

FORMATION RECORD

<u>From</u>	<u>To</u>	<u>Formation</u>	<u>From</u>	<u>To</u>	<u>Formation</u>
0	13.00'	Distance from Top	2298		Anhydrite, Salt & Lime
		Kelly Drive to Ground	2427		Anhydrite & Lime
	50	Caliche & Sand	2447		Lime
	270	Caliche & Red Rock	2640		Anhydrite & Lime
	470	Red Rock	2671		Lime
	980	Red Bed	2697		Anhydrite & Lime
	1140	Anhydrite & Red Bed	2733		Anhydrite & Shale
	1255	Anhydrite	2765		Lime & Shale
	1895	Anhydrite & Salt	3070		Lime
	1969	Red Bed, Salt & Anhydrite	3184		Lime & Sand
	2224	Anhydrite & Gypsum	5735		Lime

DEVIATION - TOTCO SURVEYS

<u>Depth</u>	<u>Deg. Off</u>	<u>Depth</u>	<u>Deg. Off</u>	<u>Depth</u>	<u>Deg. Off</u>
250	1/4	3580	3	4330	3-1/4
425	3/4	3650	3	4400	3-3/4
730	3/4	3720	3	4430	3-1/4
1000	1/2	3770	3-1/4	4460	3-1/4
1250	1/2	3830	3-1/4	4510	3
1500	1/2	3890	3-1/4	4540	3
1750	1/2	3950	3-1/4	4570	3-1/4
2000	1-3/4	3975	3-1/4	4590	3-1/4
2230	1-1/4	4070	3-1/2	4620	3-1/4
2400	3/4	4100	3-1/2	4650	3-1/4
2630	1/2	4130	3-1/2	4710	2-3/4
2860	1	4185	3-1/2	4770	2-1/2
3120	1	4210	3-3/4	4835	2-1/2
3310	1-1/2	4240	3-3/4	5150	2-1/2
3370	1-3/4	4280	3-3/4	5240	2-1/4
3525	2-3/4	4300	3-1/2	5390	2
				5550	2

DRILL STEM TESTS

No. 1, 11-1-53 - 3 1/2 Hour Johnston DST from 5210-5135' with 3/4" choke at 5098' - Packers at 5135' & 5127' - Bombs at 5209' & 5207' - Tool opened 1:18AM 11-1-53 - No blanket - Gas to surface in 7 min., 24 hour rate 16,900 cu. ft., mud to surface in 28 min., oil in 30 min. - Flowed 93 bbls 40 gr clean oil, no water 3 hours - Recovered 25 bbls oil in 3-1/2" drill pipe and flowed after shut in - HP 2500# - FP 875-1175# - 15 Min. BU 1950#.

No. 2, 11-2-53 - 1-1/2 Hour Johnston DST from 5210-5284' with 3/4" choke at 5184' - Packers at 5202' & 5210' - Bombs at 5282' & 5283' - Tool opened 9:50AM 11-2-53 - Gas to surface in 4 min., 24 hour rate 6,200 cu. ft. - Decreased to light blow at end of test - Recovered 3000' fluid, 100' mud, 100' oil and gas cut mud, cut 50% oil, 2230' clean oil, 570' sulphur water - HP 2500# - FP 175-1150# - 15 Min. BHP 2000#.

No. 3, 11-7-53 - 1-1/2 Hour Johnston DST from 5710-5690' with 3/4" choke at 5660' - Packers at 5690' & 5682' - Bombs at 5710' & 5706' - Tool opened 10:18AM 11-7-53 - Medium blow air to weak at end of test - Recovered 30' gas cut mud, no oil or water - HP 2725# - FP 0# - 15 Min. BHP 0#.

No. 4, 11-9-53 - 1 Hour Johnston DST from 5705-5730' with 3/4" choke at 5675' - Packers at 5697' & 5705' - Bombs at 5728' & 5730' - Tool opened 1:35PM 11-9-53 - Weak blow air, dead in 15 minutes - Dead 45 minutes - Recovered 35' gas cut mud with trace of oil, no water - HP 2750# - FP 0# - 15 Min. BHP 0#.

No. 5, 11-10-53 - 1 Hour Johnston DST from 5705' to 5735' with 3/4" choke at 5682' - Packers at 5700-5705' - Bombs at 5733' & 5735' - Tool opened 11:45AM 11-10-53 - Weak blow air 20 minutes, dead 40 minutes - Recovered 30' slightly gas cut drilling mud with trace oil, no water - HP 2750# - FP 0# - 15 Min. BHP 0#.