

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0'	6'	6'	Cellar
6'	1404'	1398'	Red Bed, Shale & Sand
1404'	1510'	106'	Anhydrite, Red Sand & Shale
1510'	2525'	1015'	Salt, Polyhalite & Anhydrite
2525'	2650'	125'	Anhydrite
2650'	2790'	140'	Red Sand & Anhydrite
2790'	3480'	690'	Dolomite & Anhydrite
3480'	3746'	266'	Dolomite, Anhydrite & Sand
3746'	3909'	163'	Dolomite & Sand
3909'	4100'	191'	Sand & Dolomite
4100'	5350'	1250'	Dolomite & Anhydrite
5350'	5855'	505'	Dolomite & Sand
5855'	6358'	503'	Dolomite
6358'	6950'	592'	Sand & Dolomite
6950'	7658'	708'	Dolomite & Limestone
7658'	7858'	200'	Limestone & Shale
7858'	8705'	847'	Dolomite & Chert
8705'	9102'	307'	Sand & Dolomite
9102'	9292'	280'	Sand & Shale
9292'	9548'	256'	Dolomite & Chert
9548'	9561'	13'	Granite
	9561'		
	9561'		Total Depth
	3960'		Drilled Out Depth
	9561'		Spotted 35 sx cement
	8050'		Spotted 35 sx cement
	4150'		Spotted 55 sx cement
	4047'		Spotted 40 sx cement
	3696'		Spotted 35 sx cement
	3584'		Top cement
	<u>SLOPE TESTS</u>		<u>GEOLOGICAL DATA</u>
200'	1	deg.	Elevation, Derrick Floor
500'	3/4	deg.	Top Anhydrite
1300'	1/2	deg.	Base Salt
1950'	1/4	deg.	Top Yates
2300'	1-1/4	deg.	Top San Andres
2630'	1-3/4	deg.	Base San Andres
3250'	1	deg.	Top Clearfork
3755'	3/4	deg.	Top Tubbs
4240'	1/4	deg.	Top Wichita
5040'	1-1/4	deg.	Base Permian
5460'	1-1/2	deg.	Top Devonian
6173'	1-1/4	deg.	Top Montoya
6830'	3/4	deg.	Top Simpson
7680'	1/2	deg.	Top McKee
7990'	1-1/4	deg.	Total Depth
8250'	3/4	deg.	Drilled Out Depth
8385'	1-1/2	deg.	Top Cement Plugs
8530'	2	deg.	
8720'	1-1/4	deg.	
8950'	2	deg.	
9075'	2-1/4	deg.	
9255'	1-3/4	deg.	
9465'	1-3/4	deg.	
	<u>DRILL STEM TESTS</u>		
DST #1	From 3750' to 4000', 3-1/2" drill pipe. Opened tool but packer failed to hold. Pulled tool.		
DST #2	From 3800' to 4000', 3-1/2" drill pipe. Opened tool but packer failed to hold. Pulled tool.		
DST #3	From 7415' to 7590', 4 hour test, 3-1/2" drill pipe. Opened tool, gas to surface in 2 hours 23 minutes; volume too small to measure. Continued to blow weak throughout test; no fluid to surface. Recovered 210' gas cut drilling mud.		
DST #4	From 7590' to 7750', 4 hour test, 3-1/2" drill pipe. Opened tool with fair to weak blow of air that continued for 2 hours. Recovered 270' drilling mud and 360' black sulphur water and mud.		
DST #5	From 9360' to 9561', 4 hour test, 3-1/2" drill pipe. Opened tool with fair blow of air which decreased to weak blow by end of test. No gas or fluid to surface. Recovered 1800' salt water.		