

DRILL STEM TESTS: (Cont'd)

- DST #11: Devonian 14,599' to 14,622', 5/8 x 1" chokes, no water blanket, tool open 3 hours, gas to surface in 34 minutes. After 2 hours gas volume 4 MCF/D, decreased to very weak blow at end of test. Recovered 10 gallons of free oil, gravity 51 deg at 60 deg. and 1900' of heavily gas cut and slightly oil cut mud, no water. 30 minute initial shut in pressure failed to record. Flowing pressure initial 75#, final 925#, 1 hour final shut in pressure 1025# increasing, hydrostatic pressure 7740#, bottom hole temperature 230 deg.
- DST #12: Devonian 14,620' to 14,672', 5/8" x 1" chokes, no water blanket, tool open 3 hours. Had weak air blow immediately, increased slightly and continued through-out test. Recovered 200' of slightly gas cut mud with brackish taste and 1250' of brackish water. 30 minute initial shut in pressure 6210#, flowing pressure initial 170#, final 650#, 2 hour final shut in pressure 6140# stabilized. Hydrostatic pressure 7695# - 7605#, bottom hole temperature 206 deg.
- DST #13: From 14,625' to 14,973', took 30 minute initial shut in pressure, opened tool and packers failed. Pulled test tool. 30-minute initial shut in pressure 6375#, hydrostatic pressure 8180# - 8070#. Reran test tool with Hookwall packer set at 13,900'. Tool open 7 hours, opened tool with good air blow to surface, gas to surface in 30 minutes, maximum rate of 4 MCF/D, decreased to too small to measure at end of test. Pulled test tool, recovered 11,454' of heavily gas cut mud with brackish taste, no water or oil. Flowing pressure initial 430#, final 5830#, 2-1/2 hour final shut in pressure 5940#, hydrostatic pressure 7495# - 7530#.