

DRILL STEM TESTS

State Lease # E-641

Yates Petroleum Corporation
North Millman Unit No. 1
Section 7-T19S-R28E
Eddy County, New Mexico

DST #1 - 10507-10660' (Morrow) Mis-run. Due to ruptured pipe.

DST #2 - 10506-10660' - TO 30", SI 60", TO 90", SI 180". Op w/poor blow, increasing slowly. Reop w/fair blow, increasing. Recovered: 1000' WB, 94' GCM. Sampler: 350#, .81 cfg, 400 cc mud. BHT 160 deg. Pressures: HP 5052-5052; IFP 553-507; ISIP 2665' FFP 484-461; FSIP 3539.

DST #3 - 10723-10808' - TO 30", SI 60", OP 120", SI 240". Op w/strong blow of air. GTS in 10". Reop w/strong blow. Recovered: 1000' WC, 210' GCM, 2355' of salty formation water. Sampler: 1250#, 1300 cc liquid, 2.440 cfg. BHT 171 deg. Pressures: 5152-5111; IFP 791-1047; ISIP 3727; FFP 983-1534; FSIP 3895.

DST #4 - 10812-11152' (Lower Morrow). TO 30", SI 90", TO 90", SI 180". Op w/fair blow, increased to 2# on 1/2" choke in 30". Reop w/strong blow GTS in 65" into 2nd period, 16# on 1/4" choke = 45 MCFPD, decreased to 11# on 1/4" choke = 35 MCFPD. Recovered 650' DM, 1000' GCWB, 600' HGCM. Sampler: 500 psi, 2.7 cfg, no fluid. BHT 174 degrees. Pressures: HP 5255-5185; IFP 699-716; ISIP 1799; FFP 769-734; FSIP 4233.

DST #5 - (STRADDLE TEST) 9750-9845 - Strawn. TO 30", SI 60", OP 150", SI 240". OP w/strong blow. GTS in 15", 115# on 1/4" choke after 30". Reop w/strong blow w/340# on 3/8" choke = 500 MCFPD, decreased to 112# on 3/8" choke = 440 MCFPD. Recovered: 1733' GOCM, . 80' water (?filtrate). Pressures: HP 4586-4586; IFP 142-320; ISIP 4157; FFP 196-498; FSIP 3939.