

DRILL STEM TESTS

Yates Petroleum Corporation
Artesia Airport "CF" No. 2
10-T17S-R25E, Eddy County, New Mexico

DST #1 6862'-6930' - Misrun (Airport Canyon)

DST #2 6847-6930' - TO 30", SI 90", TO 60", SI 140". TO w/weak blow, increased steadily to off bottom of bucket in 12 minutes, remained strong throughout remainder of IF. FF opened w/weak blow, remained weak (2" wtr) throughout FF.

Recovered: 1000' fluid (300' DM and 700' salt water).

BHS: 250 psi, recovered 2200 cc fluid (2000cc salt water and 200 cc WCM)

Pressures: IHP 3358-3332; IFP 94-335; ISP 2556; FFP 375-509; FSP 2556.

DST #3 7587-7715' - Lower Strawn. TO 20", SI 60", TO 30", SI 60". TO w/weak blow and decreased. Re-op w/very weak blow and died in 15".

Recovered: - 190' DM. BHS: - 0# TSTM.

Pressures: IHP 3735-3759; IFP 1721; ISIP 2933; FFP 374; FSIP 2724.

DST #4 6450-6832 (Cisco Canyon) TO 30", SI 90", TO 150", SI 300".

Op w/fair blow increasing to 7 psig on 1/4" choke in 20", steady, GTS 20" after initial shut in. Re-op w/fair blow 0.5 psi/20", 6 psi/60", 11 psi/90", 15 psi/120", 18 psi/150", 20.5 psi/180" (50 MCFPD). Recovered: 4150' GCSW. Sampler: 1150 psi, 2.2 cuft of gas, 1600 cc SW.

Pressures: IHP 3257; IFP 306-721; ISIP 2204, FHP 3241; FFP 721-1432; FSIP 2172.

DST #5 6526-6776' - TO 30", SI 90", TO 95", SI 180". TO w/good blow, GTS in 15", increasing to 60 psig in 30" on 1/4" choke (100 MCFPD). RE-OP, GTS immediately, 32 psi in 30" (70 MCFPD) decreasing to 12 psi in 95" (40 MCFPD). Recovered: - 940' of HGCDM plus 687' HGC & OCM plus 400' water-cut O&GC mud. Sampler: - 700 psi 2.0 cfg, 1600 cc muddy water (54000 ppm Cl.) Pressures: IHP 3257, IFP 514-625, ISIP 2125, FHP 3241, FFP 577-863, FSIP 2043.