

REPORT ON DRILL STEM TESTS

- 7-20-49 D.S.T. #8 - From 10199' to 10250', 4 hour test on 3½" D.P. W/2 packers set at 10191' & 10199' W/ 5/8" bottom & 1" top chokes, perforations from 10199' to 10201' & 10199' to 10247'. Tool opened at 1:25 PM with light blow of air for 3 hours & died, tool closed at 5:25 PM for 1/4 hour build-up. Recovered 1440' dry pipe, 360' drilling mud, 8450' salt water. Halliburton Hydro. in 5300#, out 5200#, initial flow 290#, final 4050#, no build-up pressure. Amerada chart Hydro. in 5140#, out 5240#, initial flow 200#, final 3900#, no build-up pressure. Water analysis - 28,500 PPM Chlorides.
- 7-25-49 D.S.T. #9 T.D. 10450', 3½" Drill Pipe W/1450' water blanket, packers at 10424' & 10432', Perforations from 10433' to 10446', 5/8" bottom & 1" top chokes. Opened tool at 4:30 AM with good blow of air, blowed 1 hour & died. Tool open 2 hrs., closed at 6:30 AM for 1/4 hour build-up. Recovered 1450' dry pipe, 1450' water blanket, 180' gas cut drilling mud, 7370' salt water, 23,000 PPM chlorides. Halliburton Chart - Hydro. in 5300#, out 5300#, Min. Flow 1300#, final flow 4150#, 1/4 hr. build-up 4150#. Amerada Chart - Hydro. in 5300#, out 5220#, Min. flow 1090#, final flow 4090#, 1/4 hour build-up 4050#.
- 7-27-49 D.S.T. #10 From 10491' to 10520', 3½" Drill Pipe W/1530' water blanket, packers at 10483' and 10491' W/perforations from 10493' to 10514' with 5/8" bottom & 1" top chokes, opened tool at 4:00 PM with good blow air for 1-3/4 hrs. & died. Tool open 2-3/4 hrs. Closed at 6:45 PM for 1/4 hour build-up. Recovered 1425' dry pipe, 210' drilling mud, 1500' water blanket, 7356' salt water. Halliburton Chart - Hydro. in 5500#, out 5390#, Min. flow 1000#, final flow 4200#, 1/4 hour build-up 4200#. Amerada Chart - Hydro. in 5390#, out 5320#, Min. flow 790#, final flow 4050#, 1/4 hour build-up 4050#.
- 7-28-49 D.S.T. #11 From 10921' to 10966'. Tool open 1 Hr. & 38 Min., 3½" D.P., 1920' water blanket. Set packers at 10913' & 10921' with perforations from 10922' to 10923' & 10955' to 10963' W/ 5/8" bottom & 1" top chokes. Opened tool at 3:17 PM with good blow air. Deat at 3:55 PM. Closed tool at 4:55 PM for 1/4 hr. build-up. Recovered 1290' dry pipe, 1920' water blanket, 270' drlg. mud, 7486' salt water. Halliburton chart - Hydro. in 5700#, out 5550#, Min. flow 2500#, final flow 4350#, 1/4 hr. build-up 4350#. Amerada Chart - Hydro. in 5580#, out 5480#, Min. flow 2150#, final flow 4270#, 1/4 hr. build-up 4270#.
- 8-12-49 D.S.T. #12 From 11090' to 11123', 4 hour test, 3½" Drill Pipe W/2070' water blanket. Packers at 11082' & 11090'. Opened tool at 5:15 PM on 5/8" bottom & 1" top chokes with fair blow of air. Closed tool at 9:15 PM W/faint blow of air. Recovered 2070' water blanket and 1530' slightly gas cut mud W/salty taste. Halliburton Chart - Hydro. in 5800#, out 5600#, Min. flow pressure 1050#, final flow pressure 1700#, 1/4 hr. build-up 4250#. Amerada Chart - 5780# Hydro. in, 5650# out, Min. flow 1040#, final 1670#, 1/4 hr. build-up 4200#.
- 8-13-49 D.S.T. #13 From 11124' to 11148', 4 hour test, 3½" drill pipe W/2070' water blanket. Packers at 11116' & 11124', perforations from 11126' to 11145' on 5/8" bottom & 1" top chokes. Opened tool at 9:05 PM with fair blow of air. Closed tool at 1:05 AM with light blow of air. Recovered 2070' water blanket, 450' drilling mud, 2130' salt water. Halliburton Chart - Hydro. in 5850#, out 5650#, Min. flow 1100#, final 2150#, 1/4 hr. build-up 4000#. Amerada Chart - Hydro. in 5780#, out 5630#, Min. flow pressure 1090#, final flow pressure 2060#, 1/4 hr. build-up 3970#.

- 7-20-42 D.S.T. #2 - From 10199 to 10201, 4 hour test on 3" D.P. W/2 packers set at 10191 & 10199, 5/8" bottom & 1" top chokes, perforations from 10199 to 10201, & 10201 to 10207. Tool opened at 1:25 PM with light flow of air for 3 hours & died, tool closed at 2:25 PM for 1 1/4 hour build-up. Recovered 1440' dry pipe, 360' drilling mud, 8450' salt water. Halliburton Hydro. in 5200%, out 5200%, in 5200% final flow 280%, final 4050%, no build-up pressure. Amerasia Chart - Hydro. in 5100%, out 5040%, initial flow 200%, final 380%, no build-up pressure. Water analysis - 25,500 PPM Chlorides.
- 7-20-42 D.S.T. #3 - T.D. 10450', 3 1/2" Drill Pipe W/1450' water blanked, packers at 10434' & 10436', perforations from 10434' to 10446', 5/8" bottom & 1" top chokes. Opened tool at 4:30 AM with good flow of air, allowed 1 hour & died. Tool open 2 hrs., closed at 6:30 AM for 1 1/4 hour build-up. Recovered 1450' dry pipe, 1450' water blanked, 120' gas cut drilling mud, 7370' salt water, 23,000 PPM Chlorides. Halliburton Chart - Hydro. in 5200%, out 5200%, Min. Flow 1300%, final flow 4150%, 1 1/4 hr. build-up 4150%. Amerasia Chart - Hydro. in 5200%, out 5200%, Min. Flow 1050%, final flow 4020%, 1 1/4 hour build-up 4020%.
- 7-20-42 D.S.T. #10 - From 10441 to 10450', 3 1/2" Drill Pipe W/1530' water blanked, packers at 10434' and 10436', perforations from 10434' to 10446' with 5/8" bottom & 1" top chokes, opened tool at 4:00 PM with good flow of air for 1-3/4 hrs. & died. Tool open 2-3/4 hrs. Closed at 6:45 PM for 1 1/4 hour build-up. Recovered 1450' dry pipe, 210' drilling mud, 1200' water blanked, 7350' salt water. Halliburton Chart - Hydro. in 5200%, out 5200%, Min. Flow 1000%, final flow 4000%, 1 1/4 hour build-up 4000%. Amerasia Chart - Hydro. in 5200%, out 5200%, Min. Flow 750%, final flow 4050%, 1 1/4 hour build-up 4050%.
- 7-20-42 D.S.T. #11 - From 10451 to 10466', Tool open 1 hr. & 38 min., 3 1/2" D.P., 1930' water blanked. Set packers at 10451 & 10451, with perforations from 10451 to 10466', & 10466' to 10471, 5/8" bottom & 1" top chokes. Opened tool at 3:15 PM with good flow of air. Tool at 3:55 PM. Closed tool at 4:55 PM for 1 1/4 hr. build-up. Recovered 1450' dry pipe, 1920' water blanked, 270' drilling mud, 7480' salt water. Halliburton Chart - Hydro. in 5700%, out 5500%, Min. Flow 2500%, final flow 4350%, 1 1/4 hr. build-up 4350%. Amerasia Chart - Hydro. in 5580%, out 5580%, Min. Flow 2150%, final flow 4270%, 1 1/4 hr. build-up 4270%.
- 7-20-42 D.S.T. #12 - From 11090 to 11123', 4 hour test, 3 1/2" Drill Pipe W/2070' water blanked. Packers at 11082' & 11090'. Opened tool at 9:15 PM on 5/8" bottom & 1" top chokes with fair flow of air. Closed tool at 9:15 PM W/air flow of air. Recovered 2070' water blanked, and 1530' slightly gas cut mud W/salty taste. Halliburton Chart - Hydro. in 5800%, out 5600%, Min. Flow pressure 1050%, final flow pressure 1700%, 1 1/4 hr. build-up 4350%. Amerasia Chart - 3780% Hydro. in 5650% out, Min. Flow 1040%, final 1870%, 1 1/4 hr. build-up 4200%.
- 7-20-42 D.S.T. #13 - From 11131 to 11181', 4 hour test, 3 1/2" Drill Pipe W/2070' water blanked. Packers at 11116' & 11124', perforations from 11124' to 11131' on 5/8" bottom & 1" top chokes. Opened tool at 9:00 PM with fair flow of air. Closed tool at 1:05 AM with light flow of air. Recovered 2070' water blanked, 450' drilling mud, 2130' salt water. Halliburton Chart - Hydro. in 5850%, out 5650%, Min. Flow 1100%, final 2150%, 1 1/4 hr. build-up 4000%. Amerasia Chart - Hydro. in 5060%, out 5060%, 1 1/4 hr. build-up 3970%.