

Drill Stem Tests

No. 1, 7-27-51, 1 hour Johnston Drill Stem Test 9148'-8107' with 5/8" choke at 9074'. Used two packers at 9107' and 9100'. Bombs at 9143' and 9142'. Tool open at 11:40 A.M. 7-27-51. Recovered 5670' of 36 gravity clean oil. Hydrostatic Pressure 4500#. Flowing Pressure 1675#, 15-Minute BHP 3700#.

No. 2, 7-29-51, 1 hour Johnston Drill Stem Test 9178 - 9146' with 5/8" choke at 9125'. Used 2 packers at 9146' and 9138'. Bombs at 9176' and 9175'. Tool opened at 8:18 A.M. 7-29-51. Recovered 30' of 36 gravity clean oil, 60' oil and gas cut mud, cut 10% oil, 90' sulphur water. Hydrostatic Pressure 4320#, Flowing Pressure 0#, 15-Minute BHP 270#.

No. 3, 10-1-51, 2-1/2 Hour Johnston Drill Stem Test from 11,960' to 11,865' with 5/8" choke at 11,837'. Used 2 packers at 11,865' - 11,857'. Bombs at 11,957 - 11,955'. Tool opened at 6:10 P.M. 10-1-51. 59,700 cu. ft. to surface in 4 minutes, increased 24-hour rate 993,300 cu. ft. to surface in 25 minutes. Oil to surface in 30 minutes. Hydrostatic pressure 5550#, Flowing Pressure 2725#, BHP 3750#.

No. 4, 10-5-51, 3-hour Johnston Drill Stem Test from 11,960' - 12,065' with 5/8" choke at 11,930'. Used 2 packers at 11,960' - 11,952'. Bombs 12,063' - 12,061'. Tool opened 2:40 P.M. 10-5-51. Gas to surface in 20 minutes 88,000 cu. ft. No fluid to surface - well unloaded coming out of hole with 10,700' pipe - all oil and gas. Hydrostatic Pressure 4075#, Flowing Pressure 310#, BHP zero - tool did not close.

No. 5, 10-9-51, 2 hour Johnston Drill Stem Test from 12,065' - 12,190' with 5/8" choke at 12,043'. Used 2 packers at 12,057' - 12,065'. Bombs at 12,185' - 12,188'. Tool opened at 11:00 P.M. Gas to surface in 9 minutes (24 hr. rate) 76,100 cu. ft. No fluid to surface. Gas decreased to 38,800 cu. ft. in 1-1/2 hours and blow by heads each 5 to 7 minutes. Recovered 11,350' fluid, 100' mud, 350' oil and gas cut mud - 20% oil, 10,900' 42.0 gravity clean oil - no water. Hydrostatic Pressure 6000#, Flowing Pressure 700 - 2000#, 15 minute closed in pressure zero. Tool failed to close.

No. 6, 10-11-51, Halliburton Drill Stem Test from 12,288' - 12,190' - Misrun.

No. 7, 10-13-51, 4 hour Johnston Drill Stem Test from 12,180' - 12,315' with 5/8" choke at 12,159'. Used 2 packers at 12,172' - 12,180'. Bombs at 12,311' - 12,314'. Tool open 2:15 A.M. 10-13-51. Gas to surface in 9 minutes (24 hour rate 41,500 cu. ft.) No fluid to surface - Reverse circulated out 11 bbls. clean oil - 46.0 gravity - 3 bbls. oil and gas cut mud - 15% oil, no water. Hydrostatic Pressure 5875#, Flowing Pressure 1175# - 15 minute closed in pressure 4750#.

No. 8, 10-18-51, 1 hour Johnston Drill Stem Test from 12,313' - 12,440' with 5/8" choke at 12,286'. Used 2 packers at 12,365' - 12,313'. Bombs at 12,438' - 12,439'. Tool opened 6:45 A.M. 10-18-51. No gas or fluid to surface - weak blow of air for 30 minutes and died. Recovered 90' drilling mud - no oil, gas or water. Hydrostatic Pressure 6175# - Flowing Pressure 0# - 15 minute Closed In Pressure 100#.

No. 9, 10-21-51, 1 hour Johnston Drill Stem Test from 12,440' to 12,560' with 5/8" choke at 12,306'. Used 2 packers at 12,432' and 12,440'. Bombs at 12,553' and 12,559'. Tool open at 2:30 A.M. 10-21-51 - No water blanket was used - Weak blow of air to surface all during test - no gas - Recovered 90' drilling mud - no show of oil, gas or water. Hydrostatic Pressure 6250# - Flowing Pressure 275# - 15 minute BHP 475#.

No. 10, 10-24-51, 1 hour Johnston Drill Stem Test from 12,560' - 12,685' with 5/8" choke at 12,431'. Used 2 packers at 12,552' and 12,560'. Bombs at 12,682' and 12,684'. Tool open 10:05 A.M. 10-24-51. Gas to surface in 40 minutes (24 hr. rate 1,800 cu. ft.) No fluid. Recovered 480' fluid, oil and gas cut mud - 25% oil - no water. Hydrostatic Pressure 6275# - Flowing Pressure 125# - 15 minute Closed In Pressure 3175#.

No. 11, 10-26-51, Johnston Drill Stem Test from 12,684' - 12,785' Misrun. Tool open 45 minutes and packer failed - gas to surface in 18 minutes 5,500 cu. ft. Recovered 4600' fluid, 3790' drilling mud and 310' oil and gas cut mud, cut 35% oil - Will condition hole and drill 15' to retest.

No. 12, 10-27-51, 1 hour Johnston Drill Stem Test from 12,670' - 12,800' with 5/8" choke at 12,516'. Used 2 packers 12,662' - 12,670'. Bombs at 12,797' and 12,799'. Tool open 6:55 P.M. 10-27-51. Gas to surface in 21 minutes (24 hr rate 5,900 cu. ft) No fluid - 135' mud, 1472' oil and gas cut mud - 15% oil, no water. Hydrostatic Pressure 6225#. Flowing Pressure 725#. 15 minute BHP 4500#.

