## FRDERAL GENERAL AMERICAN NO. 1

## DRILL STEM TESTS (CONTINUED)

No. 15, 9-20-52 - 1 Hour 45 Minute Halliburton Drill Stem Test 9160-9206' with 5/8" choke at 9130' - Used 2 packers at 9152' and 9160' - Bombs at 9135' and 9205' - Tool opened 5:30PM 9-20-52 - Gas to surface 7 minutes (24 hour rate 382,600 cu.ft.) no fluid - Recovered 200' fluid, 50' oil and gas cut mud, cut 25% oil, 150' 41 gravity clean oil, no water - Hydrostatic Pressure 4610# - Flowing Pressure 250-370# - 15 Minute BHP 3450#.

No. 16, 9-21-52 - 1 Hour Halliburton Drill Stem Test 9204-9238! with 5/8" choke at 9172! - Used 2 packers 9196! and 9204! - Bombs at 9177! and 9237! - Tool opened 6:45 PM 9-21-52 - No water blanket - No gas to surface, light blow of air 20 minutes and dead 40 minutes - Recovered 75! drilling mud with trace sulphur water, no oil -Hydrostatic Pressure 4750# - Flowing Pressure 55# - 15 Minute BHP 345#.

No. 17, 9-22-52 - 2 Hour Halliburton Drill Stem Test 9255-9310' with 5/8" choke at 9223' - Used 2 packers at 9246' and 9255' - Bombs at 9227' and 9309' - Tool opened at 10:PM 9-22-52 - No gas to surface, good blow of air throughout test - Recovered 8300' sulphur water, no oil show - Hydrostatic Pressure 4690# - Flowing Pressure 575-3600# - 15 Minute BHP 3600#.

No. 18, 10-6-52 - 2 Hour Halliburton Drill Stem Test 9970-9920' with 5/8" choke at 9889' - Used 2 packers at 9920' and 9912' - Bombs at 9967' and 9891' - Tool opened at 1:05 AM 10-6-52 - No water blanket, gas to surface 38 minutes (24 hour rate 1,800 cu.ft.) - No fluid to surface - Recovered 190' gas cut mud - Hydrostatic Pressure 5275# - Flowing Pressure initial 50#, Final 50#. 15 minute BHP 1130#.

No. 19, 10-24-52 - 1 Hour Halliburton Drill Stem Test 10,768-10,825' with 5/8" choke at 10,738' - Used 2 packers at 10,759' and 10,768' - Bombs at 10,747' and 10,823' -Tool opened 12:30 AM 10-24-52 - No water blanket - Very light blow of air 30 minutes, dead 30 minutes - Recovered 90' drilling mud, no show oil, gas or water - Hydrostatic Fressure 5670# - Flowing Pressure 40# - 15 Minute BHP 145#.

No. 20, 11-9-52 - Misrun.

No. 21, 11-10-52 - 2 Hour Halliburton Drill Stem Test 11,173-11,271' with 5/8" choke at 11,141' - Used 2 packers at 11,165' and 11,173' - Bombs at 11,146' and 11,270' -Tool opened 4:15 AM 11-10-52 - No water blanket - Gas to surface 6 minutes (24 hour rate 862,200 cu.ft.) - No fluid - Recovered 240' fluid, and 150' 55 gravity distillate and 90' drilling mud, cut 20% distillate - Hydrostatic Pressure 5935# - Flowing Pressure 435-725# - 15 Minute BHP 2060#.

No. 22, 11-15-52 - Misrun.

No. 23, 11-17-52 - 2 Hour Halliburton Drill Stem Test from 11,271-11,334' with 5/8" choke at 11,238' - Packers at 11,263' and 11,271' - Bombs at 11,244' and 11,333' -Tool opened 3:05AM 11-17-52 - No water blanket - Gas to surface in 12 minutes (24 hour rate 56,100 cu.ft.) - No fluid to surface - Recovered 180' heavily gas cut mud, no oil, no water - Hydrostatic Pressure 6220# - Flowing Pressure 370-620# - 15 Minute BHr no good.

No. 24, 11-20-52 - 2 Hour Halliburton Drill Stem Test 11,334-11,400' with 5/8" choke at 11,304' - Packer at 11,326' and 11,334' - Bombs at 11,309' and 11,399' - Tool opened 9:50AM 11-20-52 - No water blanket - Gas to surface in 13 minutes, 61,900 cu.ft. throughout test - Recovered 350' highly gas cut mud, no show oil or water -Hydrostatic Pressure 6030# - Flowing Pressure 145# - 15 Minute BHP 860<sup>#</sup>.

No. 25, 11-23-52 - Misrun.

No. 26, 11-25-52 - 1 Hour Halliburton Drill Stem Test from 11,400-11,466' with 5/8" choke at 11,367' - Packers at 11,392' and 11,400' - Bombs at 11,372' and 11,465' -Tool opened 4:37AM 11-25-52 - No water blanket - Weak blow air thruout test - Recovered 90' drilling mud, no show oil, gas or water.- Hydrostatic Pressure 6145# - Flowing Pressure 65# - 15 Minute BHP 90;".

No. 27, 12-19-52 - 1 Hour Halliburton Drill Stem Test from 12,135-12,055' with 5/8" choke at 12,035' - Packers at 12,055' and 12,047' - Bombs at 12, 134' and 12,040' -Tool opened 10:45 AM 12-19-52 - Used no blanket - No gas or fluid to surface - Very weak blow of air thruout test - Recovered 120' drilling mud, no water - Hydrostatic Pressure 6260# - Flowing Pressure 95# - 15 Minute BHP 4025#.

No. 28, 12-20-52 - 2 Hour Halliburton Drill Stem Test from 12,190-12,135' with 5/8" choke at 12,103' - Packers at 12,127' and 12,135' - Bombs at 12,108' and 12,188' -Tool opened 11:50PM 12-20-52 - Used no blanket - No gas or fluid to surface good to fair blow of air thruout test - Recovered 4940' of salt water - Hydrostatic Pressure 6495# - Flowing Pressure 1290# - Flowing 3205# - 15 Minute BHP 3895#. •