

DRILL STEM TESTS

No. 1 9-27-51 - 2 hour Halliburton Drill Stem Test 9159' - 9210' with 5/8" choke at 9128'. Used 2 packers at 9151' & 9159'. Bombs at 9134' & 9207'. Tool opened 7:22 PM 9-27-51. Gas to surface in 50 minutes 5,100 cu. ft. No oil or mud to surface. Recovered 2070' fluid, 160' oil and gas cut drilling mud, 40% oil and 1440' clean oil - 40 gravity. Hydrostatic 4194#, Flowing Pressure 120-600#, 15 minute BHP 2134#.

No. 2, 9-28-51 - 1 hour Halliburton Drill Stem test 9210' - 9250' with 5/8" choke at 9180'. Used 2 packers at 9202' & 9210'. Bombs at 9134' & 9207'. Tool opened 10:55 PM 9-28-51. No gas or fluid to surface. Recovered 30' slightly gas cut mud, no oil. Hydrostatic Pressure 4311#, Flowing Pressure 28#, 15 minute BHP 50#.

No. 3, 9-30-51 - 1 hour Halliburton Drill Stem Test 9249' - 9295' with 5/8" choke at 9213'. Used 2 packers at 9241' & 9249'. Bombs at 9219' & 9293'. Tool open at 12:50 PM 9-30-51. Weak blow of air for 5 minutes and died. No gas to surface. Recovered 10' drilling mud, no oil. Hydrostatic 4382#, Flowing Pressure 10#, BHP zero.

No. 4, 12-10-51 - 1 hour 20 minute Halliburton Drill Stem Test 11,740' - 11,850' with 5/8" choke at 11,714' - Used 2 packers at 11,732' & 11,740' - Bombs at 11,830' and 11,848' - Tool open at 11:20 AM 12-10-51 - Gas to surface 5 minutes, oil 18 minutes - Flowed to pits 2 minutes and flowed 90 bbls clean oil 44.0 gravity 1 hour no water - Hydrostatic Pressure 5545# - Flowing Pressure 1910-3075# - 15 minute BHP 4645#.

No. 5, 12-17-51 - 1 hour 30 minute Halliburton drill stem test 11,850' - 11,960' with 5/8" choke at 11,825' - Used 2 packers at 11,842' and 11,850' - Bombs at 11,941' and 11,958' - Tool open at 6:35 AM 12-17-51 No water blanket - Gas to surface 10 minutes - 24 hour Gas Volume 267,600 cu ft - Reverse circulated out - Recovered 24 bbls 45.0 gravity oil and 10 bbls oil and gas cut drilling mud, cut 25% oil - Hydrostatic Pressure 550# - Flowing Pressure 585 to 1850# - 15 minute BHP 4400#.

No. 6, 12-21-51 - 1 Hour Halliburton Drill Stem Test 11,960' - 12,090' with 5/8" choke at 11,925'. Used 2 packers 11,960' and 11,952' - Bombs at 12,090' & 11,928' Tool open 11:00 PM 12-21-51 - Gas to surface in 15 minutes - Gas 171,000 cu. ft. decreased to 43,000 cu ft at end of 24 hour test - Well would not flow - Recovered 10 bbls oil and gas cut mud, 30% oil and 19 bbls 46.0 gravity clean oil - Hydrostatic Pressure 5490# - Flowing Pressure 230 to 580# 15 minute BHP 2460#.

No. 7, 12-26-51 - 1 Hour 23 minutes Halliburton Drill Stem Test 12,090' - 12,190' with 5/8" choke at 12,056' - Used 2 packers at 12,090' and 12,082' - Bombs at 12,187' and 12,060' - Tool open 9:17 AM 12-26-51 - Gas to surface 6 minutes - Gas volume 1,156,000 cu ft - Mud to surface 16 minutes, oil 24 minutes - Flowed 54 bbls of 46.6 gravity clean oil.

