

RECEIVED

OCT 15 1953

CONSERVATION COMMISSION
HOBBBS-OFFICE

Bertie Whitmire #5-B1

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 Kelly Drive Bushing to Ground	2054		Rock, Sand & Lime
	75	Caliche	2082		Rock, Sand & Lime
	230	Red Bed & Shells	2105		Black Shale
	955	Red Bed	2178		Black Shale & Lime
	995	Red Bed & Anhydrite	2594		Lime & Shale
	1060	Red Bed & Shells	2970		Lime
	1150	Anhydrite	3085		Sand & Lime
	1190	Anhydrite & Salt	5075		Lime
	1438	Red Bed & Anhydrite	5154		Lime & Sand
	2008	Anhydrite & Salt	5700		Lime
	2028	Red Rock & Anhydrite			

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	3400	2-3/4	4210	1-1/2
450	1/4	3430	2	4270	1-1/4
750	3/4	3460	2-1/4	4350	1-1/4
1000	3/4	3490	2-1/4	4445	2-1/4
1275	1/4	3535	3	4570	2-3/4
1500	3/4	3580	2-1/2	4625	2-1/4
1875	1-1/2	3600	2-3/4	4675	2
2020	1-1/4	3640	2-1/4	4740	2
2085	1-1/4	3700	3	4825	1-1/4
2200	1-1/4	3730	3-1/4	4940	2
2285	1-1/2	3760	3-1/4	4965	2
2380	2	3790	3	5000	2-1/4
2425	2	3830	3	5030	2-1/4
2525	2-1/2	3860	3	5055	2-1/2
2610	1-1/4	3890	3	5085	2-1/4
2690	3/4	3920	3-1/4	5180	2-1/2
2895	1/2	3950	3-1/4	5220	2-1/2
2930	1/4	3980	3	5295	2-1/2
3150	1/4	4030	2	5370	2-1/2
3250	1/2	4065	2	5420	2-1/2
3300	2-1/2	4085	2	5480	2-1/2
3360	2-1/2	4150	2	5565	2-1/2

DRILL STEM TESTS

No. 1, 9-9-53 - 2 Hour Halliburton Drill Stem Test from 5170-5080' with 5/8" choke at 5057' - Packers at 5080-5072' - Bombs at 5169' and 5061' - Tool opened at 11:20 AM 9-8-53 - Good blow immediately, gas to surface in 10 minutes, 24 hour rate 15,000 cu. ft. - No fluid to surface - Recovered 430' fluid, 230' oil and gas cut drilling mud, cut 10% oil, 200' sulphur water - Hydrostatic Pressure 2250# - Flowing Pressure 85-165# - 15 Minute EU 960#.

No. 2, 9-11-53 - 2 Hour Halliburton Drill Stem Test from 5256-5170' with 5/8" choke at 5147' - Packers at 5170' and 5162' - Bombs at 5255' and 5151' - Tool opened 2:AM 9-11-53 - Used no blanket, good blow immediately - Gas to surface in 14 minutes, 24 hour rate 7,400 cu. ft. - No fluid to surface - Recovered 2430' (16bbls) fluid, 270' (2 bbls) oil and gas cut drilling mud cut 30% oil (.60) bbls oil, 2160' (14 bbls) of 37.5 gravity clean oil, no water - Hydrostatic Pressure 2400# - Flowing Pressure 55-355# - 15 Minute EU 1645#.

No. 3, 9-14-53 - 2-1/2 Hour Halliburton Drill Stem Test from 5400-5455' with 5/8" choke at 5376' - Packers at 5392-5400' - Bombs at 5379' and 5454' - Tool opened 1:08AM 9-14-53 - Light blow air thruout test, no gas or fluid to surface - Recovered 3230' sulphur water - Hydrostatic Pressure 2415-2350# - Flowing Pressure 65-1410# - No EU.

No. 4, 9-18-53 - 2-1/2 Hour Halliburton Drill Stem Test from 5659-5700' with 5/8" choke at 5631' - Packers at 5651' and 5659' - Bombs at 5639' and 5699' - Tool opened 10:55AM 9-18-53 - Good to fair blow thruout test - Gas to surface in 4 minutes, 24 hour rate 38,800 cu. ft. - No fluid to surface - Recovered 15 bbls oil, 5 bbls rotary mud - Reversed out 30' of 41 gravity clean oil, no water below two-circulating valve - Hydrostatic Pressure 2945# - Flowing Pressure 430# - 15 Minute U 1305#.

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