



2-7-50

D.S.T. #1 from 8675' to 8726', 4 hour test with two Howco Packers on 3 1/2" Mod. Drill Pipe set at 8667' and 8675'. Perforations from 8677' to 8679' and 8710' to 8723' with 5/8" bottom & 1" top chokes. Tool opened at 12 Noon with strong blow of air. Gas to surface in 6 mins., Gas volume at rate of 137,600 cu ft per day, decreased to 67,440 cu ft per day at end of test. Closed tool at 4:00PM for 1/4 Hour Build-up Press. Recovered 120' of gas cut Drlg. mud, no oil or water. Howco Hydro In 4600#, out 4550#, Initial Flow Press. 150#, Final 0# 1/4 Hour Build-up Press. 1300#

2-12-50

D.S.T. #2 from 9010' to 9060', 4 hour test with 2 Howco Packers on 3 1/2" Mod. Drill Pipe set at 9002' and 9010'. Perforations 9042' to 9057' with 5/8" bottom and 1" top chokes. Tool opened at 7:23PM with strong blow of air. Gas to surface in 26 minutes. Gas Volume at rate of 15,600 cu ft per day. No fluid to surface. Closed tool at 11:23PM for 1/4 Hour Build-up. Recovered 550' of heavy oil and gas cut drlg. mud on top, 200' of free oil, (Qty. 45.6 corrected) 90' of heavy oil and gas cut drlg. mud on bottom. All mud cut est. 40% oil. Howco Hydro Press. in 4900#, Out 4750#. Initial Flow Press. 80#, Final 200# 1/4 Hour Build-up Press. 775#

2-13-50

D.S.T. #3 from 9066' to 9085', 4 hour test with two Howco Packers on 3 1/2" Mod. Drill Pipe set at 9058' and 9066'. Perforations 9068' to 9081' with 5/8" bottom and 1" top chokes. Tool opened at 8:23PM with good blow of air. Gas to surface in 3 hours & 18 minutes. Gas Volume est. 2,000 cu ft per day. No fluid to surface. Closed tool at 12:32AM for 1/4 Hour Build-up. Recovered 1350' of Salt Water, 90' of salt water and gas cut Drlg. mud. Howco Hydro In 4950#, Out 4900#. Initial Flow Press. 100#, Final 800#. 1/4 Hour Build-up Press. 3175#

2-17-50

D.S.T. #4 from 9361' to 9405', 4 hour test with two Howco Packers on 3 1/2" Mod. Drill Pipe set at 9373' and 9381'. Perforations 9385' to 9401' w/ 5/8" bottom and 1" top chokes. Tool opened at 12:28PM, gas to surface in 4 minutes at rate of 165,600 cu ft per day, decreasing to 10,000 cu ft per day at end of test. Closed tool at 3:28AM for 1/4 Hour Build-up. Recovered 450' of Heavy oil and gas cut Drlg. mud, est 40% oil, 810' of free oil (Corrected Qty. 47.9) 270' of salt water. Howco Hydro In 4950#, out 4900#. No reading on flow press. or build-up.

4-4-50

D.S.T. #5 from 10944' to 10990', 2 hour test with two Howco Packers on 3 1/2" Mod. Drill Pipe set at 10936' and 10944' with perforations at 10945' and 10946' and 10980' to 10987', 5/8" bottom and 1" top chokes. Tool opened at 6:17AM with fair blow of air which gradually decreased and died in 7 minutes. Re-opened tool at 6:55AM with weak blow of air for two mins. and died. Re-opened tool at 8:00AM and had six bubbles. Closed tool at 8:15AM for 1/4 Hour Build-up. Recovered 1900' of water blanket, 90' of Heavy Drlg. mud on bottom. Howco Hydro Press. In 5750#, Out 5800#, Initial Flow Press. 1400#, Final 1400# 1/4 Hour Build-up Press. 0#

4-5-50

D.S.T. #6 from 10990' to 11020', 1 hour & 40 minute test with two Howco Packers on 3 1/2" Mod. Drill Pipe set at 10982' & 10990'. Perforations from 10991' to 11017' with 5/8" bottom and 1" top chokes. Tool opened at 1:50AM had few bubbles. Closed and reopened tool 4 times to check. Closed and re-opened tool again at 2:55AM with weak blow for 3 mins. and died. Closed tool at 3:30AM for 1/4 hour build-up. Recovered 1900' of water blanket, 270' of Drlg. Mud. No shows of oil, gas or water. Howco Hydro Press In 5800#, Howco Hydro Press Out 5700#. Initial and Final Flow Press. 1050# 1/4 Hour Build-up Press. 0#

4-7-50

D.S.T. #7 from 11019' to 11046', 4 hour test with two Howco Packers on 3 1/2" Mod. Drill Pipe set at 11011' and 11019'. Perforations 11020' to 11043' 5/8" bottom and 1" top chokes. Tool opened at 8:20AM with good blow of air, gradually decreasing to very faint blow at end of test. Closed tool at 12:28PM for 1/4 Hour Build-up. Recovered 1350# of Dry Pipe, 1900' water blanket, 7796' of Sulphur Water, No oil or gas. Howco Hydro Press. In 5700#, Out 5625#. Initial Flow Press. 1200#, Final Flow Press. 4200# 1/4 Hour Build-up Press. 4200#