



## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	2089	2089	Red Beds, surface gravel & shale.
2089	2500	411	Red Beds, Anhydrite.
2500	2916	416	Salt.
2916	4580	1664	Anhydrite, Red Beds, Sand & Shale.
4580	9700	4620	Lime and Dolomite.
9700	10100	900	Chert, Shale & Dolomite.
10100	10450	350	Dolomite, trace Green Shale & Limestone.
10450	10950	500	Limestone, trace green Shale & Chert.
10950	11813	863	Black Shale, trace Dolomite.
11813	12705	892	Dolomite, white, fine to coarse crystalline w/fractures and vugular porosity.

## DEVIATION SURVEY

Depth Taken                      Degrees off Vertical

247	1/4
650	1/2
1617	1/4
2150	3/4
3150	1/4
4027	3/4
4475	1
4710	1
4980	1/2
5390	3/4
5722	1
6053	3/4
6290	3/4
6453	1
6704	3/4
7102	1
7372	3/4
7550	3/4
7840	2
8001	1-1/2
8208	1
8334	1
8614	1-1/4
8874	1-1/4
9040	1/2
9343	1-3/4
9426	1-1/4
9586	2
9880	3
9970	2-1/4
10030	2-3/4
10060	4-1/4
10090	3-3/4
10115	4
10236	3-1/2
10365	3
10465	3
10658	2-1/2
10725	2-3/4
10790	1-3/4
10875	2
10995	1-3/4
11035	2
11065	1-3/4
11135	2
11200	1-3/4
11302	2-3/4
11326	3
11378	3-1/4
11445	4
11558	4
11612	4
11705	4-1/4
11865	4-1/4
12075	3-1/2
12190	6-3/4
12365	5-1/4
12520	4
12560	3-1/2
12630	2-1/2
12695	1

J. M. Denton Well No. 6, Sec, 11, T 15S, R 37E, Lea County, New Mexico

DST #1, testing from 9056' to 9160'. Ran two 8' packers, safety joint, 3½" Bowen jars W/a combination shut and reverse circulation tool. Ran 500' of water blanket with 5/8" bottom choke and 1" top choke. Tool open 3 hrs. Weak blow thru out test, with gas to surface in 90 minutes. Recovered 125' of heavily oil and gas cut mud and water.

DST #2, testing from 9158' to 9273'. Ran double packer, reverse circulating and pump out plug and Bowen jars. Ran 500' water blanket with 5/8" bottom choke and 1" top choke. Tool open 2-1/4 hours with weak blow thru out test. No gas or oil to surface; recovered 70' or 1 barrel of free oil, 500' oil and gas cut mud, flowing pressure 0#, final flowing pressure 225#, shut in pressure 950#, hydrostatic pressure 4250#.

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Test #1, testing 100' to 150'. Ran two 8' sections, 100' to 125' and 125' to 150'. Power just above 100' section shut and reverse circulation tool. Ran 100' to 125' water blanket. 100' to 125' bottom choke and 1" top choke. Tool open 3 hrs. 100' blow out test, when gas is buried in 30 minutes. Recovered 125' of heavily sand and water.

Test #2, testing 150' to 200'. Ran double choke, reverse circulation. 150' to 175' and 175' to 200'. Water blanket with 8" top choke and 1" bottom choke. Tool open 8-10 hours with weak blow out test. 150' to 175' section recovered 10' or 1 inch of free gas. 175' to 200' section recovered 0'. Flowing pressure 0'. 150' to 175' section 1250'. 175' to 200' section 1250'.