

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0'	6'	6'	Cellar
6'	163'	157'	Caliche & Sand
163'	1240'	1077'	Red Bed
1240'	1565'	325'	Red Bed & Red Rock
1565'	1805'	240'	Red Bed & Anhydrite Streaks
1805'	1994'	189'	Red Bed, Anhydrite & Salt
1994'	2250'	256'	Salt & Anhydrite Streaks
2250'	2570'	320'	Salt, Anhydrite & Red Rock
2570'	2950'	380'	Anhydrite & Salt Streaks
2950'	3382'	432'	Anhydrite & Salt
3382'	3566'	184'	Anhydrite & Gyp
3566'	3664'	98'	Anhydrite, Gyp & Lime
3664'	3741'	77'	Anhydrite & Gyp
3741'	3791'	50'	Anhydrite, Salt & Lime Streaks
3791'	3885'	94'	Lime & Anhydrite
3885'	7000'	3115'	Lime
7000'	7230'	230'	Dolomite & Anhydrite
7230'	7920'	690'	Shale, Dolomite & Anhydrite
7920'	8350'	430'	Dolomite & Anhydrite
8350'	8500'	150'	Chert, Dolomite & Anhydrite
8500'	9955'	1455'	Limestone
9955'	10110'	155'	Shale, Chert & Limestone
10110'	10305'	195'	Sand, Shale, Chert and Limestone
10305'	10855'	550'	Chert, Shale & Limestone
10855'	10970'	115'	Chert & Dolomite
	10970'		Total Depth
<u>SLOPE TESTS</u>			<u>GEOLOGICAL DATA</u>
300'	3/4	deg.	Top Anhydrite 1665
900'	3/4	deg.	Top Salt 1722
1440'	1	deg.	Top Yates 2456
2140'	3/4	deg.	Top Artesia Red Sand 3158
2505'	1	deg.	Top San Andres 3740
3150'	3/4	deg.	Base San Andres 5120
3945'	1/4	deg.	Top Paddock 5417
4400'	1/2	deg.	Top Clearfork 5887
5200'	1/2	deg.	Top Abe 7254
5845'	1	deg.	Top Wolfcamp 8360
6400'	1	deg.	Top Pennsylvanian 8598
7145'	1/2	deg.	Top Mississippian 10302
7565'	1/2	deg.	Top Devonian 10826
7830'	1/2	deg.	
8296'	1/4	deg.	
8690'	1/2	deg.	
9145'	1/4	deg.	
9687'	1/2	deg.	
10050'	3/4	deg.	
10282'	1-3/4	deg.	
10385'	2	deg.	
10500'	1-1/2	deg.	
10615'	3/4	deg.	
10835'	1/4	deg.	
10960'	1	deg.	
<u>DRILL STEM TESTS</u>			
DST #1	From 8950' to 9060', 4 hour test, 3-1/2" drill pipe. Opened tool with good blow of air; gas to surface in 12 minutes; volume 39,250 cu. ft. per day. No fluid to surface. Recovered 750' gas out drilling mud.		
DST #2	From 9060' to 9085', 4 hour test, 3-1/2" drill pipe. Opened tool with medium blow of air which decreased to faint blow. No gas or fluid to surface. Recovered 60' drilling mud and 1180' salt water.		
DST #3	From 9299' to 9421', 4 hour test, 3-1/2" drill pipe. Opened tool with faint blow of air; gas to surface in 25 minutes; volume at end of 1st. hour was 60,240 cu. ft. per day. This decreased to 44,930 cu. ft. per day by end of test. No fluid to surface. Recovered 545' gas out drilling mud (25%); and 200' oil and gas out drilling mud (25%) and 160' of free oil; gty 43.4 corrected. No show of water.		
DST #4	From 9731' to 9831', 4 hour 30 minute test, 3-1/2" drill pipe. Opened tool with good blow of air; gas to surface in 3 minutes; mud in 18 minutes and distillate in 28 minutes. Turned to tanks and flowed 25.41 bbls. oil, no BS&W in 4 hours; gravity 59.7 corrected. Gas volume at end of test was 3,736,000 cu. ft. per day. Recovered 160' distillate, no show of water.		
DST #5	From 10831' to 10970', 5 hour 25 minute test, 3-1/2" drill pipe. Ran 1980' water blanket. Opened tool with strong blow of air. Water blanket up in 49 minutes; mud in 1 hour and oil in 1 hour 19 minutes. Turned to tanks and flowed 181.57 bbls. oil, .18 bbls. BS and no water in 4 hours; gravity 46.3 corrected. Gas volume 34,430 cu. ft. per day. Ried down 1.38 bbls. oil and reversed out 66.20 bbls. oil, no water. Recovered under circulating sub 330' oil and gas out drilling mud.		