

Drill Stem Tests

No. 1 - 6-1-51 - 1½ Hour Johnston Drill Stem Test 9114'-9050' with 5/8" choke at 9019'. Used 2 packers at 9050' & 9042'. Bombs at 9114' and 9110'. Tool open at 2:55 AM 6-1-51. Gas to surface in 14 minutes, 286,100 cu. ft. Too small to measure at end of test. Hydrostatic Pressure 4300#, Flowing Pressure 9754, 15 minute BHP 2650#.

No. 2 6-3-51 - 1 Hour Johnston Drill Stem Test 9103'-9167' with 5/8" choke at 9110'. Used 2 packers at 9103' & 9095'. Bombs at 9166' and 9165'. Tool opened 2:20 AM 6-3-51. Light blow of air to surface, no gas. Recovered 180' fluid, 60' oil and gas cut drill fluid, 10% oil, and 120' sulphur water. Hydrostatic Pressure 4225#, Flowing Pressure 0#, 15 minute BHP 2450#.

No. 3 6-6-51 - 1 Hour Johnston Drill Stem Test 9165'-9236' with 5/8" choke at 9142'. Used 2 packers at 9165' & 9157'. Bombs at 9235' & 9234'. Tool open at 4:40 PM 6-6-51. Recovered 30' Drilling mud with light stain of oil. Very weak blow of air to surface, no gas. Hydrostatic Pressure 4350#, flowing pressure and BHP zero.

No. 4, 6-8-51 - 1 Hour Johnston Drill Stem Test 9224'-9282' with 5/8" choke at 9249'. Used 2 packers at 9224' & 9214'. Bombs at 9281' & 9280'. Tool open 1:33 PM 6-8-51. Recovered 25' fluid, no show of oil. Weak blow of air to surface for 5 minutes. Hydrostatic Pressure 4525#, flowing pressure and BHP 0#.

No. 5 10-9-51 - 2 Hour Halliburton Drill Stem Test 11,865'-11,991' with 5/8" choke at 10,823'. Used 2 packers at 11,845' & 11,853'. Bombs at 11,827' & 11,987'. Tool opened at 4:45 PM 10-9-51. No. gas or fluid to surface. Fair blow of air throughout test. Recovered 100' drilling mud, no water or oil show. Hydrostatic Pressure 5105#, Flowing Pressure 50#, 15 minute Closed in Pressure 95#.

No. 6 - 10-15-51 - 2 Hour Halliburton Drill Stem Test 11,991' -12,105' with 5/8" choke at 11,963'. Used 2 packers at 11,983 & 11,991'. Bombs at 11,967' & 12,103'. Tool open 8:40 AM 10-15-51. Gas to surface in 1 hour 15 minutes; too small to measure. Recovered 630' drilling fluid, 420' oil and gas cut mud, oil cut, 20% & 210' clean oil. Hydrostatic Pressure 5320# Flowing Pressure 230#. 15 minute closed in pressure 300#

No. 7. 10-18-51 - Johnston Drill Stem Test 12,105' -12,197' Misrun.

No. 8 10-19-51 - 2 Hours Halliburton Drill Stem Test 12,093'-12,197' with 5/8" choke at 12,083'. Used 2 packers at 12,085' & 12,093'. Bombs at 12,066' & 12,196'. Tool Open 8:15 PM 10-19-51. Gas to surface in 20 minutes, too small to measure. Recovered 5300' clean oil, no water. Hydrostatic Pressure 5525#, Flowing Pressure 350-1500# - 15 minute closed in Pressure 4850#.

No. 9 10-25-51 - 2 Hour Halliburton Drill Stem Test 12,193'-12,307' with 5/8" choke at 12,162'. Used 2 packers at 12,185' & 12,193'. Bombs at 12,167' and 12,305'. Tool Open 11:00 PM 10-25-51. Gas to surface in 34 minutes (24 hour rate 2,600 cu. ft.) No fluid to surface - Good blow of air throughout test. Recovered 95' drilling mud, no oil or water shows. Hydrostatic Pressure 5400# Flowing Pressure 1200#. 15 minute Closed In Pressure 1200#.

No. 10 - 10-30-51 - 1½ Hour Halliburton Drill Stem Test 12,306'-12,432' with 5/8" choke at 12,275'. Used 2 packers at 12,298' & 12,306' Bombs at 12,280' with 12,431'. Tool open 9:54 AM 10-30-51. Gas to surface in 19 mins. (24 hour rate 1,800 cu. ft.) No. fluid to surface - Recovered 630' fluid 110' mud, 50' oil and gas cut 50% oil & 470' clean oil. Hydrostatic Pressure 5035# Flowing Pressure 325# 15 minute Closed In Pressure 460#.

No. 11 - 11-11-51 - 2 Hour 15 Minute Halliburton Drill Stem Test 12,570'-12,691' with 5/8" choke at 12,538'. Used 2 packers at 12,562' and 12,570' Bombs at 12,545' and 12,690'. Tool open 11:30 PM 11-11-51. Gas to surface in 14 minutes (24 hour rate 300,000 cu. ft.) Oil to surface in 64 minutes. Flowed 24.75 bbls. clean oil 1 hour. 44.33 gravity - Hydrostatic Pressure 5880# - Flowing Pressure 960-2910# - 15 minute BHP 4240#.

No. 12 - 11-17-51 - 1 Hour 30 Minute Halliburton Drill Stem test. 12,690'-12,791' with 5/8" choke at 12,658' - Used 2 packers at 12,682' and 12,690' Bombs at 12,663' and 12,790' - Tool open at 8:16 AM 11-14-51 Gas to surface in 54 minutes (24 hour rate 2200 cu. ft.) No fluid - Recovered 105' gas cut drilling fluid, no water - Hydrostatic Pressure 5925#, Flowing Pressure 290# 15 minute BHP 580#.

No. 13, 11-17-51 - 1 Hour Halliburton Drill Stem Test 12,791'-12,841' with 5/8" choke at 12,767' - Used 2 packers 12,785' and 12,791'. Bombs at 12,769' &