

THE SUPERIOR OIL COMPANY

CHATTEN & MUNCY #1

LOCATION: 660' FSL & 1980' FEL
Section 18, T-6-S, R-28-E
Wildcat Field
Chaves County, New Mexico

10-19-73 DST #1 1930'-2020'

HOWCO Tester on dry DP, 3/4" bottom hole choke. Opened for 15 min preflow at 4:30 A.M., weak blow, decreasing. Took 1 hour ISIP. Opened for 1 hour test at 5:45 A.M., no blow. Shut in at 6:45 A.M. for 2 hour FSIP. POH w/test tool, recovered 10' drlg mud. Pressures as follows: Initial HP 1009 psi, 1 hr flow pressure 74-84 psi. 2 hr FSIP 84 psi. Final HP 988 psi. BHT 84° F.

10-20-73 DST #2 2230'-2321'

Halliburton Tester, dry, 3/4" bottom choke, pkr at 2230'. Opened tool at 9:10 A.M., 10-20-73 for 30 min preflow w/weak blow incr slightly. SI for 1 hr ISIP. Opened tool for 1 hr test w/weak blow, thru-out. SI for 2 hr FSIP. POH. Recovered 90' drlg mud & 60' salt wtr, no shows. Recovered in sample chamber 2200 cc salt wtr testing 11,468 GPG NACL. IFP 53-105, 1 hr ISIP 999, FFP 179-190, 2 hr FSIP 946, HP 1147 in and 1136 out, BHP 86° F.

10-31-73 DST #3 5965'-6104'

Halliburton Tester, DP dry, 3/4" bottom choke, pkr at 5965'. Opened tool at 7:15 A.M. for 15 min preflow on 1/4" top choke w/strong blow, gas to surface 15 min, 40 psi surface pressure at end of 15 min preflow. Shut in at 7:30 A.M. for 1 hr ISIP. Opened tool for test at 8:30 A.M. for 1-1/2 hrs w/weak blow of gas, max 1 psi surface pressure on 1/4" choke decreasing to 0# at end of test. Took 1-1/2 hr FSIP. POH. Recovered 4300' or 61 bbl of 9.3 lb salt water, 9800 GPG NACL or 102,000 PPM CHL. Sample chamber recovered 1.26 cu ft gas at 200 psi & 2000 cc salt wtr as above. 1 hr ISIP 2526 psi, FP 1007-2205 psi, 1-1/2 hr FSIP 2526 psi. HP 3400 in & 3331 psi out. BHT 111° F.

11-4-73 DST #4 6432'-6480'

Halliburton Tester, dry, 3/4" bottom choke, pkrs at 6426' & 32'. Opened tool at 9:57 A.M., 11-4-73, for 15 min preflow w/strong blow on 1/4" choke, gas to surface in 5 min, surface pressure 550 psi in 15 mins. Shut in for 1 hr ISIP. Opened tool at 11:12 A.M. for 2 hr test w/1000 psi surface pressure in 30 mins, stabilized at 1450 psi in 1-3/4 hrs, estimated gas rate 2150 MCFPD, no wtr or condensate. Shut in for 3 hr FSIP. POH. Recovered 370' of gas and condensate cut mud. Recovered in sample chamber 3.4 cu ft gas at 150 psi, no fluid. 15 min preflow 281-609, 1 hr ISIP 2779, 2 hr flow test 562-1583, 3 hr FSIP 2779, HP 3469 in and out, BHT 123° F.