

## DRILL STEM TESTS

- 7-10-50 - DST #1 from 8715' to 8853', 4 hour test, 4-1/2" Extra Hole drill pipe, perforations from 8715' to 8716' & from 8838' to 8848'. Opened tool at 9:31 P.M. with fair blow of air which decreased to weak blow, gas to surface in 3 hrs. & 49 min. Closed tool at 1:31 A.M. for 1/4 hour build up. Recovered 1472' of oil & gas cut drlg. mud, 2% to 15% gas cut, 1380' of salt water, 1280' of oil, dark amber color, 41 gravity at 70 degrees. Hydro. pressure in & out 4530#, initial flow pressure 250#, final 2350#, 1/4 hour build up 2755#.
- 7-14-50 - DST #2 from 8854' to 8925', 4-1/2" drill pipe, perforations from 8919' to 8922' on 5/8" bottom & 1" top chokes. Opened tool at 4:35 P.M. & packer failed to hold. Closed & re-opened tool at 4:45 P.M. & packer failed to hold. Pulled out of hole & recovered 1440' of drlg. mud. Hydro. pressure in 4660#, out 4470#.
- 7-15-50 - DST #3 from 8866' to 8925', 1 hour & 45 min. test, 4-1/2" drill pipe, perforations from 8896' to 8922' on 5/8" bottom & 1" top chokes. Opened tool at 4:30 A.M. with light blow of air for 5 min. & died. Tool closed & reopened at 6 A.M. with few bubbles. Closed tool at 6:15 A.M. for 1/4 hour build-up. Recovered 30' of drlg. mud, no water, oil or gas. Hydro. pressure in 4700#, out 4600#, flowing pressures 0#, no build-up pressure.
- 7-16-50 - DST #4 from 8899' to 8990', 4-1/2" extra hole drill pipe, perforations from 8899' to 8900' & from 8959' to 8987' on 5/8" bottom & 1" top chokes. Tool opened at 11:31 A.M., 11:42 A.M. & 11:50 A.M. Packers failed to hold. Closed tool & pulled out of hole. Recovered 990' of drlg. mud with no shows of oil, water or gas. Hydro. pressure in 4545, out 4440#.
- 7-17-50 - DST #5 from 8924' to 8990', 1 hour & 35 min. test, 4-1/2" extra hole D.P., perforations from 8924' to 8930' & from 8959' to 8987' on 5/8" bottom & 1" top chokes. Opened tool at 6:25 P.M., started losing mud, closed tool & re-opened at 6:30 P.M., at 6:45 P.M. with light blow of air with mud dropping slowly in 8-5/8" casing. Closed tool at 8:00 P.M. Pulled out of hole, found slight cutout in packer mandrel. Recovered 1440' of drlg. mud, no show of oil, gas or water. Hydro. pressure in 4545#, out 4440#, initial flow pressure 320#, final 545#, no build-up pressure.
- 7-18-50 - DST #6 from 8988' to 9060', 4 hour test, 4-1/2" extra hole drill pipe, perforations from 9048' to 9057' on 5/8" bottom & 1" top chokes. Opened tool at 11:25 P.M. with good blow air, gas to surface in 26 min., gas measurement 212,000 cu ft per day, no oil to surface. Closed tool at 3:25 A.M. for 1/4 hour build-up. Recovered 1200' of heavy oil & gas cut drlg. mud, 10% cut, 6660' of clean oil, corrected gravity 42.3, Hydro. pressure in 4655#, out 4610#, initial flow pressure 545#, final 1400#, 1/4 hour build-up 2670#.
- 7-19-50 - DST #7 from 9057' to 9085', 2 hour test, 4-1/2" extra hole drill pipe, perforations from 9058' to 9082' on 5/8" bottom & 1" top chokes. Opened tool at 11:35 P.M. with light blow of air for 45 min. & died. Tool opened 2 hrs. Recovered 30' of drlg. mud, no shows of oil, water or gas. Hydro. in 4650#, out 4650#, initial flow pressure 0#, final 0#, build-up pressure 0#.

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