B. V. Culp #4

DRILL STEM TESTS

No. 1 - 7-18-52 - 1 Hour Johnston Drill Stem Test 5215-5265' with 5/8" choke at 5190' - Used 2 packers at 5209' and 5215' - Bombs at 5262' and 5264' - Tool opened 2:00 PM 7-18-52 - No gas, very weak blow air for 25 minutes and dead remainder of test - Recovered 60' drilling mud, no shows - Hydrostatic Pressure 2425# - Flowing Pressure 0# - 15 minute BHP 1450#.

No. 2 - 7-22-52 - 2 Hour Johnston Drill Stem Test 5650-5685' with 3/4" choke at 5625' - Used 2 packers at 5644' and 5650' - Bombs at 5682' and 5684' - Tool opened 1:45 PM 7-22-52 - Gas to surface 25 minutes, too small to measure - Recovered 480' fluid, 90' drilling mud, 210' oil and gas cut mud - Cut 50% oil, 180' clean oil, no water - Hydrostatic Pressure 2725# - Flowing Pressure 125# - 15 minute BHP 1700#.

No. 3 - 7-23-52 - 1½ Hour Johnston Drill Stem Test 5685-5715' with 3/4" choke at 5660' - Used 2 packers at 5679' and 5685' - Bombs at 5712' and 5714' - Tool opened 8:50 AM 7-23-52 - No gas - Small blow air throughout test - Recovered 90' drilling mud with trace of oil, no water - Hysrostatic Pressure 2725# - Flowing Pressure 0# - 15 minute BHP 125#.

No. 4 - 7-24-52 - 2½ Hour Johnston Drill Stem Test 5715-5735' with 3/4" choke at 5690' - Used 2 packers at 5709' and 5715' - Bombs at 5732' and 5734' - Tool opened 3:30 AM 7-24-52 - Gas to surface 6 minutes 59,000 cu.ft. 24 hour rate - Reversed out 9 bbls oil, 15 bbls oil and gas cut mud, cut 10% oil, 210' salt water below circulating sub - Hydrostatic Pressure 2750# - Flowing Pressure 375# 15 minute BHP 1750#.