

~~ANADARKO PRODUCTION COMPANY~~  
~~Inter Department Correspondence~~

TO New Mexico Oil Conservation Commission

DATE January 15, 1978

FROM ~~Anadarko Production Company~~

SUBJECT Turkey Track State Comm #1 - Drill Stem Tests - continued.

12/1/77 DST #6 - Tested 10915-11000

Open tool for 15 mins - max flow = 42 MCFPD (14 psi on 2" choke). Shut In 1 hour. Open tool 1 hour & 10 mins - gas to surface in 7 mins of 2nd flow period. Rate after 30 mins = 75 MCFPD (38 psi on 2" choke). Rate after 45 mins = 81 MCFPD (45 psi on 2" choke). Rate after 60 mins = 77 MCFPD (40 psi on 2" choke). Rate after 75 mins = 62 MCFPD (30 psi on 2" choke). Shut In 3 hours. SOH Reversed out: 8000' of heavily gas cut M. Chlorides @ 4000' = 140,000 ppm (pit = 150,000 ppm) FOH Pit level indicator showed a mud volume loss of 10 BPH or 50 bbl total during 5 hour test. Found hole in the crossover sub between drill collars & Lynes pkr tools. BHT° = 205°, IHP = 5738, IF = 196-230, ISI = 4182, FF = 212 (gained 82 psi of DM pressure during 1 hr SI)- 842, FSI = 4377, FHP = 5738. Sampler contained: 310 cc DM @ 0 psi - no gas.

12/3/77 DST #7 - Tested 4700-4850

Open tool for 17 mins - Strong flow in bucket. Shut In 1 hour. Open Tool 1 hour - weak blow in bucket. No gas to surface. Shut In 3 hours SOH Reversed out 100' of heavy free oil (30° corr to 60° F) + 2250' of gas & oil cut DM (& or) water. FOH 120°F, IHP = 2480, IF = 244-411, ISI = 1871, FF = 531-932 (120 psi increase while SI - only lost 5' DM on annulus = 71' in DP) FSI = 1736, FHP = 2477. Sample chamber: 2700 cc DM, no gas, no pressure.

12/4/77 DST #8 - Tested 6240-6390

Open tool for 15 mins - very weak blow for 1½ mins only. Shut In 1 hour. Open Tool 1½ hours - very weak blow increasing to very strong blow. No gas to surface. SOH Reversed out 1800' gas and 450' gas cut DM (chlorides = 130,000ppm) FOH 150°F, IHP = 3416, IF = 74-83, ISI = 1611, FF = 144-153, FSI = 705, FHP = 3329. Sample chamber: 2200 cc DM, no gas, no oil, no pressure.