

DRILL STEM TESTS

No. 1, 12-10-52 - 1-1/2 Hour Johnston Drill Stem Test 7140-7255' with 5/8" choke at 7117' - Packers at 7132' and 7140' - Bombs at 7251' and 7253' - Tool opened 10:00 p.m. 12-10-52 - Medium blow of air, decreased to bubble at end of test - Recovered 45' drilling mud, cut with trace sulphur water, no oil show - Hydrostatic Pressure 3405# - Flowing Pressure 25# - 15 Minute BHP 25#.

No. 2, 12-13-52 - 2-1/2 Hour Johnston Drill Stem Test 7255-7380' with 5/8" choke at 7231' - Packers at 7247' and 7255' - Bombs at 7376' and 7378' - Tool opened at 10:55 p.m. 12-13-52 - Gas to surface 17 minutes, 10,400 cu.ft. - Recovered 1260' fluid, 450' oil and gas cut mud, cut 10% oil, 810' sulphur water - Hydrostatic Pressure 3475# - Flowing Pressure 175-375# - 15 Minute BHP 2200#.

No. 3, 12-27-52 - 1 Hour Johnston Drill Stem Test 8065-8190' with 5/8" choke at 8041' - Packers 8057' and 8065' - Bombs at 8186' and 8188' - Tool opened 3:40 a.m. 12-27-52 - No fluid to surface - Recovered 30' fluid, 30' drilling mud - Hydrostatic Pressure 3625# - Flowing Pressure 0# - 15 Minute BHP 550#.

No. 4 - 12-29-52 - 1-1/2 Hour Johnston Drill Stem Test 8181-8295' with 5/8" choke at 8157' - Packers at 8173' and 8181' - Bombs at 8293' and 8291' - Tool opened 12:45 p.m. 12-29-52 - No gas or fluid to surface - Recovered 6765' sulphur water - Hydrostatic Pressure 3550# - Flowing Pressure 2625# - 15 Minute BHP 2875#.

No. 5, 1-15-53 - Drill Stem Test - Misrun.

No. 6, 1-15-53 - 1-1/2 Hour Johnston Drill Stem Test 9139-9310' with 5/8" choke at 9155' - Packers at 9131' and 9139' - Bombs at 9306' and 9308' - Tool opened 5:00 p.m. 1-15-53 - Weak blow of air throughout test - Recovered 200' slightly gas cut drilling mud, no show oil or water - Hydrostatic Pressure 4800# - Flowing Pressure 250# - 15 Minute BHP 375#.

No. 7, 1-24-53 - 2 hour 15 Minute Johnston Drill Stem Test 9650-9743' with 5/8" choke at 9626' - Packers at 9650' and 9743' - Bombs at 9739' and 9741' - Tool opened 3:30 p.m. 1-24-53 - Gas to surface 5 minutes, 1,584,700 cu.ft. - Mud 10 minutes, oil 11 minutes, Flowed 204 bbls oil 2 hours bleeding off 24 bbls after tool closed, 228 bbls oil recovered - Hydrostatic Pressure 4800# - Flowing Pressure 3500-3125# - 15 Minute BHP 3475#.

DEVIATION - TOTCO SURVEY

<u>DEPTH</u>	<u>DEG. OFF</u>	<u>DEPTH</u>	<u>DEG. OFF</u>	<u>DEPTH</u>	<u>DEG. OFF</u>	<u>DEPTH</u>	<u>DEG. OFF</u>
283'	1/4	4287'	1-1/2	7255'	2-1/2	8411'	2
404	1/2	4648	1-3/4	7282	2-3/4	8500	1-3/4
558	1/2	4676	1-3/4	7292	2-3/4	8523	1-1/2
700	1/2	4770	1-3/4	7328	2-3/4	8545	1-3/4
1016	1/4	4830	1-3/4	7352	2-3/4	8580	1-3/4
1147	1/4	4988	2-1/4	7380	2-1/2	8612	1-3/4
1271	1/2	5024	2-1/4	7408	2-1/4	8632	1-3/4
1395	1/4	5066	1-1/4	7428	2-3/4	8655	1-3/4
1487	1/2	5082	2	7443	2-1/2	8700	1-3/4
1800	3/4	5197	2-1/4	7453	2-1/2	8733	0
1912	3/4	5382	1-3/4	7476	2-1/4	8780	1-3/4
1999	1	5466	1-1/2	7501	2-1/4	8808	1-1/2
2090	1	5547	1-1/2	7549	2	8852	1-3/4
2230	1-1/2	5627	1-1/4	7572	2	8912	1-1/2
2370	1-1/2	5775	1-1/4	7600	2	8960	2-1/4
2431	1-1/4	5894	1	7632	0	9024	1-3/4
2534	1	5995	1-1/4	7688	2	9043	1-3/4
2677	1	6099	1-1/4	7724	2	9088	2
2940	1-1/4	6111	1-1/4	7761	1-3/4	9134	2
3113	1/2	6175	1	7788	1-3/4	9167	1-3/4
3343	1/4	6234	1-1/4	7838	1-3/4	9201	1-3/4
3471	1/4	6376	3/4	7914	1-3/4	9250	1-3/4
3484	1/2	6456	1	7962	1-3/4	9308	0
3616	1/2	6605	1	8011	1-3/4	9310	1-3/4
3710	1	6703	3/4	8057	1-3/4	9400	2
3741	1	6815	1	8100	1-1/4	9421	2-1/4
3825	7/8	6948	1	8143	1-1/4	9452	2
3894	0	6984	1-1/2	8158	1-1/4	9477	2
4079	1/2	7040	1	8190	1-1/2	9500	0
4119	3/4	7165	2-1/2	8215	0	9522	1-1/2
4169	1	7210	2-3/4	8217	1-1/4	9557	1-1/2
4225	1-1/4	7230	2-3/4	8279	1-1/2	9585	1-1/2
						9630	1/2
						9685	1-1/2