

DRILL STEM TESTS

No. 1, 1-5-53 - 1 Hour Johnston Drill Stem Test 5600-5725' with 5/8" choke at 5575' - Packers at 5591 and 5600' - Bombs at 5721' and 5723' - Tool opened 7:45 AM 1-5-53 - Gas to surface in 3 min - Gas Volume 1,462,200 cu.ft. - Recovered 210' fluid, 90' oil and gas cut drilling mud, cut 90% oil and 120' clean oil, no water - Hydrostatic Pressure 2725# - Flowing Pressure 625# - 15 Minute BHP 2225#.

No. 2, 1-12-53 - 1 Hour Johnston Drill Stem Test 6424-6550' with 5/8" choke at 6401' - Packers at 6417' and 6424' - Bombs at 6546' and 6548' - Tool opened 12:10 PM 1-12-53 - Very weak blow air 20 minutes and dead 40 minutes - Recovered 90' drilling mud slightly gas cut with oil stain, no water - Hydrostatic Pressure 3000# - Flowing Pressure 0# - 15 Minute BHP 0#.

No. 3, 1-14-53 - 2 Hour Johnston Drill Stem Test 6557-6682' with 5/8" choke at 6533' - Packers at 6548' and 6557' - Bombs at 6678' and 6680' - Tool opened 1:30 AM 1-14-53 - Gas to surface in 55 minutes, too small to measure, decreased to very weak at end of test - Recovered 1875' fluid, 120' gas cut drilling mud with oil stain, 1755' salt water and drilling mud with oil stain - Hydrostatic Pressure 3375# - Flowing Pressure 850-350# - 15 Minute BHP 2300#.

No. 4 - 1-16-53 - 1 Hour Johnston Drill Stem Test 6785-6910' with 5/8" choke at 6765' - Packers at 6777' and 6785' - Bombs at 6777' and 6785' - Tool opened 11:20 PM 1-16-53 - Medium blow air 10 minutes and dead remainder of test - Recovered 30' drilling mud, no show - Hydrostatic Pressure 3470# - Flowing Pressure 0# - 15 Minute BHP 0#.

No. 5, 1-18-53 - 2 Hour Johnston Drill Stem Test 6910-7034' with 5/8" choke at 6885' - Packers at 6902' and 6910' - Bombs at 7030' and 7032' - Tool opened 7:55 PM 1-18-53 - Gas to surface 15 minutes - Gas Volume 38,800 cu.ft. - Decreased to almost dead at end of test - Recovered 800' oil and gas cut mud, cut 1% oil, no water - Hydrostatic Pressure 3375# - Flowing Pressure 375# - 15 Minute BHP 1400#.

No. 6, 1-21-53 - 2 Hour Johnston Drill Stem Test 7034-7150' with 5/8" choke at 7009' - Packers at 7026' and 7034' - Bombs at 7146' and 7148' - Tool opened 11:40 PM 1-20-53 - Gas to surface in 9 minutes - Gas Volume 22,000 cu.ft. 24 hour rate - Recovered 1080' fluid, 90' oil and gas cut drilling mud, cut 75% oil, 990', 44 gravity clean oil, no water - Hydrostatic Pressure 3675# - Flowing Pressure 375# - 15 Minute BHP 2000#.

No. 7, 1-22-53 - 1-1/2 Hour Johnston Drill Stem Test 7150-7228' with 5/8" choke at 7126' - Packers at 7141' and 7150' - Bombs at 7224' and 7226' - Tool opened 6:30 PM 1-22-53 - Weak blow air throughout test - Recovered 90' gas cut drilling mud with stain of oil, no water - Hydrostatic Pressure 3500# - Flowing Pressure 0# - 15 Minute BHP 0#.

No. 8, 1-24-53 - 2 Hour Johnston Drill Stem Test 7227-7325' with 5/8" choke at 7202' - Packers at 7218' and 7227' - Bombs at 7321' and 7323' - Tool opened 7:40 PM 1-24-53 - Gas to surface in 1 hour 15 minutes, too small to measure, light blow air throughout test - Recovered 176' gas cut drilling mud with oil stain, no water. Hydrostatic Pressure 3750# - Flowing Pressure 150# - 15 Minute BHP 275#.

DEVIATION - TOTCO SURVEYS

200'	0 Deg.	3320'	3/4 Deg.	5364'	1 Deg.	6526'	1 Deg.
570	0	3540	1/4	5510	1/8	6588	1
827	0	3690	3/4	5646	0	6740	1-1/2
1118	1/2	3792	1/2	5709	3/4	6799	1
1375	0	3890	1/2	5803	3/4	6840	1-1/4
1629	1/3	4035	1	5930	1/2	6970	1-1/4
1900	1/8	4295	1/2	6023	3/4	6994	1-1/2
2219	1/2	4505	3/4	6195	1/2	7075	1-1/2
2524	3/4	4650	0	6275	3/4	7092	1
2773	1/8	4830	1/4	6357	0	7218	1
2897	0	5030	1/4	6420	1	7249	1
3000	1/2	5144	1/2	6463	1	7280	1

