

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	6	6	Cellar
6	215	209	Sand, Caliche and Lime
215	1600	1385	Red Bed, Sand & Shale.
1600	1680	80	Shale & Sand.
1680	1790	110	Anhydrite, Shale and Sand.
1790	2430	640	Shale, Anhydrite and Salt.
2430	3700	1270	Shale, Anhydrite, Salt & Sand.
3700	4480	780	Dolomite, and Anhydrite.
4480	4890	410	Limestone
4890	5200	310	Dolomite and Anhydrite
5200	5390	190	Dolomite, Limestone, Anhydrite and Salt.
5390	7000	1610	Dolomite, Anhydrite and Salt.
7000	7230	230	Dolomite and Anhydrite
7230	7240	10	Shale & Dolomite
7240	7950	710	Shale, Dolomite and Anhydrite
7950	8290	340	Dolomite and Anhydrite
8290	8510	220	Chert, Dolomite and Anhydrite.
8510	8550	40	Limestone, Chert, Dolomite and Anhydrite
8550	8830	280	Chert & Limestone.
8830	10050	1220	Limestone.
10050	10150	100	Shale, Chert & Limestone.
10150	10405	255	Sand, Shale and Limestone.
10405	10475	70	Chert and Limestone.
10475	10900	425	Shale, Chert & Limestone.
10900	10970	70	Sand, Chert, Shale & Limestone.
10970	11040	70	Dolomite and Chert
	11040		Total Depth
	11034		Plug Back Depth

GEOLOGICAL DATA

Base Red Bed	1705'
Top Salt	1763
Base Salt	2377
Top Yates	2475
Base Yates	2594
Top Artesia Red Sand	3128
Top San Andres	3745
Base San Andres	5138
Top Padlock	5420
Top Clearfork	5898
Top Abo	7273
Top Wolfcamp	8393
Top Pennsylvanian	8665
Top Mississippian	10395
Top Devonian	10947
Elevation	4255 D.F.

SLOPE TESTS

1380	-3/4
1650	-3/4
2190	-3/4
2850	1-
3300	1-1/2
3900	1-1/4
4300	1-
4670	1-
5285	-3/4
5565	-3/4
6041	-1/4
6835	-1/2
6720	-3/4
7470	1-
7990	1-1/2
8300	2-
8630	1-1/4
9150	-3/4
9403	1-
9700	1-
10125	-1/2
10622	1-
10720	1-1/2

DRIILL STEM TESTS

- D.S.T. #1 - From 8250 to 9059 - Tool open 4 hours - Opened tool with good blow, gas up in 8 min. - no fluid to surface. Gas Vol. 705,170 cu ft per day. Recovered 1070' Drlg. Mud, est. 25% gas & oil cut., 360' free oil, 10% Mud cut. Gty oil, 47.5, 1260 Drlg. Mud, est. 50% oil & gas cut.
- D.S.T. #2 - From 9059 to 9086 - Tool open 53 minutes. Opened tool with weak blow for 9 minutes & died. Closed & adn reopened w/no blow. Recovered 30' Drlg. Mud. No show of oil, gas or water.
- D.S.T. #3 - From 9286' to 9350' - 4 hour test - Opened tool with fair blow which decreased to faint blow for 4 hours - no gas to surface. Recovered 90' Drlg. Mud, 45% salt water cut, 6120' salt water.
- D.S.T. #4 - From 9385' to 9431' - 1 hour & 30 minute test. Opened tool with weak blow for 20 min & died. Closed & re-opened tool w/weak blow for 10 min & died. Recovered 150' Drlg. Mud, slightly gas cut. No oil or water -
- D.S.T. #5 - From 9765' to 9840' - 4 hour test - Opened tool w/good blow, gas up in 8 min. no fluid to surface. Gas Vol. 362,240 cu ft. per day, which ~~was~~ increased to 610,790. Recovered 320' Drlg. Mud, cut 40% gas & clear distillate. No water.
- D.S.T. #6 - From 10966' to 10995' - Opened tool w/few bubbles and died - No show of oil, gas or water. Recovered 2010' water blanket & 120' Drlg. Mud.
- D.S.T. #7 - From 10976' to 10995' - 1 hour and 20 min test. Tool open w/few bubbles & died. Recovered 2010' water blanket, 60' Drlg. Mud - No show of oil, gas or water.
- D.S.T. #8 - From 10995' to 11015' - 1 hour & 35 minute test. Tool open w/few bubbles air. No show of oil, gas or water. Recovered 1980' water blanket, 35' Drlg. Mud.
- D.S.T. #9 - From 11015 to 11040' - 6 hour & 42 min. test - Tool open w/good blow, water blanket up in 1 hour and 2 min., gas up in 2 hours & 7 min. Flowed 19.32 bbl fluid in 3 hours. Recovered 6090' bbl oil, 4890' strong black sulphur water. Gty oil, 45.9. Gas Vol. had dropped to zero at end of test.