State LMT #3

RECORD OF DRILL STRA TASTS

1-1-49

1-2-49

- 3020' TD, Ran Drill Stem Test #1 w/ Packer set @ 2928', Perforations: 2929'-30' & 2990'-3015', tool opened @ 3:14PM. 3/8" bottom and 1" tdp:chokes. Gas to surface in 1 minute. Mud to surface in 1-1/2 mins. Made 2 bbls mud first hr. then dry gas. Tool closed @ 7:14PM for 1/4 hr B.J.P. Did not record. Gas Vol: 1,524,000 cu.ft. per day. Howco: Hydro in 1600#, out-1600#, Initial flow press. 525#, Final flow press. 425#, 1/4 hr B.W.P. 1200#. Amerada Chart: Hydro in 1620#, out-1620#, Initial flow press.-445#, Final flow press. 380#, 1/4 hr B.W.P. 1210#.
- 3105' TD, Ran Drill Stem Test #2 w/ Packer set @ 3020', Perforations: 3021'-22' and 3084'-3100', 3/8" bottom and 1" top choke. Tool opened @ 1:27AM. Gas to surface in 3 mins, Mud to surface in 5 mins, made 1.38bbls mud lst hr. No more fluid for remainder of test, Tool closed @ 5:27AM for build up. Started out with gas volume 895,600 cu.ft. gas per day, gradually decreased to 879,000 cu.ft. gas. Recovered 120' Ø mud, slightly gas cut. Howco: Hydro in 1650#, out-1650#, Initial flow press. 425#, Final flow press. 350#, 1/4 hr B.U.P. 1300#. Amerada Chart: Hydro in 1715#, Hydro out 1715#, Initial flow press. 455#, Final flow 320#, 1/4 hr. B.U.P. 1350#.
- 3220' TD, Ran Drill Stem Test #3 w/ Packer ast @ 3105', Perforations: 3206'-07' and 3197'-3215' w/ 5/8" bottom and 3/8" top choke, tool opened @ 7:10PM, Gas to surface in 2 mins, Mud to surface in 22 mins. Made 2.76bbls mud 1st. hr. and 2.76bbls mud 2nd hr. no recovery 3rd and 4th hours of test. Recovered 15' salt water. Gas Volume 1,710,000 cu.ft. per day. Tool closed @ 11:10PM for 1/4 hr B.U.P. Howeo: Hydro in 1830#, out-1790#, Initial flow 1130#, 1/4 hr B.U.P. 1300# on bottom and drlg. @ 2:40AM.
- 3360' TD, Ran Drill Stem Test #4 w/ Packer set @ 3219', Perforations: 3220'-21' and 3340'-54', 3/8" bottom and 1" top chokes, Tool opened @ 9:04AM. Good blow of air at once. Gas to surface in 2 mins. Mud in 5 mins, Closed tool @ 1:04FM for 1/4 hr B.U.P. Gas Volume 585,200 cu.ft. per day. Recovered 290' of gas cut Ø mud, Howgo: Hydro in 1980#, Hydro out 1870#, Min. flow 275#, Max. flow 300#, 1/4 hr. B.U.P. Off. Amprada Chart: seme as above.
- 3460' TD, Ran Drill Stem Test #5 w/ Packer set @ 3360', Perforations: 3361'-62' and 3452'-3457', 3/8" bottom and 1" top choke, Opened tool @ 3:05AM, had fair blow air for 25 mins and died. Tool open 1 hr and 25 mins. Closed tool @ 4:30 AM for 1/4 hr B.U.P. Recovered: 25' drlg. mad, no gas or water, Howco: Hydro in 2000#, out-2100#. Flow press. O#, 1/4 hr B.U.P. O#. Amerada Chart: Hydro in 1750#, out-1750#, flow press. O#, 1/4 hr. B.U.P. O#.

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Ran Schlumberger Electrical Survey and Gamma Ray Survey.

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