

DRILL STEM TEST

No. 1, 4-11-52 - 1 Hour Halliburton Drill Stem Test 5324-5432' with 5/8" choke at 5293' - Used 2 packers at 5316' and 5324' - Bombs at 5298' and 5430' - tool opened at 8:40 PM 4-11-52 - No gas to surface - Light blow of air for duration of test - Recovered 300' salt water with sulphur odor, no oil show - Hydrostatic Pressure 2300# - Flowing Pressure 400# - 15 minute BHP 1750#.

No. 2, 5-14-52 - 1 Hour Halliburton Drill Stem Test 9435-9525' with 5/8" choke at 9400' - Usen 2 packers at 9427' and 9435' - Bombs at 9410' and 9523' - Tool opened 8:00 AM 5-14-52 - Gas to surface 30 minutes, 5,100 cu.ft. - No fluid - Recovered 1400' fluid, 800' oil and gas cut mud - 20% oil - 600' of 43.0 gravity clean oil, no water - Hydrostatic Pressure 4615# - Flowing Pressure 530-1420# 15 minute BHP 3030#.

No. 3, 5-16-52 - 1 Hour Halliburton Drill Stem Test 9524-9615' with 5/8" choke at 9491' - Used 2 packers at 9515' and 9524' - Bombs at 9493' and 9612' - Tool opened 5:30 AM 5-16-52 - No gas to surface, medium blow of air throughout test Recovered 2200' fluid, 1400' mud, 800' oil and gas cut mud - 10% oil - No pressures recorded.

No. 4, 5-17-52 - 1 Hour Halliburton Drill Stem Test 9521-9615' with 5/8" choke at 9488' - Used 2 packers at 9512' and 9521' - Bombs at 9410' and 9612' - Tool opened 7:50 PM 5-17-52 No gas to surface - Medium blow of air throughout test Recovered 4500' fluid, 800' drilling mud 3700' oil and gas cut mud - 1% oil - Hydrostatic Pressure 4500# - Flowing Pressure 840-1490# - 15 minute BHP 3250#.

No. 5, 5-19-52 - Johnston Drill Stem Test - Misrun

No. 6, 5-21-52 - 2 Hour Johnston Drill Stem Test 9534-9615' with 5/8" choke at 9505' - Used 2 packers at 9527' and 9534' - Bombs at 9609' and 9612' - Tool opened 12:40 AM 5-21-52 - Gas to surface 21 minutes (24 hour rate 10,400 cuft.) No fluid - Recovered 760' fluid - Reversed out 400' or 5 1/2 bbls oil and gas cut mud - 5% oil - Recovered 270' oil and gas cut mud - Cut 55% oil and 90' of 43.0 gravity clean oil, no water - Hydrostatic Pressure 4625# - Flowing Pressure 100 to 375# - 15 minute BHP 3025#.

No. 7, 5-22-52 - Johnston Drill Stem Test 9615-9670' - Misrun.

No. 8, 5-23-52 - Johnston Drill Stem Test - Misrun

No. 9, 5-24-52 - 2 Hour 10 Minute Johnston Drill Stem Test 9588-9670' with 5/8" choke at 9555' - Used 2 packers at 9580' and 9588' - Bombs at 9667' and 9668' - Tool opened at 3:20 AM 5-24-52 - Gas to surface 8 minutes (24 hour rate 227,800 cu.ft.) throughout test - Mud 43 minutes, oil and water 55 minutes then flowed 50 bbls fluid 1 hour 15 minutes 85% BS and salt water - 15% oil - Hydrostatic Pressure 4750# - Flowing Pressure 3125# - 15 minute BHP 3325#.

No. 10, 7-19-52 - 4 Hour Halliburton Drill Stem Test ~~11,936-11,975~~ 11,936-11,975' with 5/8" choke at 11,905' - Used 2 packers at 11,928' and 11936' - Bombs at 11,910' and 11,974' - Tool opened 2:00 PM 7-19-52 - Gas to surface 45 minutes (24 hour rate 245,200 cu.ft.) Mud in 1 hour 20 minutes - Oil 2 hours - Flowed 132 bbls 48.0 gravity clean oil, no water 2 hours - Hydrostatic Pressure 6040# Flowing Pressure 1550-4340# - 15 minute BHP 4940#.

RECEIVED

FEB 03 1992

U.S. DEPT. OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION