

HARRY LEONARD "A" #18

DRILL STEM TESTS

No. 1, 11-25-52 - 2 Hour Johnston Drill Stem Test 6488-6614' with 5/8" choke at 6467' - Packers at 6480-6488' - Bombs at 6610-6612' - Tool opened 10:15 PM 11-25-52 Gas to surface 50 min. too small to measure - Recovered 270' gas cut drilling mud with light show oil - Hydrostatic pressure 3750# - Flowing Pressure 200# 15 minute BHP 675#.

No. 2, 11-27-52 - 2 Hour Johnston Drill Stem Test 6614-6739' with 5/8" choke at 6593' - Packers at 6606-6614' - Bombs at 6735' and 6737' - Tool opened at 5:45 PM 11-27-52 - Medium blow of air 1 hour and dead 1 hour - Recovered 230' oil and gas cut mud, cut 10% oil, no water - Hydrostatic Pressure 2850# - Flowing Pressure 0# 15 minute BHP 0#.

No. 3, 11-29-52 - 2 Hour Johnston Drill Stem Test 6739-6864' with 5/8" choke at 6715' - Packers at 6731-6739' - Bombs at 6860 and 6862' - Tool opened at 9:40 AM 11-29-52 - Gas to surface 12 minutes, 9,000 cu.ft. - No fluid - Recovered 800' fluid, 200' drilling mud, 200' oil and gas cut mud, cut 10% oil and 400' 37.8 gravity clean oil, no water - Hydrostatic Pressure 3500# - Flowing Pressure 325 - 500# - 15 minute BHP 2625#.

No. 4, 12-1-52 - 1 Hour Johnston Drill Stem Test 6864-6983' with 5/8" choke at 6839' - Packers at 6856' and 6864' - Bombs at 6979' and 6981' - Tool opened 1:45 AM 12-1-52 - Weak blow of air 30 minutes and dead - Recovered 90' drilling mud, no shows - Hydrostatic Pressure 3375# - Flowing Pressure 0# - 15 min BHP 250#.

No. 5, 12-12-52 - 3 Hour Johnston Drill Stem Test 7750-7866' with 5/8" choke at 7725' - Packers 7741-7750' - Bombs at 7862' and 7864' - Tool opened 11:40 PM 12-12-52 - Gas to surface 2 hours 20 minutes, too small to measure - Recovered 270' oil and gas cut mud, cut 10% oil, no water - Hydrostatic Pressure 3800# - Flowing Pressure 0# - 15 minute BHP 325#.

No. 6, 12-15-52 - 3 Hour Johnston Drill Stem Test 7866-7965' with 5/8" choke at 7840' - Packers at 7859-7866' - Bombs at 7936' and 7962' - Tool opened 8:15 PM 12-15-52 - No water blanket - Gas to surface 25 minutes, (24 hour rate 12,800 cuft. No fluid to surface - Recovered 1260' fluid, 900' oil and gas cut mud, cut 75% oil 360' clean oil 39.5 gravity - Hydrostatic Pressure 3825# - Flowing Pressure initial 475# final 125# - 15 minute BHP 2525#.

DEVIATION - TOTCO SURVEYS

DEPTH	DEG.OFF	DEPTH	DEG.OFF
278'	1/2	5624	1-3/4
687	0	5889	3/4
970	0	6020	1/2
1168	1/2	6165	1/2
1360	1	6312	3/4
1550	1-1/2	6400	0
1699	1-1/4	6460	1/2
2068	1-1/4	6545	1/2
2300	1-1/2	6663	1/2
2524	1-1/4	6722	1
2615	2	6840	3/4
3377	1/2	6898	3/4
3544	3/4	6956	1/2
3850	1/2	7042	3/4
4185	1/2	7129	1
4400	1/4	7219	1/4
4560	1/4	7248	1/4
4766	1/2	7367	1/2
4975	1/4	7515	3/4
5268	1	7634	3/4
5536	1/2	7722	1-3/4

