

RECORD OF BRILL STEM TESTS

- 10-24-49 DST. #1 From 8505' to 8550'. 5 Hr. & 25 minute test, on 3½" Drill pipe ran two 6½" OD packers & safety joint, packers set at 8497' & 8505'. Perforations from 8506' to 8507' & 8539' to 8547', with 3/8" bottom & 1" Top Choke. Tool opened at 4:35 A.M. gas to surface in 2 minutes, gas volume 1,558,000 cu. ft. per day. Distillate to surface @ 6:00 A.M. gravity 55.4 @ 50 Deg. at 7:00 A.M. enough distillate to fill separator, from 7:00 A.M. to 8:00 A.M. made 2.07 bbls. dist. at 9:00 A.M. 1.38 bbls. dist. gas vol. 1,300,000 cu. ft. per day. Closed tool @ 10:00 A.M. for ¼ hr. BUP. Recovered 270' free distillate. Halliburton Hydro. in 4600# out 4450#, Initial flow press. 1200# final flow press. ~~1222~~ 875#, ¼ Hr. BUP. 2300#. Amerada Hydro. in 4430# out 4340#, initial flow pressure 1190#, final flow pressure 740#, ¼ Hr. BUP. 2240#
- 10-27-49 DST. #2 From 8612' to 8690'. 4½ Hr. Test, with 2-6½" OD packers & safety joint, 3½" Modified Drill pipe, set packers at 8604' & 8612', perforations from 8674' to 8687', with 5/8" bottom and 1" Top Choke. Opened tool at 6:00 P.M. gas to surface in 1 min. mud to surface in 6 mins. Distillate to surface in 15 mins. put on 3/8" top choke & just cracked 1" choke. Turned to tanks @ 6:15 P.M. From 6:15 P.M. to 10:15 PM made 57.65 bbls. distillate. Closed tool @ 10:15 PM. for ¼ hr. BUP. produced 2.07 bbls. while bleeding down with packer pulled loose. Halliburton Hydro. in 4800# out 4600#, Min. Flow pressure 2200 #, Max. flow pressure 2300#, 4 minute BUP. 3200#. Amerada Hydro. in 4620# out 4540#, Min. Flow Pressure. 1900#, Max. flow pressure 2330#, 4 min. BUP. 3100#. Recovered 100' free distillate in drill pipe, no mud or water. Gas Vol. 5,450,000 cu. ft. per day. Gravity approximately 63 @ 30 deg. corrected to 66.8. Distillate clear as drinking water.
- 10-28-49 DST. #3 at 8730'. Ran 2-6½" OD. packers & safety joint, went in ~~back~~ hole, set tool on bottom to test drill pipe for leaks, tool opened up by itself and would not close when drill pipe picked up. Mud equalized and pulled tool out of hole. Found bottom valve badly washed out, top valve of tool was OK.
- 10-28-49 DST. #4 from 8690' to 8730'. 1 Hr. & 35 min. test, going in hole, ran 2-6½" Packers & safety joint on 3½" Drill pipe, packers set at 8682' & 8690'. Perforations 8694' to 8727' with 3/8" bottom & 1" top chokes. Opened tool at 6:34 A.M. with weak blow for 4 mins. & died, waited ½ hr. & reopened tool, with weak blow for 3 mins. & died, tool open 1 hr. & 35 mins Closed tool at 8:10 A.M. for ¼ hr. BUP. Recovered 90' drlg. mud, no shows Halliburton Hydro. in 4800#, out 4700#, Flow pressure 0#, 1/4 Hr. BUP. 0#. Amerada Hydro. in 4480# out 4480# Flow pressure 0#, 1/4 Hr. BUP. 0#
- 10-30-49 DST. #5 From 8809' to 8845', Ran 2-6½" OD. Packers & safety joint on 3½" drill pipe. Set packers at 8801' & 8809'. Perforations 8811' to 8843' with 3/8" bottom & 1" top chokes. Tool open at 3:33 A.M. with good blow air, closed tool at 7:33 A.M for ¼ hr. BUP. Recovered 570' drlg. mud, slightly gas cut, 5310' of salt water, decreased to weak blow of air at end of test. Halliburton Hydro in 4700# out 4650#, flowing pressure, Initial 250# final 2650#, ¼ hr. BUP. 3150# . Amerada Hydro in 4765# out 4620#, initial flow 195# final flow 2645#, ¼ hr. BUP. 3125#
- 11-1-49 DST. #6 From 8862' to 8965', 4 hr. test, with 2-6½" Packers, safety joint, and 3½" drill pipe. Packers set at 8854' & 8862', perforations from 8864' to 8866' & from 8954' to 8962'. 3/8" bottom and 1" top chokes. Tool opened at 1:44 A.M. with good blow air that gradually decreased through out test. tool closed at 5:44 A.M for 1/4 Hr. BUP. Recovered 540' salt water cut with drlg. mud, 6270' salt water, no gas, no oil. Halliburton Hydro. in 4900# out 4800#, initial flow pressure 925#, final 3250#, ¼ hr. BUP. 0#. Amerada Hydro. in 4815# out 4570#, initial flow pressure 725#, final flow 3125#, ¼ hr. BUP. 0#.
- 11-3-49 DST. #7 from 9049' to 9095', 2-6½" OD. Packers, safety joint, 3½" Modified drill pipe. Packers set at 9041' & 9049'. Perforations from 9085' to 9092'. 5/8" bottom & 1" top Chokes, tool open 4 hrs. & 45 mins. opened tool 11:13 PM. very faint blow air for 45 mins. reopened tool at 12:01 A.M. with fair blow air, gradually decreased, gas to surface @ 2:28 A.M. only faint blow air for length of test, volume too small to measure, est. 2,000 cu. ft. per day. Closed tool at 4:01 A.M. for 1/4 Hr. BUP. Recovered 360' drlg. mud salt water cut, 900' salt water. Howco. Hydro. in 4850# out 4850#, initial flow press. 400# final flow press. 675#, ¼ hr. BUP. 1000# Amerada Hydro. in 4620# out 4475#, initial flow press. 340#, final flow press. 610#, 1/4 Hr. BUP. 970#.

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1. The first step in the process of the investigation is the identification of the problem. This is done by the investigator who is responsible for the investigation. The investigator must identify the problem and the scope of the investigation. The investigator must also identify the objectives of the investigation. The objectives of the investigation are the goals that the investigator wants to achieve. The objectives of the investigation are the goals that the investigator wants to achieve.