

Location:
SW $\frac{1}{4}$ NE $\frac{1}{4}$ -Sec. 24,
T19N - R 29E.
990' S. of N. line
990' W. of E. line

MITCHELL #5

DRILLING LOG

School District #16

Comm. 7-1-43-

Total Depth - 1957'

Comp. 9-13-43

100 ft 10 $\frac{3}{4}$ " O.D. casing - 75 sacks cement
1902 ft 7" " " 695 " "
80 ft 5 $\frac{1}{2}$ " Linc. in bottom

0-17'	Surface
17-45	Sand
45-65	Red Rock
65-130	Red Rock. Sand
	Drilled 9-7/8" hole to 130'. Reamed same, to 10-3/4"
	Set 100', 10-3/4" O. D. Casing. Cemented with
	75 sacks
130-210	Sand & Red Rock
210-297	Sand & Red Rock
297-420	Sand
420-520	Sand
520-568	Sand
568-613	Blue Shale
613-745	Green Shale
745-898	Green Shale, Sand
898-1003	Sandy Shale, blue
1003-1020	Blue Shale & Red Rock
1020-1043	Blue Shale & Lime
1043-1060	Blue shale
1060-1085	Red Rock & Blue Shale
1085-1129	Red Shale
1129-1140	Red Shale & Anhydrite
1140-1191	Blue Shale. Anhy. shells
1191-1220	Anhydrite
1220-1230	Anhy. & Lime
1230-1247	Lime
1247-1270	Anhydrite
1270-1290	Shale
1290-1315	Anhydrite
1315-1325	Brown Lime
1325-1330	Anhy & Shale
1330-1340	Blue Shale & Lime
1340-1365	Brown Shale
1365-1445	Sandy Shale
1445-1464	Red Shale & Sand
1464-1480	Sandy Shale
1480-1507	Hard Sand
1507-1530	Red & Blue Shale
1530-1575	Sandy Shale
1575-1580	Red Shale & Cyp.
1580-1715	Red Shale & Lime shells
1715-1765	Red & Blue Shale
1765-1782	Red Shale. (Gas showing up in mud) Top pf gas 1765' to 1785'
1782-	Run drill Stem Tester. Some Gas 400 lbs; Rock Pressure.
	Purity test 99.5
1782-1810	Red Shale & Lime shells
1810-1835	Anhy. & Shale
1835-1850	Sandy Shale

MITCHELL #5

1850-1879 Blue Shale
 1879-1882 Red Shale
 1882-1885 Shale & Anhy "Marker"
 1885-1895 Anhydrite
 1895-1900 Anhydrite & Lime, Brown
 1900-1905 Anhydrite & Lime Brown & Red Rock
 Set 1902', 7" O. D. Casing. Cemented with 668 Sacks.
 (at Top)

E. D. Ackerman
 1905-1950 RED SHALE. HAS 1910 to 1992.
 1950 - 1957 Sand. & Gravel.
 1957 T.D.

Total Depth 1785
 Packer " 1760
 Top of Gas 1769
 Testing Ticket 53757T - 8-3-43 } DST

{ Gun Perforated 7" casing from :-
 1786' to 1750' = 170 Holes @ 1/2" Dia.
 May 2-1944 }

MITCHELL #5

1850-1879	Blue Shale	
1879-1882	Red Shale	
1882-1885	Shale & Anhy	"Marker"
1885-1895	Anhydrite	
1895-1900	Anhydrite & Lime, Brown	
1900-1905	Anhydrite & Lime Brown & Red Rock	
Set 1902', 7" O. D. Casing. Cemented with 695 Sacks.		

E. D. Ackerman

Spudder

1905 - 1950 - Red shale - Gas 1910 to 1932

1950 - 1957 - Sand & gravel