

RECORD OF DRILL STEM TESTS

- 11-7-49 DST. #8. From 9271' to 9330', 4 hr. test, 2-6 $\frac{1}{2}$ " OD. Packers, safety joint, & 3 $\frac{1}{2}$ " drill pipe. Packers set at 9263' & 9271'. Perforations from 9304' to 9327', 5/8" bottom & 1" top Chokes. Tool opened at 5:30 P.M. with strong blowair gradually decreasing to faint blow at end of test. Tool closed at 9:30 P.M. for $\frac{1}{4}$ hr. BUP. Recovered 380' drlg. mud, 4240' salt water, no gas no oil, Halliburton Hydro. in 5050# out 4900#, initial flow pressure 375#, final flow press. 2400#, $\frac{1}{4}$ Hr. BUP. 2800#, Amerada Hydro. in 4815# out 4765#, initial flow pressure 195#, final flow pressure 2265#, $\frac{1}{4}$ hr. BUP. 2645#.
- 11-9-49 DST. #9 . From 9380' to 9430', 2-6 $\frac{1}{2}$ " OD. ~~XXXXXX~~ Packers, safety joint, 3 $\frac{1}{2}$ " drill pipe, 4 hr. test, packers set at 9372' & 9380', Perforations 9414' to 9427', with 5/8" bottom & 1" top chokes, opened tool at 6:12 PM. with strong blow of air, gas to surface in 8 mins. no fluid to surface. Gas volume 33, 200 cu. ft per day. Closed tool at 10:12 PM. for $\frac{1}{4}$ hr. BUP. Recovered 360' drlg. mud, heavily gas cut, 630' free oil. Corrected gty. 46. Dark amber color, 540' salt water, cut with approximately 2% oil. Halliburton Hydro. in 5200# out 5000#, initial flow pressure 300#, final flow pressure 700#, $\frac{1}{4}$ hr. BUP. 1950#. Amerada Hydro. in 4955# out 4815#, initial flow pressure 195#, final flow pressure ~~195~~ 655#, $\frac{1}{4}$ hr. BUP. 1925#
- 12-9-49 DST. #10, From 10555' to 10605', 2-6 $\frac{1}{2}$ " OD Packers on 3 $\frac{1}{2}$ " drill pipe & safety joint, & 1620' water blanket. Set Packers at 10547' & 10555' with perforations from 10589' to 10602', with 5/8" bottom & 1" top chokes. Opened tool at 3:00 A.M. with fair blow air, decreasing gradually to 5:00 A.M. Closed tool at 7:00 A.M. for $\frac{1}{4}$ hr. BUP. Recovered 180' of drlg. mud. on top, 1620' water blanket, 450' of drlg. mud with slight sulphur odor. Halliburton Hydro. in 5750# out 5450#, initial flow pressure 1500#, final flow pressure 2400#, $\frac{1}{4}$ hr. BUP. 4100#. Amerada Hydro. in 5565# out 5380# Initial flow pressure 890# final flow pressure 990#, $\frac{1}{4}$ hr. BUP. 4045#.
- 12-11-49 DST #11, from 10599' to 10620' , 2-6 $\frac{1}{2}$ " OD Packers, with 1620' water blanket 3 $\frac{1}{2}$ " Drill pipe, packers set at 10591' & 10599'. Perforations 10600' to 10617' with 5/8" bottom & 1" top chokes, opened tool at 3:40 A.M. with strong blow air, gradually decreasing to weak blow and died at 6:00 A.M. No gas to surface. Closed tool at 7:00 A.M. for $\frac{1}{4}$ hr. BUP. Recovered 1620' water blanket, 7470' Salt water, no oil or gas. Halliburton Hydro. in 5700# out 5575#, initial flow pressure 1500#, final flow pressure 4100#, $\frac{1}{4}$ hr. BUP. 4100#. Amerada Hydro. in 5570# out 5385#, initial flow pressure 1280# final flow pressure 3950#.
- 12-20-49 DST. #12 From 9342' to 9360', 1-1/4 Hr. Test with 1-4 $\frac{1}{2}$ " Hookwall packer with safety joint on 2-3/8" OD. EUE. Tubing, packers set at 9279' . Perforations 9280' to 9300', with 5/8" bottom & 1" Top Choke. Opened tool at 1:50 P.M. with few bubbles , reopened tool at 2:05 P.M. with a few bubbles for 1/2 minute , Closed tool at 3:05 PM. for 1/4 hr. BUP. Recovered 182' of Drlg. mud, no water. Halliburton Hydro. in 5600# out 5600#, Initial flow press. 0#, final flow press. 0#, 1/4 Hr. BUP. 0#. Amerada Hydro in 4430# out 4335#, initial flow pressure 0# final flow press. 0#, 1/4 Hr. BUP. 0#

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