

Gulf Oil Corporation - Lea "ED" State (NCT-B) No. 1, Unit F, Section 10-19S-34E, Lea County, New Mexico

Drill Stem Tests

No. 1, 10,207-10,300' Bone Springs: Opened 60 minutes with very weak blow of air 5 minutes and dead remainder of test. Recovered 129' drilling fluid. IHP 5340, 30 min preflow IP 46, FP 46; 60 min CIP 1848, 60 min flow IP 70, FP 93; 180 min CIP 417, FHP 5340. BHT 140°.

No. 2, 12,590-12,686' Strawn: Opened tool, gas to surface in 1 minute, oil $1\frac{1}{2}$ hours. I&FP 6786#. 30 minute preflow 1002-1280#, 60 min ICIP 5117#. 120 minute flow 1613-1002#. First 45 minutes of flow surface choke plugged, actual flow period 1 hour 45 minutes. 180 min CIP 4307. Average GV 930 MCFPD. Flowed 22 barrels 53.5 (corrected) oil plus 2 barrels mud, $\frac{1}{2}$ " choke. Reversed out approximately 190' oil & gas cut drilling mud, 2000' gas cut drilling mud, 2000' gas & mud cut oil and 100' water.

No. 3, 13,190-13,263' Morrow: Tool opened 6:34 a.m., 5-14-76. No gas to surface in 30 minutes. Opened tool with medium blow. CI with strong blow with choke closed. 2nd flow strong blow. Recovered 540' salt water, no shows. I&FP 7097-7125#. 30 min preflow 167-223. 60 min CIP 5729. 60 minute 2nd flow 279-335; 90 minute CIP 6092.

No. 4, 13,400-13,520' Morrow: Opened tool 30 minute preflow with weak blow. CI 60 minutes. Opened for 1 hour flow with fair blow. I & FHP 7203-7231. 30 minute preflow 223-251. 60 minute CI 446. 60 minute flow 279-306. 120 minute CIP 418. Recovered 760' drilling fluid.

No. 5, 13,563-13,689' Morrow: Opened tool with good blow, gradually decreasing. Gas to surface in 12 minutes with 20# flowing pressure on $3/4$ " choke. Pressure decreased to 0# on $3/4$ " choke at end of 30 minute preflow. CI 1 hour. Opened one hour with weak blow to very weak blow. CI 2 hours. Recovered 1302' gas cut mud. Reversed out 10,105' salt water. IHP 7377. 30 min flow 122-2968#, 60 min CI 6584#. 60 min flow 2884-5327#. 120 min CI 6584#. FHP 7377#.

No. 6, misrun.