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No. 1 State A-1320
Lea County, New Mexico

DRILL STEM TESTS

- DST No. 1: 10,430' to 10,480'. Mis-run. Packer did not hold.
- DST No. 2: 10,400' to 10,480', 3/4" bottom choke, open on top. 3 hour test. Tool open 10 mins. for pre-flow with weak blow. Closed tool and took 1 hr. ISIP. Tool open 3 hours for flow test. Had weak blow and died in 2 hrs. & 45 mins. Closed tool and took 1 hr. FSIP. Recovered 180' of drilling mud and 390' of salty sulphur water. Chlorides on drilling mud was 4400 ppm, and chlorides on recovery was 44,890 ppm. Recovered 250 cc of salty sulphur water in sample chamber. Chlorides 46,150 ppm. 50# pressure on sample chamber. 1 hr. ISIP 3639#, IFP 138#, FFP 277#, 1 hr. FSIP 2721#, Hydro in 4832#, Hydro out 4855#. Temp. 152° F.
- DST No. 3: 12,950' to 12,980', 5/8" x 1/4" chokes, 3000' of water cushion. 30 min. pre-flow with weak blow. 1 hr. ISIP. 4 hour test with weak blow through out test. Rec: 9100' gas in drill pipe, 220' oil, grvty. 60° corrected, 3000' slightly gas cut water cushion, 180' heavily gas cut mud. Hydro in 6515#. IF on pre-flow 1353#, FF on pre-flow 1353#, ISIP 4944/60 mins. IFP 1353#, FFP 1396#, FSIP 4581/60 mins. Hydro out 6515#. Temp. 194° F. Sample Chamber 290#. Rec. 0.75 CFG, 2200 cc heavily mud cut oil.
- DST No. 4: 12,983' to 13,000'. Mis-run, drill pipe collapsed going in the hole 7 stands off bottom.
- DST No. 5: 12,983' to 13,000', 5/8" x 1" chokes. 3000' water cushion. Took 15 min. pre-flow with strong blow. 1 hr. ISIP. 7 hour 10 min. test. GTS in 1 hr. & 25 min. Oil to surface in 3 hours. Flowed to pit 10 mins. and turned totest tank for 4 hr. test.
1st hr. FTP 15-20#, 1" choke, made 15.51 BF
2nd hr. FTP 30-45#, 1" choke, made 11.33 BF
3rd hr. FTP 40-60#, 1" choke, made 21.68 BF
4th hr. FTP 40-60#, 1" choke, made 21.46 BF
Last hour all oil, reversed out 123.07 BF. Total fluid rec: 160.57 BO & 32.48 BWC. Rec: 90' oil below circ. sub. Hydro in 6451#, IFP 1695#, FF 1952#, ISIP 4880# for 1 hr. & building. IFP 2081#, FF 3833#, FSIP 4559/60 mins. & building, Hydro out 6430#, Temp. 194°. Sample chamber 300#. Rec: 1350 cc 61.7° grvty oil. 2.05 CFG.

