C — *Southwest*

C′ — *Northeast*

1
Cities Service Oil Co.
Huchinson "A"
C SE NW 18, T. 3 S., R. 16 W.
Field: Wildcat

22 Miles

2
Texoma Resources, Inc
1-17 J-Bar Ranch
C SW SE NE 17, T. 3 S., R. 7 W.
Field: Wildcat
KB: 962

10 Miles

3
Helmerich & Payne Inc.
Mobil No. 1
NE 13, T. 1 S., R. 4 W.
Field: SHO-VEL-TUM
KB: 973

21 Miles

Cross-section A tie

4
Walker
Troy 1-10
SE NE NW 10, T. 1 S., R. 1 E.
Field: Davis SW
KB: 954 ft

Cross-section E tie

10 Miles

Cross-section A tie

5
Ledbetter H. E. et al
1 Noel E. White
NE NW SW 7, T. 1 S., R 3 E.
Field: Sandy Creek SW
KB: 900 ft

22 Miles

Cross-section A tie

6
R. W. Simpson Jr.
E. C. Hunter #1
NE NW NE 29, T. 2 N., R. 6 E.
Field: Fitts West
KB: 1201 ft

8.5 Miles

7
Townsend Operating Company Inc.
Beth #1
NW NW SW 14, T. 3 N., R. 6 E.
Field: Wildcat
KB: 835

10.5 Miles

8
Hondo Oil & Gas
M. G. Kellog #1
S2 SW NW 4, T. 2 N., R. 8 E.
Field: Wildcat
KB: 770

26 Miles

9
Exxon Co. U. S. A.
J. Vernon Black No. 1
NW SE NW 28, T. 5 N., R. 12 E.
Field: Pine Hollow South
KB: 844

Cross-section D tie

39 Miles

10
Bill O. Andress
Urquhart #1-36
C NW 36, T. 9 N., R. 16 E.
Field: Patrick
KB: 687

46 Miles

11
Carter Oil Co.
Roy H. Williams No. 1
NW SE 5, T. 10 N., R. 24 E.
Field: Brent
KB: 508

Datum: Top of Viola Group

Wichita Uplift

Viola Group

Simpson Group — Lower Simpson sandstone

Arbuckle Group

Sylvan

Viola

Bromide dense

Bromide

Tulip Creek

upper McLish

basal McLish

Birdseye limestone

Oil Creek shale

basal Oil Creek

Joins

Arbuckle

TD: 6055 ft
Drilled: 1964

Serban, Inc
1 Price
SW NW NE 14, T. 4 S., R. 7 W.
Field: Wildcat

TD: 7210 ft
Drilled: 1982

TD: 9797 ft
Drilled: 1978

TD: 13,252 ft
Drilled: 1972
Sycamore 2,754 BOPD and
2,715 MCFGPD (6,893–6,970 ft)
Cumulative Production: 346,881 BO and
2,467,789 MCFG (1972–2016)

TD: 6,192 ft
Drilled: 1991

TD: 3,365 ft
Drilled: 1961

TD: 5,266 ft
Drilled: 1967
Union Valley/Cromwell
219 BOPD (2,569–2,644 ft)

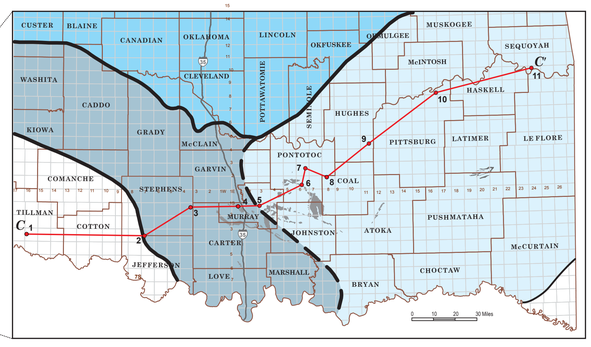
TD: 2,420 ft
Drilled: 1986

TD: 6,000 ft
Drilled: 1990

TD: 9,017 ft
Drilled: 1985
Cromwell 725 MCFGPD (6,795–7,002 ft)
Bromide 300 MCFGPD (8,405–8,600 ft)
Cumulative Production: 774,263 MCFG
(1985–2013)

TD: 7,103 ft
Drilled: 1982
Cromwell 906 MCFGPD (5,550–5,627 ft)
Cumulative Production:
1,619,667 MCFG (1982–2015)

TD: 4,202 ft
Drilled: 1957
Cromwell 3 MCFGPD (2,988–3,040 ft)
Cumulative Production:
442,012 MCFG (1957–1973)





Explanation

- Sandstones of the Simpson Group
- Shale and sandy carbonates of the Simpson Group
- Carbonates of the Arbuckle and Viola Groups

PLATE 12
STRATIGRAPHIC CROSS SECTION C–C′ (SOUTHWEST–NORTHEAST)

By
Raymond Suhm
2016

This 250-mile long cross section extends from the Hollis Basin (Texas Arch) and Anadarko Basin in southern Oklahoma, to the Ozark region (South Ozark Platform) in northeast Oklahoma. Sandstone in the Simpson is scarce on the Texas Arch and western parts of the Anadarko Basin due to absence of western source areas. Between Wells #8 to #11, the name "Jasper" refers to a member of the Everton Formation (an Arkansas equivalent of the Oil Creek Formation); it is often called the "upper Oil Creek sandstone" in Oklahoma.