

THE SUPERIOR OIL COMPANY

GOVERNMENT "D" No. 1
1,980' FNL & 1,980' FWL
Section 12, T-21-S, R-27-E
Eddy County, New Mexico

Drill Stem Test Data

DST # 1 3,074' to 3,152'

Hallib tester on dry 4-1/2" DP, 3/4" btm chk. TO for 10 min preflow w/vy weak blow. SI 1 hr. TO for 1 hr test w/weak blow, decr slightly. SI 1 hr. POH & rec 300' vy slight oil & gas cut mud & 30' salt water tstg 4,800 GPG. Smpl chamber rec 1,400 cc mud & 200 cc salt water. L hr ISIP 1,397, FP 127-191, 1 hr FSIP 1,312, HP 1,397 in & 1,333 out. BHT 79° F.

DST # 2 7,477' to 7,583'

Hallib tester, 5/8" btm chk, 485' wtr cush. TO for 15 min preflow w/weak blow. SI 1 hr. TO for 1 hr test w/vy weak blow thruout. SI for 1 hr. POH & rec 485' wtr cush plus 90' drlg mud, no shows. 1 hr ISIP 400, FP 286-300, 1 hr FSIP 328, HP 3,508 in & out. BHT 130° F.

DST # 3 9,318' to 9,353'

Hallib tester on 4-1/2" DP, 1/2" btm chk, 1,000' wtr cush. TO for 10 min preflow w/strong blow. SI 1 hr. TO for 2-1/2 hr test on 1/4" surf chk, changed to 1/2" chk after 1 hr, wtr cush to surf after 1 hr & 10 min w/35 psi TP, oil to top 1 hr & 35 mins w/max TP 300 psi. TP stab @ 225 psi, making gas & dist @ est 1,500 MCFPDR, 49° gty on dist corr. SI 3 hrs. Rev out 30 bbls dist, no wtr. POH & rec 28 SCF gas & 750 cc oil @ 750 psi in smpl chamber. 1 hr ISIP 4,163, FP 830-1,286, 3 hr FSIP 2,959, HP 4,960 in & out. BHT 144° F.

DST # 4 11,353' to 11,482'

Hallib tester on 4-1/2" DP, 5/8" btm chk, 1,022 fresh wtr cush. TO for 10 min preflow w/weak blow. SI 1-1/2 hrs. TO for 1 hr test w/gas to surf in 30 mins w/max TP 4 psi on 1/2" surf chk, decr to 2 psi @ end of test, est flow rate 50 MCFPD. SI 2 hrs. POH & rec 1,022' gas cut wtr cush & 218' sl gas cut mud. Rec 1/2 cu ft gas & 1,600 cc mud in smpl chamber @ 50 psi. 1-1/2 hr ISIP no good, FP 61-666, 2 hr FSIP 4,661 & still bldg, HP 6,203 in & out. BHT 158° F.

DST # 5 11,477' to 11,639'

Hallib tester on 4-1/2" DP, 5/8" btm chk, 1,078' fresh wtr cush. TO for 10 min preflow w/strong blow. SI 1 hr. TO for 1-1/2 hr test w/strong blow, gas to surf in 28 mins w/max TP 4 psi, stab @ 3 psi last 1/2 hr, est gas rate 50 MCFPD. SI 3 hrs. POH & rec heavily gas & mud cut wtr cush plus 1,214' heavily gas cut salt water, 2,016 GPG NaCl. Rec 5 cu ft gas, no fluid @ 1,500 psi in smpl chamber. 1 hr ISIP 4,772, FP 787-1,202, 3 hr FSIP 4,772, HP 6,268 in & out. BHT 184° F

DST # 6 11,775' to 11,800'

Hallib tester on 4-1/2" DP, 5/8" btm chk, 1,016' fresh wtr cush. TO for 10 min preflow w/very weak blow. SI 1 hr. TO for 45 min test w/very weak blow. SI 1-1/2 hrs. POH & rec wtr cush plus 16' slight gas cut mud. 1 hr ISIP 1,995, FP 466-466, 1-1/2 hr FSIP 1,718, HP 6,345 in & 6,277 out. BHT 182° F.

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