence N. of road; about $\frac{1}{2}$ mi. SE of gas compressor and small gasfield camp of Okla. Nat. Gas Co., OSCC Marker. C/L S. apex 2 story white house about 1 mi. in azimuth $163^{\circ}28'56''$; C/L S. apex 1 story white farm cottage about 1 mi. in azimuth $243^{\circ}24'36''$; W. end apex of roof weathered farmhouse about $\frac{1}{4}$ mi. in azimuth $352^{\circ}25'06''$.

X- 1,999,799.21 Y- 564,287.75 El. 1240.998 ft.

29-C-28 TT 1936; Grady Co., 7.3 mi. N. 1.9 mi. W. of Rush Springs; near SE cor. SW, SW, SW, sec. 19, T5N, R7W; 1.9 mi. W. of Agawam School on US Hwy. #81; 18.7 ft. N. of C/L E-W sec. line road. OSCC Marker. C/L S. apex $1\frac{1}{2}$ story weathered white farmhouse about $1\frac{1}{2}$ mi. in azimuth $144^{\circ}17'41''$; C/L S. apex 1 story weathered white farmhouse about $\frac{3}{4}$ mi. in azimuth $207^{\circ}37'59''$; NW cor. sharp top 1 story weathered white house about $\frac{1}{2}$ mi. in azimuth $311^{\circ}18'14''$.

X- 2,004,137.89 Y- 564,330.51 El. 1252.136 ft.

29-C-29 TT 1936; Grady Co., 7.3 mi. N. 1.25 mi. W. of Rush Springs; near NW cor. NE, NE, sec. 30, T5N, R7W; 1.25 mi. W. of Agawam School on US Hwy. #81; 32.7 ft. S. of C/L E-W sec. line road; 3 ft. NW of field fence cor. on top of 4.0 ft. red sandstone outbank. OSCC Marker. C/L S. apex $1\frac{1}{2}$ story white farmhouse about $\frac{1}{2}$ mi. in azimuth $194^{\circ}10'27''$; C/L W. apex large 1 story unpainted farmhouse about 1 mi. in azimuth $285^{\circ}21'17''$; C/L N. apex unpainted house in oak brush about $\frac{1}{2}$ mi. in azimuth $334^{\circ}11'50''$.

X- 2,007,775.71 Y- 564,266.88 El. 1225.035 ft

The balance of this traverse will appear in S.E. Section.

Traverse 29-D. -- Comanche & Grady Counties
29-B-38 to Turkey Tri., Station.
South Projection.

29-B-38 TT 1936; See Traverse 29-B.

29-D-1 TT 1936; Comanche Co., 10.25 mi. N. of "D" St. Lawton; 2.0 mi. S. 2.4 mi. W. of Elgin; near SE, cor. SE, sec. 3, T3N, R11W; 3.1 mi. E. of US Hwy. #277; on Ft. Sill Military Reservation; 1.0 mi. S. 32.5 ft. E. of boundary mon. at NW cor. of "Arbuckle Range"; 5.0 ft. N. of range of E-W sec. line fence to W. from W. boundary of Ft. Sill; on top of flat knoll; OSCC Marker set flush with ground. C/L S. end comb roof unpainted bungalow about 2 mi. in azimuth $154^{\circ}59'21''$; C/L S. end comb roof on $1\frac{1}{2}$ story white farmhouse about 2 mi. in azimuth $216^{\circ}15'31''$.

X- 1,897,563.25 Y- 517,035.97 El. 1312.007 ft.

29-D-2 TT 1936; Comanche Co., 2.0 mi. S. 0.8 mi. W. of Elgin; 625 ft. W. of SW cor. sec. 1, T3N, R11W; in "N. Arbuckle Range" of Ft. Sill Military Reservation about 0.85 mi. SE of dam of water tank; which is just W. of SL&SF RR; reached via road from W. side of Elgin; 1.0 mi. to gate at RGP #19; thence about 1.25 mi. SW along graded road to point 625 ft. W. of sec. cor. set-stone; thence 2340 ft. E, 50 ft. N. to station which is on slope of rolling pasture land. OSCC Marker. C/L S. end comb roof on $1\frac{1}{2}$ story white house about $1\frac{1}{2}$ mi. in azimuth $149^{\circ}24'01''$; C/L W. end comb roof on $1\frac{1}{2}$ story yellow house about 4 mi. in azimuth $272^{\circ}24'08''$; cor. stone to secs. 1, 2, 11, 12 in azimuth $89^{\circ}16'26''$.

X- 1,907,203.23 Y- 516,994.42 El.

29-D-2-A TT 1936; Comanche Co., 1.8 mi. S. of Elgin; near NW cor. SE, SW, sec. 6, T3N, R10W; in NE part of "N. Arbuckle Range"; Ft. Sill Military Res. about 3800 ft. W. of E. boundary of Res; 1165 ft. N. of range of E-W sec. line road on hills to E. two 3.0 ft. and 1.5 ft. diam raised earth mounds NW & SE of point; large hole is 15.5 ft. N. 5.0 ft. E. of point; Sta. consists of "X" cut in steel rod set in conc. C/L S. dormer W. side $1\frac{1}{2}$ story white house about 1 mi. in azimuth $264^{\circ}30'55''$; C/L W. end comb roof on 1 story white house in azimuth $300^{\circ}10'53''$; C/L spire on W. church

- in Elgin in azimuth 187°38'03".
 X-1,911,203.84 Y-518,031.05 El.
 29-D-3 TT 1936; Comanche Co., 2.0 mi.S, 0.7 mi.E.of Elgin; 4.5 mi.W. of Sterling; near SE cor.SW,SW, sec.5,T3N,R10W; 1.0 mi.S, 0.2 mi.E. of NE cor.Ft.Sill Military Res; 1300 ft.E.of N-S sec.line road; 4.5 ft.E. of N-S field fence at pt. 171 ft. N. of E-W sec.line fence; 280 ft.S.of field fence on N. OSCC Marker. C/L S.apex 1½ story white house about ½ mi.in azimuth 157°01'38"; C/L W.apex 1 story gray bungalow about 1 mi.in azimuth 238°36'38"; W.apex 2 story white house about 1 mi.in azimuth 337°02'40".
 X-1,916,408.72 Y-517,112.74 El. 1260.700 ft
 29-D-4 TT 1936; Comanche Co., 2.0 mi.S, 2.0 mi.E.of Elgin; 4.5 mi.W. of Sterling; near NE cor.NW,sec.9,T3N,R10W; 31.0 ft.S.of C/L E-W sec.line road; in NE cor.pasture; 4.5 ft.S, 6.5 ft.W.of fence cor - half sec.& R/W fence. OSCC Marker; C/L spire white Baptist Church,Elgin,about 3½ mi.in azimuth 131°14'38"; C/L S.apex 1½ story white house about 1 mi.in azimuth 222°36'36"; C/L E.apex 1½ story large farmhouse about ¾ mi.in azimuth 39°59'56".
 X-1,922,989.49 Y-516,837.72 El.
 29-D-5 TT 1936; Comanche Co., 2.0 mi.S, 2.7 mi.E.of Elgin; 0.25 mi.N, 3.8 mi. W.of Sterling; near SE cor.SW,SW,sec.3,T3N,R10W; 31.0 ft.N. of C/L E-W sec.line road just SW of 3 small derricks; 359 ft.W.of field fence N; 479 ft. W.of range of field fence S. OSCC Marker. SE cor. Elgin Public School about 3½ mi.in azimuth 127°47'07"; C/L top of Fletcher water tower about 6 mi.in azimuth 181°03'40"; C/L N.apex cream yellow house about 1/8 mi.in azimuth 32°46'39".
 X-1,926,950.88 Y-516,898.99 El. 1334.025 ft.
 29-D-6 TT 1936; Comanche Co., 2.0 mi.S, 3.9 mi.E.of Elgin; 0.25 mi.N, 2.5 mi. W.of Sterling; near SE cor.SW,sec.2,T3N,R10W; set in E-W sec.line road; 82.0 ft.S. of and in range with E.side small white farmhouse N.of road; 32.5 ft.N.of S. R/W fence; 27.5 ft.NW, 34.0 ft.NE of two 4" blazed oak trees on S.side of road. OSCC Marker 1.0 ft. below surface; SE cor. small 1 story white house about 130 ft. in azimuth 178°12'15"; C/L W. apex weathered yellow 1 story farmhouse about 1½ mi.in azimuth 230°43'28"; C/L top of roof sharp top 1 story farmhouse about 1 mi.in azimuth 33°57'02".
 X-1,933,259.77 Y-516,871.08 El. 1298.453 ft.
 29-D-7 TT 1936; Comanche Co., 0.25 mi.N, 1.0 mi.W.of Sterling; 45.0 ft.E, 43.5 ft.N.of SW cor.sec.6,T3N,R9W; in triangular plot 1.55 ft.SW of C/L OK Hwy. #65 on curve to N.or E. 2.0 ft.S.of tele. pole line on N.side of road; OSCC Marker SE cor. 2 story white farmhouse about ½ mi.in azimuth 170°47'46"; SW cor. sharp top yellow farmhouse about 1 mi.in azimuth 226°19'46"; C/L W. apex 2 story white house about ¾ mi.in azimuth 283°32'58";
 X-1,941,538.00 Y-516,938.68 El. 1225.519 ft.
 29-D-8 TT 1936; Comanche Co., 0.25 mi.N.of Sterling; near NW cor.NW,sec. 8, T3N,R9W; 36.5 ft.S.of C/L E-W sec.line trail; in range of W.side white farmhouse N.of trail; 173 ft.E.of E. R/W fence to street-trail S; 254.5 ft. W. of field fence S. OSCC Marker. C/L top Fletcher water tower about 8 mi.in azimuth 142°28'09" C/L cross top of Catholic Church, Sterling about 2400 ft.in azimuth 280°07'29"; C/L N.apex Baptist Church about ½ mi.in azimuth 314°29'29".
 X-1,947,657.63 Y-516,837.01 El. 1272.987 ft.
 29-D-9 TT 1936; Comanche Co., 2.25 mi.E, 0.25 mi.N. of Sterling; near SE,SW, sec.3,T3N,R9W; 50 ft.N. of C/L E-W co.road; 3.0 ft.S. of N.R/W fence; 4.0 ft.W.of W. fence on 40 ft. private drive to group of farm bldgs. N. of road. OSCC Marker. C/L S.apex 2 story slate gray farmhouse about 275 ft.in azimuth 178°17'09"; C/L S. apex 1 story farmhouse about ¾ mi.in azimuth 226°21'36"; C/L roof peak N.side brown 1 story house S.of hwy. about ¼ mi.in azimuth 14°43'04".
 X-1,959,295.18 Y-516,924.10 El. 1275.421 ft.
 29-D-10 TT 1936; Comanche Co., 3.72 mi.E, 0.25 mi.N. of Sterling; near NE cor. NE,sec.11,T3N,R9W; 49.5 ft.S.of C/L E-W co.road; in range of field fence S; 24.5 ft.E. of range of field fence N; 125 ft.W. of 24" cottonwood tree S.of road. OSCC Marker. C/L W. apex weathered 1 story farm cottage about 400 ft.in azimuth 229° 58'10"; NW cor. sharp top 1 story yellow farmhouse about 1/8 mi.in azimuth 348°10' 52"; C/L N.apex 2 story weathered farmhouse in azimuth 30°06'35".
 X-1,967,086.55 Y-516,825.43 El. 1266.032 ft.
 29-D-11 TT 1936; Grady Co., 6.3 mi.E, 0.25 mi.N. of Sterling; near NE cor. NW sec.8,T3N,R8W; 6.0 mi.W. of US Hwy.#81 at point 2.0 mi.S.of Rush Springs; 33 ft.S. of C/L E-W co. road; 224 ft.W.of field fence S; 85.5 ft.W.of range of field fence N. OSCC Marker.
 X-1,980,584.70 Y-516,978.60 El. 1404.877 ft.
 29-D-12 TT 1936; Grady Co., 7.2 mi.E, 0.25 mi.N. of Sterling; 5.1 mi.W. of US Hwy.#81, at point 2.0 mi.S.of Rush Springs; near NW cor.NW,sec.9,T3N,R8W; 29.5 ft.S.of C/L, E-W co.road; 101 ft.E.of field fence S. 209 ft.W.of range of W.side old farmhouse S.of road. OSCC Marker. C/L S.apex 1½ story gray house about ¾ mi. in azimuth 172°31'46"; C/L N.apex 1 story unpainted farmhouse about ½ mi.in azimuth 30°18'49".
 X-1,985,824,67 Y-516,969.05 El. 1324.526 ft.
 29-D-13 TT 1936; Grady Co., 3.5 mi.W. of US Hwy.#81 at point 2.0 mi.S. of

Rush Springs; 39.0 ft.E. 29.0 ft.N. of approx. SW cor.sec.2,T3N.R6W; S. of scrub oak and blackjack thicket; OSCC Marker. C/L E.apex 1 story white house about 1 mi. in azimuth 121°17'09"; C/L S. apex 1 story weathared house about 3/4 mi.in azimuth 177°23'49"; C/L E.apex large 1 1/2 story unpainted house about 1 1/2 mi.in azimuth 56°33'07".

X-1,994,319.97

Y-517,088.04

El. 1386.444 ft.

29-D-14 TT 1936; Grady Co., 2.8 mi.W.of US Hwy.#81, at point 2.0 mi.S.of Rush Springs; near NE cor.NW,NE,sec.11,T3N,R6W; 33.0 ft.S, of C/L E-W co.road; in NW cor. small orchard, 5.0 ft.E. of W. orchard fence; about 250 ft.NE of small unpainted farmhouse; 4.5 ft. S. of 24" blazed cottonwood tree in S. R/W fence. OSCC Marker. C/L S.apex large white house about 2 1/2 mi.in azimuth 189°25'32"; C/L W. apex large 1 story weathered house about 2 mi.in azimuth 163°27'42"; C/L E. apex unpainted house about 200 ft.in azimuth 67°27'52".

X-1,997,951.68

Y- 517,013.47

El. 1382.441 ft.

29-D-15 TT 1936; Grady Co., 1.55 mi.W. of US Hwy.#81 at point 2.0 mi.S.of Rush Springs; near SE cor.sec.1,T3N,R6W; 34 ft.N.of C/L E-W co., road opposite white farmhouse and buildings S.of road; 4.0 ft.E.of W. gardenfence; 77.0 ft. W. of E. garden fence. OSCC Marker. C/L apex 1 story yellow house about 1 3/4 mi.in azimuth 256°52'45"; NW cor. 1 story blue house about 1/2 mi. in azimuth 315°21'15"; C/L N. apex 1 story white house S.of road about 130 ft. in azimuth 350°51'40".

X- 2,004,721.32

Y- 517,171.63

El. 1330.497 ft

29-D-16 TT 1936; Grady Co., 0.8 mi.W. of US Hwy.#81 at point 3.0 mi.S. of Rush Springs; near NE cor.NW,sec.7,T3N,R7W; 27.0 ft.S.of C/L,E-W co. road and in range of field fence N. 364 ft.W.of field fence S. OSCC Marker. C/L S. apex 1 story weathered house about 3.4 mi.in azimuth 189°13'58"; C/L S. apex 1 story yellow farmhouse about 1/2 mi.in azimuth 230°06'58"; C/L N.apex 1 story red farmhouse about 200 ft. in azimuth 304°19'13".

X- 2,008,389.33

Y- 517,059.93

El. 1369.364 ft

29-D-17 TT 1936; Grady Co., 0.5 mi.W. of US Hwy.#81 at point 2.0 mi.S.of Rush Springs; near SW cor. sec. 5,T3N,R7W; 36.0 ft. N. of C/L E-W co. road; in SW cor. of field; about 100 ft. NW of white farmhouse S. of road; 3.0 ft. N, 7.0 ft. E. of N&E R/W fence cor. post. OSCC Marker. C/L S. apex 1 story yellow farmhouse about 1/4 mi.in azimuth 175°43'17"; C/L N. apex 1 story white farmhouse about 150 ft. in azimuth 328°03'22"; C/L N. apex large unpainted house in scrub oaks about 1/4 mi.in azimuth 356°48'42".

X- 2,010,050.03

Y- 517,121.12

El. 1370.425 ft.

29-A-8 TT 1936; Junction Station. See Traverse 29-A.

Balance of line will appear in SE Sec. Pub.

SUPPLEMENTARY POINTS

BECKHAM COUNTY

Carter Municipal W.T.	X- 1,550,099.65	Y- 689,792.10
Erick Municipal W.T.	X- 1,442,213.76	Y- 687,966.76
Sayre Municipal W.T.	X- 1,511,658.24	Y- 719,766.19
Tip of spire Beckham Co. Ct.House	X-1,511,665.28	Y- 716,476.26

GADDO COUNTY

Carnegie Municipal W.T.	X- 1,819,902.81	Y- 644,347.28
Ft. Cobb Municipal W.T.	X- 1,871,992.52	Y- 649,773.12

COMANCHE COUNTY

U.S. Forest Boundary #9 1904	X- 1,825,707.72	Y- 520,017.83
USCE Tri.Sta. #7. Ft. Sill	X- 1,851,732.46	Y- 484,824.52
USCE Tri.Sta. Signal Mt. Ft. Sill	X- 1,852,567.30	Y- 488,347.64
USCE Tri.Sta. Mt.Gummins, Ft.Sill	X- 1,855,709.19	Y- 509,557.82
C/L Flagpole Indianoma Con. #2	X- 1,773,277.34	Y- 468,706.53
Ft. Sill Municipal W.T.	X- 1,881,795.00	Y- 478,471.38
Cache Municipal W.T.	X- 1,880,691.80	Y- 472,251.35
Chattanooga City Municipal W.T.	X- 1,801,943.98	Y- 396,222.98

COTTON COUNTY

Walters Municipal W.T.	X- 1,905,740.65	Y- 372,546.02
Temple Municipal W.T.	X- 1,927,780.68	Y- 342,415.98

GREER COUNTY

Mangum Municipal W.T.	X- 1,549,108.08	Y- 564,061.88
Brinkman Municipal W.T.	X- 1,545,515.47	Y- 613,915.05
Willow Municipal W.T.	X- 1,546,900.65	Y- 628,605.09

HARMON COUNTY		
Louis High School cupola	X- 1,456,412.11	Y- 451,652.87
Hollis Municipal W.T.	X- 1,425,904.61	Y- 495,421.10
C/L N. chimney Gould High School	X- 1,467,844.36	Y- 489,721.70
JACKSON COUNTY		
Ponderfield airway beacon 1935	X- 1,548,855.39	Y- 573,998.33
Altus W.T. NE cotton gin	X- 1,598,426.07	Y- 482,539.53
Altus Municipal W.T.	X- 1,594,500.77	Y- 475,410.16
Olustee Municipal W.T.	X- 1,572,184.50	Y- 445,121.90
Headrick Municipal W.T.	X- 1,633,988.72	Y- 484,747.45
Eldorado US Gypson W.T.	X- 1,504,394.11	Y- 421,341.36
JEFFERSON COUNTY		
Waurika City W.T.	X- 2,000,605.78	Y- 301,969.12
Ryan High School cupola	X- 2,015,342.80	Y- 251,643.36
Ryan City W.T.	X- 2,015,438.79	Y- 251,901.38
Hastings High School cupola	X- 1,967,247.86	Y- 326,526.26
Hastings Municipal W.T.	X- 1,967,146.67	Y- 326,744.00
KIOWA COUNTY		
Snyder Municipal W.T.	X- 1,714,441.32	Y- 481,830.73
Snyder Cottonseed Oil Mill tank	X- 1,716,076.42	Y- 485,330.44
Mt. View Water Tank	X- 1,777,130.28	Y- 643,091.98
Mt. Park Municipal W.T.	X- 1,714,272.80	Y- 495,519.54
Lone Wolf Municipal W.T.	X- 1,624,637.26	Y- 605,134.00
Hobart Municipal W.T.	X- 1,673,000.76	Y- 618,004.45
Gotebo Municipal W.T.	X- 1,737,296.42	Y- 633,298.63
TILLMAN COUNTY		
Tipton Municipal W.T.	X- 1,656,129.94	Y- 427,882.66
Grandfield Municipal W.T.	X- 1,793,117.19	Y- 325,043.27
Frederick Compress W.T. 1935	X- 1,690,801.94	Y- 383,433.52
Frederick Municipal W.T.	X- 1,691,024.90	Y- 385,961.76
Frederick Compress, E. tank 1935	X- 1,691,468.71	Y- 382,317.08
Devol City Municipal W.T.	X- 1,821,769.52	Y- 312,599.78
WASHITA COUNTY		
Sentinel City Municipal W.T.	X- 1,649,939.53	Y- 665,933.38
Rocky Municipal W.T.	X- 1,683,328.16	Y- 663,828.15
Dome Washita Co. Courthouse, Cordell	X- 1,704,763.48	Y- 713,978.70
STATE OF TEXAS.		
Quanah City Municipal Water Tank	X- 1,475,053.57	Y- 355,968.78
Electra City Municipal W.T.	X- 1,722,007.92	Y- 254,675.73
Byers City Municipal W.T.	X- 1,942,937.75	Y- 267,955.38
Burkburnett Municipal W.T.	X- 1,826,638.06	Y- 278,781.67
C/L Texola Municipal W.T.	X- 1,406,129.49	Y- 692,204.33
Iowa Park City W.T.	X- 1,797,916.97	Y- 225,434.45
Wichita Falls City P&E Co. stack	X- 1,852,597.37	Y- 205,414.75
Wichita Falls State Hospital W.T.	X- 1,840,813.81	Y- 186,370.52
Wichita Falls Aviation Field W.T.	X- 1,832,635.30	Y- 196,584.15
Vernon City, Municipal W.T.	X- 1,610,771.55	Y- 299,206.29

U. S. COAST AND GEODETIC SURVEY

PLANE COORDINATE PROJECTION TABLES

OKLAHOMA

Lambert Projection for Oklahoma (North)

Table I

Lat.	R (feet)	Y' y value on central meridian feet	Tabular difference for 1 sec. of lat. feet	Scale in units of 7th place of logs.	Scale expressed as a ratio
35° 00'	29,082,831.70	0	101.11717	+655.8	1.0001510
01	29,076,764.67	6,067.03	101.11700	+630.6	1.0001452
02	29,070,697.65	12,134.05	101.11667	+605.7	1.0001395
03	29,064,630.65	18,201.05	101.11633	+581.2	1.0001338
04	29,058,563.67	24,268.03	101.11617	+557.0	1.0001283
05	29,052,496.70	30,335.00	101.11583	+533.2	1.0001228
35° 06'	29,046,429.75	36,401.95	101.11550	+509.8	1.0001174
07	29,040,362.82	42,468.88	101.11533	+486.7	1.0001121
08	29,034,295.90	48,535.80	101.11500	+464.0	1.0001068
09	29,028,229.00	54,602.70	101.11483	+441.6	1.0001017
10	29,022,162.11	60,669.59	101.11467	+419.6	1.0000966
35° 11'	29,016,095.23	66,736.47	101.11433	+397.9	1.0000916
12	29,010,028.37	72,803.33	101.11417	+376.6	1.0000867
13	29,003,961.52	78,870.18	101.11400	+355.7	1.0000819
14	28,997,894.68	84,937.02	101.11367	+335.2	1.0000772
15	28,991,827.86	91,003.84	101.11367	+315.0	1.0000725
35° 16'	28,985,761.04	97,070.66	101.11333	+295.1	1.0000679
17	28,979,694.24	103,137.46	101.11333	+275.6	1.0000635
18	28,973,627.44	109,204.26	101.11300	+256.5	1.0000591
19	28,967,560.66	115,271.04	101.11300	+237.8	1.0000548
20	28,961,493.88	121,337.82	101.11283	+219.4	1.0000505
35° 21'	28,955,427.11	127,404.59	101.11267	+201.4	1.0000464
22	28,949,360.35	133,471.35	101.11250	+183.7	1.0000423
23	28,943,293.60	139,538.10	101.11233	+166.4	1.0000383
24	28,937,226.86	145,604.84	101.11233	+149.4	1.0000344
25	28,931,160.12	151,671.58	101.11233	+132.8	1.0000306
35° 26'	28,925,093.38	157,738.32	101.11217	+116.6	1.0000268
27	28,919,026.65	163,805.05	101.11200	+100.8	1.0000232
28	28,912,959.93	169,871.77	101.11200	+85.3	1.0000196
29	28,906,893.21	175,938.49	101.11183	+70.2	1.0000162
30	28,900,826.50	182,005.20	101.11183	+55.4	1.0000128
35° 31'	28,894,759.79	188,071.91	101.11183	+41.0	1.0000094
32	28,888,693.08	194,138.62	101.11183	+27.0	1.0000062
33	28,882,626.37	200,205.33	101.11167	+13.3	1.0000031
34	28,876,559.67	206,272.03	101.11167	0.0	1.0000000
35	28,870,492.97	212,338.73	101.11167	-13.0	0.9999970

Lambert Projection for Oklahoma (North)

Table I (Cont'd)

Lat.	R (feet)	Y ¹ y value on central meridian feet	Tabular difference for 1 sec. of lat. feet	Scale in units of 7th place of logs	Scale expressed as a ratio
35° 36'	28,864,426.27	218,405.43	101.11183	+25.6	0.9999941
37	28,858,359.56	224,472.14	101.11167	-37.8	0.9999913
38	28,852,292.86	230,538.84	101.11167	-49.7	0.9999886
39	28,846,226.16	236,605.54	101.11167	-61.2	0.9999859
40	28,840,159.46	242,672.24	101.11183	-72.3	0.9999834
35° 41	28,834,092.75	248,738.95	101.11183	-83.1	0.9999809
42	28,828,026.04	254,805.66	101.11183	-93.5	0.9999785
43	28,821,959.33	260,872.37	101.11183	-103.5	0.9999762
44	28,815,892.62	266,939.08	101.11200	-113.2	0.9999739
45	28,809,825.90	273,005.80	101.11200	-122.5	0.9999718
35° 46'	28,803,759.18	279,072.52	101.11200	-131.5	0.9999697
47	28,797,692.46	285,139.24	101.11217	-140.1	0.9999677
48	28,791,625.73	291,205.97	101.11233	-148.3	0.9999658
49	28,785,558.99	297,272.71	101.11250	-156.2	0.9999640
50	28,779,492.24	303,339.46	101.11250	-163.7	0.9999623
35° 51'	28,773,425.49	309,406.21	101.11250	-170.8	0.9999607
52	28,767,358.74	315,472.96	101.11283	-177.6	0.9999591
53	28,761,291.97	321,539.73	101.11283	-184.0	0.9999576
54	28,755,225.20	327,606.50	101.11317	-190.1	0.9999562
55	28,749,158.41	333,673.29	101.11317	-195.8	0.9999549
35° 56'	28,743,091.62	339,740.08	101.11333	-201.1	0.9999537
57	28,737,024.82	345,806.88	101.11350	-206.0	0.9999526
58	28,730,958.01	351,873.69	101.11383	-210.6	0.9999515
59	28,724,891.18	357,940.52	101.11383	-214.8	0.9999505
36° 00'	28,718,824.35	364,007.35	101.11417	-218.7	0.9999496
36° 01'	28,712,757.50	370,074.20	101.11433	-222.2	0.9999488
02	28,706,690.64	376,141.06	101.11450	-225.3	0.9999481
03	28,700,623.77	382,207.93	101.11483	-228.1	0.9999475
04	28,694,556.88	388,274.82	101.11500	-230.5	0.9999469
05	28,688,489.98	394,341.72	101.11517	-232.5	0.9999465
36° 06'	28,682,423.07	400,408.63	101.11550	-234.1	0.9999461
07	28,676,356.14	406,475.56	101.11567	-235.4	0.9999458
08	28,670,289.20	412,542.50	101.11600	-236.3	0.9999456
09	28,664,222.24	418,609.46	101.11633	-236.9	0.9999455
10	28,658,155.26	424,676.44	101.11667	-237.1	0.9999454

Lambert Projection for Oklahoma (North)

Table I (Cont'd)

Lat.	R (feet)	Y' y value on central meridian feet	Tabular difference for 1 sec. of lat. feet	Scale in units of 7th place of logs	Scale expressed as a ratio
36° 11'	28,652,088.26	430,743.44	101.11683	-236.9	0.9999455
12	28,646,021.25	436,810.45	101.11717	-236.4	0.9999456
13	28,639,954.22	442,877.48	101.11750	-235.5	0.9999458
14	28,633,887.17	448,944.53	101.11783	-234.2	0.9999461
15	28,627,820.10	455,011.60	101.11800	-232.6	0.9999464
36° 16'	28,621,753.02	461,078.68	101.11850	-230.6	0.9999469
17	28,615,685.91	467,145.79	101.11883	-228.2	0.9999475
18	28,609,618.78	473,212.92	101.11917	-225.5	0.9999481
19	28,603,551.63	479,280.07	101.11950	-222.4	0.9999488
20	28,597,484.46	485,347.24	101.12000	-218.9	0.9999496
36° 21'	28,591,417.26	491,414.44	101.12017	-215.1	0.9999505
22	28,585,350.05	497,481.65	101.12067	-210.9	0.9999514
23	28,579,282.81	503,548.89	101.12117	-206.3	0.9999525
24	28,573,215.54	509,616.16	101.12150	-201.4	0.9999536
25	28,567,148.25	515,683.45	101.12183	-196.1	0.9999548
36° 26'	28,561,080.94	521,750.76	101.12233	-190.4	0.9999562
27	28,555,013.60	527,813.10	101.12267	-184.4	0.9999576
28	28,548,946.24	533,885.46	101.12317	-178.0	0.9999590
29	28,542,878.85	539,952.85	101.12367	-171.2	0.9999606
30	28,536,811.43	546,020.27	101.12400	-164.1	0.9999622
36° 31'	28,530,743.99	552,087.71	101.12450	-156.6	0.9999639
32	28,524,676.52	558,155.18	101.12500	-148.7	0.9999658
33	28,518,609.02	564,222.68	101.12550	-140.5	0.9999677
34	28,512,541.49	570,290.21	101.12600	-131.9	0.9999696
35	28,506,473.93	576,357.77	101.12650	-123.0	0.9999717
36° 36'	28,500,406.34	582,425.36	101.12700	-113.6	0.9999738
37	28,494,338.72	588,492.98	101.12750	-103.9	0.9999761
38	28,488,271.07	594,560.63	101.12800	-93.8	0.9999784
39	28,482,203.39	600,628.31	101.12867	-83.4	0.9999808
40	28,476,135.67	606,696.03	101.12917	-72.6	0.9999833
36° 41'	28,470,067.92	612,763.78	101.12967	-61.4	0.9999859
42	28,464,000.14	618,831.56	101.13017	-49.9	0.9999885
43	28,457,932.33	624,899.37	101.13083	-38.0	0.9999913
44	28,451,864.48	630,967.22	101.13133	-25.7	0.9999941
45	28,445,796.60	637,035.10	101.13200	-13.0	0.9999970

Traverse in Southwestern Oklahoma

Lambert Projection for Oklahoma (North)

Table I (Cont'd)

Lat.	R feet	Y y value on central meridian feet	Tabular difference for 1 sec. of lat. feet	Scale in units of 7th place of logs	Scale expressed as a ratio
36° 46'	28,439,728.68	643,103.02	101.13250	0.0	1.0000000
47'	28,433,660.73	649,170.97	101.13317	+13.4	1.0000031
48'	28,427,592.74	655,238.96	101.13383	+27.2	1.0000063
49'	28,421,524.71	661,306.99	101.13433	+41.3	1.0000095
50'	28,415,456.65	667,375.05	101.13500	+55.8	1.0000128
36° 51'	28,409,388.55	673,443.15	101.13567	+70.7	1.0000163
52'	28,403,320.41	679,511.29	101.13633	+85.9	1.0000198
53'	28,397,252.23	685,579.47	101.13700	+101.5	1.0000234
54'	28,391,184.01	691,647.69	101.13750	+117.5	1.0000271
55'	28,385,115.76	697,715.94	101.13833	+133.8	1.0000308
36° 56'	28,379,047.46	703,784.24	101.13900	+150.5	1.0000347
57'	28,372,979.12	709,852.58	101.13967	+167.6	1.0000386
58'	28,366,910.74	715,920.96	101.14033	+185.1	1.0000426
59'	28,360,842.32	721,989.38	101.14117	+202.9	1.0000467
37° 00'	28,354,773.85	728,057.85	101.14167	+221.1	1.0000509
37° 01'	28,348,705.35	734,126.35	101.14250	+239.7	1.0000552
02'	28,342,636.80	740,194.90	101.14333	+258.6	1.0000595
03'	28,336,568.20	746,263.50	101.14400	+277.9	1.0000640
04'	28,330,499.56	752,332.14	101.14457	+297.6	1.0000685
05'	28,324,430.88	758,400.82	101.14550	+317.6	1.0000731
37° 06'	28,318,362.15	764,469.55	101.14633	+338.0	1.0000778
07'	28,312,293.37	770,538.33	101.14700	+358.8	1.0000826
08'	28,306,224.55	776,607.15	101.14783	+380.0	1.0000875
09'	28,300,155.68	782,676.02	101.14867	+401.5	1.0000924
10'	28,294,086.76	788,744.94	101.14933	+423.4	1.0000975
37° 11'	28,288,017.80	794,813.90	101.15033	+445.7	1.0001026
12'	28,281,948.78	800,882.92	101.15100	+468.3	1.0001078
13'	28,275,879.72	806,951.98	101.15183	+491.3	1.0001131
14'	28,269,810.61	813,021.09	101.15283	+514.7	1.0001185
15'	28,263,741.44	819,090.26	101.15350	+538.4	1.0001240
37° 16'	28,257,672.23	825,159.47	101.15433	+562.5	1.0001295
17'	28,251,602.97	831,228.73	101.15533	+587.0	1.0001352
18'	28,245,533.65	837,298.05	101.15617	+611.9	1.0001409
19'	28,239,464.28	843,367.42	101.15700	+637.1	1.0001467
20'	28,233,394.86	849,436.84		+662.7	1.0001526

Lambert Projection for Oklahoma (North)

Table II

1" of Long. = 0.59014707 of θ

Long.	θ	Long.	θ	Long.	θ
94° 10'	+2° 15'	44.0296	94° 46'	+1° 54'	29.3120
11	+2 15	08.6208	47	+1 53	53.9031
12	+2 14	33.2120	48	+1 53	18.4943
13	+2 13	57.8032	49	+1 52	43.0855
14	+2 13	22.3943	50	+1 52	07.6767
15	+2 12	46.9855			
94° 16'	+2 12	11.5767	94° 51'	+1 51	32.2678
17	+2 11	36.1679	52	+1 50	56.8590
18	+2 11	00.7590	53	+1 50	21.4502
19	+2 10	25.3502	54	+1 49	46.0414
20	+2 09	49.9414	55	+1 49	10.6325
94° 21'	+2 09	14.5326	94° 56'	+1 48	35.2237
22	+2 08	39.1237	57	+1 47	59.8149
23	+2 08	03.7149	58	+1 47	24.4061
24	+2 07	28.3061	59	+1 46	48.9972
25	+2 06	52.8973	95° 00'	+1 46	13.5884
94° 26'	+2 06	17.4884	95° 01'	+1 45	38.1796
27	+2 05	42.0796	02	+1 45	02.7708
28	+2 05	06.6708	03	+1 44	27.3619
29	+2 04	31.2620	04	+1 43	51.9531
30	+2 03	55.8531	05	+1 43	16.5443
94° 31'	+2 03	20.4443	95° 06'	+1 42	41.1355
32	+2 02	45.0355	07	+1 42	05.7266
33	+2 02	09.6267	08	+1 41	30.3178
34	+2 01	34.2178	09	+1 40	54.9090
35	+2 00	58.8090	10	+1 40	19.5002
94° 36'	+2 00	23.4002	95° 11'	+1 39	44.0913
37	+1 59	47.9914	12	+1 39	08.6825
38	+1 59	12.5825	13	+1 38	33.2737
39	+1 58	37.1737	14	+1 37	57.8649
40	+1 58	01.7649	15	+1 37	22.4560
94° 41'	+1 57	26.3561	95° 16'	+1 36	47.0472
42	+1 56	50.9473	17	+1 36	11.6384
43	+1 56	15.5384	18	+1 35	36.2296
44	+1 55	40.1296	19	+1 35	00.8207
45	+1 55	04.7208	20	+1 34	25.4119
95° 21'	+1° 33'	50.0031	95° 21'	+1° 33'	50.0031
22	+1 33	14.5943	22	+1 33	14.5943
23	+1 32	39.1854	23	+1 32	39.1854
24	+1 32	03.7766	24	+1 32	03.7766
25	+1 31	28.3678	25	+1 31	28.3678
95° 26'	+1 30	52.9590	95° 26'	+1 30	52.9590
27	+1 30	17.5501	27	+1 30	17.5501
28	+1 29	42.1413	28	+1 29	42.1413
29	+1 29	06.7325	29	+1 29	06.7325
30	+1 28	31.3237	30	+1 28	31.3237
95° 31'	+1 27	55.9149	95° 31'	+1 27	55.9149
32	+1 27	20.5060	32	+1 27	20.5060
33	+1 26	45.0972	33	+1 26	45.0972
34	+1 26	09.6884	34	+1 26	09.6884
35	+1 25	34.2796	35	+1 25	34.2796
95° 36'	+1 24	58.8707	95° 36'	+1 24	58.8707
37	+1 24	23.4619	37	+1 24	23.4619
38	+1 23	48.0531	38	+1 23	48.0531
39	+1 23	12.6443	39	+1 23	12.6443
40	+1 22	37.2354	40	+1 22	37.2354
95° 41'	+1 22	01.8266	95° 41'	+1 22	01.8266
42	+1 21	26.4178	42	+1 21	26.4178
43	+1 20	51.0090	43	+1 20	51.0090
44	+1 20	15.6001	44	+1 20	15.6001
45	+1 19	40.1913	45	+1 19	40.1913
95° 46'	+1 19	04.7825	95° 46'	+1 19	04.7825
47	+1 18	29.3737	47	+1 18	29.3737
48	+1 17	53.9648	48	+1 17	53.9648
49	+1 17	18.5560	49	+1 17	18.5560
50	+1 16	43.1472	50	+1 16	43.1472
95° 51'	+1 16	07.7384	95° 51'	+1 16	07.7384
52	+1 15	32.3295	52	+1 15	32.3295
53	+1 14	56.9207	53	+1 14	56.9207
54	+1 14	21.5119	54	+1 14	21.5119
55	+1 13	46.1031	55	+1 13	46.1031

Lambert Projection for Oklahoma (North)

Table II (Cont'd)

1" of Long. = 0.59014707 of θ

Long.	θ	Long.	θ	Long.	θ
95° 56'	+1° 13' 10.6942	96° 31'	+0° 52' 31.3854	97° 06'	+0° 31' 52.0765
57	+1 12 35.2854	32	+0 51 55.9766	07	+0 31 16.6677
58	+1 11 59.8766	33	+0 51 20.5677	08	+0 30 41.2589
59	+1 11 24.4678	34	+0 50 45.1589	09	+0 30 05.8500
96° 00'	+1 10 49.0589	35	+0 50 09.7501	10	+0 29 30.4412
96° 01'	+1 10 13.6501	96° 36'	+0 49 34.3413	97° 11'	+0 28 55.0324
02	+1 09 38.2413	37	+0 48 58.9324	12	+0 28 19.6236
03	+1 09 02.8325	38	+0 48 23.5236	13	+0 27 44.2148
04	+1 08 27.4236	39	+0 47 48.1148	14	+0 27 08.8059
05	+1 07 52.0148	40	+0 47 12.7060	15	+0 26 33.3971
96° 06'	+1 07 16.6060	96° 41'	+0 46 37.2971	97° 16'	+0 25 57.9883
07	+1 06 41.1972	42	+0 46 01.8883	17	+0 25 22.5795
08	+1 06 05.7883	43	+0 45 26.4795	18	+0 24 47.1706
09	+1 05 30.3795	44	+0 44 51.0707	19	+0 24 11.7618
10	+1 04 54.9707	45	+0 44 15.6618	20	+0 23 36.3530
96° 11'	+1 04 19.5619	96° 46'	+0 43 40.2530	97° 21'	+0 23 00.9442
12	+1 03 44.1530	47	+0 43 04.8442	22	+0 22 25.5353
13	+1 03 08.7442	48	+0 42 29.4354	23	+0 21 50.1265
14	+1 02 33.3354	49	+0 41 54.0265	24	+0 21 14.7177
15	+1 01 57.9266	50	+0 41 18.6177	25	+0 20 39.3089
96° 16'	+1 01 22.5177	96° 51'	+0 40 43.2089	97° 26'	+0 20 03.9000
17	+1 00 47.1089	52	+0 40 07.8001	27	+0 19 28.4912
18	+1 00 11.7001	53	+0 39 32.3912	28	+0 18 53.0824
19	+0 59 36.2913	54	+0 38 56.9824	29	+0 18 17.6736
20	+0 59 00.8825	55	+0 38 21.5736	30	+0 17 42.2647
96° 21'	+0 58 25.4736	96° 56'	+0 37 46.1648	97° 31'	+0 17 06.8559
22	+0 57 50.0648	57	+0 37 10.7559	32	+0 16 31.4471
23	+0 57 14.6560	58	+0 36 35.3471	33	+0 15 56.0383
24	+0 56 39.2472	59	+0 35 59.9383	34	+0 15 20.6294
25	+0 56 03.8383	97° 00'	+0 35 24.5295	35	+0 14 45.2206
96° 26'	+0 55 28.4295	97° 01'	+0 34 49.1206	97° 36'	+0 14 09.8118
27	+0 54 53.0207	02	+0 34 13.7118	37	+0 13 34.4030
28	+0 54 17.6119	03	+0 33 38.3030	38	+0 12 58.9941
29	+0 53 42.2030	04	+0 33 02.8942	39	+0 12 23.5853
30	+0 53 06.7942	05	+0 32 27.4853	40	+0 11 48.1765

Lambert Projection for Oklahoma (North)

Table II (Cont'd)

1" of Long. = 0.59014707 of e

Long.	e	Long.	e	Long.	e
97° 41'	+0° 11' 12.7677	98° 16'	-0° 09' 26.5412	98° 51'	-0° 30' 05.8500
42	+0 10 37.3588	17	-0 10 01.9500	52	-0 30 41.2589
43	+0 10 01.9500	18	-0 10 37.3588	53	-0 31 16.6677
44	+0 09 26.5412	19	-0 11 12.7677	54	-0 31 52.0765
45	+0 08 51.1324	20	-0 11 48.1765	55	-0 32 27.4853
97° 46'	+0 08 15.7235	98° 21'	-0 12 23.5853	98° 56'	-0 33 02.8942
47	+0 07 40.3147	22	-0 12 58.9941	57	-0 33 38.3030
48	+0 07 04.9059	23	-0 13 34.4030	58	-0 34 13.7118
49	+0 06 29.4971	24	-0 14 09.8118	59	-0 34 49.1206
50	+0 05 54.0882	25	-0 14 45.2206	99° 00'	-0 35 24.5295
97° 51'	+0 05 18.6794	98° 26'	-0 15 20.6294	99° 01'	-0 35 59.9383
52	+0 04 43.2706	27	-0 15 56.0383	02	-0 36 35.3471
53	+0 04 07.8618	28	-0 16 31.4471	03	-0 37 10.7559
54	+0 03 32.4529	29	-0 17 06.8559	04	-0 37 46.1648
55	+0 02 57.0441	30	-0 17 42.2647	05	-0 38 21.5736
97° 56'	+0 02 21.6353	98° 31'	-0 18 17.6736	99° 06'	-0 38 56.9824
57	+0 01 46.2265	32	-0 18 53.0824	07	-0 39 32.3912
58	+0 01 10.8176	33	-0 19 28.4912	08	-0 40 07.8001
59	+0 00 35.4088	34	-0 20 03.9000	09	-0 40 43.2089
98° 00'	0 00 00.0000	35	-0 20 39.3089	10	-0 41 18.6177
98° 01'	-0 00 35.4088	98° 36'	-0 21 14.7177	99° 11'	-0 41 54.0265
02	-0 01 10.8176	37	-0 21 50.1265	12	-0 42 29.4354
03	-0 01 46.2265	38	-0 22 25.5353	13	-0 43 04.8442
04	-0 02 21.6353	39	-0 23 00.9442	14	-0 43 40.2530
05	-0 02 57.0441	40	-0 23 36.3530	15	-0 44 15.6618
98° 06'	-0 03 32.4529	98° 41'	-0 24 11.7618	99° 16'	-0 44 51.0707
07	-0 04 07.8618	42	-0 24 47.1706	17	-0 45 26.4795
08	-0 04 43.2706	43	-0 25 22.5795	18	-0 46 01.8883
09	-0 05 18.6794	44	-0 25 57.9883	19	-0 46 37.2971
10	-0 05 54.0882	45	-0 26 33.3971	20	-0 47 12.7060
98° 11'	-0 06 29.4971	98° 46'	-0 27 08.8059	99° 21'	-0 47 48.1148
12	-0 07 04.9059	47	-0 27 44.2148	22	-0 48 23.5236
13	-0 07 40.3147	48	-0 28 19.6236	23	-0 48 58.9324
14	-0 08 15.7235	49	-0 28 55.0324	24	-0 49 34.3413
15	-0 08 51.1324	50	-0 29 30.4412	25	-0 50 09.7501

Lambert Projection for Oklahoma (North)

Table II (Cont'd)

1" of Long. = 0.59014707 of θ

Long.	θ		Long.	θ		Long.	θ		
99° 26'	-0°	50'	45.1589	100° 01'	-1° 11'	24.4678	100° 36'	-1° 32'	03.7766
27	-0	51	20.5677	02	-1 11	59.8766	37	-1 32	39.1854
28	-0	51	55.9766	03	-1 12	35.2854	38	-1 33	14.5943
29	-0	52	31.3854	04	-1 13	10.6942	39	-1 33	50.0031
30	-0	53	06.7942	05	-1 13	46.1031	40	-1 34	25.4119
99° 31'	-0	53	42.2030	100° 06'	-1 14	21.5119	100° 41'	-1 35	00.8207
32	-0	54	17.6119	07	-1 14	56.9207	42	-1 35	36.2296
33	-0	54	53.0207	08	-1 15	32.3295	43	-1 36	11.6384
34	-0	55	28.4295	09	-1 16	07.7384	44	-1 36	47.0472
35	-0	56	03.8383	10	-1 16	43.1472	45	-1 37	22.4560
99° 36'	-0	56	39.2472	100° 11'	-1 17	18.5560	100° 46'	-1 37	57.8649
37	-0	57	14.6560	12	-1 17	53.9648	47	-1 38	33.2737
38	-0	57	50.0648	13	-1 18	29.3737	48	-1 39	08.6825
39	-0	58	25.4736	14	-1 19	04.7825	49	-1 39	44.0913
40	-0	59	00.8825	15	-1 19	40.1913	50	-1 40	19.5002
99° 41'	-0	59	36.2913	100° 16'	-1 20	15.6001	100° 51'	-1 40	54.9090
42	-1	00	11.7001	17	-1 20	51.0090	52	-1 41	30.3178
43	-1	00	47.1089	18	-1 21	26.4178	53	-1 42	05.7266
44	-1	01	22.5177	19	-1 22	01.8266	54	-1 42	41.1355
45	-1	01	57.9266	20	-1 22	37.2354	55	-1 43	16.5443
99° 46'	-1	02	33.3354	100° 21'	-1 23	12.6443	100° 56'	-1 43	51.9531
47	-1	03	08.7442	22	-1 23	48.0531	57	-1 44	27.3619
48	-1	03	44.1530	23	-1 24	23.4619	58	-1 45	02.7708
49	-1	04	19.5619	24	-1 24	58.8707	59	-1 45	38.1796
50	-1	04	54.9707	25	-1 25	34.2796	101° 00'	-1 46	13.5884
99° 51'	-1	05	30.3795	100° 26'	-1 26	09.6884	101° 01'	-1 46	48.9972
52	-1	06	05.7883	27	-1 26	45.0972	02	-1 47	24.4061
53	-1	06	41.1972	28	-1 27	20.5060	03	-1 47	59.8149
54	-1	07	16.6060	29	-1 27	55.9149	04	-1 48	35.2237
55	-1	07	52.0148	30	-1 28	31.3237	05	-1 49	10.6325
99° 56'	-1	08	27.4236	100° 31'	-1 29	06.7325	101° 06'	-1 49	46.0414
57	-1	09	02.8325	32	-1 29	42.1413	07	-1 50	21.4502
58	-1	09	38.2413	33	-1 30	17.5501	08	-1 50	56.8590
59	-1	10	13.6501	34	-1 30	52.9590	09	-1 51	32.2678
100° 00'	-1	10	49.0589	35	-1 31	28.3678	10	-1 52	07.6767

Lambert Projection for Oklahoma (North)

Table II (Cont'd)

1" of Long. = 0.59014707 of θ

Long.	θ			Long.	θ			Long.	θ		
101° 11'	-1° 52'	43.0855		101° 46'	-2° 13'	22.3943		102° 21'	-2° 34'	01.7032	
12	-1 53	18.4943		47	-2 13	57.8032		22	-2 34	37.1120	
13	-1 53	53.9031		48	-2 14	33.2120		23	-2 35	12.5208	
14	-1 54	29.3120		49	-2 15	08.6208		24	-2 35	47.9297	
15	-1 55	04.7208		50	-2 15	44.0296		25	-2 36	23.3385	
101° 16'	-1 55	40.1296		101° 51'	-2 16	19.4385		102° 26'	-2 36	58.7473	
17	-1 56	15.5384		52	-2 16	54.8473		27	-2 37	34.1561	
18	-1 56	50.9473		53	-2 17	30.2561		28	-2 38	09.5650	
19	-1 57	26.3561		54	-2 18	05.6649		29	-2 38	44.9738	
20	-1 58	01.7649		55	-2 18	41.0738		30	-2 39	20.3826	
101° 21'	-1 58	37.1737		101° 56'	-2 19	16.4826		102° 31'	-2 39	55.7914	
22	-1 59	12.5825		57	-2 19	51.8914		32	-2 40	31.2003	
23	-1 59	47.9914		58	-2 20	27.3002		33	-2 41	06.6091	
24	-2 00	23.4002		59	-2 21	02.7091		34	-2 41	42.0179	
25	-2 00	58.8090		102° 00'	-2 21	38.1179		35	-2 42	17.4267	
101° 26'	-2 01	34.2178		102° 01'	-2 22	13.5267		102° 36'	-2 42	52.8356	
27	-2 02	09.6267		02	-2 22	48.9355		37	-2 43	28.2444	
28	-2 02	45.0355		03	-2 23	24.3444		38	-2 44	03.6532	
29	-2 03	20.4443		04	-2 23	59.7532		39	-2 44	39.0620	
30	-2 03	55.8531		05	-2 24	35.1620		40	-2 45	14.4709	
101° 31'	-2 04	31.2620		102° 06'	-2 25	10.5708		102° 41'	-2 45	49.8797	
32	-2 05	06.6708		07	-2 25	45.9797		42	-2 46	25.2885	
33	-2 05	42.0796		08	-2 26	21.3885		43	-2 47	00.6973	
34	-2 06	17.4884		09	-2 26	56.7973		44	-2 47	36.1062	
35	-2 06	52.8973		10	-2 27	32.2061		45	-2 48	11.5150	
101° 36'	-2 07	28.3061		102° 11'	-2 28	07.6149		102° 46'	-2 48	46.9238	
37	-2 08	03.7149		12	-2 28	43.0238		47	-2 49	22.3326	
38	-2 08	39.1237		13	-2 29	18.4326		48	-2 49	57.7415	
39	-2 09	14.5326		14	-2 29	53.8414		49	-2 50	33.1503	
40	-2 09	49.9414		15	-2 30	29.2502		50	-2 51	08.5591	
101° 41'	-2 10	25.3502		102° 16'	-2 31	04.6591		102° 51'	-2 51	43.9679	
42	-2 11	00.7590		17	-2 31	40.0679		52	-2 52	19.3768	
43	-2 11	36.1679		18	-2 32	15.4767		53	-2 52	54.7856	
44	-2 12	11.5767		19	-2 32	50.8855		54	-2 53	30.1944	
45	-2 12	46.9855		20	-2 33	26.2944		55	-2 54	05.6032	

Traverse in Southwestern Oklahoma

Lambert Projection for Oklahoma (North)

Table II (Cont'd)

1" of Long. = 0.59014707 of θ

Long.		θ
102° 56'	-2° 54'	41.0121
57	-2 55	16.4209
58	-2 55	51.8297
59	-2 56	27.2385
103° 00'	-2 57	02.6474
103° 01'	-2 57	38.0562
02	-2 58	13.4650
03	-2 58	48.8738
04	-2 49	24.2826
05	-2 59	59.6915
103° 06'	-3 00	35.1003
07	-3 01	10.5091
08	-3 01	45.9179
09	-3 02	21.3268
10	-3 02	56.7356
103° 11'	-3 03	32.1444
12	-3 04	07.5532
13	-3 04	42.9621
14	-3 05	18.3709
15	-3 05	53.7797
103° 16'	-3 06	29.1885
17	-3 07	04.5974
18	-3 07	40.0062
19	-3 08	15.4150
20	-3 08	50.8238

$$l = 0.5901470744$$

$$\log l = 9.7709602585 - 10$$

$$\log K = 7.6299613756$$

$$y_0 = + 424,960.04 \text{ feet}$$

$$\log \frac{1}{2 \rho^2 \sin 1''} = 0.3729293 - 10$$

$$\text{Geod. Azimuth} - \text{Grid Azimuth} =$$

$$+\theta - \frac{x_2 - x_1}{2 \rho^2 \sin 1''} (y_1 - y_0 + \frac{y_2 - y_1}{3})$$

Lambert Projection for Oklahoma (South)

Table I

Lat.	R feet	Y y value on central meridian feet	Tabular difference for 1 sec. of lat. feet	Scale in units of 7th place of logs	Scale expressed as a ratio
33° 20'	30,838,032.96	0	101.09150	+746.7	1.0001719
21	30,831,967.47	6,065.49	101.09117	+719.6	1.0001657
22	30,825,902.00	12,130.96	101.09083	+692.9	1.0001595
23	30,819,836.55	18,196.41	101.09050	+666.6	1.0001535
24	30,813,771.12	24,261.84	101.09017	+640.6	1.0001475
25	30,807,705.71	30,327.25	101.08983	+615.0	1.0001416
33° 26'	30,801,640.32	36,392.64	101.08950	+589.7	1.0001358
27	30,795,574.95	42,458.01	101.08933	+564.8	1.0001301
28	30,789,509.59	48,523.37	101.08900	+540.3	1.0001244
29	30,783,444.25	54,588.71	101.08867	+516.1	1.0001188
30	30,777,378.93	60,654.03	101.08833	+492.3	1.0001134
33° 31'	30,771,313.63	66,719.33	101.08817	+468.8	1.0001080
32	30,765,248.34	72,784.62	101.08783	+445.7	1.0001026
33	30,759,183.07	78,849.89	101.08767	+423.0	1.0000974
34	30,753,117.81	84,915.15	101.08733	+400.6	1.0000922
35	30,747,052.57	90,980.39	101.08717	+378.6	1.0000872
33° 36'	30,740,987.34	97,045.62	101.08683	+357.0	1.0000822
37	30,734,922.13	103,110.83	101.08683	+335.7	1.0000773
38	30,728,856.92	109,176.04	101.08650	+314.8	1.0000725
39	30,722,791.73	115,241.23	101.08617	+294.2	1.0000677
40	30,716,726.56	121,306.40	101.08617	+274.0	1.0000631
33° 41'	30,710,661.39	127,371.57	101.08600	+254.2	1.0000585
42	30,704,596.23	133,436.73	101.08567	+234.7	1.0000540
43	30,698,531.09	139,501.87	101.08567	+215.6	1.0000496
44	30,692,465.95	145,567.01	101.08533	+196.8	1.0000453
45	30,686,400.83	151,632.13	101.08533	+178.4	1.0000411
33° 46'	30,680,335.71	157,697.25	101.08517	+160.4	1.0000369
47	30,674,270.60	163,762.36	101.08500	+142.7	1.0000329
48	30,668,205.50	169,827.46	101.08500	+125.4	1.0000289
49	30,662,140.40	175,892.56	101.08467	+108.5	1.0000250
50	30,656,075.32	181,957.64	101.08467	+ 91.9	1.0000212
33° 51'	30,650,010.24	188,022.72	101.08467	+ 75.7	1.0000174
52	30,643,945.16	194,087.80	101.08450	+ 59.8	1.0000138
53	30,637,880.09	200,152.87	101.08433	+ 44.3	1.0000102
54	30,631,815.03	206,217.93	101.08433	+ 29.2	1.0000067
55	30,625,749.97	212,282.99	101.08433	+ 14.4	1.0000033

Lambert Projection for Oklahoma (South)

Table I (Cont'd)

Lat.	R feet	Y' y value on central meridian feet	Tabular difference for 1 sec. of lat. feet	Scale in units of 7th place of logs	Scale expressed as a ratio
33° 56'	30,619,684.91	218,348.05	101.08433	0.0	1.0000000
57	30,613,619.85	224,413.11	101.08417	-14.0	0.9999968
58	30,607,554.80	230,478.16	101.08417	-27.7	0.9999936
59	30,601,489.75	236,543.21	101.08400	-41.0	0.9999906
34° 00'	30,595,424.71	242,608.25	101.08417	-54.0	0.9999876
34° 01'	30,589,359.66	248,673.30	101.08400	-66.6	0.9999847
02	30,583,294.62	254,738.34	101.08417	-78.8	0.9999819
03	30,577,229.57	260,803.39	101.08400	-90.7	0.9999791
04	30,571,164.53	266,868.43	101.08417	-102.2	0.9999765
05	30,565,099.48	272,933.48	101.08417	-113.3	0.9999739
34° 06'	30,559,034.43	278,998.53	101.08417	-124.1	0.9999714
07	30,552,969.38	285,063.58	101.08417	-134.5	0.9999690
08	30,546,904.33	291,128.63	101.08417	-144.6	0.9999667
09	30,540,839.28	297,193.68	101.08433	-154.3	0.9999645
10	30,534,774.22	303,258.74	101.08433	-163.6	0.9999623
34° 11'	30,528,709.16	309,323.80	101.08450	-172.6	0.9999603
12	30,522,644.09	315,388.87	101.08450	-181.2	0.9999583
13	30,516,579.02	321,453.94	101.08467	-189.4	0.9999564
14	30,510,513.94	327,519.02	101.08467	-197.3	0.9999546
15	30,504,448.86	333,584.10	101.08483	-204.8	0.9999528
34° 16	30,498,383.77	339,649.19	101.08500	-211.9	0.9999512
17	30,492,318.67	345,714.29	101.08500	-218.7	0.9999496
18	30,486,253.57	351,779.39	101.08517	-225.1	0.9999482
19	30,480,188.46	357,844.50	101.08533	-231.1	0.9999468
20	30,474,123.34	363,909.62	101.08550	-236.8	0.9999455
34° 21'	30,468,058.21	369,974.75	101.08567	-242.1	0.9999443
22	30,461,993.07	376,039.89	101.08583	-247.0	0.9999431
23	30,455,927.92	382,105.04	101.08600	-251.6	0.9999421
24	30,449,862.76	388,170.20	101.08617	-255.9	0.9999411
25	30,443,797.59	394,235.37	101.08633	-259.7	0.9999402
34° 26'	30,437,732.41	400,300.55	101.08667	-263.2	0.9999394
27	30,431,667.21	406,365.75	101.08683	-266.3	0.9999387
28	30,425,602.00	412,430.96	101.08700	-269.1	0.9999380
29	30,419,536.78	418,496.18	101.08717	-271.5	0.9999375
30	30,413,471.55	424,561.41	101.08750	-273.5	0.9999370

Lambert Projection for Oklahoma (South)

Table I (Cont'd)

Lat.	R feet	Y' y value on central meridian feet	Tabular difference for 1 sec. of lat. feet	Scale in units of 7th place of logs	Scale expressed as a ratio
34° 31'	30,407,406.30	430,626.66	101.08767	-275.2	0.9999366
32	30,401,341.04	436,691.92	101.08800	-276.5	0.9999363
33	30,395,275.76	442,757.20	101.08817	-277.4	0.9999361
34	30,389,210.47	448,822.49	101.08850	-278.0	0.9999360
35	30,383,145.16	454,887.80	101.08883	-278.2	0.9999359
34° 36'	30,377,079.83	460,953.13	101.08900	-278.0	0.9999360
37	30,371,014.49	467,018.47	101.08933	-277.5	0.9999361
38	30,364,949.13	473,083.83	101.08967	-276.6	0.9999363
39	30,358,883.75	479,149.21	101.09000	-275.3	0.9999366
40	30,352,818.35	485,214.61	101.09033	-273.7	0.9999370
34° 41'	30,346,752.93	491,280.03	101.09067	-271.7	0.9999374
42	30,340,687.49	497,345.47	101.09100	-269.3	0.9999380
43	30,334,622.03	503,410.93	101.09133	-266.6	0.9999386
44	30,328,556.55	509,476.41	101.09167	-263.5	0.9999393
45	30,322,491.05	515,541.91	101.09200	-260.1	0.9999401
34° 46'	30,316,425.53	521,607.43	101.09250	-256.3	0.9999410
47	30,310,359.98	527,672.98	101.09267	-252.1	0.9999420
48	30,304,294.42	533,738.54	101.09317	-247.5	0.9999430
49	30,298,228.83	539,804.13	101.09367	-242.6	0.9999441
50	30,292,163.21	545,869.75	101.09400	-237.3	0.9999454
34° 51'	30,286,097.57	551,935.39	101.09450	-231.6	0.9999467
52	30,280,031.90	558,001.06	101.09483	-225.6	0.9999481
53	30,273,966.21	564,066.75	101.09517	-219.2	0.9999495
54	30,267,900.50	570,132.46	101.09567	-212.5	0.9999511
55	30,261,834.76	576,198.20	101.09617	-205.4	0.9999527
34° 56'	30,255,768.99	582,263.97	101.09667	-197.9	0.9999544
57	30,249,703.19	588,329.77	101.09717	-190.0	0.9999562
58	30,243,637.36	594,395.60	101.09750	-181.8	0.9999581
59	30,237,571.51	600,461.45	101.09817	-173.2	0.9999601
35° 00'	30,231,505.62	606,527.34	101.09850	-164.2	0.9999622
35° 01'	30,225,439.71	612,593.25	101.09900	-154.9	0.9999643
02	30,219,373.77	618,659.19	101.09950	-145.2	0.9999666
03	30,213,307.80	624,725.16	101.10017	-135.1	0.9999689
04	30,207,241.79	630,791.17	101.10067	-124.7	0.9999713
05	30,201,175.75	636,857.21	101.10117	-113.9	0.9999738

Traverse in Southwestern Oklahoma

Lambert Projection for Oklahoma (South)

Table I (Cont'd)

Lat.	R feet	Y' y value on central meridian feet	Tabular difference for 1 sec. of lat. feet	Scale in units of 7th place of logs	Scale expressed as a ratio
35° 06'	30,195,109.68	642,923.28	101.10167	-102.7	0.9999764
07	30,189,043.58	648,989.38	101.10217	-91.1	0.9999790
08	30,182,977.45	655,055.51	101.10283	-79.2	0.9999818
09	30,176,911.28	661,121.68	101.10333	-66.9	0.9999846
10	30,170,845.08	667,187.88	101.10400	-54.3	0.9999875
35° 11'	30,164,778.84	673,254.12	101.10467	-41.3	0.9999905
12	30,158,712.56	679,320.40	101.10517	-27.9	0.9999936
13	30,152,646.25	685,386.71	101.10567	-14.1	0.9999968
14	30,146,579.91	691,453.05	101.10633	0.0	1.0000000
15	30,140,513.53	697,519.43	101.10700	+14.5	1.0000033
35° 16'	30,134,447.11	703,585.85	101.10767	+29.4	1.0000068
17	30,128,380.65	709,652.31	101.10833	+44.6	1.0000103
18	30,122,314.15	715,718.81	101.10900	+60.2	1.0000139
19	30,116,247.61	721,785.35	101.10950	+76.2	1.0000175
20	30,110,181.04	727,851.92	101.11017	+92.5	1.0000213
35° 21'	30,104,114.43	733,918.53	101.11100	+109.2	1.0000251
22	30,098,047.77	739,985.19	101.11150	+126.3	1.0000291
23	30,091,981.08	746,051.88	101.11233	+143.7	1.0000331
24	30,085,914.34	752,118.62	101.11300	+161.5	1.0000372
25	30,079,847.56	758,185.40	101.11383	+179.7	1.0000414
35° 26'	30,073,780.73	764,252.23	101.11433	+198.3	1.0000457
27	30,067,713.87	770,319.09	101.11517	+217.2	1.0000500
28	30,061,646.96	776,386.00	101.11583	+236.5	1.0000545
29	30,055,580.01	782,452.95	101.11667	+256.2	1.0000590
30	30,049,513.01	788,519.95	101.11750	+276.2	1.0000636
35° 31'	30,043,445.96	794,587.00	101.11817	+296.6	1.0000683
32	30,037,378.87	800,654.09	101.11883	+317.4	1.0000731
33	30,031,311.74	806,721.22	101.11967	+338.5	1.0000779
34	30,025,244.56	812,788.40	101.12050	+360.0	1.0000829
35	30,019,177.33	818,855.63	101.12133	+381.9	1.0000879
35° 36'	30,013,110.05	824,922.91	101.12217	+404.1	1.0000930
37	30,007,042.72	830,990.24	101.12283	+426.7	1.0000982
38	30,000,975.35	837,057.61	101.12383	+449.7	1.0001035
39	29,994,907.92	843,125.04	101.12450	+473.1	1.0001089
40	29,988,840.45	849,192.51		+496.8	1.0001144

Lambert Projection for Oklahoma (South)

Table II

1" of Long. = 0.56761668 of θ

Long.	θ	Long.	θ	Long.	θ
94° 10'	+2° 10' 33.1102	94° 46'	+1° 50' 07.0582	95° 21'	+1° 30' 15.0631
11	+2 09 59.0532	47	+1 49 33.0012	22	+1 29 41.0061
12	+2 09 24.9962	48	+1 48 58.9442	23	+1 29 06.9491
13	+2 08 50.9392	49	+1 48 24.8872	24	+1 28 32.8921
14	+2 08 16.8822	50	+1 47 50.8302	25	+1 27 58.8351
15	+2 07 42.8252				
94° 16'	+2 07 08.7682	94° 51'	+1 47 16.7732	95° 26'	+1 27 24.7781
17	+2 06 34.7112	52	+1 46 42.7162	27	+1 26 50.7211
18	+2 06 00.6542	53	+1 46 08.6592	28	+1 26 16.6641
19	+2 05 26.5972	54	+1 45 34.6022	29	+1 25 42.6071
20	+2 04 52.5402	55	+1 45 00.5452	30	+1 25 08.5501
94° 21'	+2 04 18.4832	94° 56'	+1 44 26.4882	95° 31'	+1 24 34.4931
22	+2 03 44.4262	57	+1 43 52.4312	32	+1 24 00.4361
23	+2 03 10.3692	58	+1 43 18.3742	33	+1 23 26.3791
24	+2 02 36.3122	59	+1 42 44.3172	34	+1 22 52.3221
25	+2 02 02.2552	95° 00'	+1 42 10.2602	35	+1 22 18.2651
94° 26'	+2 01 28.1982	95° 01'	+1 41 36.2032	95° 36'	+1 21 44.2081
27	+2 00 54.1412	02	+1 41 02.1462	37	+1 21 10.1511
28	+2 00 20.0842	03	+1 40 28.0892	38	+1 20 36.0941
29	+1 59 46.0272	04	+1 39 54.0322	39	+1 20 02.0371
30	+1 59 11.9702	05	+1 39 19.9752	40	+1 19 27.9801
94° 31'	+1 58 37.9132	95° 06'	+1 38 45.9182	95° 41'	+1 18 53.9231
32	+1 58 03.8562	07	+1 38 11.8612	42	+1 18 19.8661
33	+1 57 29.7992	08	+1 37 37.8042	43	+1 17 45.8091
34	+1 56 55.7422	09	+1 37 03.7472	44	+1 17 11.7521
35	+1 56 21.6852	10	+1 36 29.6902	45	+1 16 37.6951
94° 36'	+1 55 47.6282	95° 11'	+1 35 55.6332	95° 46'	+1 16 03.6381
37	+1 55 13.5712	12	+1 35 21.5762	47	+1 15 29.5811
38	+1 54 39.5142	13	+1 34 47.5192	48	+1 14 55.5241
39	+1 54 05.4572	14	+1 34 13.4621	49	+1 14 21.4671
40	+1 53 31.4002	15	+1 33 39.4051	50	+1 13 47.4101
94° 41'	+1 52 57.3432	95° 16'	+1 33 05.3481	95° 51'	+1 13 13.3531
42	+1 52 23.2862	17	+1 32 31.2911	52	+1 12 39.2961
43	+1 51 49.2292	18	+1 31 57.2341	53	+1 12 05.2391
44	+1 51 15.1722	19	+1 31 23.1771	54	+1 11 31.1821
45	+1 50 41.1152	20	+1 30 49.1201	55	+1 10 57.1251

Lambert Projection for Oklahoma (South)

Table II. (Cont'd)

1" of Long. = 0.56761668 of θ

Long.	θ	Long.	θ	Long.	θ			
95° 56'	+1° 10'	23.0681	96° 31'	+0° 50'	31.0731	97° 06'	+0° 30'	39.0780
57	+1 09	49.0111	32	+0 49	57.0161	07	+0 30	05.0210
58	+1 09	14.9541	33	+0 49	22.9591	08	+0 29	30.9640
59	+1 08	40.8971	34	+0 48	48.9021	09	+0 28	56.9070
96° 00'	+1 08	06.8401	35	+0 48	14.8451	10	+0 28	22.8500
96° 01'	+1 07	32.7831	96° 36'	+0 47	40.7881	97° 11'	+0 27	48.7930
02	+1 06	58.7261	37	+0 47	06.7311	12	+0 27	14.7360
03	+1 06	24.6691	38	+0 46	32.6741	13	+0 26	40.6790
04	+1 05	50.6121	39	+0 45	58.6171	14	+0 26	06.6220
05	+1 05	16.5551	40	+0 45	24.5601	15	+0 25	32.5650
96° 06'	+1 04	42.4981	96° 41'	+0 44	50.5031	97° 16'	+0 24	58.5080
07	+1 04	08.4411	42	+0 44	16.4461	17	+0 24	24.4510
08	+1 03	34.3841	43	+0 43	42.3891	18	+0 23	50.3940
09	+1 03	00.3271	44	+0 43	08.3321	19	+0 23	16.3370
10	+1 02	26.2701	45	+0 42	34.2751	20	+0 22	42.2800
96° 11'	+1 01	52.2131	96° 46'	+0 42	00.2181	97° 21'	+0 22	08.2230
12	+1 01	18.1561	47	+0 41	26.1611	22	+0 21	34.1660
13	+1 00	44.0991	48	+0 40	52.1041	23	+0 21	00.1090
14	+1 00	10.0421	49	+0 40	18.0471	24	+0 20	26.0520
15	+0 59	35.9851	50	+0 39	43.9901	25	+0 19	51.9950
96° 16'	+0 59	01.9281	96° 51'	+0 39	09.9331	97° 26'	+0 19	17.9380
17	+0 58	27.8711	52	+0 38	35.8761	27	+0 18	43.8810
18	+0 57	53.8141	53	+0 38	01.8191	28	+0 18	09.8240
19	+0 57	19.7571	54	+0 37	27.7621	29	+0 17	35.7670
20	+0 56	45.7001	55	+0 36	53.7051	30	+0 17	01.7100
96° 21'	+0 56	11.6431	96° 56'	+0 36	19.6481	97° 31'	+0 16	27.6530
22	+0 55	37.5861	57	+0 35	45.5911	32	+0 15	53.5960
23	+0 55	03.5291	58	+0 35	11.5341	33	+0 15	19.5390
24	+0 54	29.4721	59	+0 34	37.4771	34	+0 14	45.4820
25	+0 53	55.4151	97° 00'	+0 34	03.4201	35	+0 14	11.4250
96° 26'	+0 53	21.3581	97° 01'	+0 33	29.3631	97° 36'	+0 13	37.3680
27	+0 52	47.3011	02	+0 32	55.3061	37	+0 13	03.3110
28	+0 52	13.2441	03	+0 32	21.2491	38	+0 12	29.2540
29	+0 51	39.1871	04	+0 31	47.1921	39	+0 11	55.1970
30	+0 51	05.1301	05	+0 31	13.1350	40	+0 11	21.1400

Lambert Projection for Oklahoma (South)

Table II (Cont'd)

1" of Long. = 0.56761668 of e

Long.	e	Long.	e	Long.	e
97° 41'	+0° 10' 47.0830	98° 16'	-0° 09' 04.9120	98° 51'	-0° 28' 56.9070
42	+0 10 13.0260	17	-0 09 38.9690	52	-0 29 30.9640
43	+0 09 38.9690	18	-0 10 13.0260	53	-0 30 05.0210
44	+0 09 04.9120	19	-0 10 47.0830	54	-0 30 39.0780
45	+0 08 30.8550	20	-0 11 21.1400	55	-0 31 13.1350
97° 46'	+0 07 56.7980	98° 21'	-0 11 55.1970	98° 56'	-0 31 47.1921
47	+0 07 22.7410	22	-0 12 29.2540	57	-0 32 21.2491
48	+0 06 48.6840	23	-0 13 03.3110	58	-0 32 55.3061
49	+0 06 14.6270	24	-0 13 37.3680	59	-0 33 29.3631
50	+0 05 40.5700	25	-0 14 11.4250	99° 00'	-0 34 03.4201
97° 51'	+0 05 06.5130	98° 26'	-0 14 45.4820	99° 01'	-0 34 37.4771
52	+0 04 32.4560	27	-0 15 19.5390	02	-0 35 11.5341
53	+0 03 58.3990	28	-0 15 53.5960	03	-0 35 45.5911
54	+0 03 24.3420	29	-0 16 27.6530	04	-0 36 19.6481
55	+0 02 50.2850	30	-0 17 01.7100	05	-0 36 53.7051
97° 56'	+0 02 16.2280	98° 31'	-0 17 35.7670	99° 06'	-0 37 27.7621
57	+0 01 42.1710	32	-0 18 09.8240	07	-0 38 01.8191
58	+0 01 08.1140	33	-0 18 43.8810	08	-0 38 35.8761
59	+0 00 34.0570	34	-0 19 17.9380	09	-0 39 09.9331
98° 00'	0 00 00.0000	35	-0 19 51.9950	10	-0 39 43.9901
98° 01'	-0 00 34.0570	98° 36'	-0 20 26.0520	99° 11'	-0 40 18.0471
02	-0 01 08.1140	37	-0 21 00.1090	12	-0 40 52.1041
03	-0 01 42.1710	38	-0 21 34.1660	13	-0 41 26.1611
04	-0 02 16.2280	39	-0 22 08.2230	14	-0 42 00.2181
05	-0 02 50.2850	40	-0 22 42.2800	15	-0 42 34.2751
98° 06'	-0 03 24.3420	98° 41'	-0 23 16.3370	99° 16'	-0 43 08.3321
07	-0 03 58.3990	42	-0 23 50.3940	17	-0 43 42.3891
08	-0 04 32.4560	43	-0 24 24.4510	18	-0 44 16.4461
09	-0 05 06.5130	44	-0 24 58.5080	19	-0 44 50.5031
10	-0 05 40.5700	45	-0 25 32.5650	20	-0 45 24.5601
98° 11'	-0 06 14.6270	98° 46'	-0 26 06.6220	99° 21'	-0 45 58.6171
12	-0 06 48.6840	47	-0 26 40.6790	22	-0 46 32.6741
13	-0 07 22.7410	48	-0 27 14.7360	23	-0 47 06.7311
14	-0 07 56.7980	49	-0 27 48.7930	24	-0 47 40.7881
15	-0 08 30.8550	50	-0 28 22.8500	25	-0 48 14.8451

Lambert Projection for Oklahoma (South)

Table II (Cont'd)

1" of Long. = 0.56761668 of e

Long.	e	Long.	e
99° 26'	-0 48 48.9021	100° 01'	-1 08 40.8971
27	-0 49 22.9591	02	-1 09 14.9541
28	-0 49 57.0161	03	-1 09 49.0111
29	-0 50 31.0731	04	-1 10 23.0681
30	-0 51 05.1301	05	-1 10 57.1251
99° 31'	-0 51 39.1871	100° 06'	-1 11 31.1821
32	-0 52 13.2441	07	-1 12 05.2391
33	-0 52 47.3011	08	-1 12 39.2961
34	-0 53 21.3581	09	-1 13 13.3531
35	-0 53 55.4151	10	-1 13 47.4101
99° 36'	-0 54 29.4721	100° 11'	-1 14 21.4671
37	-0 55 03.5291	12	-1 14 55.5241
38	-0 55 37.5861	13	-1 15 29.5811
39	-0 56 11.6431	14	-1 16 03.6381
40	-0 56 45.7001	15	-1 16 37.6951
99° 41'	-0 57 19.7571	100° 16'	-1 17 11.7521
42	-0 57 53.8141	17	-1 17 45.8091
43	-0 58 27.8711	18	-1 18 19.8661
44	-0 59 01.9281	19	-1 18 53.9231
45	-0 59 35.9851	20	-1 19 27.9801
99° 46'	-1 00 10.0421	100° 21'	-1 20 02.0371
47	-1 00 44.0991	22	-1 20 36.0941
48	-1 01 18.1561	23	-1 21 10.1511
49	-1 01 52.2131	24	-1 21 44.2081
50	-1 02 26.2701	25	-1 22 18.2651
99° 51'	-1 03 00.3271	100° 26'	-1 22 52.3221
52	-1 03 34.3841	27	-1 23 26.3791
53	-1 04 08.4411	28	-1 24 00.4361
54	-1 04 42.4981	29	-1 24 34.4931
55	-1 05 16.5551	30	-1 25 08.5501
99° 56'	-1 05 50.6121		
57	-1 06 24.6691		
58	-1 06 58.7261		
59	-1 07 32.7831		
100° 00'	-1 08 06.8401		

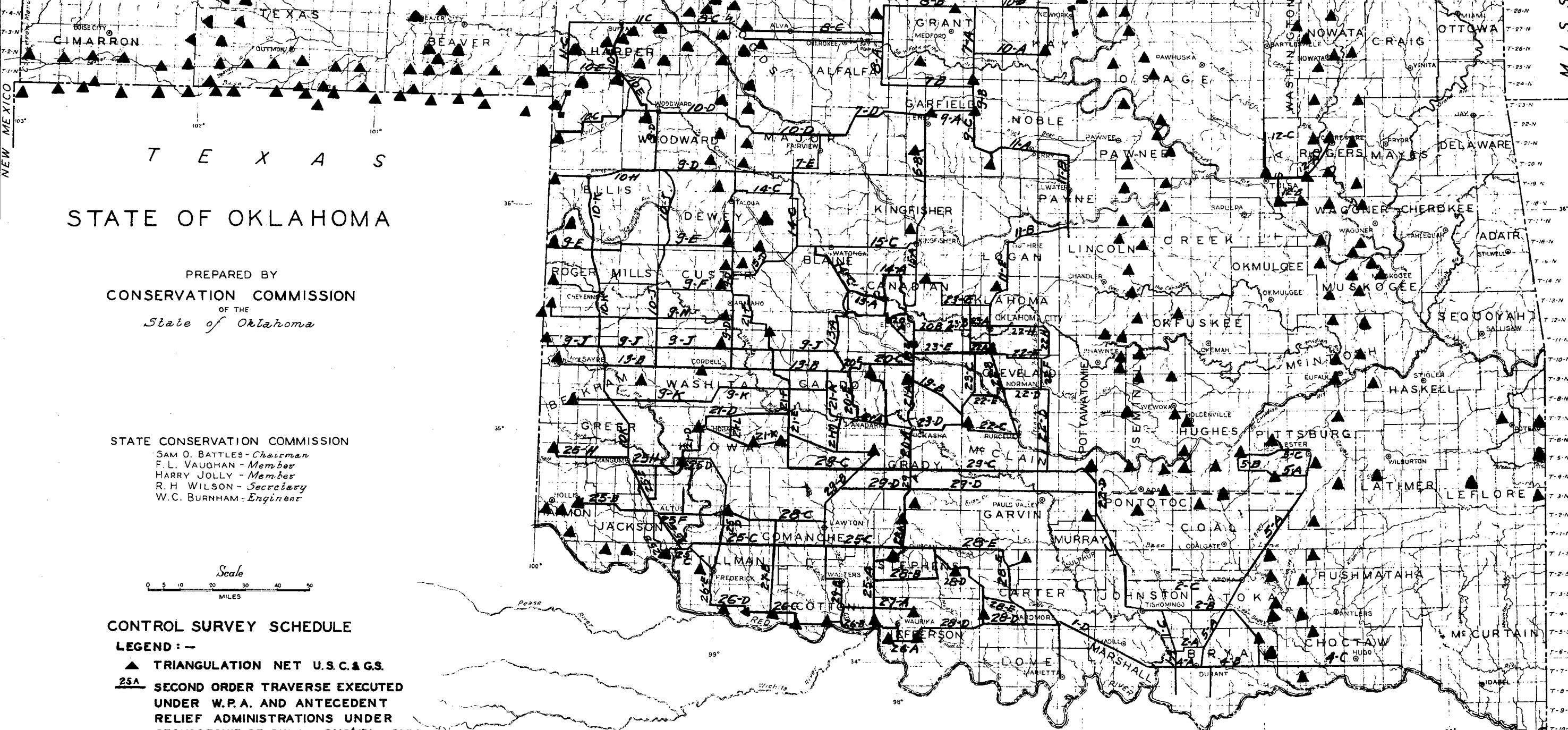
$l = 0.5676166827$
 $\log l = 9.7540551512 - 10$
 $\log K = 7.6404345872$
 $y_0 = +455,201.90$ feet
 $\log \frac{1}{2 \rho_0^2 \sin 1''} =$
 $0.3730830 - 10$
 Geod. Az. - Grid Az. =

$$+ e - \frac{x_2 - x_1}{2 \rho_0^2 \sin 1''} (y_1 - y_0 + \frac{y_2 - y_1}{3})$$

COLORADO

K A N S A S

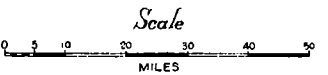
MISSOURI



STATE OF OKLAHOMA

PREPARED BY
CONSERVATION COMMISSION
 OF THE
State of Oklahoma

STATE CONSERVATION COMMISSION
 SAM O. BATTLES - *Chairman*
 F. L. VAUGHAN - *Member*
 HARRY JOLLY - *Member*
 R. H. WILSON - *Secretary*
 W. C. BURNHAM - *Engineer*



CONTROL SURVEY SCHEDULE
LEGEND: -
 ▲ TRIANGULATION NET U.S.C. & G.S.
 25A SECOND ORDER TRAVERSE EXECUTED UNDER W.P.A. AND ANTECEDENT RELIEF ADMINISTRATIONS UNDER SPONSORSHIP OF OKLA. CONSV'N COMM.

T E X A S

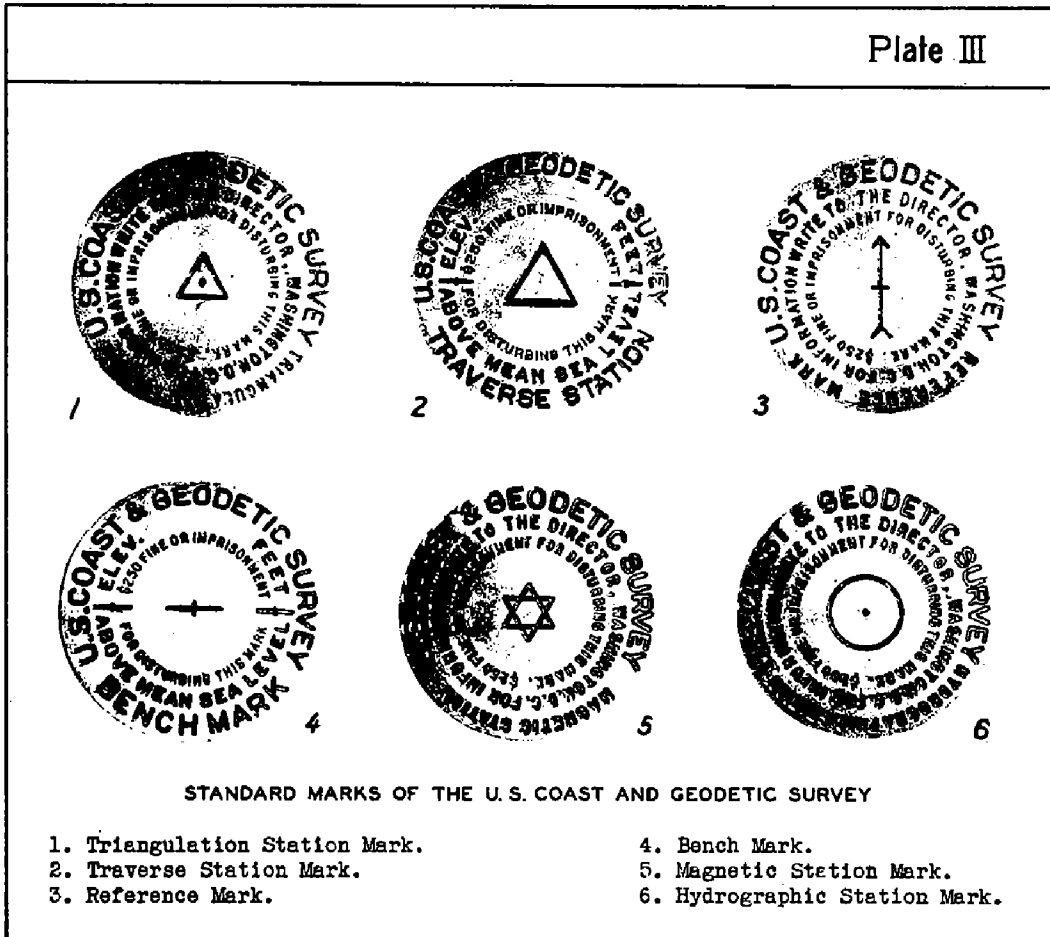
SECTION II.

F O R E W O R D .

Section II of this publication contains elevations and descriptions of all adjusted bench marks of the U.S. Coast & Geodetic Survey in Southwestern Oklahoma. These bench marks have been established over the past 30 years and, no doubt, many of the earlier ones have been destroyed, and others no longer fit their descriptions. Any information relative to condition of these marks and the adequacy of their descriptions will be appreciated by the aforesaid bureau or Oklahoma Geological Survey.

The leveling executed by the U.S. Coast & Geodetic Survey in Oklahoma is divided into first and second order. First order levels are of the highest grade; are run in forward and backward directions, and have an accuracy corresponding to an allowable discrepancy of $4 \text{ mm } \sqrt{K}$, where K is the distance from the starting point in kilometers. The second order leveling has been accomplished mostly in recent years. Its accuracy corresponds to an allowable discrepancy of $8 \text{ mm } \sqrt{K}$; and it is run with the same equipment as used on first order work, but in one direction only. However, the distances between fixed elevations along lines of second order leveling are relatively short, and the actual error of any bench mark is very small.

The bench marks established are of several types as described by reference notes to be found on page 132.



GENERAL NOTES DESCRIBING DIFFERENT FORMS AND MARKINGS OF
BENCH MARKS CONNECTED WITH THE LEVEL NET.

NOTE 1.-This type of bench mark is the red metal disk designed by the Coast and Geodetic Survey, lettered "U. S. Coast & Geodetic Survey, B. M. \$250 fine or imprisonment for disturbing this mark." The disk is 3 inches in diameter, with a 3-inch tenon upon the back for setting it, and is set in cement flush with a horizontal or vertical surface. In the latter case a horizontal mark cut on it, or the horizontal mark of a cross, is the bench mark.

NOTE 2.-This type of bench mark has the same lettering as that referred to in note 1, and is a 3-inch red metal cap, somewhat curved, screwed upon a 4-foot or 4½-foot iron pipe set in the ground and usually cemented at the base, from 4 to 6 inches being exposed above the ground. The base of the pipe is split and spread to a diameter of about a foot. For placing the foot of the level rod accurately a square or a small circle was cut in outline in the center of the cap.

NOTE 3.-This type of bench mark is a stone post 4 ft. long set in the ground with 6 inches exposed, and this portion is dressed. The upper surface is 6 inches square and plane, being marked in the center with a ½-inch copper bolt, 2 inches long, set flush with the surface; the top of the bolt is the bench mark; the upper surface of the stone is lettered "U.S.B.M." and when the post is set near the railroad these letters face the track.

NOTE 4.-This type of bench mark is a brass or copper bolt, usually set in lead or cement, flush with a horizontal or vertical surface. In the latter case, a horizontal mark cut on the face of the bolt, or the horizontal mark of a cross, is the bench mark.

NOTE 5.-This type of bench mark is the bottom of a hole in a horizontal surface, 25 millimeters square, 4 millimeters deep, lettered "U.S.B.M."

NOTE 6.-Where a hydrant has been used the bench mark is the highest point, a brass nut used as a check valve. These may not be considered stable points. They are, however, the most accurately defined of the city bench marks.

NOTE 7.-Bench marks referred to in this note are upon a Coast and Geodetic Survey triangulation station mark or witness mark, a terra cotta pipe filled and surrounded with concrete, from which projects the point of a nail. The bench mark is a square hole cut near the nail.

NOTE 8.-This type of a bench mark is the smooth bottom of a round cut, or shallow drill hole, 8 millimeters deep and 25 millimeters in diameter, in horizontal stone surface.

NOTE 9.-Bench marks referred to this note are upon a Coast & Geodetic Survey triangulation station mark, a terra cotta pipe filled and surrounded with concrete, from which projects the point of a nail, against which the rod was held.

NOTE 10.-Bench Marks referred to this note consists of a copper bolt in a bench mark stone, set 4 ft. underground, covered by a 3-inch iron pipe marked "U. S. B. M."

NOTE 12.-The top of a copper bolt cemented in the top of a 4-foot reinforced concrete post, 7 inches square, with edges beveled, projecting about 6 inches from ground, with top marked "U.S.B.M."

NOTE 13.-The surface within an outlined square, 1 inch on each side, on a horizontal surface of masonry or metal, unlettered.

NOTE 14.-The surface within an outlined square, 1 inch on each side, on a horizontal surface of masonry, lettered "U. S."

NOTE 15.-The bottom of a hole in a horizontal surface, 25 millimeters square and 4 to 6 millimeters deep, lettered "U. S."

NOTE 16.-The bottom of a hole in a horizontal surface, 25 to 30 millimeters square, 4 millimeters deep, not lettered.

NOTE 17.-A 3-inch aluminum or bronze disk lettered "U. S. Geological Survey B.M. \$250 fine or imprisonment for disturbing this mark. Elevation above sea---feet. Datum--." Each disk is stamped with the approximate elevation in feet and a letter or letters to indicate the datum plane. This elevation and datum letter or letters usually form the name by which the bench mark is designated in this publication.

NOTE 18.-This type of bench mark has the same lettering as that referred to in note 17, and is a 3-inch aluminum or bronze cap riveted upon a 3-inch iron pipe set in the ground, 5 to 6 inches being exposed above the ground. A cross cut in the center of the top is the bench mark.

NOTE 20.-A cross on the top of a section of rail set vertically in the ground. Those designated "M.M." (mile monument) mark the exact mile which is indicated by the numeral following; the others are designated "R.M." (rail monument).

NOTE 25.-This type of bench mark is a square post of concrete made of Portland cement and fine gravel, of the grade called artificial stone, somewhat finer than that of which sidewalk blocks are made. It is 4 ft. long, projecting 3 inches above the ground, 6 inches square at the base and 4 inches square at the top, with a copper bolt set flush with the top surface, which is lettered "U.S.B.M."

NOTE 42.-- A bench mark referred to this note is the highest point in a square cut in stone and marked thus: U \square S.

NOTE 43.-- A bench mark referred to this note consists of a copper bolt leaded vertically into stone, the top of the bolt being the bench mark. It is lettered thus: U S

○

P B.M

NOTE 44.-- A bench mark referred to this note is the center of a cross (+) cut on the cross section or end of a piece of railway rail set vertically in the ground.

NOTE 45.-- A bench mark referred to this note is the highest point in a square cut in a stone surface and marked: S D

□

P B.M.

NOTE 46.-- A bench mark referred to this note is center punch mark in the end of a copper bolt leaded into stone, and lettered: S D

○

P.B.M.

NOTE 49.-- A bench mark referred to in this note is the top of a copper bolt set vertically in the top of a truncated square pyramid of concrete built below the ground surface and surmounted by a square cast-iron cover with removable lid.

NOTE 50.-- A 3-inch aluminum or bronze disk lettered "U.S. Geological Survey B.M. \$250 fine or imprisonment for disturbing this mark."

NOTE 51.-- This type of bench mark is a 3-inch aluminum or bronze cap (lettered as in note 27) riveted upon a 3-inch iron pipe set in the ground.

NOTE 52.-- This type of bench mark is a plain iron cap, marked with a chisel "U S" and screwed upon a 4-foot or $4\frac{1}{2}$ foot iron pipe set in the ground. The base of the pipe is usually split and spread to a diameter of about a foot and set in cement.

NOTE 54.-- This type of bench mark is a 3-inch aluminum or bronze disk lettered "U.S. Reclamation service B.M. \$250 fine or imprisonment for disturbing this mark. Elevation above sea level-- feet. Datum--." The elevation and datum are stamped on the bench mark, and it is referred to in the same manner as in Note 17.

NOTE 55.-- This type of bench mark is the upper flat end of a section of rail road rail, from 2 to $2\frac{1}{2}$ feet long, set in stone with 4 to 6 inches exposed. The upper end of the rail is stamped with a cross and the letters "U.S.B.M."

NOTE 56.-- A copper bolt set, usually with lead, into stone or brick, with the letters U.S.B.M. surrounding the bolt. When the bolt is set in a vertical support the exact point defined by the bench mark is indicated by a horizontal line or by the intersection of cross lines on the head of the bolt in a horizontal surface; otherwise the top of the bolt is the bench mark.

NOTE 57.-- A copper bolt set, usually with lead, into stone or brick; its head is divided into quadrants by cross lines, each quadrant containing one of the letters "U.S.B.M." The intersection of the cross lines is the bench mark.

NOTE 59.-- A brass plate, 10 centimeters in diameter, cemented into stone or brick flush with surface. The raised center is marked by cross lines, the intersection of which is the bench mark, and by the letters "U.S.B.M."

NOTE 60.-- A type of bench mark set by the U.S. Army Engineers. It consists of a concrete slab 16 by 16 by 4 inches set about 3 feet in the ground. A copper bolt is embedded in the concrete slab, which is also surmounted by an iron pipe 4 inches in diameter and 4 feet long with a cap bolted to its top. The center of the cap is directly above the bolt in the slab. Elevations are usually taken on both the bolt and the center of the cap.

NOTE 61.-- A type of bench mark set by the U.S. Army Engineers. It consists of an iron pipe, 3 inches in diameter and 5 feet long, set $4\frac{1}{2}$ feet into the ground and covered with cap. Elevations are taken on the knob of the cap.

U.S. Coast & Geodetic Survey - First Order Leveling.
Line #25 - El Reno, Okla. to Jericho, Tex.
Oklahoma Section

For Elevations in El Reno see "Manchester to Terral" Line #34; "Ft. Smith to El Reno" Line #23; and 20A Traverse.

- A-2 1909; At Fort Reno, Canadian Co., about 0.5 mi. SW of CRI&P RR Depot; on SW cor. of high steel water tank. (Note 5.) El. 1395.506 ft.
- B-2 1909; At Calumet, Canadian Co., about 100 m. W. of CRI&P RR Depot and 19 m. N. of C/L of main track on top of N. retaining wall of concrete which supports road-way leading into Farmer's Grain Co. (Note 4.) El. 1376.506 ft.
- C-2 1909; Calumet, Canadian Co., 180 ft. W. of small timber bridge No. 5305 of CRI&P RR; 1½ poles W. of pole 530-15, on W. line of hwy. at crossing; 13.5 m. S. of C/L of main track. (Note 2.) El. 1444.341 ft.
- D-2 1909; At Geary, Blaine Co., 70 m. W. of W. end of CRI&P RR Depot; near W. end of triangular plot on which RR water tank stands & 4.9 m. N. of C/L of main track. (Note 11.) El. 1540.112 ft.
- E-2 1909; At Geary, Blaine Co., on low stone window sill on W. side of N. face of Geary Opera House. (Note 5.) El. 1549.902 ft.
- F-2 1909; At Geary, Blaine Co., on projecting foundation stone at NW. cor. of main entrance to public school bldg. (Note 5.) El. 1583.409 ft.
- G-2 1909; At Geary, Blaine Co., on E. cor. of NE concrete foundation of city water tank. (Note 4.) El. 1590.391 ft.
- H-2 1909; Blaine Co.; about 3.5 mi. S. of Geary; 75 m. S. of S. end of pile trestle No. 5385 of CRI&P RR. at entrance to a cut; 15 m. W. of C/L of main track. (Note 2.) El. 1430.315 ft.
- I-2 1909; Blaine Co., about 7.25 mi. SW of Geary; on W. end of N. concrete retaining wall supporting the embankment at end of steel bridge of CRI&P RR over south Canadian River. (Note 1.) El. 1407.451 ft.
- J-2 1909; At Bridgeport, Caddo Co., about 240 m. E. of CRI&P RR Depot; 41.5 m. S. of C/L of main track; on E. property line of extension of Main Street. (Note 2.) El. 1425.837 ft.
- K-2 1909; Caddo Co., about 2.5 mi. W. of Bridgeport; 400 ft. W. of W. end of pile trestle No. 5459 of CRI&P RR. 550 ft. W. of hwy. crossing directly opposite mile pole 546; 18 m. S. of C/L of main track. (Note 2.) El. 1428.901 ft.
- L-2 1909; At McCool, Caddo Co., 180 m. E. of station of CRI&P RR; 15.9 m. S. of C/L of main track just outside R/W; at SW. property cor. at hwy. crossing. (Note 2.) El. 1444.420 ft.
- M-2 1909; Caddo Co., about 2 mi. E. of Hydro on S. end of W. concrete pier of plate-girder bridge #5526 of CRI&P RR over Deer Creek. (Note 4.) El. 1469.101 ft.
- N-2 1909; At Hydro, Caddo Co., on SW. cor. of red sandstone bldg. at NE. cor. of Main & Caddo Sts. occupied in 1909 by P.O.; set horizontally facing Main St., 0.3 m. above sidewalk. (Note 1.) El. 1557.477 ft.
- O-2 1909; At Hydro, Caddo Co., 55 m. W. of W. end of CRI&P RR Depot and 4 m. N. of C/L of main track; near W. end of gravel platform of station. (Note 11.) El. 1489.026 ft.
- P-2 1909; Caddo Co., about 2.2 mi. W. of Hydro; on N. end of W. concrete abutment of plate girder bridge #5568 of CRI&P RR over Deer Creek. (Note 4.) El. 1497.628 ft.
- Q-2 1909; Custer Co., about 2.8 mi. E. of Weatherford; 400 ft. W. of W. end of pile trestle bridge No. 5599 of CRI&P RR; 14.3 m. S. of C/L main track and directly opposite mile pole 560. (Note 2.) El. 1566.601 ft.
- R-2 1909; At Weatherford, Custer Co., 44.9 m. W. of W. end of depot and 6.9 m. N. of C/L of main track, CRI&P RR; near Broadway crossing. (Note 11.) El. 1645.902 ft.
- S-2 1909; At Weatherford, Custer Co., at SW. cor. Broadway & Main Sts. 0.4 m. above the sidewalk; in stone foundation of brick bldg. occupied in 1909 by First Nat. Bank of Weatherford. (Note 1.) El. 1659.590 ft.
- T-2 1909; Custer Co., about 2.6 mi. W. of Weatherford; near middle of fourth curve W. of Weatherford depot; on CRI&P RR; 3.5 m. below top of rail; in center of N. spandrel wall of reinforced concrete culvert. (Note 4.) El. 1694.025 ft.
- U-2 1909; Custer Co., 3.4 mi. W. of Weatherford; on S. end of E. concrete abutment of plate girder bridge #5662 of CRI&P RR. (Note 4.) El. 1,723.661 ft.
- V-2 1909; Custer Co., 4.8 mi. W. of Weatherford; on top of cut on divide between S. Canadian and Washita Rivers; 10½ poles E. of mile pole 568; 14 m. SW. of C/L of main track; just inside R/W of CRI&P RR. (Note 2.) El. 1799.288 ft.
- W-2 1909; Custer Co., 2 mi. E. of Indianapolis; 4 poles W. of mile pole 571 on CRI&P RR 13.4 m. S. of C/L of main track; on W. line of N-S hwy. at crossing on curve. (Note 2.) El. 1678.008 ft.
- X-2 1909; At Indianapolis, Custer Co., nearly opposite a large grain elevator; just inside R/W of CRI&P RR; 44 m. SE. of a point on C/L of main track. (Note 2.) El. 1666.165 ft.
- Y-2 1909; Custer Co., about 3.8 mi. W. of Indianapolis; 650 ft. SW of CRI&P RR pile trestle #5768 over Turtle Creek; 32 m. NW. of C/L of main track; on N. line of E-W hwy. at crossing near mile pole 577. (Note 2.) El. 1530.046 ft.

- Z-2 1909; Custer Co., about 1.4 mi.NE.of Clinton; 0.5 mi.E.of crossing of CRI&P RR and St.L. & SF.RR; on S.end of bridge seat of E.concrete abutment of one-span steel bridge of former railway over Washita River. (Note 1.) El. 1490.368 ft.
- A-3 1909; At Clinton, Custer Co., directly opposite N.end of St.L & SF.RR passenger depot; 8.4 m.E.of C/L of main track. (Note 11.) El. 1517.169 ft.
- B-3 1909; At Clinton, Custer Co., at SW.cor.of Frisco Ave.& Fifth St. in first stone above Frisco Avenue sidewalk; on W.end of brick and stone bldg. of C.G.Welch. (Note 1.) El. 1565.486 ft.
- C-3 1909; At Clinton, Custer Co., near cor.of Choctaw Ave.& Sixth St. on W.cor. of SW.concrete pier supporting city water tower.(Note 4.) El. 1566.276 ft.

For additional elevations in Clinton see "Clinton to Vernon Tex."Line #66."
"Selling to Clinton" Line #30; also 9-D Traverse.

- D-3 1909; Custer Co., about 1 mi.N.of Clinton; on face of N.concrete abutment of plate girder bridge, on which the A.T.& S.F. RR crosses the G.R.I.P. RR; 1 m. above tracks of latter railway & 2 m.from E.face of abutment. (Note 4) El. 1496.408 ft.
- E-3 1909; Custer Co., about 3 mi.W.of Clinton;just inside R/W of CRI&P RR;12 m. N. of C/L of main line track; 110 m.W.of private road crossing at top of grade. (Note 2.) El. 1547.375 ft.
- F-3 1909; Custer Co.,about 2 mi.N.E.of Parkersburg;on SE.stone support of railroad water tank. (Note 5.) El. 1544.866 ft.
- G-3 1909; Custer Co., at Parkersburg; 135 m.W.of railroad station; 17 m.S. of C/L main track of C.R.I.P. RR; at W.end of cut on edge of swamp. (Note 2). El. 1524.715 ft.
- H-3 1909; Custer Co., about 5.7 mi.W.of Parkersburg; 1 pole E.of mile pole 591; at Alfalfa spur of C.R.I.P. RR; just inside road line; near RR property cor;near NS road crossing; 14 m.S.of C/L of main track at E-W road crossing. (Note 2.) El. 1578.199 ft.
- I-3 1909; Washita Co., at Foss; about 100 m.E.of C.R.I.P. RR depot; 8 m.S. of C/L of main track; 45 m.E.of Adams St. Crossing; in front of Foss Mill & Elevator Co's building. (Note 11.) El. 1625.659 ft.
- J-3 1909; At Foss,Washita Co., at NW.cor.of Adams and Main Sts.slightly above sidewalk on a projecting basement stone at SW.cor.of brick bldg.of Foss Mercantile Co. (Note 5). El. 1640.886 ft.
- K-3 1909; At Foss, Washita Co., near W.end of CRI&P RR. Depot on NE.cor.of E. one of two stone piers nearest track which support columns of RR.water tank. (Note 5) El. 1628.550 ft.
- L-3 1909; Washita Co., about 3.7 mi.W.of Foss; just inside R/W of CRI&P RR; 2 poles W.of mile pole 598; at W.end of cut on third curve W.of Foss, and 14 m.S.of C/L of main track. (Note 2.) El. 1758.143 ft.
- M-3 1909; At Canute, Washita Co., just inside R/W of CRI&P RR; E. end of section house, nearly opposite E.end of RR depot and 45 m.N.of C/L of main track. (Note 2.) El. 1903.234 ft.
- N-3 1909; Washita Co., about 3.4 mi.W.of Canute; on base of SE one of four central stone piers supporting wooden columns of water tank belonging to CRI&P RR. (Note 5). El. 1944.471 ft.
- O-3 1909; Beckham Co., about 1.6 mi.E.of Elk City;near fence line on E.side of road at crossing 1 mi.W.of Washita-Beckham Co.line road; 15 m.S.of C/L of main track of CRI&P RR. (Note 2). El. 1942.854 ft.
- P-3 1909; Elk City, Beckham Co., on R/W of CRI&P RR; 43.6 m. E. of E.cor.of RR. Sta., and 17 m.SE.of C/L of main track. (Note 11). El. 1914.255 ft.
- Q-3 1909; At Elk City, Beckham Co., at SE.cor.of Broadway and Main Sts; 0.7 m. above sidewalk; in water-table stone on left side of cor.entrance to Thurmond Bldg. occupied by First State Bank. (Note 1) El. 1926.285 ft.
- R-3 1909; At Elk City, Beckham Co., at NW.cor.of Jefferson and Broadway Sts. on stone window sill near sidewalk level on S.side of bldg.occupied by German State Bank. (Note 5) El. 1931.089 ft.
- S-3 1909; Beckham Co., about 5.0 mi.SW.of Elk City; just inside R/W of CRI&P RR; at NW.cor.of road crossing at highest point of RR between El Reno and Sayre; 14 m.N. of C/L of main track. (Note 2) El. 2092.237 ft.
- T-3 1909; At Meritt, Beckham Co., directly opposite station of CRI&P RR; 42 m. N.of C/L main track and just E.of gate to private road. (Note 11) El. 2051.233 ft.
- U-3 1909; At Doxey, Beckham Co. on S.side of one of stone piers supporting columns of CRI&P RR water tank. This pier is W.one of second row from track; (Note 5) El. 1837.982 ft.
- V-3 1909; At Doxey, Beckham Co., 18.1 m.E.of E.end of CRI&P RR Depot and 10.7 m. N. of C/L of main track. (Note 2) El. 1837.500 ft.
- W-3 1909; Beckham Co.,about 1.2 mi.E.of CRI&P RR.Depot at Sayre; 10.5 m.S.of C/L of main track; on E. line of N-S road at crossing. (Note 2). El. 1839.596 ft.
- X-3 1909; Beckham Co., about 0.7 mi.E.of depot; in center of top S.spandrel wall of small conc. culvert on CRI&P RR. (Note 4) El. 1817.949 ft.
- Y-3 1909; At Sayre, Beckham Co., at SW.cor.of Main and Fourth Sts. 1 decimeter

- above Main St. sidewalk; on base stone near center of N. face of Thurmond Block; the corner room of which is occupied by First State Bank. (Note 1.) El. 1807.093 ft.
- Z-3 1909; At Sayre, Beckham Co., just W. of CRI&P RR dining house; directly across from coal chutes at depot; 45 m.S. of C/L of main track; on S. fence line of E-W road (Note 11.) El. 1810.564 ft.
- A-4 1909; Beckham Co., about 4.1 mi.W. of CRI&P RR depot at Sayre; 4 poles W. of mile pole 631, near private road crossing at W. end of first sizeable sandy cut W. of Cane Mill Spur, 15 m.N. of C/L of track. (Note 2.) El. 1844.832 ft.
- B-4 1909; At Hext Ranch, Beckham Co., 45 m.N. of C/L of main track of CRI&P RR; 115 m.W. of NW. property cor. at road crossing near cotton gin. (Note 2.) El. 1930.518 ft.
- C-4 1909; Beckham Co., about 2.0 mi.E. of Erick; just inside R/W; at E. end of sandy cut on CRI&P RR; 1 pole W. of mile pole 639; 14 m.N. of C/L of main track. (Note 2.) El. 2024.507 ft.
- D-4 1909; At Erick, Beckham Co.; at cor. of Main and Broadway Sts. on E. face of First State Bank Bldg. in base stone to left of cor. entrance; 1 decimeter above sidewalk; (Note 1.) El. 2061.384 ft.
- E-4 1909; At Erick, Beckham Co., 130 m.W. of ticket office in CRI&P RR Depot; 75 m.W. of Main St. crossing; 12.8 m.N. of C/L of main track in line with telegraph poles. (Note 11.) El. 2061.439 ft.
- F-4 1909; Beckham Co. about 2.6 mi.W. of Erick; 14 m.N. of C/L of main track of CRI&P RR; just inside R/W; at NW. intersec. at hwy. crossing. (Note 2.) El. 2022.069 ft.
- G-4 1909; At Texola, Beckham Co., 650 ft.E. of Ticket Office in CRI&P RR Depot; 315 ft.E. of road crossing; 10.9 m.N. of C/L of main track in line with telegraph pole and just W. of sec. house. (Note 11.) El. 2147.325 ft.
- H-4 1909; At Texola, Beckham Co. on E. end of conc. foundation of CRI&P RR depot; 1.15 m. from SE. cor. of bldg. 0.25 m. above ground and 1.2 m. below top of window sill. (Note 1.) El. 2151.406 ft.

U. S. Coast & Geodetic Survey - Second Order Leveling.
Line #27 From Mangum Okla., to Atoka, Okla.

- Q-30 1934; Greer Co., 1.3 mi.E. of Mangum; W. of Granite at CRI&P RR crossing; 40 ft.S. of track; 40 ft.W. of C/L of road in R/W fence corner; 1000 ft. SE of farmhouse. (Note 1.) El. 1598.258 ft.
- P-30 1934; Greer Co., 4 mi.W. of Granite on CRI&P RR; at river bridge #926; $\frac{1}{4}$ mi.W. of RR crossing; mark in E. end of bridge in S. end of E. pier; 5 ft. below track; standard disk set in concrete abutment. (Note 1.) El. 1539.685 ft.
- N-30 1934; Greer Co., 1 $\frac{3}{4}$ mi.W. of Granite on CRI&P RR at road crossing and section line; 80 ft.S. of track; 35 ft.E. of C/L of road; in fence cor. (Note 1.) El. 1587.503 ft.
- L-30 1934; Greer Co., at Granite; in SE. cor. of CRI&P RR depot; set vertical 0.5 ft. above ground. (Note 1.) El. 1604.288 ft.
- M-30 1934; Greer Co., at Granite P. O. set vertical in NE cor. of brick wall 5 ft. above ground (Note 1.) El. 1618.409 ft.
- K-30 1934; Kiowa Co., 6.4 mi.E. of Granite; approx. .5 mi.N. of Granite Reformatory; on CRI&P RR at road crossing; 40 ft.S. of track in R/W fence line; 30 ft.E. of C/L of RR. (Note 1.) El. 1614.288 ft.
- J-30 1934; Kiowa Co., 4.8 mi.W. of Lone Wolf depot; on CRI&P RR bridge over N. fork of Red River at S. end of E. abutment; 5 ft. below track. (Note 1.) El. 1552.917 ft.
- H-30 1934; Kiowa Co., 2.1 mi.W. of Lone Wolf; at intersection of CRI&P RR and section line road; 40 ft.S. of track in fence cor.; 60 ft.W. of C/L of road. (Note 1.) El. 1602.479 ft.
- G-30 1934; Kiowa Co., 400 ft.SW from CRI&P RR depot; in NW leg of concrete base of water tower 4" above ground; 200 ft.S. of track; (Note 1.) El. 1574.091 ft.
- F-30 1934; Kiowa Co., at Lone Wolf P.O.; 6 ft.S. of W. entrance; in brick wall 5 ft. above ground vertical; 1 block S. of CRI&P track. (Note 1.) El. 1576.742 ft.
- E-30 1934; Kiowa Co., 1.0 mi.E. of Lone Wolf RR. depot, at intersec. of CRI&P RR and K.C.M.&O. RR; 100 ft.N. of CRI&P track and 75 ft.E. of Orient track. (Note 1.) El. 1574.446 ft.
- D-30 1934; Kiowa Co., 3.2 mi.E. of Lone Wolf depot; on CRI&P RR at crossing; 400 ft.SW. of meter house of pump line; 40 ft.N. of track and 30 ft.W. of C/L of road. (Note 1.) El. 1585.627 ft.
- C-30 1934; Kiowa Co., 4.5 mi.W. of Hobart at CRI&P RR crossing; 75 ft.N. of track 40 ft.W. of road C/L. (Note 1.) El. 1568.189 ft.
- B-30 1934; Kiowa Co., 2.3 mi.W. of Hobart CRI&P RR depot; at RR crossing; 100 ft. N. of track; 200 ft.E. of RR crossing; in N. fence line; at telephone pole #8. (Note 1.) El. 1507.192 ft.
- A-30 1934; Kiowa Co., at Hobart in CRI&P RR depot; 6 ft. to left of white waiting room door; 5 ft. above ground vertical; S. wall facing track. (Note 1.) El. 1550.906 ft.
- A-29 1934; Kiowa Co., 0.2 mi. S. of St. L & S.F. RR depot; 30 ft.W. of track,

- about level with rails; 40 ft. S. of CRI&P RR track at junction with St.L. & S. F. RR in SW cor. of RR crossing. (Note 1) El. 1538.865 ft.
- R-30 1934; Kiowa Co., 2.0 mi.E. of CRI&P RR depot at Hobart; at OK Hwy.# 9 and four corners; also RR crossing; State Hwy. MP;50 ft. N. of track. (Note 1) El. 1566.693 ft.
- S-30 1934; Kiowa Co., 3.7 mi.E. of Hobart depot on CRI&P underpass; bridge #673 10 ft. below track; 100 ft. N. of track in fence line; (Note 1) El. 1548.796 ft.
- T-30 1934; Kiowa Co., 5.8 mi.E. of Hobart depot; on CRI&P RR at crossing; 400 ft. E. of Komalty depot; 75 ft.S. of track in fence line; just E. of, and across road from P. O. (Note 1) El. 1559.636 ft.
- U-30 1934; Kiowa Co., 7.9 mi.E. of Hobart depot; at CRI&P RR intersection with section line; 50 ft.S. of track; 40 ft.E. of road, in fence cor. (Note 1) El. 1514.052 ft.
- V-30 1934; Kiowa Co., 9.9 mi.E. of Hobart depot; at CRI&P RR and section line intersec. 100 ft.S. of track; 40 ft.E. of G/L of road; in fence cor. 1200 ft.E. of bridge #613; (Note 1) El. 1467.573 ft.
- W-30 1934; Kiowa Co., 0.7 mi.W. of Gotebo; at CRI&P RR crossing 100 ft. S. of track; 400 ft.SE. of wood trestle #591; at NW. cor. hwy. bridge level with track. (Note 1) El. 1421.277 ft.
- Y-30 1934; Kiowa Co., 1000 ft.W. of CRI&P RR depot; at S. side of track, 30 ft. SE. of Standard Oil bulk station. (Note 1) El. 1430.184 ft.
- Z-30 1934; Kiowa Co., 2.2 mi.E. of CRI&P RR depot, Gotebo; $\frac{1}{2}$ mi.W. of sec. line and cross roads; in SE. cor. of hwy. bridge; 125 ft.N. of CRI&P RR. bridge #562. (Note 1) El. 1418.435 ft.
- X-30 1934; Kiowa Co., at Gotebo P.O. in second step entering the post office. (Note 1) El. 1432.297 ft.
- A-31 1934; Kiowa Co., 4.5 mi.E. of CRI&P RR depot at Gotebo; at sec. line and cross roads; about 0.1 mi.S. of a cluster of farm bldgs., 50 ft.S. of OK.Hwy.# 9. (Note 1) El. 1414.902 ft.
- B-31 1934; Kiowa Co., 6.6 mi.E. of Gotebo; in SW. cor. of concrete underpass on OK. Hwy. # 9; 12 ft. directly below RR. track. (Note 1) El. 1349.088 ft.
- C-31 1934; At Mountain View, Kiowa Co., about 60 ft.W. of CRI&P RR depot; in NW cor. of park; 30 ft.S. of RR track. (Note 1) El. 1335.640 ft.
- D-31 1934; At Mountain View, Kiowa Co., 1 block S. of CRI&P RR depot; set vertical in a two story brick bldg., drug store; in E. wall, 5 ft. above walk and 15 ft.S. of NE cor. (Note 1) El. 1339.098 ft.
- E-31 1934; Kiowa Co., 2.1 mi.E. of CRI&P RR depot at Mountain View; on RR crossing and section line; 40 ft.S. of track and 30 ft.W. of section line road; 5 ft. below track. $\frac{1}{4}$ mi.S. of farmhouse. (Note 1) El. 1333.488 ft.
- F-31 1934; Kiowa Co., 4.1 mi.E. of Mountain View; in fence line of CRI&P RR; on top of small cut; 10 ft. above track; 75 ft.S. of sec. line; $\frac{1}{2}$ mi.S. of cluster of heavy timber. (Note 1) El. 1364.597 ft.
- G-31 1934; Kiowa Co., 6.3 mi.E. of CRI&P RR depot at Mountain View; in S. end of W. concrete abutment of RR. bridge #446; 6 ft. below & 4 ft.S. of track; $\frac{1}{2}$ mi.N. of OK.Hwy. #9; near sec. line road; (Note 1) El. 1307.950 ft.
- H-31 1934; Caddo Co., at Carnegie Fire Sta., center of W. wall to left of door vertical 5 ft. high; just across street from P.O. (Note 1) El. 1312.478 ft.
- J-31 1934; At Carnegie, Caddo Co., in center of Carnegie Public Park; just across track and SE. from depot. (Note 1) El. 1308.311 ft.
- K-31 1934; Caddo Co., 1.3 mi.E. of Carnegie; at overhead crossing of OK.Hwy.#9; E. side at foot of S. concrete support; about 6 ft. above track and 8 ft.S. on a footing extending eastward; 1000 ft. W. of sec. line. (Note 1) El. 1351.428 ft.
- L-31 1934; Caddo Co., 3.6 mi.E. of Carnegie CRI&P RR depot; 20 ft.W. of RR crossing 60 ft.S. of track in fence line; house $\frac{1}{2}$ mi.E. of mark and wooded creek N. of track. (Note 1) El. 1304.961 ft.
- M-31 1934; Caddo Co., 5.8 mi.E. of CRI&P RR depot, Carnegie; 50 ft.N. of track in fence line; 60 ft.W. of crossing; $\frac{1}{2}$ mi.S. from wooded stream. (Note 1) El. 1283.219 ft.
- N-31 1934; Caddo Co., 8.2 mi.E. of CRI&P RR depot, Carnegie, at RR crossing; 40 ft. S. of track $\frac{1}{2}$ mi.E. of road corner at MP. 69-25; (Note 1) El. 1274.131 ft.
- P-31 1934; Caddo Co., 0.3 mi.W. of CRI&P RR depot, Fort Cobb; in W. edge of Ft. Cobb at RR crossing; 40 ft.S. of track in fence line and 30 ft.E. of road. (Note 1) El. 1259.453 ft.
- Q-31 1934; Caddo Co., at CRI&P depot, Ft. Cobb; 25 ft.S. of track, 15 ft.W. of OK. Hwy. # 9; in fence line (Note 1) El. 1254.824 ft.
- R-31 1934; Caddo Co., at Ft. Cobb in bank bldg., in E. wall near NE. cor. of door; set vertically about 5 ft. above walk. (Note 1) El. 1258.321 ft.
- S-31 1934; Caddo Co., 1.7 mi.E. of CRI&P RR. depot, Ft. Cobb; at RR crossing; 60 ft. S. of track and 20 ft.E. of road. (Note 1) El. 1260.736 ft.
- T-31 1934; Caddo Co., 5.5 mi.E. of CRI&P RR depot, Ft. Cobb; in SE. cor. of W. retaining wall of steel RR bridge #266; 5 ft.S. of track and level with rails; $\frac{1}{2}$ mi.SE. of OK.Hwy.#9. (Note 1) El. 1231.087 ft.
- U-31 1934; Caddo Co., at Washita depot; 100 ft.S. of CRI&P RR at crossing; 50 ft.

- W. of track; 20 ft. N. of road, in fence line. (Note 1) El. 1225.276 ft.
 V-31 1934; Caddo Co., 2.1 mi. S. of Washita depot; at RR crossing; 100 ft. E. of
 CRI&P RR track, in fence corner; 20 ft. N. of road; in wooded country. (Note 1). El. 1204.542 ft.
- W-31 1934; Caddo Co., 1.4 mi. W. of CRI&P RR depot, Anadarko; in E. end of concrete
 retaining wall of RR bridge, top of S. wall level with track. (Note 1). El. 1189.935 ft.
- X-31 1934; Caddo Co., 5.1 mi. W. of CRI&P RR depot, Anadarko. at RR. crossing,
 80 ft. N. of track, in fence cor., 12 ft. E. of road; 1000 ft. N. of small farmhouse.
 (Note 1). El. 1198.534 ft.
- Y-31 1934; Caddo Co., at Anadarko in E. front of County Courthouse; in second
 step on S. side; about 2 ft. above ground. (Note 1). El. 1190.070 ft.
- Z-31 1934; Caddo Co., at Anadarko, in City Hall; W. end of bldg., in first step;
 at 4th. & Main St. (Note 1). El. 1183.252 ft.
- A-36 1934; Caddo Co., 0.7 mi. E. of CRI&P RR depot, Anadarko; at RR crossing;
 30 ft. S. of track; 40 ft. W. of sec. line road. (Note 1). El. 1183.902 ft.
- B-36 1934; Caddo Co., 2.9 mi. E. of CRI&P RR depot, Anadarko. at RR. crossing;
 40 ft. S. of track; 15 ft. W. of road; $\frac{1}{2}$ mi. N. of OK. Hwy. #9; farmhouse $\frac{1}{4}$ mi. NE. (Note 1).
 El. 1158.977 ft.
- C-36 1934; Caddo Co., 5.6 mi. E. of CRI&P RR depot, Anadarko; in NE. cor. of con-
 crete bridge in top of abutment, OK. Hwy. #9; 60 ft. S. of CRI&P RR. about level with
 track. (Note 1). El. 1158.216 ft.
- D-36 1934; Caddo Co., 7.0 mi. E. of CRI&P RR depot, Anadarko; 50 ft. S. of track;
 in NE. cor. of top of abutment of bridge, OK. Hwy. #9. (Note 1). El. 1139.860 ft.
- E-36 1934, Verden, Grady Co., SW. from CRI&P RR depot; 150 ft. S. of track; 10 ft.
 E. of sidewalk. (Note 1). El. 1135.263 ft.
- F-36 1934; Verden, Grady Co., at Verden Bank; W. of door; set vertically 5 ft.
 above walk; 6 ft. E. of SE. cor. of bldg., 1 block N. of depot. (Note 1).
 El. 1138.069 ft.
- G-36 1934; Grady Co., 1.7 mi. E. of CRI&P RR depot, Verden; at crossing and 4
 corners; in NE. cor. of U.S. Hwy. #62 bridge; level with and 60 ft. S. of track; house on
 S. side of road. (Note 1). El. 1126.094 ft.
- H-36 1934; Grady Co., 3.8 mi. E. of CRI&P RR depot, Verden; 30 ft. S. of track and
 12 ft. E. of road at RR. crossing; via US. Hwy. #62; near filling station. (Note 1).
 El. 1110.401 ft.
- J-36 1934; Grady Co., 5.9 mi. E. of CRI&P RR depot, Verden; in fence line of
 CRI&P RR; 30 ft. S. of track, 25 ft. N. of C/L of U.S. Hwy. #62. (Note 1). El. 1103.846 ft.
- K-36 1934; Grady Co., at W. edge of Chickasha where U.S. Hwy. #81 crosses CRI&P RR
 track; 1 mi. N. of Oklahoma College for Women; 40 ft. S. of RR. track, 30 ft. W. of C/L of
 U.S. Hwy. #81. (Note 1). El. 1092.222 ft.
- F-41 1934; Grady Co., at Chickasha; on NW. abutment of AT&SF RR bridge over
 Lime Creek; 45 ft. SE. of intersec. of CRI&P RR track and AT&SF RR track; 40 ft. NE. of
 CRI&P RR bridge over Lime Creek; 2 ft. below SW. rail. (Note 1). El. 1091.366 ft.
- Chickasha, 1934; Grady Co., at Chickasha; set vertically on extreme NW. cor. of
 Chickasha water plant; 33 ft. N. of steps to W. entrance of bldg; $2\frac{1}{2}$ ft. above ground
 in concrete foundation of brick bldg. (Note 1). El. 1093.147 ft.
- E-41 1934; Grady Co., at Chickasha; set vertically in E. face of stucco and
 brick CRI&P RR depot; 18 ft. S. of ticket office window; 5 ft. N. of N. door to main wait-
 ing room entrance and $3\frac{1}{2}$ ft. above platform. (Note 1). El. 1095.093 ft.
- D-41 1934; Grady Co., at Chickasha; set vertically 2 ft. N. of E. cor. Chickasha
 Federal bldg. in pillar stone resting in foundation corner stone; $3\frac{1}{2}$ ft. above ground.
 (Note 1). El. 1095.867 ft.
- G-41 1934; Grady Co., 1.0 mi. S. of CRI&P RR depot, Chickasha; 0.1 mi. SE. of
 junction of main line and Lindsay spur of CRI&P RR; 375 ft. SE. of RR bridge 437.1;
 105 ft. NE. of sec. house; 36 ft. E. of nearest rail of Lindsay spur line. (Note 1).
 El. 1083.348 ft.
- H-41 1934; Grady Co., 2.9 mi. SE. of CRI&P RR depot, Chickasha; 0.7 mi. SE. of
 CRI&P RR bridge #438.5; 0.3 mi. SE. of MP. 439; 54 ft. N. of near rail of track; 33 ft.
 W. of C/L of sec. line road; on RR property. (Note 1). El. 1095.177 ft.

U. S. Coast & Geodetic Survey - Second Order Leveling
 Line #28 - Woodward, Okla. to Quanah, Tex.
 Elk City - Red River Section.

For additional elevations see Line #25 - El Reno to Jericho, Tex.

- X-25 1934; Beckham Co., 5.3 mi. NW. of MK&T RR. depot, Elk City; 0.35 mi. N. of
 MP. 139; 36 ft. S. of C/L sec. line road; on R/W line; 26 ft. E. of MK&T Ry. property
 line. 24 ft. W. of near rail. (Note 1). El. 2006.262 ft.
- Y-25 1934; Beckham Co., 3.2 mi. NW. of MK&T RR depot, Elk City; set on NE. cor.
 wingwall of conc. MK&T overpass over US. hwy. # 66. (Note 1). El. 1947.847 ft.
- Z-25 1934; Beckham Co., 2.0 mi. NW. of MK&T RR depot, Elk City; set vertically
 in face of NW. retaining wall of CRI&P RR overpass over MK&T RR; 4 ft. above track.
 (Note 1). El. 1901.545 ft.

- A-26 1934; Elk City, Beckham Co., set vertically in W. face of First Nat'l. Bank Bldg. at cor. of Broadway & Main Sts; 1 ft. N. of main entrance, 4 ft. above sidewalk. (Note 1). El. 1928.402 ft.
- B-26 1934; Elk City, Beckham Co., set vertically in SE. wall of MK&T RR depot; in center between two windows SW. of waiting room main entrance; 4 ft. above platform. (Note 1). El. 1916.640 ft.
- C-26 1934; Beckham Co., 0.9 mi. SW. of MK&T RR depot, Elk City; 0.3 mi. SW. of MP. 135; 275 ft. SE. of cotton ware house; 150 ft. E. of C/L of sec. line road; 35 ft. S. of near rail main track MK&T RR. (Note 1). El. 1947.729 ft.
- D-26 1934; Beckham Co., 3.1 mi. SW. of MK&T RR depot, Elk City; 0.3 mi. SW. of MP. 133; 54 ft. E. of intersec. of MK&T RR and sec. line road; on RR R/W line and sec. line S. R/W. (Note 1). El. 2010.321 ft.
- E-26 1934; Beckham Co., 5.3 mi. SW. of MK&T RR depot, Elk City; 0.5 mi. S. of MP. 131; 0.1 mi. E. of C. P. Fitzgerald Stock Farm; 48 ft. NW. of intersec. MK&T RR and sec. line road; on N. sec. line R/W and W. RR. property line. (Note 1). El. 2061.741 ft.
- G-26 1934; Beckham Co., 6.5 mi. NE. of MK&T RR depot, Carter; 0.2 mi. E. of Belleview Cemetery; 54 ft. E. of near rail of MK&T RR track; 30 ft. N. of C/L sec. line road; in SE. fence cor. of RR property. (Note 1). El. 1957.457 ft.
- F-26 1934; Beckham Co., 7.3 mi. SW. of MK&T RR depot, Elk City; 0.4 mi. S. of Hocker Sta. sign; 60 ft. NE. of intersec. of MK&T RR and sec. line road; in SE. cor. of RR property. (Note 1). El. 2029.573 ft.
- H-26 1934; Beckham Co., 4.3 mi. NE. of MK&T RR depot, Carter; 0.2 mi. W. of air plane beacon on N. side of sec. line road; 0.2 mi. N. of MP 124; 48 ft. W. of near rail MK&T RR track; 36 ft. N. of sec. line road; in SW fence cor. of RR property. (Note 1). El. 1922.949 ft.
- J-26 1934; Beckham Co., 1.7 mi. NE. of MK&T RR depot, Carter; 0.2 mi. NW. of MP 122; 0.1 mi. N. of sec. line road crossing MK&T RR; 53 ft. W. of near rail of track; on W. side of property fence line. (Note 1). El. 1866.112 ft.
- K-26 1934; Carter, Beckham Co., 0.1 mi. SW. of MP 120; 63 ft. W. of MK&T RR depot, Carter; 48 ft. W. of near rail, main track; (Note 1). El. 1820.977 ft.
- L-26 1934; Beckham Co., 2.0 mi. SW. of MK&T RR depot, Carter; 0.1 mi. S. of MP 118; 48 ft. W. of near rail of MK&T RR; 24 ft. N. of C/L sec. line road; at SW cor. RR property and on sec. line road R/W. (Note 1). El. 1764.383 ft.
- M-26 1934; Beckham Co., 4.1 mi. SW. of MK&T RR depot, Carter; 0.2 mi. S. of MP 116; 250 ft. W. of C/L of OK. Hwy. #34; 56 ft. E. of near rail of MK&T RR; 3 ft. below level of track. (Note 1). El. 1688.005 ft.
- N-26 1934; Beckham Co., 6.2 mi. S. of MK&T RR depot, Carter; 0.3 mi. S. of MP. 114; 42 ft. E. of near rail of MK&T RR; 21 ft. N. of C/L of sec. line road; at SE fence cor. of RR property and on sec. line road R/W. (Note 1). El. 1741.525 ft.
- P-26 1934; Moravia, Beckham Co., 310 ft. SE. of MK&T RR depot; 0.2 mi. S. of MP 113; 75 ft. E. of near rail of MK&T main track; 42 ft. N. of C/L sec. line road; 75 ft. NE. of Beckham and Greer Co. sign post. (Note 1). El. 1773.271 ft.
- R-26 1934; Greer Co., 3.4 mi. N. of MK&T RR depot at Brinkman; 0.6 mi. N. of MK&T RR depot, Willow; 0.25 mi. S. of MP 109; 45 ft. W. of near rail MK&T track; 26 ft. N. C/L sec. line road; at SW cor. RR property line. (Note 1). El. 1747.093 ft.
- S-26 1934; Greer Co., 1.4 mi. N. of MK&T RR depot, Brinkman; 0.4 mi. S. of MP. 107; 53 ft. W. of near rail MK&T track; 42 ft. N. of C/L sec. line road; 6 ft. N. of sec. line road R/W line; on RR property line. (Note 1). El. 1731.821 ft.
- T-26 1934; Brinkman, Greer Co., 0.25 mi. N. of MP 105; 132 ft. W. of N. end of MK&T RR depot; 111 ft. W. of near rail of main track; in fence line of RR property. (Note 1). El. 1694.199 ft.
- U-26 1934; Greer Co., 1.6 mi. S. of MK&T RR depot, Brinkman; 0.25 mi. S. of MP 104; 60 ft. E. of near rail MK&T track; 30 ft. N. of C/L sec. line road on R/W; at SE. cor. of RR property fence. (Note 1). El. 1650.059 ft.
- V-26 1934; Greer Co., 3.6 mi. S. of MK&T RR depot, Brinkman; 0.2 mi. S. of MP 102; 54 ft. E. of near rail of MK&T track; 30 ft. S. of C/L sec. line road; in NE fence cor. of RR property. (Note 1). El. 1590.948 ft.

For additional elevations in vicinity of Mangum, see USC&GS Line # 27 and Traverse 25-H.

- W-26 1934; Greer Co., 4.5 mi. NW. of MK&T RR depot, Mangum; 110 ft. S. of MP 100; 51 ft. W. of near rail MK&T track; half way between N-S sec. line RR crossing and E-W sec. line RR crossing. (Note 1). El. 1554.987 ft.
- X-26 1934; Greer Co., 2.6 mi. N. of MK&T RR depot, Mangum; 0.2 mi. SE. of intersec. of MK&T RR and US Hwy. #283; 84 ft. SW. of MP 98; 40 ft. SW. of near rail; on RR property line. (Note 1). El. 1566.221 ft.
- Y-26 1934; Greer Co., 0.9 mi. NW. of MK&T RR depot, Mangum; 0.4 mi. N. of MP 96; 105 ft. SW. of intersec. of MK&T RR and CRI&P RR; 65 ft. W. of near rail main track MK&T RR; 33 ft. S. of near rail main track CRI&P RR. (Note 1). El. 1595.263 ft.
- Z-26 1934; Mangum, Greer Co., at MK&T RR depot; set vertically midway between two windows; S. of waiting room entrance; 4 ft. above platform. (Note 1). El. 1585.935 ft.
- Mangum No. 1 1934; Mangum Greer Co., at W. entrance of Greer Co. courthouse;

- set in granite bannister at S.end of steps. (Note 1). El. 1605.581 ft.
Mangum No.2 1934; Mangum Greer Co. at cor.of Van Buren and Minnesota Sts.in SE cor.of Harmon Field; 16 ft.N.of SE entrance; 5 ft.W. of E.fence. (Note 1).
El. 1599.544 ft.
- A-27 1934; Greer Co., 1.6 mi.SE of MK&T RR depot,Mangum; 0.15 mi.SE of MP 94; 54 ft.N.of near rail MK&T track; 21 ft.E.of C/L sec.line road;in NW cor. of RR prop-erty; (Note 1). El. 1541.863 ft.
- B-27 1934; Greer Co., 2.0 mi.NW of MK&T RR,Hester; 0.35 mi.SE of MP 92; 57 ft.N of near rail MK&T track; 27 ft.E.of C/L N-S sec.line road;on fence line of RR property (Note 1). El. 1496.336 ft.
- C-27 1934; Greer Co., 0.6 mi.N of MK&T RR depot, Hester; 297 ft.SW of MP 90; 132 ft.S.of sec. line road; 42 ft.W of near rail MK&T track. (Note 1).
El. 1474.098 ft.
- D-27 1934;Greer Co., 1.3 mi.S of MK&T RR depot, Hester; 6 ft.S of MP 88; 0.2 mi. S. of C/L of E-W sec. line road; 42 ft.W of near rail MK&T track; (Note 1).
El. 1457.248 ft.
- E-27 1934; Jackson Co., 3.4 mi.SE of MK&T RR depot, Hester; 0.1 mi.SE of MP 86; 54 ft.E.of near rail MK&T track; 33 ft.W of C/L sec.line road; on fence line of RR property. (Note 1). El. 1432.638 ft.
- F-27 1934; Jackson Co., 1.0 mi.NW of MK&T RR depot, Martha; 0.3 mi.NW of MP 84; 30 ft.N of sec.line road; 6 ft.W of near rail MK&T track;center W headwall of concrete culvert. (Note 1). El. 1420.535 ft.
- G-27 1934; Jackson Co., 0.2 mi.SE of MK&T RR depot, Martha; 0.2 mi.NW of MP 83; 0.1 mi.E of Martha High School; 65 ft.S of Southwestern Light & Power Co.sub-station; 30 ft.S of C/L sec.line road; 57 ft.E of near rail MK&T track. (Note 1).
El. 1408.508 ft.
- H-27 1934; Jackson Co., 1.9 mi.SE of MK&T RR depot,Martha;0.4 mi.NW of MP 81; 40 ft.W of intersec.MK&T RR and N-S sec.line road; on RR property line. (Note 1).
El. 1399.282 ft.
- J-27 1934;Jackson Co., 3.5 mi.NW of MK&T RR depot,Altus; 0.2 mi.NW of MP 79; 132 ft.SE of intersec. of MK&T RR and N-S sec. line road; on RR property line.(Note 1)
El. 1392.107 ft.
- K-27 1934; Jackson Co., 1.4 mi.W of MK&T RR depot, Altus; 0.2 mi.S of RR water tank; 0.15 mi.N of MP 77; 350 ft.W of AT&SF RR water tank; 60 ft.E.of near rail main track of MK&T RR; 250 ft.N of Welon Station on MK&T RR. (Note 1). El. 1394.813 ft.
- L-27 1934;Altus,Jackson Co.; at MK&T RR depot;set vertically in face of S wall of depot; 20 ft. E.of ticket office window; 15 ft.W of E end of bldg. (Note 1)
El. 1389.341 ft.
- M-27 1934; Altus, Jackson Co.; in N bannister of steps, El. 1389.341 ft.
main entrance of Federal Bldg., at SW cor.Broadway & Hudson Sts., 2½ ft.W of light post. (Note 1). El. 1398.012 ft.
- N-27 1934; Jackson Co., 2.8 mi.S of MK&T RR depot,Altus; 220 ft.SW of MP 690; 115 ft.SW of N-S sec.line road; 48 ft.NW of St. L.& S.F. RR; on RR property line. (Note 1).
El. 1347.855 ft.
- P-27 1934; Jackson Co., 4.8 mi.S of MK&T RR depot,Altus; 0.1 mi.SW of MP 692; 42 ft.N of near rail St. L.& S.F. RR; on fence line of RR property. (Note 1).
El. 1325.312 ft.
- For additional elevations in vicinity of Altus, see USC&GS Line # 35 and Traverse 25-B, 25-E, and 25-F.
- Q-27 1934; Jackson Co., 1.5 mi.NE of St. L. & S.F. RR depot, Olustee; 50 ft.W of near rail of track; 45 ft. NW of MP 694; on RR property line. (Note 1).
El. 1326.953 ft.
- R-27 1934; Jackson Co., at Olustee; 198 ft.E of MP 695.5; 52 ft.NW of NW cor. St. L & SF RR depot;27 ft.N of near rail main track; (Note 1). El. 1336.073 ft.
- S-27 1934; Jackson Co., 1.8 mi.SW of St. L & SF RR depot, Olustee; 0.3 mi.W of MP 697; 48 ft.N of near rail; 48 ft.S of C/L OK.Hwy.#44;30 ft.E C/L sec. line road; on RR property line. (Note 1). El. 1364.794 ft.
- T-27 1934; Jackson Co., 3.9 mi.SW of St. L & SF RR depot, Olustee; 0.3 mi.W of MP 699; 45 ft.N of near rail; 45 ft.S of C/L OK.Hwy.#44;42 ft.E of C/L sec. line road R/W. (Note 1). El. 1378.235 ft.
- U-27 1934; Jackson Co.,5.8 mi.SW of St.L & SF RR depot, Olustee; set in top of old water tank foundation; in S pillar of two W out-side pillars; 0.3 mi.W of MP 701; 60 ft.S of C/L OK Hwy.#44; 18 ft.N of near rail track. (Note 1). El. 1360.237 ft.
- V-27 1934; Jackson Co., 6.2 mi.NE of St. L & SF RR depot, Eldorado; 0.4 mi.SW of St. L & SF station sign "Creta"; 0.2 mi.SW of MP 703; 48 ft.NW of near rail of track;48 ft.SE of C/L of OK.Hwy.#44; on RR property line.(Note 1). El. 1362.773 ft.
- W-27 1934; Jackson Co., 4.0 mi.NE of St. L & SF RR depot, Eldorado;0.35 mi.W of MP 705; 48 ft.S of C/L OK Hwy.#44;39 ft.N of near rail St. L & SF RR; 5 ft.S of fence line of RR property. (Note 1). El. 1443.291 ft.
- X-27 1934; Jackson Co., 2.2 mi.NE of St. L & SF RR depot, Eldorado;0.25 mi.SW of MP 707;46 ft.NW of near rail;42 ft.SE of C/L OK Hwy.#44;6 ft.NE of gate in RR fence line. (Note 1). El. 1497.156 ft.
- Y-27 1934; Eldorado, Jackson Co., 0.4 mi.SW of MP 709; 150 ft.SW of St.L & SF RR depot; 57 ft.S of SW end of depot platform; 53 ft. S of near rail, main track; be-

- tween two poles upholding power transformer. (Note 1). El. 1456.765 ft.
Z-27 1934; Jackson Co.; at Eldorado; set vertically in S. face of Eldorado
brick high school; under window E of main entrance; 4 ft. above ground. (Note 1).
El. 1446.670 ft.
- A-41 1934; Jackson Co., 1.7 mi. SW of St. L & SF RR depot, Eldorado; 0.15 mi. SW
of MP 711; 102 ft. W of C/L sec. line road; 57 ft. SE of C/L OK Hwy. #34; 54 ft. NW of
near rail of RR. (Note 1). El. 1436.198 ft.
- B-41 1934; Jackson Co., 3.7 mi. SW of St. L & SF RR depot, Eldorado; 0.15 mi. S
of MP 713; 45 ft. SE of C/L OK Hwy. #34; 45 ft. NW of near rail St. L & SF RR; on RR
property line. (Note 1). El. 1499.459 ft.
- C-41 1934; Jackson Co., 6.0 mi. SW of St. L & SF RR depot, Eldorado; 0.4 mi. SW
of MP 715; 66 ft. S of E-W sec. line road; 0.3 mi. N of Texas-Oklahoma State boundary line;
45 ft. E of near rail of St. L & SF RR; on N side of RR property fence; 7 ft. W of
fence cor. (Note 1). El. 1451.421 ft.
- A-243 1934; Hardeman Co., Texas; 7.3 mi. NE of FW&D RR depot at Quanah; 0.15
mi. NE of St. L & SF RR sign "Carnes"; 51 ft. E of C/L Texas Hwy. #16; 48 ft. W of near rail
St. L & SF RR; 45 ft. N of MP 717; on hwy. and RR R/W line (Note 1). El. 1475.420 ft.

U.S. Coast & Geodetic Survey - Second Order Leveling.
Line #29; Grandfield to Walters, Okla.

For additional elevation in vicinity of Grandfield see USC&GS Line #39,
Traverses 26C, 26D & 27B.

- V-151 1934; Tillman Co., 1.1 mi. N of, via OK Hwy. #36, from RR depot at Grandfield
NW cor. of intersec., 55 ft. W of C/L of OK Hwy. #36; 46 ft. N of C/L of cross sec. road
on N side of Lake Jean Murry Golf Course; 13.3 ft. N of E-W fence; 3.4 ft. W of N-S fence;
2 ft. above level of hwy. (Note 1). El. 1069.014 ft.
- W-151 1934; Tillman Co., 3.2 mi. N of, via OK Hwy. #36, from RR depot at Grandfield
NE cor. of intersec.; 500 ft. S of dredged drainage ditch; 108 ft. S of S end of concrete
hwy. bridge; 62 ft. W of C/L of OK Hwy. #36; 53 ft. N of C/L of cross sec. road. (Note 1).
El. 1015.244 ft.
- X-151 1934; Tillman Co., 5.2 mi. N of, via OK Hwy. #36, from RR depot at Grandfield;
NE cor. of intersec. diagonally across from small service sta. & store; 121 ft. S of S end
of wooden hwy. bridge; 33 ft. E of C/L of OK Hwy. #36; 33 ft. N of cross sec. road; 2 ft. S
of SW fence cor. (Note 1). El. 1048.118 ft.
- Y-151 1934; Tillman Co., 7.2 mi. N of, via OK Hwy. #36, from RR depot at Grandfield;
SW cor. of intersec.; 34 ft. W of C/L of OK Hwy. #36; 31 ft. S of C/L of cross sec. road;
9.3 ft. SE of power line pole; 5 ft. SW of NE fence cor. (Note 1). El. 1084.004 ft.
- Z-151 1934; Tillman Co., 9.6 mi. N of, via OK Hwy. #36, from RR depot at Grandfield;
SW cor. of intersec. at junction of OK Hwy. #36 & US Hwy. #70; at large "Y" for US Hwy. #70;
35 ft. W of C/L of OK Hwy. #36; 32.5 ft. S of cross sec. road; 22 ft. S of S end of corrugated
pipe culvert for cross road; 3 ft. SW of NE fence cor. (Note 1). El. 1121.717 ft.
- A-153 1934; Cotton Co., 19.4 mi. W of, via US Hwy. #70, from Walters water tank;
Bronze tablet set in E end of S sidewall of hwy. bridge; 380 ft. W of C/L of cross sec.
road; 21.8 ft. S of C/L of U.S. #70. (Note 1). El. 1061.222 ft.
- B-153 1934; Cotton Co., 17.3 mi. W of, via US Hwy. #70, from Walters Water Tank;
Bronze tablet set in N headwall of hwy. culvert at NE cor. of intersec.; 0.1 mi. W of
white house with green trimmings; 198 ft. E of E end of hwy. bridge with concrete side
rails; 49 ft. E of C/L of cross sec. road; 34.6 ft. SE of SW fence cor. 20.6 ft. N of C/L
of US Hwy. #70. (Note 1). El. 1045.395 ft.
- C-153 1934; Cotton Co., 15.3 mi. W of, via US Hwy. #70, from Walters water tank;
NW cor. of intersec.; 500 ft. E of large concrete hwy. culvert; 51 ft. N of C/L of US Hwy.
#70; 33 ft. W of C/L of cross sec. road; 5.5 ft. W of SE fence cor. & telephone pole; 1.7
ft. S of fence. (Note 1). El. 1060.857 ft.
- D-153 1934; Cotton Co., 13.3 mi. W of, via US Hwy. #70, from Walters water tank;
NW cor. of intersec.; 55 ft. N of C/L of US Hwy. #70; 52 ft. W of C/L of cross sec. road;
29.4 ft. W of SE fence cor.; 21 ft. W of C/L of gateway; 2 ft. N of fence. (Note 1)
El. 1078.262 ft.
- E-153 1934; Cotton Co., 11.3 mi. W of Walters water tank, via US Hwy. #70; bronze
tablet in W wingwall of culvert for cross road; SW cor. of intersec.; 51 ft. S of C/L
of US Hwy. #70; 15.5 ft. W of C/L of cross sec. road; 9 ft. E of NE fence cor. (Note 1).
El. 1067.245 ft.
- F-153 1934; Cotton Co., 9.3 mi. W of Walters water tank, via US Hwy. #70; bronze
tablet in E headwall of culvert for cross road; SE cor. of intersec.; diagonal cor. from
Pecan Grove School, Dist. 221; 45 ft. S of C/L of US Hwy. #70; 22.5 ft. W of NW fence cor.;
14 ft. W of C/L of cross sec. road. (Note 1). El. 1025.671 ft.
- G-153 1934; Cotton Co., 8.0 mi. W of Walters water tank, via US Hwy. #70; bronze
tablet in W abutment of steel hwy. bridge; 0.3 mi. E of junction of US Hwy. #70 & OK
Hwy. #5; 13.3 ft. S of C/L of US Hwy. #70; 12.6 ft. W of W end of cable guard rail. (Note 1)
El. 1006.520 ft.
- H-153 1934; Cotton Co., 6.4 mi. W of Walters water tank, via US Hwy. #70; SW cor. of
intersec. E of small hill; about 0.2 mi. S of white schoolhouse; 81 ft. S of C/L of US
Hwy. #70; 36 ft. W of C/L of cross sec. road; 35 ft. S of NE fence cor.; 1.9 ft. E of fence.

(Note 1).

J-153 1934; Cotton Co., 4.4 mi. W of Walters water tank, via US Hwy. #70; SE cor of intersec.; 70 ft. NE of NE cor. of T.H. Norma Service Sta. & Store; 54 ft. S of C/L of US Hwy #70; 28 ft. E of cross sec. road; 4.2 ft. SE of NW fence cor. (Note 1). El. 1060.260 ft.

K-153 1934; Cotton Co., 2.4 mi. W of Walters water tank, via US Hwy. #70; SE cor. of intersec.; 78 ft. SE of S end of concrete hwy. culvert; 56 ft. S of C/L of US Hwy. #70; 37.4 ft. E of C/L of cross sec. road; 3.2 ft. SE of NW fence cor. (Note 1).

El. 1047.741 ft.
El. 1055.336 ft.
For additional elevation in vicinity of Walters, see USC&GS Line #64, Traverse 29B.

U. S. Coast & Geodetic Survey - First Order Leveling.
Line # 34; Manchester to Terral
El Reno to Red River Section

For additional elevations in the vicinity of El Reno see U.S.C. & G.S. Line #27 and 20A Traverse.

1327 Canadian Co., at crossing of E-W, N-S main line of CRI&P RR S part of El Reno; 54 ft. S of E-W line; 44 ft. E of N-S Line. (Note 17). El. 1328.941 ft.

1357 Canadian Co., at El Reno; on NE face of First Natl. Bank; on right hand side of entrance; on second stone above sidewalk. (Note 17). El. 1358.947 ft.

For additional elevations in the vicinity of Union City, see Traverses 19-A, 19-B, 21-A.

1266.5 Canadian Co., about 2 mi. S of Union City, 1000 ft. N of CRI&P RR bridge crossing South Canadian River; in line with telegraph poles on W side of track; close to third pole N of MP 414. (Note 17). El. 1267.783 ft.

U.-Grady Co., at Minco; on water table to double window on N side of Bank of Minco; 4 inches from W end. (Note 1). El. 1300.864 ft.

1284 Grady Co., $1\frac{1}{2}$ mi. S of Minco; at $\frac{1}{4}$ sec. cor. between T9N, R7W, sec. 4, & T 10N; R 7W sec. 33; about 150 ft. E of track. (Note 17). El. 1284.869 ft.

R.-Grady Co., 0.75 mi. N of Chickasha; on SW cor. N abutment of CRI&P RR bridge #3164; 4 inches from W & 12 inches from S edge of stone. (Note 1). El. 1090.050 ft.

For additional information in the vicinity of Chickasha, see U.S.C.G.S., Lines #27, 57, and Traverses 20-D, 21-A, 23-D.

T-41 1934; Grady Co., 2.9 mi. S of CRI&P depot, Chickasha; 0.12 mi. S of MP 439; 90 ft. W of near rail; on W property fence line. (Note 1). El. 1134.141 ft.

U-41 1934; Grady Co., 2.2 mi. N of CRI&P depot Ninnekah; 27 ft. N of MP 441; 48 ft. W of near rail; on W property line fence. (Note 1). El. 1144.804 ft.

V-41 1934; Grady Co., at Ninnekah; 0.35 mi. S of MP 443; 225 ft. N of N end of CRI&P RR depot; 18 ft. E of near rail of main track; on RR property. (Note 1). El. 1083.124 ft.

W-41 1934; Grady Co., 2.0 mi. S of CRI&P depot Ninnekah; 0.3 mi. S of MP 445; 84 ft. W of near rail; on W property line. (Note 1). El. 1144.348 ft.

X-41 1934; Grady Co., 4.0 mi. S of CRI&P RR depot Ninnekah; 0.4 mi. S of MP 447; 60 ft. W of near rail; 38 ft. E of RR property fence line. (Note 1). El. 1230.903 ft.

Y-41 1934; Grady Co., 5.8 mi. S of CRI&P RR depot Ninnekah; 0.15 mi. SE of MP 449; 30 ft. E of near rail; 17 ft. E of S. end of RR depot at Agawam; at NW cor. of yard around section foreman's house; outside fence. (Note 1). El. 1258.862 ft.

Z-41 1934; Grady Co., 7.9 mi. S of CRI&P RR depot Ninnekah; 0.2 mi. SW of MP 451; 150 ft. W of near rail; 82 ft. E of C/L US Hwy. #81; on W RR property line. (Note 1). El. 1314.095 ft.

A-42 1934; Grady Co., 2.7 mi. N of CRI&P RR depot, Rush Springs; 0.3 mi. S of MP 453; 150 ft. E of C/L US Hwy. #81; 51 ft. W of near rail; on RR property and in line with telegraph poles. (Note 1). El. 1388.760 ft.

B-42 1934; Grady Co., 1.1 mi. N of CRI&P RR depot, Rush Springs; 0.15 mi. NE of MP 455; 210 ft. E of C/L US Hwy. #81; 48 ft. E of near rail; at road crossing; on RR property line. (Note 1). El. 1321.395 ft.

C-42 1934; Grady Co., at Rush Springs; 210 ft. N of CRI&P RR depot; on SW cor. of foundation of RR water spout; 2 ft. E of E rail of main track. (Note 1). El. 1291.628 ft.

U.S.C.S. 1349; Grady Co., Rush Springs; on left side of main entrance to Masonic Bldg; bronze disk set in middle of N face of second stone above sidewalk; (The building is used as a garage and is owned by Dr. P.J. Hampton). (Note 17) El. 1349.922 ft.

D-42 1934; Grady Co., 2.1 mi. S of CRI&P RR depot, Rush Springs; 141 ft. E. of MP 458; 96 ft. E of near rail; 42 ft. N of C/L of E side of switch-back of sec. line road. (Note 1). El. 1326.152 ft.

E-42 1934; Grady Co., 4.0 mi. S of CRI&P RR depot, Rush Springs; 0.1 mi. E of MP 460; 69 ft. E of near rail; 42 ft. N of C/L of E side of switch-back of sec. line road.

(Note 1).

F-42 1934; Grady Co., 3.9 mi.N of CRI&P RR depot Marlow; 0.2 mi.S of MP 462; 60 ft.W of near rail; 39 ft.N of C/L sec. line road; on RR property. (Note 1).
El. 1319.646 ft.

X-42 1934; Stephens Co., 1.8 mi.N of CRI&P RR depot, Marlow; 0.2 mi.S of MP 464; 115 ft.N of sec. line road; SW cor. culvert under CRI&P RR (Note 1).
El. 1310.814 ft.
El. 1319.312 ft.

P-38 1934; Stephens Co., 4.4 mi.S of First National Bank, Marlow; at junction of OK.Hwy. #29 and US Hwy. #81; on S side of OK.Hwy. #29; near top of triangular shaped MP. (Note 1).
El. 1239.613 ft.

Q-38 1934; Stephens Co., 4.9 mi.N of City Hall, Duncan; 250 ft.S & E of farm house on W side US Hwy. #81; in fence line. (Note 1).
El. 1260.221 ft.

R-38 1934; Stephens Co., 2.3 mi.N of City Hall, Duncan; $\frac{1}{2}$ mi.N of 2 farm houses; US Hwy. #81; E headwall concrete culvert, same elevation as road. (Note 1).
El. 1151.028 ft.

For additional elevations in the vicinity of Duncan, see U.S.C.G.S. Line #35, 25-A, & 28-A Traverse.

Y-42 1934; Stephens Co., 2.3 mi.S of CRI&P RR depot, Duncan; 250 ft.N of twenty-fifth pole S of MP 477; 47 ft.E of E rail; at E property line fence. (Note 1)
El. 1088.515 ft.

Z-42 1934; Stephens Co., 4.0 mi.S of CRI&P RR depot Duncan; 0.4 mi.S of MP 479; 33 ft.S of C/L of sec. line road; 48 ft.E of E rail; at NE R/W fence cor. (Note 1).
El. 1037.340 ft.

A-43 1934; Stephens Co., 3.7 mi.N of CRI&P RR depot at Comanche; 0.5 mi.SE of Rock Island and Western Oil Refinery; 185.0 ft.N of S end of siding at Becket; 30 ft. S of C/L sec. line road; 45 ft.E of E rail. (Note 1).
El. 1017.567 ft.

B-43 1934; Stephens Co., 1.0 mi.N of CRI&P RR depot at Comanche; 66 ft.N of twentieth pole S of MP 484; 45 ft.W of the W rail; in W R/W fence line; 5 ft.S of gate. (Note 1).
El. 992.065 ft.

C-43 1934; Stephens Co., at Comanche; 450 ft.NE of CRI&P RR depot; 300 ft.E of E. rail of main track; on OK.Hwy. #53; at concrete bridge over Cow Creek; top of S side W abutment. (Note 1).
El. 983.988 ft.

D-43 1934; Stephens Co., 0.5 mi.S of CRI&P RR depot at Comanche; 300 ft.SE of twentieth pole S of MP 485; at bridge 485.6 over Cow Creek; in top of E side of N limestone pier. (Note 1).
El. 976.054 ft.

F-43 1934; Stephens Co., 4.6 mi.S of CRI&P RR depot at Comanche; 1.0 mi.N of Stephens-Jefferson Co. line; 100 ft.NE of twenty-fifth pole S of MP 489; 48 ft.E of E rail; 30 ft.N of C/L of sec. line road; 6 ft.N of sec. line road R/W fence. (Note 1).
El. 948.023 ft.

G-43 1934; Jefferson Co., 2.3 mi.N of CRI&P RR depot at Addington; 0.3 mi.N of crossing of US Hwy. #81; at RR bridge 491.4 over Cow Creek; top W side N concrete abutment. (Note 1).
El. 929.677 ft.

H-43 1934; Jefferson Co., at Addington; 264 ft.N of CRI&P RR depot; 80 ft.E of twenty-fifth pole S of MP 493; 54 ft.NW of sec. foreman's house; 54 ft.E of E rail of main track. (Note 1).
El. 915.539 ft.

J-43 1934; Jefferson Co., 1.4 mi.S of CRI&P RR depot at Addington; 183 ft.SE of MP 495; 45 ft.E of E rail; at E R/W fence line; 5 ft.S of gate. (Note 1).
El. 909.949 ft.

K-43 1934; Jefferson Co., 2.9 mi.S of CRI&P RR depot at Addington; at bridge 496.6 over Cow Creek; top W side S concrete pier; 8 ft. lower than track. (Note 1).
El. 893.938 ft.

L-43; 1934; Jefferson Co., 1.3 mi.N of CRI&P RR depot Waurika; at RR bridge 498.8 over Cow Creek; top E side S concrete pier; 8 ft. lower than track. (Note 1).
El. 880.464 ft.

For additional elevations in the vicinity of Waurika, see U.S.C. & G.S. Line #41 and Traverse 26-A.

P-43 1934; Jefferson Co., 2.7 mi.S of CRI&P RR depot Waurika; 198 ft. S of twenty-fifth pole S of MP 502; at RR bridge 502.8; top E side S concrete abutment. (Note 1).
El. 869.933 ft.

Q-43 1934; Jefferson Co., 1.3 mi.N of CRI&P RR depot Sugden; at RR bridge 504.6 over Beaver Creek; top W side S concrete abutment. (Note 1).
El. 861.458 ft.

D-1 1902; Jefferson Co., at Sugden; 500 ft.N of CRI&P RR depot; 265 ft.S of thirtieth pole S of MP 505; 45 ft.E of E rail; 4 ft. from R/W fence; a marble post lettered "U.S.B.M."
El. 847.843 ft.

R-43 1934; Jefferson Co., 2.2 mi.S of CRI&P RR depot Sugden; 104 ft.SE of fifth pole S of MP 508; 60 ft.E of E rail, at R/W fence; 9 ft.N of gate. (Note 1).
El. 845.605 ft.

S-43 1934; Jefferson Co., 0.5 mi.N of CRI&P RR depot, Ryan; at bridge 510.0 over Beaver Creek; top E side S concrete abutment. (Note 1).
El. 832.836 ft.

T-43 1934; Jefferson Co., at Ryan; 300 ft.N of N end of CRI&P RR depot; 250 ft. SE of twentieth pole S of MP 510; 60 ft.NW of Sec. foreman's house; 60 ft.E of E rail of main track. (Note 1).
El. 833.509 ft.

U-43 1934; Jefferson Co., 1.6 mi.S of CRI&P RR depot at Ryan; 165 ft.N of tenth

- pole S of MP 512; in pole line; 43 ft. W of W rail; 39 ft. E of W property-line fence. (Note 1). El. 835.654 ft.
- V-43 1934; Jefferson; 3.7 mi. S of CRI&P RR depot, Ryan; 460 ft. S of tenth pole S of MP 514; 84 ft. W of W rail; 8 ft. E of W property line fence. (Note 1). El. 853.797 ft.
- X-43 1934; Jefferson Co., 1.0 mi. N of CRI&P RR depot, Terral; 135 ft. E of tenth pole S of MP 518; 90 ft. E of E rail; 45 ft. W of C/L US Hwy. #81; at E side R/W fence line. (Note 1). El. 848.095 ft.
- Y-43 1934; Jefferson Co., at Terral; 160 ft. S of CRI&P RR depot; top of SE cor. of concrete base of penstock; 2½ ft. W of W rail of main track. (Note 1). El. 846.025 ft.
- Z-43 1934; Jefferson Co., 1.0 mi. S of CRI&P RR depot, Terral; at bridge 520.4 over Red River; top of E side of N concrete abutment; 6 ft. E of E rail. (Note 1). El. 815.684 ft.
- E-243 1934; Montague Co., Texas; 3.6 mi. N of CRI&P RR depot, Ringgold; at Red River bridge; top W side S concrete abutment; 3½ ft. W of W rail. (Note 1). El. 815.687 ft.
- U. S. Coast & Geodetic Survey - Second Order Leveling.
Line #35, Marlow, Okla., to Wellington, Tex.
Oklahoma Section.

For additional elevations in vicinity of Marlow, see Traverse 20 D and 29-A.

- N-38 1934; Stephens Co., 5.9 mi. W of First Nat. Bank, Marlow; 50 yds. E of farm house on S side of road on OK. Hwy. #29; at edge of scrub oak timber in fence line. (Note 1). El. 1216.241 ft.
- M-38 1934; Stephens Co., 8.1 mi. W. of First Nat. Bank, Marlow; ¼ mi. E of C. T. Nelson farmhouse; in steel bridge on OK Hwy. #29; in SE wingwall, level with paving. (Note 1). El. 1109.975 ft.
- L-38 1934; Stephens Co., 10.1 mi. W of First Nat'l. Bank, Marlow; ½ mi. W of farm house and ¼ mi. E of small farmhouse on OK. Hwy. #29; on S. side of road in fence line (Note 1). El. 1120.286 ft.
- K-38 1934; Stephens Co., 17.2 mi. E of St. L & SF RR depot, Lawton; ½ mi. E of farm house; 1000 ft. W of gas line regulator on Hwy. #29; S side of road in fence line. (Note 1) El. 1144.410 ft.
- J-38 1934; Comanche Co., 14.8 mi. E of St. L & SF RR depot, Lawton; a triangular hwy. MP 3 ft. high with mark set in top of post; at 4 corners and county line of Comanche Co. (Note 1). El. 1156.779 ft.
- H-38 1934; Comanche Co., 12.8 mi. E of St. L & SF RR depot, Lawton; on OK. Hwy. #29 ½ mi. E of steel bridge; in second conc. bridge; in SE wing of bridge. (Note 1). El. 1061.156 ft.
- G-38 1934; Comanche Co., 10.9 mi. E of St. L & SF RR depot, Lawton; ½ mi. W of farm house; 300 ft. E of 4 corners and Texaco Filling Sta. and Service Garage; on OK. Hwy. # 29; S side of road in culvert headwall. (Note 1). El. 1160.116 ft.
- F-38 1934; Comanche Co., 9.1 mi. E of St. L & SF RR depot, Lawton; ½ mi. W of farm house; on OK. Hwy. #29; S side of road in fence, under power line; 60 ft. E of small culvert. (Note 1). El. 1163.633 ft.
- D-38 1934; Comanche Co., 7.2 mi. E of St. L & SF RR depot, Lawton; on OK. Hwy. #29; on S side of road under power line; in a valley lower than pavement; on OK. Hwy. triangular MP with shield embedded in side; mark in top. (Note 1) El. 1205.523 ft.
- E-38 1934; Comanche Co., 5.9 mi. E of St. L & SF RR depot, Lawton; on OK. Hwy. #29; in SE wing of concrete bridge; 30 ft. SE of NW cor. of low concrete and rock fence around farmhouse; under power line. (Note 1). El. 1141.579 ft.
- C-38 1934; Comanche Co., 3.9 mi. E of St. L & SF RR depot, Lawton; 300 ft. E of Western Oil Inc. Filling Station and Swimming Pool; on OK. Hwy. #29; at SE fence cor. of 4 corners; brick house on N side of road; under power line. (Note 1). El. 1156.274 ft.
- B-38 1934; Comanche Co., 2.1 mi. E of St. L & SF RR depot, Lawton; about 1/8 mi. W of steel hwy. bridge in SE wing of conc. bridge; 1000 ft. E of road N. (Note 1). El. 1072.862 ft.
- A-38 1934; Comanche Co., 0.25 mi. W of St. L & SF RR crossing at Lawton; 1000 ft. NE of swimming pool; in SE wing of hwy. bridge near filling station. (Note 1). El. 1078.377 ft.
- USGS 1116.876 1934; Comanche Co.; in court house yard at Lawton; iron pipe in ground on W side of courthouse at edge of sidewall along St. parallel with N side of courthouse. (Note 17). El. 1117.245 ft.
- Z-37 1934; Comanche Co., at St. L & SF RR depot at Lawton; set vertically in brick wall 1 ft. E of white waiting room entrance; 5 ft. above floor, facing S. (Note 1). El. 1104.253 ft.
- Y-37 1934; Comanche Co.; at Lawton P. O. W front in S end at base of steps. (Note 1). El. 1108.968 ft.

For additional elevations in vicinity of Lawton, see USC&GS Line #64 also Traverse 25-C, 28-C and 29-B.

- X-37 1934; Comanche Co., 2.0 mi.W of St. L & SF RR depot, Lawton; about $\frac{1}{2}$ mi. S of Cameron College; at RR crossing and MP 632.5; 10 ft.N of track; in W headwall of US Hwy. #62 culvert level with rails. (Note 1). El. 1133.797 ft.
- W-37 1934; Comanche Co., 3.6 mi.W of St.L & SF RR depot, Lawton; at MP 633.20; 700 ft.W of St. L & SF RR crossing; in S headwall of culvert; 12 ft. S of RR and 4 ft. below track. (Note 1). El. 1151.871 ft.
- V-37 1934; Comanche Co., 5.6 mi.W of St. L & SF RR depot, Lawton; at MP 635.20; and RR crossing; 50 ft.S of RR; 30 ft.E of road C/L. (Note 1). El. 1213.019 ft.
- U-37 1934; Comanche Co., 6.4 mi.E of St. L & SF RR depot, Cache; $\frac{1}{4}$ mi. E of RR crossing at MP 637.20; 40 ft.N of track; in fence line. (Note 1). El. 1239.512 ft.
- T-37 1934; Comanche Co., 4.1 mi. E of St. L & SF RR depot, Cache; 0.25 mi.W of RR crossing; on bridge MP 640; east pier, S end. (Note 1). El. 1225.260 ft.
- S-37 1934; Comanche Co., 2.0 mi.E of St.L & SF RR depot, Cache; 30 ft.S. of RR crossing; 35 ft.E of road C/L; 0.25 mi.N of OK.Hwy.#29. (Note 1). El. 1247.484 ft.
- R-37 1934; Comanche Co.; at Cache; 500 ft.SE of St. L & SF RR depot; in foundation of NE leg base of city water tank; 6" above ground. (Note 1). El. 1271.841 ft.
- Q-37 1934; Comanche Co.; 50 ft.E of St. L & SF RR depot, Cache; 30 ft.S of RR track in top of S wall of monument; monument reads "Frisco Safety First". (Note 1). El. 1275.365 ft.

For additional elevations in vicinity of Cache, see traverse 27-B and 28-C.

- P-37 1934; Comanche Co.; 7.5 mi.E of ST.L&SF RR depot; Indianahoma; 0.5 mi.W. of Cache; on St.L&SF RR bridge over Cache Creek; in SE end of E.pier; MP 644.7 (Note 1). El. 1249.433 ft.
- N-37 1934; Comanche Co., 5.0 mi.E of ST.L&SF RR depot, Indianahoma; 500 ft. E of MP 547.5; on St.L & SF RR; at road crossing; 60 ft.S of RR; 40 ft.E of road C/L; in fence corner. (Note 1). El. 1343.285 ft.
- M-37 1934; Comanche Co.; 1.9 mi.E of St.L&SF RR depot, Indianahoma; 150 ft.E of MP 550.5; on St. L&SF RR R/W; near OK.Hwy.#29; 50 ft.S. of RR; 300 ft.W of RR crossing; (Note 1). El. 1312.724 ft.
- L-37 1934; Comanche Co.; at Indianahoma 1 block S of St.L & SF RR depot; on S side US Hwy.#62; in W headwall concrete culvert. (Note 1) El. 1335.053 ft.
- K-37 1937; Comanche Co.; at Indianahoma; 500 ft. NW of St. L & SF RR depot; 300 ft. N of track; in fence line. (Note 1). El. 1332.471 ft.
- J-37 1934; Comanche Co., 9.2 mi.E of St. L&SF RR depot, Snyder; just W of crossing; at MP 655; 50 ft.E of E end of bridge 655; 40 ft. N of track. (Note 1). El. 1361.933 ft.
- H-37 1934; Comanche Co., 6.8 mi.E of St.L & SF RR depot, Snyder; at MP 657.10; 40 ft. S of RR track; 40 ft. W of road C/L at hwy.crossing. (Note 1). El. 1394.544 ft.
- G-37 1934; Kiowa Co., 4.8 mi.E of St.L & SF RR depot, Snyder; 275 ft.S of track; 50 ft.W of road C/L at Hwy. crossing; near MP 659.10 (Note 1) El. 1357.025 ft.
- F-37 1934; Kiowa Co., 2.9 mi.E of St. L & SF RR depot, Snyder; 0.25 mi.E of hwy. crossing; 60 ft.S of track; 30 ft. E of MP 661.5; 10 ft.N of fence. (Note 1). El. 1344.689 ft.

For additional elevations in vicinity of Snyder, see USC&GS Line #66, also Traverse 25-D, 25-F and 28-C.

- S-96 1934; Kiowa Co., 1.9 mi.W of St. L & SF RR depot, Snyder; 80 yds.W of cattle guard; 15 ft.N of MP 666.10; 49 ft.N of C/L of track; 1 ft.S of fence line. (Note 1). El. 1341.247 ft.
- T-96 1934; Kiowa Co., 3.8 mi.W of St. L & SF RR depot, Snyder; 2 $\frac{1}{2}$ poles W of MP 668.5; 49 ft.N of C/L of track; 36 ft. E of C/L of road crossing track; 2 ft.SE of fence corner. (Note 1). El. 1356.707 ft.
- U-96 1934; Kiowa Co., 5.7 mi.W of St. L & SF RR depot, Snyder; 5.9 mi. E. of St.L & SF RR depot, Headrick, Jackson Co. 90 yds W of road crossing; 15 ft.N of MP 670.10; 49 ft. N. of C/L of track; 1 ft.S. of fence line. (Note 1). El. 1388.560 ft.
- V-96 1934; Jackson Co., 3.2 mi.E of St.L & SF RR depot, Headrick; 25 yds.SE of MP 672.25; 48 ft.SE of C/L of track; 43 ft.N of C/L of road crossing track; 21 ft. N of telephone pole; 2 ft.NW of fence line. (Note 1). El. 1334.131 ft.

For additional elevations in the vicinity of Headrick, see Traverse 25-F.

- W-96 1934; Jackson Co., 2.9 mi.E of St.L & SF RR depot, Headrick; 18 ft.W of C/L of track; set vertically in center pillar on SW end of overhead bridge along US Hwy.#62; 5 ft.above track. (Note 1). El. 1337.865 ft.
- X-96 1934; Jackson Co., 0.8 mi.E of St. L & SF RR depot, Headrick; 33 ft.N of C/L of track; 17 ft.S of fence line; 1 $\frac{1}{2}$ ft.S of MP 675.5 (Note 1). El. 1357.816 ft.
- Y-96 1934; Jackson Co., at Headrick; 60 yds.E of St. L & SF RR depot; 18 ft. N of C/L of main track; 27 ft.S of S side of track; 1 $\frac{1}{2}$ ft.SE of MP 676. (Note 1). El. 1361.857 ft.
- Z-96 1934; Jackson Co., 2.6 mi.W of St. L & SF RR depot, Headrick; 54 ft.N of C/L of track; 30 ft.W of C/L of cross road; 1 $\frac{1}{2}$ poles W of MP 678.10; 3 ft.S of fence line. (Note 1). El. 1337.133 ft.

A-97 1934; Jackson Co., 4.2 mi.W of St. L & SF RR depot, Headrick; 50 ft.S of C/L of track; 33 ft.W of C/L of cross road; 1-3/4 poles W of MP 680.10; 1 ft.E of fence corner. (Note 1).
El. 1317.422 ft.

B-97 1934; Jackson Co., 6.3 mi.W of St.L & SF RR depot, Headrick; 5.1 mi. E of St.L & SF RR depot, Altus; 48 ft. N of C/L of track; 36 ft.E of C/L of cross road; 1 1/2 poles W of MP 682. 10 (Note 1).
El. 1322.527 ft.

C-97 1934; Jackson Co., 3.1 mi.E of St. L & SF RR depot, Altus; 49 ft.N of C/L of track; 36 ft.W of C/L of cross road; across the road from MP 684.10; 2 ft. SW of fence corner. (Note 1).
El. 1347.110 ft.

D-97 1934; Jackson Co., 1.1 mi.E of St.L & SF RR depot, Altus; 30 ft.N of C/L of track; 36 ft.E of C/L of road crossing track; 1 1/2 ft.SE of MP 686.10. (Note 1).
El. 1381.467 ft.

For additional elevations in the vicinity of Altus, see USC&GS Line #28 and Traverses 25-B, 25-E, 25-F.

E-97 1934; Jackson Co., 2.4 mi.W of KMT RR depot, Altus; 30 ft.N of C/L of track; 5 ft.W of MP 78; in front of ranch house. (Note 1)
El. 1385.424 ft.

F-97 1934; Jackson Co., 4.4 mi.W of MKT RR depot, Altus; 30 ft.N of C/L of track; 2 ft. E of MP 80. (Note 1).
El. 1368.478 ft.

G-97 1934; Jackson Co., 6.5 mi.W of MKT RR depot, Altus; 100 yds.W of windmill; 30 yds.SW of bridge; 2 1/2 poles W of MP 82; 55 ft.S of C/L of track; 25 ft. N of C/L of road; 2 ft. W of power pole. (Note 1)
El. 1372.031 ft.

H-97 1934; Jackson Co., 8.2 mi.W of MKT RR depot, Altus; 6.8 mi.E of MKT RR depot Duke; 8 poles E of MP 84; 48 ft.N of C/L of track; 47 ft.E of C/L of cross road; 3 ft. SW of fence corner. (Note 1)
El. 1380.532 ft.

J-97 1934; Jackson Co., 4.6 mi.E of MKT RR depot, Duke; 38 ft.N of C/L of track; 12 ft.S of fence line; 2 ft. SE of MP 86. (Note 1)
El. 1409.315 ft.

K-97 1934; Jackson Co., 2.5 mi.E of MKT RR depot, Duke; 5 poles W of MP 88; 48 ft. N of C/L of track; 45 ft.E of C/L of cross road; 2 ft. S of fence corner. (Note 1).
El. 1417.530 ft.

L-97 1934; Jackson Co., 1.0 mi.E of MKT RR depot, Duke; 48 ft.S of C/L of track; 62 ft.SW of C/L US Hwy.#62; 5 ft.NW of fence corner. (Note 1)
El. 1409.725 ft.

M-97 1934; Jackson Co., at Duke; 29 ft. W of W side MKT RR depot; 30 ft.N of main track; 27 ft.S of N side of track; 2ft. S of telegraph pole. (Note 1).
El. 1415.102 ft.

For additional elevations in the vicinity of Duke, see Traverse 25-B.

N-97 1934; Jackson Co., 1.8 mi.W of MKT RR depot, Duke; at W end of cut; 49 ft.S of C/L of track; 2 ft.E of E end of gate for crossing. (Note 1)
El. 1420.706 ft.

P-97 1934; Jackson Co., 3.5 mi.W of MKT RR depot, Duke; 3 poles W of MP 94; 47 ft. N of C/L of track; 36 ft.E of C/L of cross road; 3 ft.SW of fence corner. (Note 1)
El. 1439.374 ft.

Q-97 1934; Jackson Co., 5.5 mi.W of MKT RR depot, Duke; 3 1/2 poles W of MP 96; 40 ft. N of C/L of track; 33 ft.W of C/L of cross road; 7ft. S of fence corner. (Note 1).
El. 1499.147 ft.

R-97 1934; Jackson Co., 7.4 mi.W of MKT RR depot, Duke; 1 pole W of MP 98; 36 ft. N of C/L of main track at McQueen; 43 ft.E of loading platform; 24 ft.N of N side of track; 2 ft.S of telegraph pole. (Note 1).
El. 1543.839 ft.

S-97 1934; Jackson Co., 9.4 mi.W of MKT RR depot, Duke; 10.6 mi.E of MKT RR depot, Hollis, Harmon Co.; 20 poles W of MP 100; 48 ft.S of C/L of track; 44 ft.E of C/L of cross road; 26 ft.SE of crossing sign; 2 ft. NW of fence corner. (Note 1)
El. 1558.468 ft.

T-97 1934; Harmon Co., 8.6 mi.E of MKT RR depot, Hollis; 0.5 mi.E of MKT RR depot, Gould; 10 ft.N of C/L of track; set vertically in W end of concrete pier for an overhead bridge on US Hwy.#62. (Note 1).
El. 1627.113 ft.

U-97 1934; Harmon Co., 7.6 mi.E of MKT RR depot, Hollis; 0.5 mi.W of MKT RR depot, Gould; at highway crossing; 12 ft.N of C/L of track; 21 ft.E of C/L of US Hwy.#62; 26 ft.SW of MP 103; set in E abutment S end concrete culvert. (Note 1).
El. 1608.550 ft.

V-97 1934; Harmon Co., 5.4 mi.E of MKT RR depot, Hollis; across track from small reservoir; 7 poles W of MP 105; 49 ft.N of C/L of track; 1 ft.S of fence line. (Note 1).
El. 1617.933 ft.

W-97 1934; Harmon Co., 3.3 mi.E of MKT RR depot, Hollis; 48 ft.S of C/L of track; 45 ft.E of C/L of cross road; 2 ft.N of fence line; 3 ft. NE of fence corner, 3 ft. below track. (Note 1)
El. 1587.986 ft.

X-97 1934; Harmon Co., 1.3 mi.E of MKT RR depot, Hollis; W end of long fill across road from cut; 47 ft.S of C/L of track; 30 ft.E of C/L of cross road; 3 ft.NE of fence corner. (Note 1)
El. 1611.289 ft.

Y-97 1934; Harmon Co., at Hollis; at MKT RR depot; 30 ft.E of "white" waiting room door; 27 ft.N of C/L of track; 25 ft.W of C/L of cross road; 7 ft.SE of telegraph pole; SE corner of small park. (Note 1)
El. 1615.384 ft.

Z-97 1934; Harmon Co., 1.4 mi.W of MKT RR depot, Hollis; along US Hwy.#62; 4 poles SE of MP 112; 50 ft.W of C/L of track; 18 ft.N of C/L of US Hwy.#62; in NE cor. of concrete bridge. (Note 1)
El. 1624.898 ft.

A-98 1934; Harmon Co., 3.6 mi.W of MKT RR depot, Hollis; across track from Lone Star Gas Co. Refinery; 6 poles NW of MP 114; 36 ft.NE of C/L of track; 12 ft.SW of fence line; 2 ft.SW of telegraph pole. (Note 1) El. 1663.166 ft.

B-98 1934; Harmon Co., 5.3 mi.W of MKT RR depot, Hollis; 3.8 mi.E of MKT RR depot, Dodsonville, Collingsworth Co., Texas; at SE end of Cut; NW end of fill; 6 poles SE of MP 116; 48 ft.SW of C/L of track; 2 ft.NE of fence line. (Note 1) El. 1722.411 ft.

C-98 1934; Collingsworth Co., Texas; 2.1 mi.E of MKT RR depot, Dodsonville; at Texas-Oklahoma State Line; on Oklahoma side; 48 ft.NE of C/L of track; 2 ft. SW of fence line. (Note 1) El. 1754.672 ft.

U. S. Coast & Geodetic Survey - Second Order Leveling
Line #37; Headley, Texas to Mangum, Oklahoma
Oklahoma Section

U.S. Supreme Court, 1927; Harmon Co., 7.9 mi.W of Vinson via OK.Hwy. # 9; on Texas-Oklahoma State Line; 36 ft.S of C/L of Hwy.; 2 ft.N of fence corner; 3 ft.above ground surface; standard disk set in concrete post, stamped "U. S. Supreme Court, 1927". El. 1928.940 ft.

A-96 1934; Harmon Co., 6.9 mi.W of Vinson via OK.Hwy. #9; 18 ft.S of C/L of highway; set in E.abutment of concrete bridge; S side of road (Note 1) El. 1823.572 ft.

B-96 1934; Harmon Co., 4.9 mi.W of Vinson via OK.Hwy. #9; 200 yds E of house with orchard in front; 49 ft. S of C/L of Hwy; 4 ft.E of fence corner. (Note 1) El. 1944.009 ft.

C-96 1934; Harmon Co., 3.2 mi.W of Vinson via OK Hwy.#9; in NW NW sec. 23 T5N R 26W; 25 ft. E of E R/W fence; 23 ft. S of S R/W fence; at junction of OK.Hwy. #9 & 100th Meridian Hwy; 15.0 mi.N of Hollis. Reset in April 1936 by Local Control Surveys; B. M. was moved 150 ft. SE from original location. Reset--El. 1876.331 ft.

D-96 1934; Harmon Co., 1.4 mi.W of Vinson via OK.Hwy.#9; 49 ft.N of C/L of Hwy; 27 ft.E of C/L of driveway to ranch house; 2 ft.E of fence corner. (Note 1) El. 1912.503 ft.

E-96 1934; Harmon Co., at Vinson via OK.Hwy.#9; 62 ft.S of C/L of Hwy; 33 ft.N of Post Office door; 4 ft.above sidewalk; in NW cor.of "Worthen's Bldg." (Note 1) El. 1883.113 ft.

F-96 1934; Harmon Co., 1.9 mi.E of Vinson, via OK.Hwy.#9; 150 yds E of white house; 40 yds E of offset in fence line; 3 ft.W of telephone pole; 1 ft.N of fence line. (Note 1) El. 1859.776 ft.

G-96 1934; Harmon Co., 3.8 mi.E of Vinson, via OK.Hwy.#9; 5.2 mi.W of Reed, Greer Co., via OK.Hwy. #9; 30 yds W of short cut in road; 4 ft.W of telephone pole #1025; 54 ft.S of C/L of Hwy; 1 ft.N of fence line. (Note 1) El. 1809.206 ft.

H-96 1934; Greer Co., 3.2 mi.W of Reed, via OK.Hwy.#9; 54 ft.S of C/L of Hwy. 1 ft. N of fence line; across road from telephone pole #960. (Note 1) El. 1796.230 ft.

J-96 1934; Greer Co., 1.3 mi.W of Reed, via OK.Hwy.#9; 100 yds.E of top of small rise; 49 ft.S of C/L of Hwy; 3 ft.W of telephone pole; 1 ft.N of fence line. (Note 1) El. 1793.694 ft.

K-96 1934; Greer Co., at Reed, along OK.Hwy.#9; 46 ft.N of NW cor. of Farmers' Union Co-op Station; 18 ft.S of C/L of Hwy; set in top W end S abutment concrete culvert. (Note 1) El. 1744.252 ft.

L-96 1934; Greer Co., 2.0 mi.E of Reed, via OK.Hwy.#9; 42 ft.N of C/L of Hwy. 14 ft. W of C/L of cross road; set in S end W abutment of concrete culvert. (Note 1) El. 1708.694 ft.

M-96 1934; Greer Co., 3.9 mi.E of Reed, via OK.Hwy. #9; 54 ft.S of C/L of Hwy; 40 ft. W of side road to S; 10 ft.W of fence corner; 1 ft.N of fence line. (Note 1) El. 1739.878 ft.

N-96 1934; Greer Co., 5.9 mi.E of Reed, via OK.Hwy.#9; 7.1 mi.W of Mangum, Greer Co.; via OK.Hwy.#9; 80 yds.SW of white square house; 57 ft.N of C/L of Hwy; 30 ft.W of C/L of side road; 2 ft.N of fence corner. (Note 1) El. 1739.052 ft.

P-96 1934; Greer Co., 5.2 mi.W of Mangum, via OK.Hwy.#9; 49 ft.S of C/L of Hwy; 8 ft.E of fence corner; 2 ft.E of telephone pole; 1 ft.N of fence line. (Note 1) El. 1697.296 ft.

Q-96 1934; Greer Co., 3.2 mi.W of Mangum, via OK.Hwy.#9; at road junction; 58 ft. S of C/L of hwy; 36 ft.NE of C/L of Hwy. to Mangum; 10 ft.E of sign marked "Mangum". In NW cor. of triangle. (Note 1) El. 1610.469 ft.

R-96 1934; Greer Co., 2.2 mi.W of Mangum, via OK.Hwy.#9; 30 yds NW of intersection of OK.Hwy.#9 and US Hwy.#283; 50 ft.SW of OK.Hwy.#9 sign; 18 ft.SW of C/L of Hwy; middle W headwall concrete culvert. (Note 1) El. 1593.156 ft.

U. S. Coast & Geodetic Survey; Second Order Leveling
Line #39; Frederick, Oklahoma to Wichita Falls, Texas
Oklahoma Section

1259 U. S.G.S. Tillman Co., 1.7 mi. SE of Frederick Post Office, via MKT RR; 150 ft. SW of Hwy.crossing; iron pipe set on W side of road. (Note 17) El. 1258.928 ft.

A-151 1934; Tillman Co., 2.7 mi. SE of Frederick Post Office, via MKT RR; 81.5 ft. SW of W. U. T. pole # 6854; 77 ft. SW of W end of trestle 48.3; 40 ft. E. of C/L cross road; 35.5 ft. S of C/L of track; 9.7 ft. N of R/W fence cor; 1.1 ft. W of R/W fence. (Note 1) El. 1246.526 ft.

B-151 1934; Tillman Co., 4.7 mi. SE of Frederick Post Office, via MKT RR; 69 ft. NW of Kell depot sign board; 64.0 ft. E of C/L of cross-section road; 40 ft. N of C/L of main line track; 8.6 ft. S of R/W fence; 7.5 ft. W of W.U.T pole #6936. (Note 1) El. 1247.740 ft.

C-151 1934; Tillman Co., 3.5 mi. NW of MKT RR depot, Hollister; 49 ft. E of C/L cross section road; 46.0 ft. NE of C/L of track; 26 ft. E of W.U.T. Pole #7022; 3 ft. SW of N R/W fence corner. (Note 1) El. 1177.491 ft.

D-151 1934; Tillman Co., 1.4 mi. NW of MKT RR depot, Hollister; 300 ft. W of MP 42; 44 ft. W of C/L cross section road; 36.5 ft. N of C/L of track; 14.4 ft. S of R/W fence cor; 9.3 ft. S of W.U.T. pole #E8-7109; 2.2 ft. E of R/W cross fence. (Note 1) El. 1140.844 ft.

E-151 1934; Tillman Co., in Hollister; front wall of Hollister School; 67.6 ft. S of NE cor. of building; 67 ft. W of flag pole; 6 ft. N of front entrance; 4.2 ft. above ground; 0.7 ft. S of base of column; N side of main entrance. (Note 1) El. 1131.087 ft.

F-151 1934; Tillman Co., in Hollister; 170 ft. NE, NE, cor. MKT RR depot; 103 ft. E. C/L of cross section road; 66.4 ft. E of SW concrete fence cor. post, 1.7 ft. in diameter & 4.8 ft. high; 42.5 ft. N of C/L of main line track; 6.4 ft. S of R/W fence; 5 ft. E of MP 41 (W.U.T. Pole #7153) (Note 1) El. 1226.408 ft.

G-151 1934; Tillman Co., 2.1 mi. SE of MKT RR depot, Hollister; 215 ft. NW of last power line pole to Hollister City Well; 89.8 ft. S of W.U.T. pole #7237, third pole E of MP 39; 57 ft. W of C/L cross section road; 45.8 ft. S of C/L of track; 22.5 ft. W of R/W fence cor. (Note 1) El. 1094.499 ft.

H-151 1934; Tillman Co., 3.9 mi. SE of MKT RR depot, Hollister; 0.3 mi. NW of C/L of cross section road; 150 ft. S of MP 37; 79.4 ft. SW of W.U.T. pole #7317; 45.3 ft. SW of C/L of track; 2 ft. NE of R/W fence. (Note 1) El. 1089.178 ft.

J-151 1934; Tillman Co., 1.0 mi. NW of MKT RR depot, Loveland; 280 ft. S of SW cor. sq. white frame house; 64 ft. E of C/L of cross section road; 44 ft. NE of C/L of track; 9.7 ft. N of W.U.T. pole #7377; 5.7 ft. SW of R/W fence cor. (Note 1) El. 1071.819 ft.

K-151 1934; Tillman Co., in Loveland; 105 ft. N of NE wall of Loveland Co-op. elevator; 71 ft. N of N cor. MKT RR depot; 63.4 ft. NW wall of station agents house; 36.4 ft. NE of C/L main line track; 2.5 ft. SE of W.U.T. pole #8. (Note 1) El. 1074.010 ft.

L-151 1934; Tillman Co., in Loveland; N wall of Loveland School Dist. #5; 212 ft. E of E door of school storm cellar; 59 ft. W of NW cor. of building; 5 ft. E of C/L of W entrance; 3.2 ft. above ground. (Note 1) El. 1072.334 ft.

M-151 1934; Tillman Co., 2.4 mi. SE of MKT RR depot, Loveland; 100 ft. W of tele. pole #7510, third pole NW of MP 32; 47 ft. SW of C/L of track; 13 ft. SE of div. fence; 12 ft. NE of C/L of dirt road; 3 ft. NE of R/W fence. (Note 1) El. 1059.768 ft.

N-151 1934; Tillman Co., 4.3 mi. SE of MKT RR depot, Loveland; 250 ft. NW of corrugated pipe RR culvert; 94 ft. S of tele. pole #7584, 11th pole NW of MP 30; 50 ft. SW of C/L of track; 48 ft. S of C/L section line road crossing; 16 ft. SE of R/W fence cor. (Note 1) El. 1052.160 ft.

P-151 1934; Tillman Co., 1.9 mi. W of MKT RR depot, Grandfield; 163 ft. NW of MP 29; 81 ft. S of C/L of 1st cross section road NW of large oil refinery; 76 ft. SE of tele. phone pole #7635; 67 ft. SE of R/W fence cor.; 27.4 ft. NE of C/L of track. (Note 1) El. 1099.890 ft.

Grandfield 1934; Tillman Co., in Grandfield; in NE wall of MKT RR depot; 4.6 ft. SE of C/L of white entrance; 3.3 ft. above ground; 2.6 ft. NW of E. cor. (Note 1) El. 1113.361 ft.

Q-151 1934; Tillman Co., 2.4 mi. E of MKT RR depot, Grandfield; 250 ft. E of double telegraph pole E-10-2; 48.3 ft. N of C/L of track; 23.3 ft. NW of MP 25; 1.6 ft. S of R/W fence. (Note 1) El. 1089.296 ft.

R-151 1934; Tillman Co., 2.0 mi. NW of MKT RR depot, Devol, Cotton Co; station is in Tillman Co; 850 ft. W of W end of RR trestle 22-8; 450 ft. W of C/L of gateway in R/W fence; 165 ft. E of division fence; 84 ft. S of MP 23 (tele. pole #7884); 47.4 ft. S of track; 2.2 ft. N of R/W fence. (Note 1) El. 1070.464 ft.

S-151 1934; Cotton Co., in Devol; S cor. of old pump station foundation; 465 ft. NW of NW end of MKT RR depot; 148 ft. W of transformer mounting; 98.4 ft. N of MP 21; 86.7 ft. E of C/L of main line track; 79 ft. E of tele. pole #7962; 32.5 ft. SW of C/L of dirt road. (Note 1) El. 1073.210 ft.

T-151 1934; Cotton Co., in Devol; S. wall of Devol High School; 46 ft. N of C/L of Rd. in front entrance; 3.9 ft. above ground. 24.6 ft. E of SW corner; 9.6 ft. W of front entrance. (Note 1) El. 1068.334 ft.

U-151 1934; Cotton Co., 1.2 mi. SE of MKT RR depot, Devol; 47.5 ft. E of C/L of track; 43 ft. N of C/L of cross section road; 21 ft. NE of tele. pole #8020; 17.5 ft. S of gate at right angle to R/W fence; 9 ft. N. of R/W fence corner. (Note 1) El. 1031.750 ft.

For additional elevations in the vicinity of Waurika, see U.S.C & G.S. # 34, Traverses 25-A, 26-A.

A-152 1934; Jefferson Co., 1.3 mi. NW of CRI&P RR depot, Waurika; 310 ft. SW of C/L of hwy. crossing; 78 ft. E of C/L of US Hwy. #81; 72 ft. SW of C/L of track; 60 ft. SE of cor. R/W fence; 14 ft. N of twin telephone poles. (Note 1) El. 879.162 ft.

B-152 1934; Jefferson Co., 3.9 mi. NW of CRI&P RR depot, Waurika; 0.2 mi. NW of steel RR bridge over Little Beaver Creek; 600 ft. NE of large frame farm house; 63 ft. N of C/L of road crossing; 30 ft. NE of C/L of track; 22 ft. E of E end of cattle guard; 4 ft. N of R/W fence. (Note 1) El. 907.078 ft.

C-152 1934; Jefferson Co., 6.1 mi. NW of CRI&P RR depot, Waurika; 520 ft. NE of white farm house; 80 ft. NE of C/L of railroad crossing; 42 ft. E of E end of cattle guard; 10 ft. S of braced cor. telephone pole; 3 ft. S of R/W fence line. (Note 1) El. 918.630 ft.

D-152 1934; Jefferson Co., at Hastings; on CRI&P RR R/W; 387 ft. SE of SE cor. of Hastings RR depot; 40 ft. S of SE cor. of loading platform; 22 ft. NE of C/L of main track; (Note 1) El. 985.034 ft.

Hastings High School; Jefferson Co., at Hastings; at W entrance to two story high school building, in center of W vertical face of concrete capstone on N side of entrance platform. (Note 1) El. 1023.961 ft.

E-152 1934; Cotton Co., 2.5 mi. NW of CRI&P RR depot, Hastings; 380 ft. NW of crossing of OK. Hwy. #32; 102 ft. NE of concrete headwall of hwy. culvert; 62 ft. W of C/L of section road crossing; 12 ft. NE of R/W fence corner. (Note 1) El. 1023.868 ft.

F-152 1934; Cotton Co., 4.8 mi. NW of CRI&P RR depot, Hastings; 720 ft. E of gateway to gray farm house; 105 ft. NE of C/L of sec. road crossing; 36 ft. W of C/L of track; 24 ft. W of W end of cattle guard; 16 ft. E of R/W fence corner; 2 ft. S of R/W fence line running E-W. (Note 1) El. 963.509 ft.

G-152 1934; Cotton Co., 2.3 mi. SE of CRI&P RR depot, Temple; 102 ft. SW of C/L of crossing where two section roads cross tracks; 99 ft. S of telephone pole, in cor. of R/W fence; 45 ft. W of track at center of cattle guard; 5 ft. E of R/W fence. (Note 1) El. 985.526 ft.

H-152 1934; Cotton Co., at Temple; 252 ft. NE of C/L of crossing, where main street in Temple crosses RR tracks; 56 ft. S of SW cor. of CRI&P RR depot; 42 ft. E of C/L of main track; directly under telephone line; 6 ft. S of telephone pole. (Note 1) El. 1007.423 ft.

J-152 1934; Cotton Co., 1.8 mi. NW of CRI&P RR depot, Temple; at crossing of two section roads; 94 ft. N of C/L of crossing; 62 ft. NW of large braced telephone pole; 47 ft. E of C/L of track; 27 ft. E of E end of cattle guard; 3 ft. S of R/W fence cor. (Note 1) El. 996.494 ft.

K-152 1934; Cotton Co., 4.1 mi. NW of CRI&P RR depot, Temple; 3.4 mi. SE of CRI&P RR depot, Walters; 0.5 mi. NW of steel RR bridge over Cache Creek; 0.2 mi. SW of two Indian homes in fenced area; under telephone line; 57 ft. SE of tele. pole; 42 ft. E of C/L of track; 8 ft. S of R/W fence. (Note 1) El. 966.396 ft.

L-152 1934; Cotton Co., 1.8 mi. SE of CRI&P RR depot, Walters; 0.2 mi. E of large oil storage tank 420 ft. NW of NW cor. large brick house (Indian); 63 ft. NE of C/L of road crossing; 45 ft. E of C/L of track; 33 ft. N of cor. of R/W fence; 6 ft. W of telephone pole; 5 ft. W of R/W fence line. (Note 1) El. 999.555 ft.

M-152 1934; Cotton Co., at Walters; 500 ft. N of CRI&P RR depot; 92 ft. E of C/L of track; set in top of NW concrete footing of tall steel water tank. (Note 1) El. 1007.055 ft.

For additional elevations in the vicinity of Walters, see Traverse 29-B.

"Walters 1934", Cotton Co., in Walters; W wall of Cotton Co. Courthouse bldg; at right side of W entrance; 1.0 ft. above center of S capstone of entrance platform. (Note 1) El. 1006.346 ft.

N-152 1934; Cotton Co., 3.2 mi. NW of CRI&P RR water tank, Walters; 49 ft. SW of C/L track; 30 ft. S of C/L of cross section road; 8.3 ft. E of telephone pole #660; 3.7 ft. N of fence. (Note 1) El. 985.979 ft.

P-152 1934; Cotton Co., 4.8 mi. NW of CRI&P RR water tank, Walters; 600 ft. S of steel road bridge; 74 ft. N of C/L of cattle guard; 60 ft. SW of R/W fence; 41.6 ft. E of C/L of cross section road; 40 ft. NE of C/L of track; 8.2 ft. NW of telegraph pole; 1.7 ft. NW of fence. (Note 1) El. 1002.741 ft.

Q-152 1934; Cotton Co., 6.6 mi. NW of CRI&P RR water tank, Walters; 52 ft. NW of C/L of track; 37 ft. S of C/L of cross section road; 33 ft. W of C/L of gateway; 11 ft. NE of 2nd telegraph pole SE of MP 508-10; 2.7 ft. E of R/W fence. (Note 1) El. 1036.868 ft.

R-152 1934; Comanche Co., 1.4 mi. S of CRI&P RR depot, Geronimo; 297 ft. NE of switch for pump station siding; 270 ft. S of C/L of cross section road; 240 ft. from gate in R/W fence; 102 ft. SW of SW cor. of Prairie Pipe Line pump house; 65.5 ft. SE of C/L of main line track; 24.3 ft. NE of telegraph pole; 3.5 ft. NW of R/W fence cor. (Note 1) El. 1059.929 ft.

S-152 1934; Comanche Co., at Geronimo; 180 ft. S of CRI&P RR depot; 73 ft. N of C/L of cross road; 29.8 ft. W of RR siding; 25 ft. N of wooden RR culvert; 24.3 ft. E of C/L of main line track; 4.4 ft. S of telegraph pole. (Note 1) El. 1080.651 ft.

For additional elevations in the vicinity of Geronimo, see Traverse 25C.

T-152 1934; Comanche Co., 1.7 mi. N of CRI&P RR depot, Geronimo; about center of 14 ft. cut for RR and cross road; 43 ft. N of C/L of cross section road; 40.6 ft. NE of RR crossing sign; 13.5 ft. E of C/L of track; 1.9 ft. S of E wing of cattle guard. (Note 1)
El. 1065.418 ft.

U-152 1934; Comanche Co., 5.2 mi. S of Lawton Post Office via CRI&P RR; 135 ft. SW of MP 501; 72 ft. W of C/L of track; 36 ft. S of C/L of cross section road; 4.4 ft. SE of NW R/W fence corner. (Note 1)
El. 1042.924 ft.

V-152 1934; Comanche Co., 3.2 mi. S of Lawton Post Office via CRI&P RR; 49 ft. S of C/L of cross section road; 48.3 ft. E of C/L of track; 40 ft. S of S guard rail of small road bridge; 6.6 ft. S of MP 499; 3 ft. below top of rails. (Note 1)
El. 1051.346 ft.

For elevations in the vicinity of Lawton, see U.S.C.G.S. Line #35, Traverses 28-C, 29-B.

W-152 1934; Comanche Co., 4.3 mi. N of Lawton Post Office via CRI&P RR; 550 ft. S of Fort Sill RR depot; 114 ft. W of C/L of Frisco RR main line track; 96 ft. E. of E side stock loading chute #4; 39 ft. E of C/L of CRI&P RR main line track; 17.5 ft. S of MP 492-20. (Note 1)
El. 1109.099 ft.

X-152 1934; Comanche Co., 6.2 mi. N of Lawton Post Office via CRI&P RR; 183 ft. E of C/L of US Hwy. #277; 180 ft. N of MP 490-20; 102 ft. E of telephone pole #3767; 70 ft. W of C/L of St. L & SF Ry. track; 31 ft. E of C/L of CRI&P RR track; 27 ft. N of C/L of cross road; 5.8 ft. S of telegraph pole. (Note 1)
El. 1119.584 ft.

Y-152 1934; Comanche Co., 8.0 mi. N of Lawton Post Office via CRI&P RR; 0.2 mi. S of RR trestle #488-7; 0.2 mi. NE of small service station & store; 98 ft. E of C/L of track; 44 ft. N of C/L of cross road; 14 ft. NW of C/L of gateway at SW fence corner; 2 ft. N of R/W fence corner cross. (Note 1)
El. 1127.727 ft.

Z-152 1934; Comanche Co., 10.1 mi. N of Lawton Post Office, via CRI&P RR; at junction of US Hwy. #277 & OK. Hwy. #49; 600 ft. S of S end of RR trestle #486-7; 91 ft. E of C/L US Hwy. #277; 52.7 ft. W of C/L of track; 32 ft. N of C/L of cross road; 3.6 ft. E of telephone pole #3613; 3.5 ft. W of R/W fence. (Note 1)
El. 1145.293 ft.

M-153 1934; Comanche Co., 8.8 mi. S of CRI&P RR depot, Apache; 0.5 mi. N of Richards spur; 110 ft. W of C/L of track; 33 ft. S of C/L of cross road; 7.2 ft. E of telephone pole #3529; 5.2 ft. N of NW R/W fence cor. (Note 1)
El. 1172.721 ft.

N-153 1934; Comanche Co., 6.4 mi. S of CRI&P RR depot, Apache; 0.4 mi. S of Parker RR water tank; 540 ft. N of N end of RR bridge #482-4; 150 ft. W of C/L of track; 147 ft. N of C/L of road crossing; 58 ft. NE of telephone pole #3430; 28 ft. E of C/L of lane parallel to track; 2.3 ft. SW of cross fence. (Note 1)
El. 1208.797 ft.

P-153 1934; Comanche Co., 4.3 mi. S of CRI&P RR depot, Apache; at jog in R/W fence; 1200 ft. S of road crossing; 521 ft. S of MP 480-10; 51 ft. E of C/L of track; 48 ft. W of R/W fence; 46 ft. S of SW fence cor. 5 ft. below top of rails; 4.7 ft. E of telegraph pole. (Note 1)
El. 1216.572 ft.

Q-153 1934; Comanche Co., 2.6 mi. S of CRI&P RR depot, Apache; 365 ft. N of MP 478-20; 130 ft. SE of telephone pole #3266; 67.5 ft. E of C/L of track; 33.2 ft. E of telegraph pole; 28 ft. S of C/L of cross section road; 27 ft. E of C/L of gateway in R/W fence; 2.5 ft. N of fence. (Note 1)
El. 1250.191 ft.

R-153 1934; Caddo Co., 1.6 mi. S of CRI&P RR depot, Apache; 96.5 ft. W of C/L of track; 68 ft. W of C/L of dirt road parallel to track; 53.5 ft. N of C/L of US Hwy. #62; 11.4 ft. NE of telephone pole 3225, guyed three ways; 3.3 ft. E of R/W fence. (Note 1)
El. 1255.831 ft.

For additional elevations in the vicinity of Apache, see Traverse 29-C.

S-153 1934; Caddo Co., at Apache; 89.7 ft. N of N end of CRI&P RR depot; 81 ft. N of MP 476; 75 ft. SW of SW cor. of Chickasha Milling Co. grain elevator; 16.2 ft. E of C/L of main line track. (Note 1)
El. 1258.694 ft.

T-153 1934; Caddo Co., at Apache; in NE concrete pedestal of City Water Tank; 63.3 ft. S of S wall of City Hall; 45 ft. E of C/L of alley. (Note 1)
El. 1299.758 ft.

U-153 1934; Caddo Co., 1.8 mi. NE of CRI&P RR depot, Apache; 370 ft. NE of NE end of RR trestle #4742; 135 ft. SW of 4th telegraph pole SW of MP 474; 105 ft. SW of C/L of hwy. crossing; 73 ft. W of C/L of US Hwy. #62; 36.8 ft. NW of C/L of track; 3.5 ft. NE of R/W cross fence. (Note 1)
El. 1295.919 ft.

V-153 1934; Caddo Co., 1.9 mi. SW of CRI&P RR depot, Stecker; 53 ft. E C/L of cross section road; 38.8 ft. SE of C/L track; 30 ft. NE of NW fence corner; 4.6 ft. SW of first telegraph pole; NE of MP 472-10; 8.6 ft. NW of fence. (Note 1)
El. 1307.258 ft.

For additional elevations in the vicinity of Stecker, see Traverse 21-J.

W-153 1934; Caddo Co., at Stecker; 48.4 ft. W of C/L of CRI&P (main line) RR track; 22.3 ft. W of MP 470-15; 20 ft. S of telephone pole #2923; 6.7 ft. SW of SW cor. of depot; 2.8 ft. E of fence. (Note 1)
El. 1348.232 ft.

X-153 1934; Caddo Co., at Stecker; in S wall of Stecker school Dist. # 71; 30.4 ft. E of C/L of front entrance; 3.9 ft. above ground; 2.9 ft. W of SE corner of building. (Note 1)
El. 1351.513 ft.

Y-153 1934; Caddo Co., 1.5 mi. NE of CRI&P RR depot, Stecker; where RR passes

through small cut; 150 ft. N of MP 469-5; 78 ft. S of telephone pole #2867; 60 ft. E of cattle guard; 34.4 ft. NW of C/L of track; 20 ft. W of C/L of cross section road; 5.2 ft. W of RR crossing sign; 2.5 ft. above top of rails. (Note 1) El. 1379.997 ft.

Z-153 1934; Caddo Co., 2.9 mi. NW of CRI&P RR depot, Stecker; 138 ft. NW of 3rd telegraph pole SW of MP #467-20; 100 ft. NW of C/L of track; 27 ft. E of C/L of cross section road; 6.2 ft. SE of telephone pole #2810; 1.6 ft. W of R/W cross fence. (Note 1) El. 1309.666 ft.

A-154 1934; Caddo Co., 5.0 mi. SW of CRI&P RR depot, Anadarko; 150 ft. E of C/L of track; 135 ft. SE of second telegraph pole S of MP 465-10; 105 ft. E of gate in R/W fence; 37 ft. S of C/L of private lane thru Fremont Boyle Farm; 3.2 ft. W of fence. (Note 1) El. 1223.908 ft.

B-154 1934; Caddo Co., 3.0 mi. SW of CRI&P RR depot, Anadarko; 150 ft. S of telephone pole #2620; 40 ft. W of C/L of cross road; 30 ft. SW of cattle guard; 30 ft. SE of C/L of track; 6.3 ft. W of second telegraph pole SW of MP 463-10; 4.5 ft. above rails. (Note 1) El. 1200.664 ft.

C-154 1934; Caddo Co., 1.5 mi. S of CRI&P RR depot, Anadarko; 70 ft. NW of N end of RR trestle #4819; 55.3 ft. W of C/L of track; 39 ft. N of C/L of cross road; 21.8 ft. N of telephone pole #2557; 11 ft. E of C/L of dirt road leading N to small frame farm house; 1.8 ft. W of R/W fence. (Note 1) El. 1177.537 ft.

For additional elevations in the vicinity of Anadarko, see U.S.C. & G.S. Line # 27, Traverses 21-A and 21-B

D-154 1934; Caddo Co., 2.4 mi. N of CRI&P RR depot, Anadarko; first cross road N of steel RR bridge over Washita River; 92 ft. SE of 1st telegraph pole N of MP 120-20; 47 ft. E of C/L of track; 27 ft. N of C/L of cross section road; 2.6 ft. W of R/W fence. (Note 1) El. 1171.677 ft.

E-154 1934; Caddo Co., 4.5 mi. N of CRI&P RR depot, Anadarko; 61 ft. S of 3rd telegraph pole NW of MP 118-20; 51 ft. SW of C/L of track; 26 ft. S of C/L of cross section road; 1.8 ft. NW of R/W fence. (Note 1) El. 1186.323 ft.

F-154 1934; Caddo Co., 2.4 mi. S of CRI&P RR depot, Gracemont; 0.3 mi. S of cross section road; 207 ft. N of crocheted elm tree, 4.8 ft. in diameter at base; in line with E R/W fence. 85.6 ft. E of MP 116-20; 47.7 ft. E of C/L of track; 8 ft. W of C/L of dirt road; 2.2 ft. W of R/W fence (Note 1) El. 1199.922 ft.

G-154 1934; Caddo Co., at Gracemont; 165 ft. SW of switch of Gracemont siding; 129 ft. SW of C/L of road crossing; 96.3 ft. W of C/L of track; 73 ft. NW of 7th telegraph pole S of MP 114-10; 32 ft. N of C/L of gateway; 1.7 ft. E of R/W fence. (Note 1) El. 1213.882 ft.

H-154 1934; Caddo Co., at Gracemont; in SW cor. of CRI&P RR depot park; 79 ft. SW of SW cor. of depot; 41 ft. W of C/L of main line track; 14.5 ft. W of cottonwood tree; 2 ft. in diameter at base; 3.4 ft. NE of SW park fence corner. (Note 1) El. 1215.057 ft.

J-154 1934; Caddo Co., 1.5 mi. NW of CRI&P RR depot, Gracemont; 150 ft. SE of MP 113; 23.5 ft. E of C/L of track; 23 ft. S of cattle guard; 22 ft. N of C/L of cross section road; 4.2 ft. NE of RR crossing sign. (Note 1) El. 1226.851 ft.

K-154 1934; Caddo Co., 3.7 mi. NW of CRI&P RR depot, Gracemont; 125 ft. W of W end of road bridge with large wooden truss; 80 ft. NE of MP 110-25; 31 ft. S of C/L of track; 2.7 ft. N of E wing of cattle guard. (Note 1) El. 1239.958 ft.

L-154 1934; Caddo Co., 3.7 mi. W of RR depot, Binger; 115 ft. S of C/L of road crossing; 38.2 ft. N of MP 108-20; 32 ft. S of S cattle guard; 30.8 ft. SW of C/L of track; 26 ft. E of C/L of cross section road; 19 ft. S of telephone pole 850 (Note 1) El. 1265.798 ft.

M-154 1934; Caddo Co., 1.5 mi. S of CRI&P RR depot, Binger; at point where power line crosses track; 100 ft. W of C/L of track; 94 ft. SW of 1st telegraph pole N of MP 106-20; 92 ft. S of C/L of road crossing & road bridge; 81 ft. NW of power line pole; 44 ft. NE of N side of W. T. Haun house; 21 ft. W of C/L of section line road; 3 ft. E of fence. (Note 1) El. 1281.464 ft.

For additional elevations in the vicinity of Binger, see Traverses 13-A and 20-E.

N-154 1934; Caddo Co., at Binger; 225 ft. N of MP 105; 141 ft. N of N end of CRI&P RR depot; 48 ft. N of C/L of highways, OK. Hwy. #41 and OK. Hwy. #8; 29 ft. W of C/L of main line track; 6.5 ft. W of iron ladder to RR water tank; (Note 1) El. 1295.778 ft.

Magnetic Station, Caddo Co., at Binger; 52.6 ft. S. of NW cor. of N Wing of Binger High School; 40.9 ft. E of NW cor. of W wing; 20.3 ft. N of N wing; 11.2 ft. N of W. wing; 24.5 ft. NW of front door. Stamped "USC&GS Magnetic Station." (Note 1) El. 1376.493 ft.

P-154 1934; Caddo Co., 2.0 mi. N of CRI&P RR depot; Binger; at N end of RR cut; 76 ft. E of third telegraph pole S of MP 102-25; 51 ft. S of small RR culvert with white stone headwalls; 46 ft. E of C/L of track; 31 ft. S of C/L of gate in R/W fence; 4 ft. above top of rails. (Note 1) El. 1335.197 ft.

For additional elevations in the vicinity of Lookaba, see Traverses 13-A, 97.

- Q-154 1934; Caddo Co., at Lookeba; 93 ft. N of C/L of cross road; 82 ft. S of S side CRI&P RR depot; 71 ft. S of 2nd telegraph pole S. of MP 100-25; 16.5 ft. W of C/L of main line track; 3 ft. E of SW cor. of depot platform fence. (Note 1) El. 1343.442 ft.
- R-154 1934; Caddo Co., at Lookeba; N. wall of E. wing of Lookeba School; 29.2 ft. E. of E. entrance; 6.5 ft. S of SE leg of bell tower; 4 ft. above ground; 2.6 ft. E of NE cor. of wing. (Note 1) El. 1427.415 ft.
- S-154 1934; Caddo Co., 2.5 mi. N. of CRI&P RR depot, Lookeba; 72 ft. E of 1st tel. pole N. of MP 98-25; 46 ft. E of C/L of track; 29 ft. N of C/L of cross section road; 12 ft. W. of C/L of gateway; 5.7 ft. W of R/W fence cor. 2.5 ft. S of R/W cross fence. (Note 1) El. 1370.398 ft.
- T-154 1934; Caddo Co., 4.1 mi. N. of CRI&P RR depot, Lookeba; 300 ft. E. of point where telephone line crosses track; 115 ft. NE of First Telegraph pole NE of MP 97-10; 54.6 ft. NW of C/L of track; 50.8 ft. SE of W R/W fence cor. 2 ft. SW of R/W cross fence. 23 ft. NE of C/L cross road. (Note 1) El. 1445.132 ft.
- U-154 1934; Caddo Co., 3.6 mi. S of CRI&P RR depot, Hinton; 0.1 mi. W of two-story white house where road is cut through red sandstone; 75 ft. E of 1st telegraph pole S. of MP 96-15; 38 ft. E of C/L of track; 37 ft. N of C/L of cross section road; 4.4 ft. W. of private telephone line pole. (Note 1) El. 1482.759 ft.
- V-154 1934; Caddo Co., 1.1 mi. S of CRI&P RR depot, Hinton; 51 ft. S of MP 94; 35 ft. W. of C/L of CRI&P RR track; 31 ft. N of C/L of cross road to Kiwanis Canyon Park; 4.5 ft. above top of rails. (Note 1) El. 1613.688 ft.

For additional elevations in the vicinity of Hinton, see traverse 13-A.

- W-154 1934; Caddo Co., at Hinton; 75 ft. SE of SE cor. of CRI&P RR depot; 72 ft. N. of C/L of street; 33 ft. E. of C/L of main line track; 30 ft. NE of E end of RR culvert 2.5 ft. W. of SE fence cor. (Note 1) El. 1649.062 ft.
- X-154 1934; Caddo Co., at Hinton; S. face of cone base of brick column on W. side of main entrance to Hinton School; 2 ft. E. of edge of door; 1.5 ft. above ground. (Note 1) El. 1676.355 ft.
- Y-154 1934; Caddo Co., 2.3 mi. N of CRI&P RR depot, Hinton; inside of long RR cut; hair pine curve of cross road; 40 ft. SW of C/L of cross section road; 27 ft. W of C/L of track; W. of cattle guard; N side of fence; 4 ft. above top of rails. (Note 1) El. 1559.449
- Z-154 1934; Caddo Co., 3.2 mi. E of CRI&P RR depot, Bridgeport; under end of US Hwy. #66 bridge & overpass; top of N. end of base of E. concrete bent; 22 ft. E of C/L of track; 4.5 ft. above top of rail. (Note 1) El. 1455.427 ft.
- Bridgeport #1; 1934; Caddo Co., 0.4 mi. NE of Bridgeport Water Tower; at road crossing; 215 ft. E of MP 86; 35 ft. SE of C/L of cross road; 30 ft. S of C/L of CRI&P RR track; 1.5 ft. W of fence. (Note 1) El. 1419.597 ft.
- Bridgeport #2 1934; Caddo Co., at Bridgeport; top of N side of cistern cover; 33 ft. N. of C/L of CRI&P main line track; 10.5 ft. W. of W. end of depot. (Note 1) El. 1427.881 ft.

For additional elevations in the vicinity of Bridgeport, see USC&GS Line #25 and Traverses 13-A, 14-B.

U. S. Coast & Geodetic Survey - Second Order Leveling.
Line #66; Clinton, Oklahoma, to Vernon, Texas.

For additional elevations in vicinity of Clinton, see USC&GS Line #25, Traverse 9-D and 9-H.

- A-28 1934; Custer Co., at Clinton CRI&P RR depot; 45 ft. E of Frisco RR main line; E of N end of Frisco depot; 35 ft. S from C/L of Frisco Ave. (Note 1) El. 1518.534 ft.
- B-28 1934; Custer Co.; 0.9 miles S of St. L&SF RR depot; 36 ft. N of C/L of St. L&SF RR MP 681.15; intersection of road and RR and under telephone line. (Note 1) El. 1524.390 ft.
- C-28 1934; Custer Co., 2.5 miles S of St. L&SF RR depot, Clinton; in culvert 225 ft. S of MP 683; NE of junction of OK Hwy. #14 & US Hwy. #66; in NW cor. of culvert headwall; 9 ft. W of track. (Note 1) El. 1602.562 ft.
- D-28 1934; Washita Co.; 4.4 mi. S of St. L&SF RR depot, Clinton; at MP 685.5; 40 ft. E of track, in fence line; 50 ft. W of C/L of OK Hwy. #14. (Note 1) El. 1591.352 ft.
- E-28 1934; Washita Co.; 6.5 mi. S of St. L&SF RR depot, Clinton; $\frac{1}{4}$ mi. W. of OK Hwy. #14; 100 ft. S of MP 687; 30 ft. E. of track; 0.4 mi. N of a farm house. (Note 1) El. 1609.239 ft.
- F-28 1934; Washita Co.; 9.0 mi. S of St. L&SF RR depot, Clinton; 4 ft. S of MP 690 at intersection of road and OK Hwy. No. 14; 30 ft. E of track and 20 ft. N of road. (Note 1) El. 1536.089 ft.
- G-28 1934; Washita Co., 5.4 mi. N of St. L&SF RR depot, Cordell; 800 ft. S of RR bridge at crossing $\frac{1}{2}$ mi. E of farm house; 30 ft. E of tracks; 25 ft. N of C/L of road. (Note 1) El. 1487.586 ft.

H-28 1934; Washita Co; 3.4 mi.N. of St.L&SF RR depot, Cordell; at intersection of RR and county line road; 20 ft.S. of C/L of road; on top of RR cut in fence line about half way between two RR bridges 1600 ft.apart; 30 ft.W.of track. (Note 1)
El. 1566.273 ft.

J-28 1934; Washita Co., 1.1 mi.N.of St.L&SF RR depot, Cordell; 0.2 mi.E. of a farmhouse; in R/W of RR at road crossing; 30 ft.E.of track; 20 ft.N. of C/L of road. (Note 1).
El. 1570.830 ft.

For additional elevations in vicinity of Cordell, see Traverse 9-D and 13-B.

K-28 1934; Washita Co., at St.L&SF RR depot, Cordell; 50 ft.S.of depot; 6 ft.N. of wood stave water tank; 8 ft. E. of RR track in curb around platform. (Note 1).
El. 1536.562 ft.

M-28-1934; Washita Co., at Public Library, Cordell; in S. entrance level with the top step; 5 ft. above ground. (Note 1).
El. 1565.358 ft.

L-28 1934; Washita Co., in Cordell Courthouse W. side of 4 steps; in SW cor. at base of brick column. (Note 1.)
El. 1560.971 ft.

N-28 1934; Washita Co., 0.8 mi.S. of St.L&SF RR depot, Cordell; in SW cor. of S. ent of OK Hwy.#14 bridge; near St.L&SF RR (Note 1.)
El. 1519.826 ft.

P-28 1934; Washita Co., 2.6 mi.S.of St.L&SF RR depot,Cordell; in SW cor. bridge OK Hwy.#14; level with paving and track;75 ft.E.of RR track.(Note 1.)
El. 1530.043 ft.

Q-28 1934; Washita Co., 4.4 mi.S. of St.L&SF RR depot,Cordell; 0.4 mi.S. of MP 701 in RR bridge; 10 ft. below RR track; in center of E.end of bridge. (Note 1).
El. 1597.562 ft.

R-28 1934; Washita Co; 6.4 mi.S.of St.L&SF RR depot, Cordell; at MP 703; in OK Hwy.#14 underpass in E.fence cor. 10 ft. below track; 30 ft. from C/L of sec. line. (Note 1)
El. 1649.931 ft.

S-28 1934; Washita Co., 2.5 mi.N.of St L&SF RR depot, Rocky; 75 ft.E. of RR track; at MP 705; 20 ft.W.of C/L Hwy.#14; in center of W. end bridge; 3 ft.below track (Note 1).
El. 1686.545 ft.

T-28 1934; Washita Co., 0.2 mi.N.of St L&SF RR depot,Rocky; near MP 707; in E. end of RR culvert; 30 ft.E. of track; 100 ft.W.of OK Hwy.#14; in N.edge of Rocky. (Note 1.)
El. 1652.136 ft.

U-28 1934; Washita Co., at State Bank of Rocky; N. step; 2 ft. above street; 40 ft.W.of C/L Hwy.#14; one block W.of Post Office. (Note 1.)
El. 1647.372 ft.

V-28 1934; Washita Co., at city water tower base, Rocky; SE edge of town; 150 ft. E.of Hwy.#14; 200 ft.N. of school; in SW cor.SW leg base of tank 6" above ground (Note 1).
El. 1639.783 ft.

W-28 1934; Washita Co., 2.9 mi.S.of St.L&SF RR depot, Rocky; at RR crossing $\frac{1}{2}$ mi.W. of OK Hwy.#14; 1200 ft.E. of farmhouse at MP 710; 30 ft.N. of C/L of road; 45 ft.E. of track in fence line. (Note 1.)
El. 1599.439 ft.

X-28 1934; Kiowa Co., 5.0 mi.S.of St.L&SF RR depot, Rocky; at RR crossing; 40 ft.W.of track; 20 ft. from C/L of road in R/W fence at MP 712. (Note 1).
El. 1613.645 ft.

Y-28 1934; Kiowa County; 7.0 mi.S. of St.L&SF RR depot; Rocky; in RR crossing Hwy. fence cor. at "T" in road; 40 ft.E. of track; 20 ft.S.of C/L of road; 300 ft. W. of Frisco School Dist.#69; on R/W fence line. (Note 1).
El. 1610.167 ft.

Z-28 1934; Kiowa Co; in Hobart near Cities Service Oil Co; at RR crossing OK Hwy.#9; NE cor. of town; 40 ft. W. of track; in NE cor. Hwy. bridge; 18 ft. from C/L just S. of Cities Service Oil Co. Bulk Tanks. (Note 1.)
El. 1538.626 ft.

For additional elevations in vicinity of Hobart, see USC&GS Line #27, Traverse 21-D and 21-K.

D-29 1934; Kiowa Co., in High School Bldg., Hobart; 3 blocks N. of P.O. under first window W. of S. entrance; S.side of bldg; 30 ft.from door; 8" above ground (Note 1).
El. 1552.513 ft.

C-29 1934; Kiowa Co., in P.O. at Hobart; set in pilaster at E. entrance; 5 ft. above ground; S. side of step; S. pilaster; 60 ft. from C/L of street. (Note 1.)
El. 1550.699 ft.

B-29 1934; Kiowa Co., 0.5 mi.S. of St.L&SF RR depot, Hobart; at RR crossing; 300 ft. E.on Hwy. bridge; in E.end of bridge; SE part level with road; at MP 717.15; 50 ft. N.and 300 ft.E. of RR bridge. (Note 1.)
El. 1520.912 ft.

A-29 1934; Kiowa Co., 2 mi.S. of St.L&SF RR depot, Hobart; 30 ft.W. of track; 40 ft. S. of CRI&P RR track; mark is at junction of Frisco and CRI&P RR. located in SW cor. of RR crossing. (Note 1).
El. 1538.865 ft.

E-29 1934; Kiowa Co., 2.3 mi.S. of St.L&SF RR depot, Hobart; 50 ft. S. of MP 719; in RR culvert; in E. end of culvert about same level as rails; 6 ft.E. of C/L of track. (Note 1.)
El. 1536.798 ft.

F-29 1934; Kiowa Co., 4.9 mi.S. of St.L&SF RR depot, Hobart; $\frac{1}{4}$ mi.W. of Babbs Memorial School Dist. 42; 40 ft.W. of track; 30 ft.N. of C/L of road; MP 721.20 OK Hwy.#9. (Note 1).
El. 1530.118 ft.

G-29 1934; Kiowa Co., 7.0 mi.S. of St.L&SF RR depot, Hobart; 75 ft. E. of

- track in W. cor. of Hwy. bridge on OK. Hwy.#14; 6 ft. below track; near wooden RR trestle; 9 ft. N. of MP 723.25. (Note 1.) El. 1500.506 ft.
- H-29 1934; Kiowa Co., 9.1 mi.S. from St.L & SF RR depot, Hobart; at MP 725.25; 800 ft. N. of cross road and RR crossing; in culvert on OK.Hwy.#14; in middle of W. end of culvert; 12 ft. below track; 120 ft. E. of track; 15 ft.W. of C/L of road. (Note 1.) El. 1494.521 ft.
- J-29 1934; Kiowa Co., 1.9 mi.N. from St.L&SF depot, Roosevelt; at RR crossing; 100 ft.N. from MP 728; 40 ft.W. of track and 50 ft.E. of C/L OK Hwy.#14. (Note 1.) El. 1473.278 ft.
- K-29 1934; at Roosevelt; in concrete curb; 6 ft. S. of SE cor. of depot; level with track; 12 ft. from rail. (Note 1.) El. 1464.026 ft.
- L-29 1934; Kiowa Co., at Roosevelt High School; set in S. side; E. entrance; second step. (Note 1.) El. 1465.922 ft.
- M-29 1934; Kiowa Co., at Roosevelt State Bank; facing OK Hwy.#14; in S. side of door in E. front entrance. (Note 1.) El. 1462.356 ft.
- N-29 1934; Kiowa Co., 3.0 mi.S. of St.L & SF depot, Roosevelt; at section line road crossing; in S. wing W. end OK Hwy.#14 bridge; 500 ft.E. of track; 400 ft. S. of MP 732.15. (Note 1.) El. 1420.109 ft.
- P-29 1934; Kiowa Co., 7 blocks W. of Cold Springs Post Office; in N. wing, E. end of bridge; 800 ft. E. of St.L&SF RR. (Note 1.) El. 1412.277 ft.
- PP-29 1934; Kiowa Co., Cold Springs; at St.L&SF RR depot; 800 ft.N. in center of supports for water tower; about 4 ft. high; 20 ft.E. of track; 200 ft.S. of MP 733.25. (Note 1.) El. 1405.378 ft.
- Q-29 1934; Kiowa Co., 0.7 mi.S. of St.L&SF RR depot, Cold Springs; at RR crossing on E. side of track; NE from road; in R/W fence corner; 60 ft.NE from C/L of road; MP 734.20. (Note 1.) El. 1396.887 ft.
- R-29 1934; Kiowa Co., 3.4 mi.S. of St.L. & SF RR depot, Cold Springs; at N. side of road at crossing; W. side of track; in fence corner; on section line. (Note 1.) El. 1390.768 ft.
- T-29 1934; Kiowa Co., 5.7 mi.S. of St.L. & SF RR depot, Cold Springs; 400 ft. N. of MP 739.20; in fence line; 50 ft.E. of track; 30 ft.S. of section line. (Note 1.) El. 1369.554 ft.
- S-29 1934; Kiowa Co., 0.6 mi. S. of St.L. & SF RR depot, Mountain Park; 400 ft. E. of RR in city water tower; SW leg, in base; 1 ft. above ground; water tower in City Park. (Note 1.) El. 1365.165 ft.
- U-29 1934; Kiowa Co., at Mountain Park Planter's State Bank; 2 blocks E. of depot; N. front; 5 ft. above walk vertical in brick wall of W. door. (Note 1.) El. 1376.903 ft.
- V-29 1934; Kiowa Co., at St.L & SF RR depot, Mountain Park; in base of water hydrant; at SE cor. of depot; 40 ft. E. of track; 20 ft. W. of coal shed. (Note 1.) El. 1368.255 ft.
- W-29 1934; Kiowa Co., 0.4 mi.E. of St.L. & SF RR depot, Snyder; in RR yards; in base of elevated oil tank; mark between ladder legs in concrete on S. end of tank; 30 ft. W. of tracks. (Note 1.) El. 1361.746 ft.
- For additional elevations in vicinity of Snyder, see USC&GS Line #35, Traverse 25-D, 25-F, and 28-C.
- X-29 1934; Kiowa Co., At St.L & SF RR depot; Snyder; to the left of main entrance; N. wall facing track; 5 ft. above floor; vertical in brick wall. (Note 1.) El. 1364.026 ft.
- Y-29 1934; Kiowa Co., at Snyder; in S. side of City Hall, at fire engine entrance; inside, down next to wall; 30 ft. W. of SE cor. (Note 1.) El. 1354.538 ft.
- Z-29 1934; Kiowa Co., 1.1 mi. SE of St.L & SF RR Snyder; where US. Hwy.#62 crosses RR; at MP 744.20; in S. end of culvert; E. wing; 20 ft.E. of near rail; 12 ft. N. of C/L US Hwy.#62. (Note 1.) El. 1363.104 ft.
- L-36 1934; Kiowa Co., 3.2 mi.S. of St.L.&SF RR depot, Snyder; 400 ft.W. of MP 746.20 at RR crossing; 50 ft.W. of track; in fence cor. 30 ft. N. of road. (Note 1.) El. 1379.131 ft.
- M-36 1934; Kiowa Co., 6.3 mi.N. of St.L.&SF RR depot; Manitou; 500 ft. N. of MP 748.23; $\frac{1}{2}$ mi.E. of OK Hwy.#14; 200 ft.W. of rail; 40 ft.N. of C /L of road; in fence line; level with track. (Note 1.) El. 1397.907 ft.
- N-36 1934; Tillman Co., 4.4 mi.N. of St.L.&SF RR depot, Manitou; at intersection of RR and OK Hwy.#14; 10 ft. from edge of Hwy; 10 ft. from C/^u of track; on E. side of road in culvert at same elevation as track. (Note 1.) El. 1342.783 ft.
- 100 ft. N. of MP 750.20
- P-36 1934; Tillman Co., 2.9 mi.N. of St.L & SF RR depot, Manitou; in Hwy.#14 bridge along RR; 500 ft. S. of MP 752; mark is 75 ft. directly E. of wood trestle on RR; 25 ft. W. of C/L of Hwy.#14; in NW wing of concrete bridge level with road. (Note 1.) El. 1289.807 ft.
- Q-36 1934; Tillman Co., 1.0 mi.N. of St.L & SF depot, Manitou; at crossing and where line crosses track; 500 ft.N. of MP 754; 50 ft. S. of crossing; 60 ft.W. of C/L of Hwy. 14; 30 ft.E. of RR, in fence line. (Note 1.) El. 1265.926 ft.

For additional elevations in vicinity of Manitou, See Traverse 25-C.

- R-36-1934; Tillman Co., at St.L & SF RR depot; Manitou; NW 100 ft. from depot; W. side of track at crossing; 40 ft.S. of road. (Note 1.) El. 1255.139 ft.
- S-36 1934; Tillman Co., at Manitou; in Bank and Post Office Bldg., 3 blocks E. of depot on S.side of street; vertical mark on W. wall near NW cor. 5 ft. above walk. (Note 1.) El. 1254.453 ft.
- T-36 1934; Tillman Co., 1.6 mi.S. of St.L&SF RR depot, Manitou; 500 ft. N.of MP 756.20; in E. fence of R/W; Oklahoma State Hwy. Marker; top of marker, stamped in plate on N. side of post. El. 1246.444 ft.
- U-36 1934; Tillman Co., 3.6 mi.S.of St.L&SF RR depot, Manitou; in Hwy.#14 bridge near RR; 500 ft.S. of MP 758.15; NE abutment of bridge; 100 ft. E. of track; 1 foot above road bed. (Note 1.) El. 1266.917 ft.
- V-36 1934; Tillman Co., 3.0 mi.N. of St.L &SF RR depot, Frederick; at RR crossing; road off OK Hwy.#14 across RR tracks; 20 ft.S. of track; 50 ft. W. of RR and 30 ft.S. of crossing. (Note 1.) El. 1336.247 ft.

For additional elevations in vicinity of Frederick, see USC&GS Line #39, Traverse 25-C and 26-E.

- Frederick 1934; Tillman Co., 15 ft.N. of NE cor. of Courthouse, Frederick; 55 ft. E. of N. door; 1 ft.N. of N. edge of sidewalk; 1 ft. E. of curb or parking space of roadway through courtyard; 6" above ground. (Note 1.) El. 1304.344 ft.
- W-36 1934; Tillman Co., at St.L&SF RR depot, Frederick; 100 ft.S. of MP 763.15; on W. side of track in culvert headwall; 200 ft.S. of Sinclair Bulk Station; about 1 block S. of depot; (Note 1.) El. 1296.736 ft.
- X-36 1934; Tillman Co., at Post Office, Frederick; in front of bldg. N. side in W. banister of steps; about 2½ ft. above ground. (Note 1.) El. 1300.709 ft.
- Y-36 1934; Tillman Co., 1.2 mi.S. of St.L.&SF RR depot, Frederick; in RR culvert; E. headwall; 300 ft.S. of MP 764.20; at long curve in OK Hwy.#14. (Note 1.) El. 1267.793 ft.
- Z-36 1934; Tillman Co., 3.3 mi.S. of St L&SF RR depot, Frederick; 300 ft. S.of MP 766.20; 50 ft.W. of C/L of OK Hwy.#14; 10 ft. from E R/W fence; under telephone line; 30 ft.E. of track. (Note 1.) El. 1220.401 ft.
- A-37 1934; Tillman Co., 5.1 mi.S.of St L&SF RR depot, Frederick; on hwy. in SW cor. of conc. bridge; 120 ft. E. of track and level with track; 500 ft.N. of MP 768.20 (Note 1.) El. 1186.441 ft.
- B-37 1934; Tillman Co., 3.9 mi.N. of St.L & SF RR depot, Davidson; 150 ft. S. of MP 770.10; 60 ft.E. of track; at RR crossing; mark is top of conc. hwy. marker established by Oklahoma State Hwy. Dept; top of conc. post; stamped in shield on side of post. El. 1178.009 ft.
- C-37 1934; Tillman Co., 1.7 mi.N. of St.L & SF RR depot, Davidson; 110 ft. S. of MP 772.15. (Note 1.) El. 1159.696 ft.
- D-37 1934; Tillman Co., 500 ft.S. of St.L&SF RR depot, Davidson; 30 ft.E. of track under telegraph line; 100 ft.S. of MP 774.5. (Note 1.) El. 1169.574 ft.
- DD-37 1934; Tillman Co., Davidson; in NE leg of city water tower; 6" above ground in concrete base. (Note 1.) El. 1170.936 ft.
- E-37 1934; Tillman Co., 1.8 mi.S. of St.L & SF RR depot, Davidson; 500 ft. N. of MP 776; 400 ft. W. of farmhouse; 20 ft. W. of track. (Note 1.) El. 1149.896 ft.

REFERENCE BIBLIOGRAPHY

The publications listed below treat in detail various phases of survey field procedure and computations. They may be obtained from the Superintendent of Documents, Washington, D.C., at the prices indicated:

- Special Publication No. 8: "Formulas and Tables for Computation of Geodetic Positions" - Price 30¢
- Special Publication No. 14: "Determination of Time, Longitude, Latitude and Azimuth" - Price 45¢
- Special Publication No. 26: "Description of Work, Methods and Organization of the U. S. Coast and Geodetic Survey"
- Special Publication No. 28: "Application of the Theory of Least Squares to the Adjustment of Triangulation" - Price 25¢
- Special Publication No. 93: "Reconnaissance and Signal Building" - Price 30¢
- Special Publication No. 120: "Manual of First-Order Triangulation" - Price 40¢
- Special Publication No. 137: "Manual of First-Order Traverse" - Price 30¢
- Special Publication No. 138: "Manual of Triangulation Computation and Adjustment" - Price 60¢
- Special Publication No. 140: "Manual of First-Order Leveling" - Price 30¢
- Special Publication No. 145: "Manual of Second and Third-Order Triangulation and Traverse" - Price 60¢
- Special Publication No. 158: "Bilby Steel Tower for Triangulation" - Price 15¢
- Special Publication No. 190: "First-Order Triangulation in Oklahoma" - Price 15¢
- Special Publication No. 193: "Manual of Plane Coordinate Computations" - Price 35¢
- Special Publication No. 194: "Manual of Traverse Computation on the Lambert Grid" - Price 20¢
- Serial No. 347: "Use of Coast and Geodetic Survey Data in Surveys of Farms and Other Properties" - Price 5¢

Key to Abbreviations

C.H.	Court House
C/L	Center Line
MP.	Mile Post
P.C.	Point of Curve
P.O.	Post Office
R/W	Right of Way