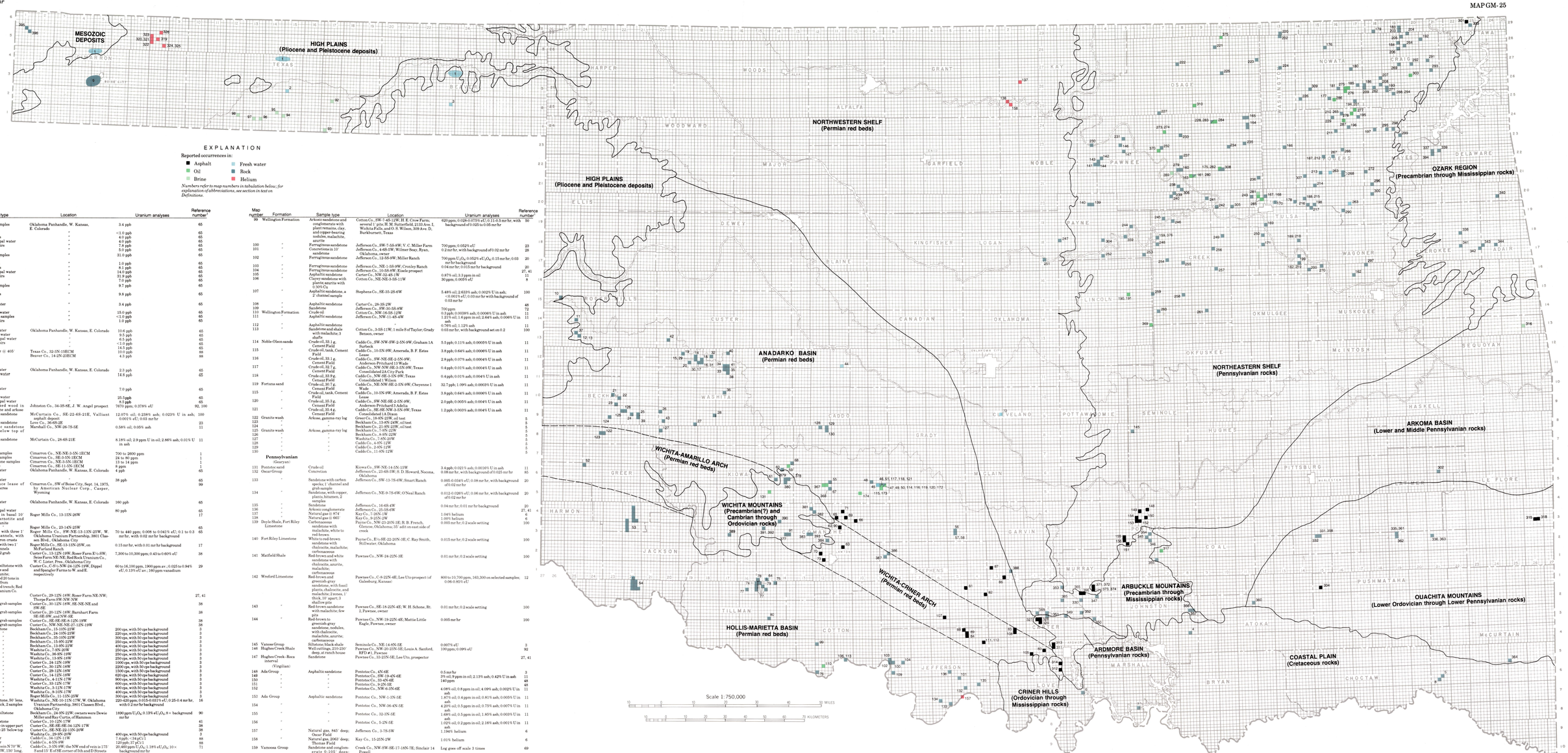
SECTIONIZED TOWNSHIP

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36



EXPLANATION

Reported occurrences in:

- Asphalt
- Oil
- Brine
- Fresh water
- Rock
- Helium

Numbers refer to map numbers in tabulation below; for explanation of abbreviations, see section in text on Definitions.

Map number	Formation	Sample type	Location	Uranium analyses	Reference number[1]
	Holocene				
1	Alluvium related to tuffaceous terrane	21 well samples	Oklahoma Panhandle, W. Kansas, E. Colorado	3.4 ppb	65
1	"	1 spring	"	<1.0 ppb	65
1	"	24 streams	"	4.0 ppb	65
1	"	2 municipal water	"	4.0 ppb	65
1	"	4 reservoirs	"	7.8 ppb	65
1	"	1 lake	"	8.0 ppb	65
1	Alluvium related to shale terrane	11 well samples	"	31.0 ppb	65
1	"	2 springs	"	1.0 ppb	65
1	"	2 streams	"	4.0 ppb	65
1	"	3 municipal water	"	14.5 ppb	65
1	"	14 reservoirs	"	31.0 ppb	65
1	"	1 lake	"	7.0 ppb	65
1	Alluvium related to sandstone terrane	9 well samples	"	9.7 ppb	65
1	"	35 streams	"	9.8 ppb	65
	Pleistocene				
1	Floviatile and eolian sediments	12 well water	"	3.4 ppb	65
1	"	1 spring water	"	15.0 ppb	65
1	"	4 stream samples	"	<1.0 ppb	65
1	"	2 reservoirs	"	1.0 ppb	65
	Pliocene				
1	Ogallala Formation	61 well water	Oklahoma Panhandle, W. Kansas, E. Colorado	10.6 ppb	65
1	"	8 spring water	"	9.5 ppb	65
1	"	21 municipal water	"	6.5 ppb	65
1	"	2 reservoirs	"	<1.0 ppb	65
1	"	2 lakes	"	14.5 ppb	65
1	"	well water @ 405'	Texas Co., 32-3N-15ECM	10.0 ppb	88
3	"	1 spring	Beaver Co., 1-4N-23ECM	4.3 ppb	88
	Cretaceous (Upper)				
1	Shale	4 well water	Oklahoma Panhandle, W. Kansas, E. Colorado	2.3 ppb	65
1	"	4 spring water	"	14.8 ppb	65
	Cretaceous (Lower)				
1	Dakota and Purgatoire Formations	21 well water	"	7.0 ppb	65
1	"	2 spring water	"	25.5 ppb	65
1	"	6 municipal water	"	8.5 ppb	65
4	Antlers Formation	Carbonized wood in sandstone and arkose	Johnston Co., 34-3S-8E, J. W. Angel prospect	7670 ppm; 0.378% eU	92, 100
5	"	Asphaltic sandstone	McCurtain Co., SE-22-6S-21E, Valliant asphalt deposit	12.07% oil; 0.238% ash; 0.023% U in ash; 0.0011% eU; 0.03 mr/hr	100
6	"	Asphaltic sandstone	Love Co., 36-6S-2E	"	23
7	Antlers Formation	Asphaltic sandstone 100' below top of Antlers	Marshall Co., NW-26-7S-5E	0.58% oil; 0.05% ash	11
8	"	Asphaltic sandstone	McCurtain Co., 28-6S-21E	8.18% oil; 2.9 ppm U in oil; 2.86% ash; 0.01% U in ash	11
	Jurassic				
395	Morrison Formation	8 shale samples	Cimarron Co., NE-NE-3-5N-1ECM	700 to 2600 ppm	1
395	"	4 chert samples	Cimarron Co., SE-3-5N-1ECM	24 to 80 ppm	1
395	"	2 sandstone samples	Cimarron Co., NE-3-5N-1ECM	13 to 14 ppm	1
396	"	Sandstone	Cimarron Co., SE-11-5N-1ECM	8 ppm	1
1	Exeter Sandstone	1 well water	Oklahoma Panhandle, W. Kansas, E. Colorado	4 ppb	65
	Triassic				
9	Dockum Group	2 well water	"	38 ppb	65
		subsurface lease of 11,000 acres	Cimarron Co., SW-of Boise City, Sept. 14, 1975, by American Nuclear Corp., Casper, Wyoming		99
	Permian				
1	Doxey and Cloud Chief Formations	5 well water	Oklahoma Panhandle, W. Kansas, E. Colorado	160 ppb	65
10	Doxey Shale	Siltstone in basal 10' with carnotite and tyuyamunite	Roger Mills Co., 13-15N-26W	80 ppb	65
11	"	1 municipal water	Roger Mills Co., 23-14N-25W	"	65
12	"	Basal 10', with three 1' chip channels, with calcite-iron crusts	Roger Mills Co., SW-NE-13-13N-25W, W. Oklahoma Chemical Partnership, 3801 Classen Blvd., Oklahoma City	70 to 440 ppm; 0.008 to 0.041% eU; 0.1 to 0.3 mr/hr, with 0.02 mr/hr background	17
13	Doxey Shale	basal 10', with two 1' chip channels	Roger Mills Co., SE-13-12N-25W, on McFarland Ranch	0.15 mr/hr, with 0.01 mr/hr background	17
14	"	Basal 10', 2 grab samples	Custer Co., 13-12N-19W, Boser Farm E½-SW; Seim Farm NE-NE; Red Rock Uranium Co., W. C. Lister, Pres., Oklahoma City	7,300 to 10,300 ppm; 0.43 to 0.60% eU	38
15	"	Basal 10', siltstone with carnotite and tyuyamunite; recovered 20 tons in lower 4' from bulldozed trench; Red Rock Uranium Co.	Custer Co., C-S½-NW-24-12N-19W, Dippel and Spangler Farms to W. and E. respectively	60 to 16,100 ppm, 1900 ppm av.; 0.025 to 0.94% eU; 0.13% eU av.; 160 ppm vanadium	29
16	"	Basal 10'	Custer Co., 29-12N-18W, Boser Farm NE-NW; Thorpe Farm SW-NW	"	27, 41
17	"	Basal 10', grab samples	Custer Co., 30-12N-18W, SE-NE-NE and SW-SE	"	38
18	"	Basal 10', grab samples	Custer Co., 20-12N-18W, Barnhart Farm SE-SE-SW, and NW-SE	"	38
19	"	Basal 10', grab samples	Custer Co., SE-SE-SE-8-12N-19W	"	38
20	"	Basal 10', grab samples	Custer Co., NW-NE-NE-27-12N-19W	"	38
21	"	Basal siltstone	Beckham Co., 15-10N-23W	200 ppm, with 50-ppm background	3
22	"	"	Beckham Co., 24-10N-23W	220 ppm, with 50-ppm background	3
23	"	"	Beckham Co., 35-10N-23W	300 ppm, with 50-ppm background	3
24	"	"	Beckham Co., 15-8N-23W	250 ppm, with 50-ppm background	3
25	"	"	Beckham Co., 13-8N-22W	400 ppm, with 50-ppm background	3
26	"	"	Washita Co., 26-9N-19W	250 ppm, with 50-ppm background	3
27	"	"	Washita Co., 36-9N-19W	250 ppm, with 50-ppm background	3
28	"	"	Washita Co., 13-9N-18W	1000 ppm, with 50-ppm background	3
29	"	"	Washita Co., 7-9N-20W	250 ppm, with 50-ppm background	3
30	"	"	Washita Co., 36-9N-19W	250 ppm, with 50-ppm background	3
31	"	"	Custer Co., 24-12N-18W	2200 ppm, with 50-ppm background	3
32	"	"	Custer Co., 30-12N-18W	2200 ppm, with 50-ppm background	3
33	"	"	Custer Co., 29-12N-18W	1500 ppm, with 50-ppm background	3
34	"	"	Custer Co., 14-12N-18W	620 ppm, with 50-ppm background	3
35	"	"	Washita Co., 4-11N-17W	800 ppm, with 50-ppm background	3
36	"	"	Custer Co., 33-12N-17W	600 ppm, with 50-ppm background	3
37	"	"	Washita Co., 3-11N-17W	400 ppm, with 50-ppm background	3
38	"	"	Washita Co., 8-10N-17W	400 ppm, with 50-ppm background	3
			Roger Mills Co., 11-13N-23W	300 ppm, with 50-ppm background	3
38		Basal siltstone, 50' lens, 2-24' thick, 2 samples	Washita Co., NE-10-11N-17W, W. Oklahoma Uranium Partnership, 3801 Classen Blvd., Oklahoma City	220-420 ppm; 0.015-0.031% eU; 0.25-0.4 mr/hr, with 0.02 mr/hr background	16
39	"	Basal 10' siltstone	Beckham Co., 24-9N-22W, owners were Dewie Miller and Ray Curtis, of Hammon	1890 ppm U_3O_8; 0.13% eU_3O_8; 8 × background mr/hr	4
40	"	Upper siltstone	Custer Co., 10-12N-17W	"	41
41	"	Pink shale in upper part	Custer Co., SE-SE-SE-34-12N-17W	"	38
42	"	Pink shale 25' below top	Custer Co., SE-NE-22-12N-20W	"	38
43	Doxey Shale	Siltstone	Washita Co., 26-8N-19W	400 ppm, with 50-ppm background	3
44	Rush Springs Sandstone	Well water	Caddo Co., 34-12N-13W	7.4 ppb; −34 gr/U	11
45	"	Well water	Caddo Co., 4-0N-9W	120 ppb; 37 gr/U	11
46	"	Near top, vein N 70° W, dip 80° SW, 150' long, 1-5' wide, 6' deep, with carnotite ore avg. 2.25 LiO, 12.84 tons mined in 1956 and shipped to Grants, N. Mex.	Beckham Co., SW-NE-NE-sec. 9, 6N-22W, Bernard Farm; owned and mined by Lister Family of Chickasha and Oklahoma City	2,000 ppm U_3O_8; 0.13% eU_3O_8; 0.8 mr/hr, with 0.02 mr/hr background	71
47	"	Near top, bulldozed pit and 5 drill holes	Caddo Co., 2-5N-9W, 1.8 mi. E of Cement; D. C. Shapard, W. H. McConnell, Jim Hardy, 2307 Classen Blvd., Oklahoma City, prospected here	0.3 to 1.0 mr/hr with 0.03 mr/hr background	35
48	"	Asphalt nodules in red-brown sandstone	Caddo Co., 31-6N-9W	0.07 mr/hr with background of 0.06 mr/hr	3
49	"	Limonite-stained sandstone	Caddo Co., 2-5N-9W	0.2 to 1.0 mr/hr with 0.03 mr/hr background	3
50	"	Silty sandstone	Caddo Co., 2-5N-9W	0.03 mr/hr with background of 0.006 mr/hr	3
51	"	Calcareous sandstone	Caddo Co., 3-5N-9W	1.1 to 2.0 mr/hr	3
52	Flowerpot Shale	Siltstone in upper part with malachite, grab sample	Greer Co., NW-6-6N-24W; Jester copper prospect	60 ppm; 0.007% eU	84
		Upper part, copper ore in shale	Greer Co., 5, 8, 17-3N-22W and 10, 15, 22, 27, 32, 34, 35-4N-22W, Mangum prospect of Lobaria Co.	80 to 100 ppm	69
54	"	Siltstone	Jackson Co., Creta Mine, 3, 4, 9, 10, 14, 15, 16-1S-22W, 24-1N-22W	70 to 100 ppm	69
55	Duncan Sandstone	Sandstone	Caddo Co., 36-6N-12W	"	23
		Sandstone, gamma-ray logs 100' deep with 6 drill holes	Grady Co., SE-16-2N-5W	"	11
59	Hennessey Group	Asphaltic oil	Grady Co., N½-21-3N-5W	0.02 mr/hr with background of 0.008 mr/hr	3
			Kiowa Co., NE-NE-2-6N-14W, from Buttram Bay Coy 1 Big well	240 ppb in oil; 1.22% ash with 0.002% U in ash	56
60		Barite tufa around old spring, 20' in diameter	Kiowa Co., SW-9-6N-14W, Orville Coker Ranch Mountain View, Oklahoma	10 ppm; 0.007% eU; 3.0 mr/hr with 0.03 mr/hr background	56
		grray-to-chamoul sandy-weathering conglomerate nodules, 3 samples	Kiowa Co., SW-NE-10-6N-14W, on J. B. Sloan Farm	3700 to 8600 ppm; 9.2 to 15.84% ash; 2.36 to 9.38% U in ash	56
62		Asphaltic sandstone, 2 samples	Comanche Co., SW-9-3N-11W same as map no. 63	1.57-2.58% oil; 1.5-3.6 ppm U in oil; 2.96-17.83% ash; 0.002 to 0.003% U in ash	56
63		Asphalt seep	Comanche Co., 10-2N-11W, Adams Hill seep	29 ppb in oil; 0.264% ash; 0.0011% U in ash	56
64		3-10' arkosic sandstone, grab sample, one hole drilled 40' below 1955	Comanche Co., 31-5s-18-1W, on Kinder Ranch, L. C. Mundy, 2109 Yale St., Wichita Falls, Texas	0.01% eU; 0.45 mr/hr with background of 0.04 mr/hr at drill-hole collar	56
65		Asphaltic sandstone	Comanche Co., 29-4N-11W, near Parker	"	48
66		Sandstone	Comanche Co., 32-4N-10W, near Elgin	"	48
68			Caddo Co., 12-5N-12W	"	23
69		Asphaltic sandstone	Kiowa Co., 26-7N-14W	"	23
70			Comanche Co., SW-26-4N-11W	1.98% oil; 1.2 ppb in oil; 0.006% U in oil; also 1.76 ppm in oil	56
70	Hennessey Group	Asphaltic sandstone	Comanche Co., NW-21-2N-12W	1.19%; 6.3 ppm in oil; 3.14% ash; 0.02% U in ash	56
71		Asphaltic sandstone	Comanche Co., SW-15-4N-11W	2.16% oil; 0.6 ppm in oil; 1.62% ash; 0.0004% U in ash	56
72	Garber Sandstone	Well water 635' deep	Cleveland Co., 13-9N-3W	12 ppb; −7 gr/U	88
73	"	Asphaltic sandstone	Comanche Co., NE-34-2N-12W	5.7% oil; 11.1 ppm in oil	56
74	"	Arkosic conglomerate, 2 pits, a 20' drill hole	Tillman Co., SE-SE-1-1S-16W, Burnett Farm; A. H. Messerschmitt, Box 2133, Monroe St., Wichita Falls, Texas, was lessee	0.035 mr/hr with background of 0.005 mr/hr	19
75	"	Arkosic sandstone and conglomerate; small surface pits, 3 samples	Tillman Co., 1-1S-19W, W. Mathis and W. Oberlander, Frederick, Oklahoma, were lessees	600-1100 ppm; 0.04-0.12% eU; 0.3 mr/hr; background 0.01 mr/hr	14
76	"	Arkosic sandstone, 100' long by 30' wide by 10' thick; lower 10' with pyrite, galena, chalcopyrite, azurite, malachite, torbernite, autunite, bayleyite, carnotite, uranophane; 6 samples	Cotton Co., SW-10-5S-12W, Eastman property of Clinton Byars Farm; fulldozed cuts 30' and 50' long; R. B. Nowels, W. H. Hadley, H. F. Scheele, and Claude V. Thompson, Ada, Oklahoma, were operators	90 to 15,300 ppm; 0.014-2.14% eU; 0.35 mr/hr, with 0.01 mr/hr background	13, 15, 23
77		Leases by 4 companies in SW Comanche, NE Tillman, and Kiowa Cos. paying $1-$5 per ton in 1979	Tillman Co., S½-NE-4, SE-4, SW-8, 16-18-1W; SE-12, 13, 16-18-16W; leases by F. H. Murbach of Casper, Wyoming, Feb. 13, 1978; drill holes were 1000-1700' deep	"	30, 31
78		Arkosic sandstone; carnotite	Comanche Co., 31-1N-10W, W. Mathis and W. Oberlander, lessees	120 ppm U_3O_8; 0.055% eU_3O_8; 0.3 mr/hr; 0.025 mr/hr background	20
79		Arkosic sandstone	Comanche Co., NW-6-1S-13W	0.11 mr/hr; 0.025 mr/hr background	20
80		Arkosic sandstone and conglomerate	Tillman Co., 34-2S-19W, W. Mathis and W. Oberlander, lessees	"	27, 41
81		Asphaltic sandstone	Stephens Co., 13-1S-5W	"	48
82		"	Stephens Co., 25-1S-4W	"	48
84		"	Carter Co., 25-4S-1W	"	48
85		"	Jefferson Co., 36-3S-5W	"	48
86		"	Carter Co., 21-3S-2W	12.28% oil; 0.9 ppm in oil; 4.49% ash; 0.002% U in ash	21
87		"	Garvin Co., E½-36-1N-3W	0.79% oil; 1.9 ppm in oil; 2.17% ash; 0.0070% U in ash	21
88		"	Garvin Co., NW-17-1N-3W	1.17% oil; 0.6 ppm in oil; 2.98% ash; 0.0025% U in ash	21
89		Asphaltic sandstone, 3 samples	Jefferson Co., SE-23-2S-5W	4.27-8.72% oil; 0.1-1.3 ppm U in oil; 0.66-2.98% ash; 0.002-0.006% U in ash	21
89		Asphaltic sandstone	Jefferson Co., NW-25-3S-5W	8.07% oil; 1.2 ppm in oil; 0.97% ash; 0.013% U in ash	21
90	Reported as Garber but in Hennessey, map no. 62	Asphaltic sandstone	Comanche Co., SW-9-3N-11W	0.0074 eU_3O_8; 0.04 mr/hr, with background of 0.03 mr/hr.	56
91	Post Oak Conglomerate	Novacekite in sandstone	Comanche Co., SE-SE-23-5N-14W	Trace	57
92	Wichita Group and Brown dolomite below undifferentiated	Brine sample from gas well	Texas Co., 15-2N-17ECM, Phillips F-1 Jones	193 × 10^{-10} g Ra^{226}	82
93			Texas Co., 32-1N-17ECM, Phillips B-1 Atkins	179 × 10^{-10} g Ra^{226}	82
94			Texas Co., 7-1N-14ECM, Phillips 1 Deakin	119 × 10^{-10} g Ra^{226}	82
95			Texas Co., 2-1N-14ECM, Phillips 1 Armour	100 × 10^{-10} g Ra^{226}	82
96			Texas Co., 13-1N-13ECM, Phillips 1 Mundy	183 × 10^{-10} g Ra^{226}	82
97			Texas Co., 15-1N-13ECM, Phillips 1 Borah	112 × 10^{-10} g Ra^{226}	82
98			Texas Co., 11-1N-12ECM	150 × 10^{-10} g Ra^{226}	82
99	Wellington Formation	Arkosic sandstone and conglomerate with plant remains, clay, and copper-bearing nodules, malachite, azurite	Cotton Co., SW-7-4S-12W; H. E. Crow Farm; several 1' pits; H. M. Sutterfield, 2133 Ave. I, Wichita Falls, and O. S. Wilson, 309 Ave. D, Burkburnett, Texas	620 ppm; 0.028-0.075% eU; 0.11-0.3 mr/hr, with background of 0.025 to 0.05 mr/hr	50
100	"	Ferruginous sandstone	Jefferson Co., SW-7-5S-6W, V. C. Miller Farm	700 ppm; 0.052% eU	23
101	"	Concretions in 10' sandstone	Jefferson Co., 4-6S-5W; Wilmer Seay, Ryan, Oklahoma, owner	0.2 mr/hr, with background of 0.02 mr/hr	28
102	"	Ferruginous sandstone	Jefferson Co., 12-5S-5W; Miller Ranch	700 ppm U_3O_8; 0.052% eU_3O_8; 0.15 mr/hr; 0.03 mr/hr background	20
103	"	Ferruginous sandstone	Jefferson Co., NE-1-5S-5W; Crossley Ranch	0.04 mr/hr; 0.015 mr/hr background	20
104	"	Ferruginous sandstone	Jefferson Co., 10-5S-5W; Eisele prospect	"	27, 41
105	"	Asphaltic sandstone	Carter Co., NW-32-4S-1W	0.87% oil; 3.3 ppm in oil	11
106	"	Clayey sandstone with plants; azurite with 0.70% Cu	Cotton Co., NE-NE-3-5S-11W	30 ppm; 0.005% eU	8
107	"	Asphaltic sandstone, a 2' channel sample	Stephens Co., SE-35-2S-6W	5.48% oil; 2.633% ash; 0.002% U in ash; <0.0015% eU; 0.03 mr/hr with background of 0.03 mr/hr	100
108	"	Asphaltic sandstone	Carter Co., 28-3S-2W	"	48
109	"	Sandstone	Jefferson Co., SW-35-5S-4W	700 ppm	72
110	Wellington Formation	Crude oil	Cotton Co., NW-16-5S-12W	0.2 ppb; 0.003% ash; 0.0006% U in ash	11
111	"	Asphaltic sandstone	Jefferson Co., NW-11-4S-4W	1.21% oil; 1.6 ppm in oil; 2.64% ash; 0.0064% U in ash	11
112	"	Asphaltic sandstone	"	0.78% oil; 1.12% ash	11
113	"	Sandstone and shale with malachite; 3 shafts	Cotton Co., 3-5S-11W; 1 mile S of Taylor; Grady Betson, owner	0.03 mr/hr, with background set on 0.2	100
114	Noble Olson sands	Crude oil, 31.1 g. Cement Field	Caddo Co., SW-NW-SW-2-5N-9W; Graham 1A Surback	5.5 ppb; 0.11% ash; 0.0005% U in ash	11
115	"	Crude oil, tank, Cement Field	Caddo Co., 10-5N-9W; Amerada, B. F. Estes Lease	3.8 ppb; 0.64% ash; 0.0006% U in ash	11
116	"	Crude oil, 33.1 g. Cement Field	Caddo Co., SW-NE-SE-2-5N-9W; Anderson-Prichard 13 Wade	2.8 ppb; 0.07% ash; 0.0004% U in ash	11
117	"	Crude oil, 32.7 g. Cement Field	Caddo Co., NW-NW-SE-3-5N-9W; Texas Consolidated 2A City Park	0.4 ppb; 0.01% ash; 0.0004% U in ash	11
118	"	Crude oil, 33.9 g. Cement Field	Caddo Co., NW-SE-3-5N-9W; Texas Consolidated 1 Wilson	0.4 ppb; 0.01% ash; 0.0004% U in ash	11
119	Fortuna sand	Crude oil, 30.7 g. Cement Field	Caddo Co., NE-NW-SE-2-5N-9W; Cheyenne 1 Wade	32.7 ppb; 1.09% ash; 0.0003% U in ash	11
115	"	Crude oil, tank, Cement Field	Caddo Co., 10-5N-9W; Amerada, B. F. Estes Lease	3.8 ppb; 0.64% ash; 0.0006% U in ash	11
120	"	Crude oil, 35.3 g. Cement Field	Caddo Co., SW-NE-SE-2-5N-9W; Anderson-Prichard 5 Adelia	2.0 ppb; 0.005% ash; 0.0004% U in ash	11
121	"	Crude oil, 35.4 g. Cement Field	Caddo Co., SE-SE-NW-3-5N-9W; Texas Consolidated 1A Dixon	1.2 ppb; 0.003% ash; 0.0004% U in ash	11
122	Granite wash	Arkose, gamma-ray log	Greer Co., 18-8N-21W, all test	"	5
123	"	"	Beckham Co., 13-8N-24W, oil test	"	5
124	"	"	Beckham Co., 21-9N-22W, oil test	"	5
125	Granite wash	Arkose, gamma-ray log	Beckham Co., 1-9N-23W	"	5
126	"	"	Beckham Co., 8-9N-22W	"	5
127	"	"	Washita Co., 7-8N-20W	"	5
128	"	"	Caddo Co., 4-5N-13W	"	5
129	"	"	Caddo Co., 2-5N-12W	"	5
130	"	"	Caddo Co., 11-5N-12W	"	5
	Pennsylvanian (Gearyan)				
131	Pontotoc sand	Crude oil	Kiowa Co., SW-NE-14-5N-15W	3.4 ppb; 0.021% ash; 0.0016% U in ash	11
132	Oscar Group	Concretion	Jefferson Co., 23-4S-5W; S. D. Howard, Noona, Oklahoma	0.08 mr/hr, with background of 0.025 mr/hr	85
133	"	Sandstone with carbon specks; 1' channel and grab sample	Jefferson Co., SW-13-7S-6W; Stuart Ranch	0.005-0.034% eU; 0.06 mr/hr, with background of 0.02 mr/hr	20
134	"	Sandstone, with copper, plants, bitumen, 2 samples	Jefferson Co., NE-9-7S-6W; O'Neal Ranch	0.012-0.026% eU; 0.06 mr/hr, with background of 0.02 mr/hr	20
135	"	Sandstone	Jefferson Co., 16-6S-4W	0.04 mr/hr; 0.01 mr/hr background	20
136	"	Arkosic conglomerate	Jefferson Co., 25-5S-6W	"	27, 41
137	"	Natural gas (c) 874	Kay Co., 7-26N-1W	1.04% helium	6
138	"	Natural gas (c) 665	Kay Co., 9-25N-2W	1.00% helium	6
139	Doyle Shale, Fort Riley Limestone	Siltstone in basal 10' sandstone with malachite, white to red-brown	Payne Co., NW-25-20N-3E; R. B. French, Glenrose, Oklahoma; 35' adit on east side of creek	0.005 mr/hr; 0.2 scale setting	100
140	Fort Riley Limestone	White to red-brown sandstone with chalcocite, malachite; torbernite	Payne Co., E½-SE-22-20N-3E; C. Ray Smith, Stillwater, Oklahoma	0.015 mr/hr; 0.2 scale setting	100
141	Matfield Shale	Red-brown and white sandstone with chalcocite, azurite, malachite; torbernite	Pawnee Co., NW-24-22N-3E	0.01 mr/hr; 0.2 scale setting	100
142	Wreford Limestone	Red-brown and greenish-gray sandstone with fossil plants, chalcocite, and malachite; 2 zones, 1' thick, 10' apart; 3 shallow pits	Pawnee Co., C-S-22N-4E; Lee Uto prospect (of Galesburg, Kansas)	800 to 10,700 ppm, 163,300 on selected samples; 0.06-0.85% eU	12
143	"	Red-brown sandstone with malachite; few pits	Pawnee Co., SE-18-22N-4E; W. H. Schone, Rt. 2, Pawnee, owner	0.01 mr/hr; 0.2 scale setting	100
144	"	Red-brown to greenish-gray sandstone, nodules, with chalcocite, malachite, azurite, torbernite	Pawnee Co., NW-19-22N-4E; Mattie Little Eagle, Pawnee, owner	0.005 mr/hr	100
145	Vanoss Group	Siltstone black shale	Seminole Co., NE-14-8N-5E	0.0079 eU	3
146	Hughes Creek Shale	Well cuttings, 210-230' deep, at ranch house	Pawnee Co., NW-20-23N-5E; Louis A. Sanford, RFD #1, Pawnee	100 ppm; 0.099 eU	92
147	Hughes Creek–Roca interval (Virgilian)	Sandstone	Pawnee Co., 33-22N-5E; Lee Uto, prospector	"	27, 41
148	Ada Group	Asphaltic sandstone	Pontotoc Co., 4N-6E	0.5 mr/hr	3
149	"	"	Pontotoc Co., SW-19-4N-6E	3% oil; 9 ppm in oil; 2.13% ash; 0.42% U in ash	11
150	"	"	Pontotoc Co., 33-4N-6E	140 ppm	48
151	"	"	Pontotoc Co., 9-2N-5E	"	48
152	"	"	Pontotoc Co., NW-4-3N-6E	4.08% oil; 0.8 ppm in oil; 4.09% ash; 0.0029% U in ash	11
153	"	"	Pontotoc Co., NW-6-2N-6E	1.87% oil; 4.3 ppm in oil; 0.81% ash; 0.005% U in ash	11
154	"	"	Pontotoc Co., NW-36-4N-5E	4.20% oil; 0.5 ppm in oil; 0.75% ash; 0.0079% U in ash	11
155	"	"	Pontotoc Co., 32-3N-5E	1.68% oil; 0.5 ppm in oil; 1.85% ash; 0.003% U in ash	11
156	"	"	Pontotoc Co., 5-2N-5E	1.02% oil; 0.2 ppm in oil; 2.16% ash; 0.001% U in ash	11
157	"	Natural gas, 845' deep; Oscar Field	Jefferson Co., 3-7S-5W	1.194% helium	6
158	"	Natural gas, 2063' deep; Thomas Field	Kay Co., 15-25N-2W	1.01% helium	6
159	Vamoosa Group	Sandstone and conglomerate, 0-95' deep; gamma-ray log	Creek Co., NW-SW-SE-17-18N-7E; Sinclair 14 Powell	Log goes off scale 3 times	68
160	"	Sandstone	Osage Co., S½-32, SW-33-22N-8E; Osage Indian Reservation; Joe Smith	0.01 mr/hr background	100
161	"	Sandstone	Osage Co., 7-21N-9E	0.6 mr/hr	3
162	"	"	Wagoner Co., 21-16N-17E	0.03% eU	3
163	Barnsdall Formation-Bunzard sand (Missourian)	Crude oil, 36.7 g. separator tanks	Osage Co., NW-SE-12-21-8E; Sinclair 20, 67 tanks	0.4 ppb; 0.023% ash; 0.0017% U in ash	11
164	Oswego Sandstone	Gamma-ray log, 560-580' deep	Creek Co., NW-SW-SE-17-18N-7E; Sinclair 14 Powell	Log goes off scale 3 times	68
164	Warn Formation	Sandstone lens	Osage Co., 24, 25-24N-11E; Osage Indian Reservation	0.7 to 5.0 mr/hr; 0.005-0.01 mr/hr background	86
165	Warn Formation	Sandstone	Osage Co., E½-11, W½-12-24N-11E; Osage Indian Reservation; Bill Irwin, Earl Jackson, lease applicants	0.01-0.02 mr/hr background	100
166	Coffeyville Formation	Black shale, nodules; 1-3.5' above Checkerboard Limestone; 5 samples	Washington Co., SE-36-23N-13E	40 to 900 ppm; 0.007-0.145% eU	90
167	"	7' above Checkerboard Limestone; 7 samples	Tulsa Co., NW-13-20N-12E	30-620 ppm; 0.002-0.1345 eU	90
168	Black shale, phosphatic nodules; 7 samples		Tulsa Co., NW-13-20N-12E	10-230 ppm; 0.002-0.025% eU; 0.01-0.06 mr/hr	62, 79
169	"	6' above Checkerboard Limestone; 4 samples	Tulsa Co., SW-36-19N-12E; Third Avenue Urinium Co., 1950's, mined nodules from Arkansas River banks	40 to 220 ppm; 0.003-0.029% eU	90
170	"	Black shale	Creek Co., E½-11, W½-12-24N-11E; Osage Indian Reservation; Bill Irwin, Earl Jackson, lease applicants	51 ppb; 0.001% ash; 0.51% U in ash	11
171	"	Crude oil, 31.2 g. Cement Field	Caddo Co., NE-NE-NW-10-5N-9W; Anderson-Prichard 1 Eaton	5.4 ppb; 0.09% ash; 0.0006% U in ash	11
172	Marchand sand	Crude oil, 33.7 g. Cement Field	Caddo Co., 1N-10W, 3 samples; Anderson-Prichard well	0.002-2.78% ash; 0.0005-0.0009% U in ash	56
115	"	Crude oil, tank sample, Cement Field	Caddo Co., 10-5N-9W; Amerada, B. F. Estes Lease	3.8 ppb; 0.064% ash; 0.0006% U in ash	11
	(Desmoinesian)				
170	Holdenville Formation	Black shale near Dawson coal, 1 sample	Tulsa Co., NE-28-20N-13E; Old Hickory Mine	0.004-0.013% eU	90
171	"	Black shale and limestone nodules; 2 samples	Tulsa Co., NW-SW-35-18N-12E	20 ppm; <0.001-0.003% eU	79, 90
175	Holdenville Formation, Checkerboard Member	Crude oil, Wildhorse Field	Osage Co., NW-33-22N-10E Sunray 25	0.6 ppb; 0.0013% ash; 0.0045% U in ash	11
176	Lenapah Limestone	Claystone, phosphatic nodules, in middle part	Nowata Co., SW-30-28N-16E	20 ppm; 0.003% eU	62
177	Altamont Limestone, Lake Neosho Shale Member	Black shale, phosphatic nodules; 3 samples	Nowata Co., 17-28N-16E	10-140 ppm; 0.002-0.016% eU; 0.035 mr/hr; background unknown	62
178	Bandera Shale	Black Shale, nodules; 2 samples