



## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	18	18	Collar and substructure.
18	40	22	Surface sand and rock.
40	110	70	Surface sand and caliche.
110	303	193	Red beds. Set 12 $\frac{1}{2}$ " csg. At 196' w/ 200 sacks.
303	333	30	Sand.
333	835	502	Red bed and shells.
835	915	80	Red rock and shells.
915	1100	185	Red bed, red rock and shells.
1100	1178	78	Red rock. Top of anhydrite 1140'.
1178	1240	62	Red rock and shells.
1240	1361	121	Salt and anhydrite.
1361	1480	119	Salt, streaks of anhydrite and red rock.
1480	1500	20	Anhydrite. Tir pocket at 1455'.
1500	1569	69	Salt and streaks of anhydrite.
1569	1595	26	Anhydrite. (hard).
1595	2000	405	Salt and streaks of anhydrite shells.
2000	2200	200	Salt, anhydrite, and potash.
2200	2250	50	Salt and anhydrite.
2250	2295	45	Salt and potash.
2295	2310	15	Potash.
2310	2472	162	Salt. Base of salt 2473'.
2472	2560	88	Anhydrite. Set 8-5/8" csg. At 2555' w/ 500 sacks.
2560			Cement came up to 1250' from Top, outside 8-5/8" casing.
2560	2595	35	Anhydrite and streaks of lime.
2595	2610	15	Sand and broken anhydrite.
2610	2613	3	Anhydrite.
2613	2670	57	Anhydrite and lime shells.
2670	2790	120	Anhydrite, streaks of lime and sand.
2790	2881	81	Anhydrite and streaks of sand. Top of Monument Line 2800'.
2871	2881	10	Anhydrite.
2881	3150	269	Anhydrite and lime.
3150	3282	132	Anhydrite.
3282	3341	59	Lime and anhydrite shells.
3341	3486	145	Anhydrite and lime.
3486	3712	226	Gray lime.
3712	3753	41	Lime.
3753	3881	128	Gray lime. Set 6-5/8" csg. At 3859' w/ 100 sacks.
3881	3912	31	Lime. Top of pay 3877'.
3912	3965	53	Hard gray lime.
3965	3993	28	Gray lime.

11/25/36

3993' Total depth. Gray lime. Set 3983' of 2 $\frac{1}{2}$ " upset tubing. Swabbed approximate 1 barrel fluid per hour. Very little gas. 50% Water.

11/25/36

Acidized with 2000 gallons of Dowell XA acid. Acid went in under maximum of 1050# on casing and 700# on tubing. Minimum of 75# on casing and Vacuum on tubing. 32 barrels of oil used for flush. Acid set 6 hours. Swabbed in and flowed 489 barrels of clean oil on 4-3/4" hour test. Hourly average of 103 barrels. Daily gas rate of 2,680,000. Gas oil ratio of 1175. This test was through 2 $\frac{1}{2}$ " open tubing.