

Drill Stem Test No. 5: 10,998-11,150' (Lower Wolfcamp)

Opened tool at 1:10 a.m. 5-16-72 for 10-minute preflow; had blow immediately, went from good to very strong blow; had 80# surface pressure; gas to surface in 20 minutes. Shut in 1 hour for initial shut in period. Opened one hour on final flow; had very strong blow throughout test. Recovered 180' gas-cut drilling mud, 5' 50° Gravity condensate. Pressures: 10-minute IFP 0-265#; 1-hour ISIP 265-6081#; 1-hour FFP 265-265#; 2-hour FSIP 265-5425#; IH 6602#; FH 6341#. Bottom Hole Sampler contained 2-1/2 cu. ft. gas; 100 cc's condensate; 400# pressure. Bottom Hole Temperature 190°F. Rate of gas per day 175,000 CF.

Drill Stem Test No. 6: 11,532-11,590' (Wolfcamp)

3/4" BHC, 1/2" THC. Opened tool at 12:57 p.m. 5-21-72 for 10-minute preflow. Had good blow immediately; flow rate 3.02 MMCF; gas to surface in 4 minutes. Shut in 1 hr. Opened 1 hour for final flow; 1" THC, 3/4" BHC. Gas flow started at 5795 MCF and ended at 4623 MCF; recovered no fluid; 840# pressure on choke. Shut in 2 hours. Pulled DST tools. Recovered 390' of 53° Gravity condensate (2-1/4 bbls.) and 10' gas-cut drilling mud. Pressures: 10-minute IFP 0-1649#; 1 hour ISIP 1649-6341#; FFP 1780-1452#; 2-hour FSIP 1452-4615#; IH 7514#; FH 7318#. Bottom Hole Sampler contained: 1450# pressure, 10 CF gas, 75 cc's condensate. Bottom Hole Temperature 165°F.

Drill Stem Test No. 7: 13,058-13,165' (Morrow)

3/4" BHC, 1/2" Adjustable THC. Opened tool at 10:50 a.m. 6-9-72, for 10-minute preflow. Had weak blow immediately to very weak blow. Shut in 1 hour. Opened 1 hour for final flow; had very weak blow throughout test. Shut in 2 hours. Pulled DST tools. Recovered 3008' water blanket and 60' drilling mud. Pressures: 10-minute IFP 1518-1551#; 1-hour ISIP 1551-5820#; FFP 1551-1583#; 2-hour FSIP 1583-4257#; IH 8684#; FH 8230#. Bottom Hole Sampler contained: 1600 cc's drilling mud, 1/2 cu. ft. gas, 100# pressure. Bottom Hole Temperature 185°F.

Drill Stem Test No. 8: 14,807-14,933' (Siluro-Devonian)

3/4" BHC, 1" THC. Opened tool at 3:10 a.m. 7-12-72 for 10 minutes preflow. Had very weak blow after 8 minutes. Packer seat failed. Shut in 1 hour. Reopened tool; packer did not hold. Did not run water blanket. Recovered 4175' of drilling fluid. Bottom Hole Sampler contained 2500 cc's water, no pressure, no gas, no shows. IH and FH 6866#. No chart on 10-minute preflow. BHT 184°.