



## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	6'	6'	Cellar
6	220	214	Sand & Caliche
220	300	80	Red Bed, Sand & Shale
300	1610	1310	Sand & Shale
1610	1690	80	Sand, Anhydrite and Shale
1690	2710	1020	Shale, Anhydrite and Salt
2710	3230	520	Shale, Anhydrite and Sand
3230	3500	270	Shale, and Anhydrite
3500	4020	520	Shale, Anhydrite & Sand & Salt
4020	4200	180	Shale, Anhydrite, Sand & Dolomite
4200	5590	1390	Dolomite and Anhydrite
5590	5650	60	Limestone and Dolomite
5650	5740	90	Dolomite and Anhydrite
5740	6490	750	Dolomite, Sand & Anhydrite
6490	7500	1010	Dolomite and Anhydrite
7500	7730	230	Anhydrite and Dolomite
7730	<del>7800</del>	<del>70</del>	<del>Shale, Dolomite and Anhydrite</del>
7800	8400	600	Shale, Dolomite and Anhydrite
8400	9110	710	Dolomite and Anhydrite
9110	9170	60	Chert, Dolomite and Anhydrite
9170	9230	60	Limestone, Chert, Dolomite and Anhydrite
9230	9380	150	Limestone and Chert
9380	9800	420	Shale, Chert and Limestone
9800	10010	210	Limestone
	10010		Total Depth
	10005		Plug Back Depth

GEOLOGICAL DATA

Base Red Bed	1516'
Top Salt	1613'
Base Salt	2475'
Top Yates	2635'
Base Yates	2788'
Top Artesia Red Sand	3422'
Top San Andres	4162'
Base San Andres	5694'
Top Paddeck	5997'
Top Clearfork	6401'
Top Abo	7760'
Top Wolfcamp	9102'
Top Pennsylvanian	9382'

SLOPE TESTS

600'	-1/4 deg.
1100'	-1/2
1700'	-1/2
2100'	-1/2
2600'	-1/2
2925'	-1/2
3275'	-1/2
4140'	-3/4
4500'	-3/4
4900'	-1/4
5270'	-3/4
5860'	1-
6320'	1-
6675'	1-
7150'	1-
7675'	1-
7700'	1-
8375'	1-3/4
8680'	1-1/2
9100'	2-
9485'	1-3/4
9800'	1-1/2

DRILL STEM TESTS

- D.S.T. #1 - From 9900' to 9930' - Tool open 4 hours and 48 minutes, W/good blow - gas up in 3 minutes, mud up in 36 min., oil up in 38 min. Flowed 64.48 bbl in 4 hours. Qty 40.7. Gas Vol. 861,000 cu ft per day which decreased to 780,500 cu ft per day at end of test. Recovered 6750' free oil, 1410' Salt Water
- D.S.T. #2 - From 9930' to 9965' - Tool open 4 hours & 20 min. W/good blow, gas up in 4 min, mud up in 15 min., oil up in 20 min. Flowed 100.05 bbl fluid in 4 hours. Qty 41.3 Gas Vol 861,000 cu ft per day which decreased to 700,000 cu ft per day. Recovered 1920' free oil, 220' Salt Water & 20' Drlg. Mud.
- D.S.T. #3 - From 9954' to 9980' - Tool open 4 hours W/good blow, gas up in 4 min., mud up in 16 min., oil up in 19 min. Flowed 94.15 bbl fluid in 4 hours. Qty 40.9. Gas Vol. 700,000 cu ft per day for 2 hours and decreased to 596,000 cu ft per day the last two hours. Recovered 3470' free oil, and 196' Salt Water.
- D.S.T. #4 - From 9980' to 10010' - Tool open 4 hours W/good blow, gas up in 7 minutes - no fluid to surface. Gas Vol. 68,500 cu ft per day which decreased to 45,000 cu ft. per day. Recovered 2228' free oil (Qty 41.6), 124' Drlg. Mud cut 25% oil & gas, 180' Drlg. Mud 50% oil & gas cut, 90' Drlg. Mud 75% Salt Water cut, 90' Drlg. Mud 90% Salt Water cut and 90' free Salt Water.