

DRILL STEM TEST DATA

THE SUPERIOR OIL COMPANY
COLLATT ESTATE COM NO. 1
1980' FSL & 1980' FEL
SECTION 1, T-23-S, R-26-E
SOUTH CARLSBAD - WILDCAT
EDDY COUNTY, NEW MEXICO

DST #1

10,594-10,647

Halliburton Tester on 4-1/2" and 3-1/2" DP, 750' fresh wtr cushion, 5/8" bottom choke, pkrs set @ 10,594 & 10,600. TO for 15 min pre-flow w/weak blow incr to strong blow. SI for 1 hr ISIP. TO for 1 hr test w/good blow w/GTS in 17 mins. Flwd on 1" surf chk w/1# to 0# surf press, est gas flow rate 50 MCFPD w/0# surf press @ end of test. SI for 1 hr FSIP. POH & rec 750' WC + 30' sl GCM, sample chamber rec 1.9 cu ft gas @ 200#, no fluid. 1 hr ISIP 4981, FP 324-324, 1 hr FSIP 4091, HP 6072 in & 6049 out. BHT 150°.

DST #2

10,802-10,852

Halliburton Tester on 4-1/2" and 3-1/2" DP, 1000' wtr cushion, 5/8" bottom hole choke, pkrs set @ 10,796 & 10,802. TO for 15 min preflow w/weak to strong blow. SI for 1 hr ISIP. TO for 2 hr flow test w/strong blow w/GTS in 15 mins w/12# TP decr to 10# on 1/4" & 1/2" surf chks, est flow rate at end of test 100 MCFPD. POH & rec 1000' WC + 30' drlg mud. 1 hr ISIP 5918, FP 301-435, 2 hr FSIP 5961, HP 6238 in & 6217 out. BHT 175°.

DST #3

10,922-10,976

Halliburton Tester on 4-1/2" and 3-1/2" DP, 1000' wtr cushion, 5/8" bottom hole choke, pkrs set @ 10,916 & 10,922. TO for 15 min preflow w/vy weak blow. SI for 1 hr ISIP. TO for 2 hr test w/weak blow incr to strong blow, GTS in 2 hrs, 20 MCFPD rate. SI for 2 hr FSIP. POH & rec 1000' water cushion + 30' GCM, btm 500' wtr cush sl GC. 1 hr ISIP 3497, FP 452-474, 2 hr FSIP 4786, HP 6366 in & 6281 out. BHT 130°.

DST #4

11,278-11,526

Halliburton Tester on 4-1/2" and 3-1/2" DP, 1000' wtr cushion, 5/8" bottom hole choke. Pkrs set @ 11,272 & 11,278. TO for 15 min pre-flow w/strong blow w/GTS in 15 mins. SI for 1 hr ISIP. TO for 4 hr test w/wtr cushion to surf in 15 min w/190# on 1/2" chk. TP incr to max 215# after 30 min flwg time w/max gas rate 1450 MCFPD. TP then decr to 115# at end of test w/gas rate 800 MCFPD. SI for 4 hr FSIP. Rev out 3 bbls wtr cushion. POH & rec 60' sl GC drlg mud. 1 hr ISIP, 5100, FP 801-649, 4 hr FSIP 4305, HP 6534 in & 6448 out, BHT 185°.

DST #5

11,540-11,601

Halliburton Tester on 4-1/2" and 3-1/2" DP, 1000' wtr cushion, 5/8" bottom hole choke. Pkrs set @ 11,534 & 11,540. TO for 20 min pre-flow w/vy sl blow for 10 mins & dead. SI for 1 hr ISIP. TO for 65 min test w/no blow. Tried to close & re-open tool 3 times w/no blow. SI for 30 min FSIP. POH & rec wtr cushion + 60' drlg mud. 1 hr ISIP 843, FP 515-515, 30 min FSIP 658, HP 6535 in & out. BHT 187°.