

### DRILL STEM TESTS

- 8- 3-50 - DST #1 from 8469' to 8580', 4 hour test, 3-1/2" Mod. drill pipe, perforations from 8557' to 8577' on 5/8" bottom & 1" top chokes. Opened tool at 12:29 P.M. with light blow air increasing to fair blow in 1-1/2 hours & continuing for remainder of test. Gas to surface in 1 hour & 50 Min., volume too small to measure - estimated 1000 cu ft per day. Closed tool at 4:29 P.M. for 1/4 hour build-up. Recovered 590' drlg. mud, slightly gas cut, no oil or water. Halliburton Chart - Hydro. pressure in 4450#, out 4100#, initial flow pressure 75#, final 100#, 1/4 hour build-up 0#. Amerada Chart - Hydro. pressure in 4385#, out 4225#, initial flow pressure 135#, final 160#, 1/4 hour build-up 215#.
- 8-5-50 - DST #2 from 8578' to 8654', 4 hour test, 3-1/2" Mod. drill pipe, perforations from 8578' to 8580' and from 8639' to 8652' on 5/8" bottom & 1" top chokes. Opened tool at 6:00 P.M., gas to surface in 16 Min., volume at beginning of test 110,000 cu ft per day, at end of test 133,000 cu ft per day. Closed tool at 10:00 P.M. for 1/4 hour build-up. Recovered 390' of drlg. mud, est. 1% gas cut, no shows of oil or water. Halliburton Chart - Hydro. pressure in 4500#, out 4300#, initial flow pressure 1000#, final 825#, 1/4 hour build-up 2700#.
- 8-7- 50 - DST #3 from 8654' to 8771', 1 hour & 25 Min. test, 3-1/2" Mod. drill pipe, perforations from 8654' to 8664' & from 8756' to 8768' on 5/8" bottom & 1" top chokes. Opened tool at 11:05 P.M. with faint blow air for 12 min. & died. Re-opened tool at 12:17 A.M. with few bubbles. Closed tool at 12:30 A.M. for 1/4 hour build-up. Recovered 32' drlg. mud, no oil, water or gas. Halliburton Chart - Hydro. pressure in 4500#, out 4375#, initial flow pressure 100#, final 125#, 1/4 hour build-up 0#.
- 8- 9-50 - DST #4 from 8767' to 8840', 1 hour & 30 Min. test, 3-1/2" Mod. drill pipe, perforations from 8832' to 8837' on 5/8" bottom & 1" top chokes. Opened tool at 7:30 A.M. with small blow air for 25 Min. & died. Closed tool at 9:00 A.M. for 1/4 hour build-up. Recovered 375' of drlg. mud, no shows of oil, gas or water. Halliburton Chart - Hydro. pressure in 4000#, out 3875#, initial flow pressure 100#, final 400#, 1/4 hour build-up 400#.
- 8-10-50 - DST #5 from 8839' to 8915', 3-1/2" drill pipe, 4 hour test, perforations from 8902' to 8912' on 5/8" bottom & 1" top chokes. Opened tool at 1:45 P.M. with good blow air, gradually decreasing to faint blow at end of test. Closed tool at 5:45 P.M. for 1/4 hour build-up. Recovered 270' drlg. mud, 245' clear salt water, no show of oil or gas. Halliburton Chart - Hydro. pressure in 4425#, out 4360#, initial flow pressure 200#, final 2800#, 1/4 hour build-up 3025#.

