

Attachment - C-105

Gulf Oil Corporation - G. C. Matthews Well No. 9-0, 6-20S-37E.

DEVIATIONS - TOTCO SURVEYS

3/4 - 200'	1-1/4 - 2630	1 - 4100
0 - 270	1 - 2750	1-1/2 - 4228
1/4 - 552	1-1/2 - 2800	1-1/4 - 4338
1/4 - 800	3/4 - 2910	1-1/2 - 4500
1/4 - 1175	1/2 - 3365	2 - 4650
3/4 - 1400	1/2 - 3405	2 - 4747
1 - 1670	1/4 - 3495	1-3/4 - 4860
1-3/4 - 1915	1/4 - 3615	1-3/4 - 4980
2 - 2110	3/4 - 3800	1-3/4 - 5100
1-1/2 - 2260	3/4 - 3890	1-3/4 - 5195
1-1/2 - 2455	1-1/2 - 3985	1-3/4 - 5248
1 - 2515		

DRILL STEM TESTS

No. 1, 6-4-54 - 2 hour Johnston drill stem test from 2286-2700' - Packer at 2286' - Tool opened 11:25AM - Well dead thruout test - No pressure charts run.

No. 2, 6-7-54 - 1 hour Johnston drill stem test from 2700-2816' thru 1" surface choke, 3/4" choke at 2678' - Packer at 2700' - Jars at 2692' - Tool opened 2:PM 6-7-54 - Weak blow air 1 hour - No gas or fluid - Recovered 420' slightly gas cut black magic mud, no oil or water - Hydrostatic Pressure 1750# - Flowing Pressure 100-300# - 15 minute BHP 350#.

No. 3, 6-10-54 - 1 hour Johnston drill stem test from 2817-2924' - 1" surface choke, 3/4" choke at 2791' - Packers at 2811' and 2817' - Jars at 2806' - Tool open 11:45AM - Weak blow air thruout test - Recovered 260' oil base mud, no show oil, gas or water - Hydrostatic Pressure 1925# - Flowing Pressure 150# - 15 BHP 150#.

No. 4, 6-13-54 - 1-1/2 hour Johnston drill stem test from 2924-3040' - 1" surface choke and 5/8" choke at 2904' - Packer at 2924' - Jars at 2919' - Tool open 2:55PM - Gas to surface in 4 minutes - Mud in 5 minutes, no oil - Gas Volume 1,820,000 cu ft thruout test - Recovered 30' gas cut mud, no oil - Hydrostatic Pressure 2075# - Flowing Pressure 700# - 15 minute BHP failed.

No. 5, 6-16-54 - 1 hour Johnston drill stem test from 3156-3038' - 1" surface choke, 3/4" choke at 3016' - Packers at 3038' and 3032' - Jars at 3025' - Tool opened 11:25AM - Gas to surface 3 minutes, 24 hour rate 4,050,000 cu ft - Mud to surface 5-1/2 minutes - Gas clean in 15 minutes, no oil or water - Recovered 40' gas cut drilling fluid, no oil or water - Hydrostatic Pressure 2100# - Flowing Pressure 1100# - 15 minute BHP 1200#.

No. 6, 6-19-54 - 1 hour Johnston drill stem test from 3155-3272' - Packers at 3149' and 3155' - Jars at 3140' - Tool open 4:10AM - Gas to surface in 2 minutes 24 hour rate 4,500,000 cu ft - Mud in 3 minutes, no oil - Recovered 60' gas cut drilling fluid, no oil or water - Hydrostatic Pressure 2175# - Flowing Pressure 1175# - 15 minute BHP 1225#.