

HARRY LEONARD "A" #17

DRILL STEM TESTS

No. 1, 11-1-52 - 2 Hour Johnston Drill Stem Test 6600-6720' with 5/8" choke at 6575' - Used 2 packers at 6592' and 6600' - Bombs at 6716' and 6718' - Tool opened 4:45 AM 11-1-52 - No water blanket - Gas to surface 15 minutes, too light to test - No fluid to surface - Recovered 280' oil and gas cut mud, cut 30% oil - Hydrostatic Pressure 3150# - Flowing Pressure 375# - 15 minute BHP 1750#.

No. 2, 11-2-52 - 1 Hour Johnston Drill Stem Test 6719-6850' with 5/8" choke at 6692' - Used 2 packers 6710' and 6719' - Bombs at 6846' and 6848' - Tool opened 8:30 PM 11-2-52 - Light blow of air for 10 minutes and dead 50 minutes - Recovered 75' drilling mud, no show - Hydrostatic Pressure 0# - Flowing Pressure 0# 15 minute BHP 0#.

No. 3, 11-4-52 - 1 Hour Johnston Drill Stem Test 6850-6975' with 5/8" choke at 6831' - Used 2 packers 6842' and 6850' - Bombs at 6842' and 6850' - Tool opened at 8:00 AM 11-4-52 - Medium blow of air 30 minutes and dead 30 minutes - Recovered 270' drilling mud with trace of oil, no water - Hydrostatic Pressure 3625# - Flowing Pressure 275# - 15 minute BHP 475#.

No. 4, 11-18-52 - 1 Hour Johnston Drill Stem Test 7930-8029' with 5/8" choke at 7908' - Used 2 packers 7922' and 7930' - Bombs at 8025' and 8027' - Tool opened 9:40 AM 11-18-52 - Medium blow of air 20 minutes, decreased to very weak at end of test - Recovered 30' drilling fluid, no shows - Hydrostatic Pressure 4000# - Flowing Pressure 0# - 15 minute BHP 0#.

No. 5, 11-21-52 - 2 Hour Johnston Drill Stem Test 8059-8184' with 1/2" choke at 8025' - Used 2 packers at 8053' and 8059' - Bombs at 8170' and 8182' - Tool opened 9:30 PM 11-21-52 - Gas to surface 20 minutes, too small to measure - Recovered 270' fluid, 200' gas cut mud, 70' water, 2% salt, no show oil - Hydrostatic Pressure 4225# - Flowing Pressure 1025# - 15 minute BHP 2650#.

DEVIATION - TOTCO SURVEYS

<u>DEPTH</u>	<u>DEG.OFF</u>	<u>DEPTH</u>	<u>DEG.OFF</u>
174'	1/2	4292	1
231	3/4	4500	1
597	3/4	4844	3/4
930	1/2	4944	1/2
1259	1/4	5373	1/4
1811	1-3/4	5517	1/4
1934	1-3/4	6162	3/4
2394	3-1/2	6316	3/4
2638	3	6437	1/2
2669	2	6836	1/2
2745	2	6957	1/2
3248	1	7248	1/2
3633	3/4	7388	1/2
3925	1/2	7596	1
4049	3/4	7770	1-3/4