

RECORD OF DRILL STEM TESTS

State LMT #4

- 2-10-49 3055' TD, Ran Drill Stem Test w/ Packer @ 2932', Perforations: 2933'-32' & 3028'-52', 5/8" bottom & 1" top chokes, ran circulating sub & safety joint on bottom & tool opened @ 2:24AM, Gas to surface in 2 minutes, mud in 4 minutes, no oil. Gas Vol.-2,126,000 cu.ft. per day, closed tool @ 6:24AM for 1/4 hr B.U.P. No recovery of oil, water or ϕ mud. Howco: hydro in 1610#, out-1580#, Min. flow 690#, Max.-805#. 1/4 hr B.U.P. 1250#. Amerada BT Chart: Hydro in & out-1665# Min. flow 625#, Max.-795#, 1/4 hr BUP-1335#.
- 2-12-49 3180' TD, Ran Drill Stem Test #2 w/ Packer @ 3053', Perforations: 3054'-55' & 3148'-3177', 5/8" bottom & 1" top chokes, Tool open @ 6:40PM w/ good blow gas to surface in 2 mins, Mud in 3 mins. Tool open 4 hrs closed @ 10:40PM. Gas Vol.-4,062,240 cu.ft. per day, Howco: Hydro in 1700#, out-1700#, Min. flow 1150#, Max. flow 1180#, no B.U.P. Amerada BT Chart: Hydro in & out 1665#, Min. flow 1190#, Max.-1210#, no B.U.P.
- 2-14-49 3330' TD, Ran Drill Stem Test #3 w/ Packer @ 3182', Perforations: 3183'-84' & 3272'-3324', 5/8" bottom & 1" top chokes. Tool open @ 7:45AM Gas to surface in 3 mins, Gas Vol 817,362 cu. ft. per day. Increased to 1,064,700 cu.ft. per day. Mud to surface in 11 minutes, Made 1.76bbbls mud 1st hour. None for remainder of test. Tool open 4 hrs, closed @ 11:54AM for 1/4 hr B.U.P. Recovered 5' gas out ϕ mud, Howco: Hydro in 1800# out-1775#, Flow Min.-300#, Max. 500#, 1/4 hr B.U.P.-1300#. Amerada BT Chart: Hydro in 1840#, out-1740#, Min flow 220#, Max. flow 330#, 1/4 hr B.U.P.-1200#.
- 2-23-49 Rigged up & ran Schlumberger Electric Survey & Gamma Ray Survey.