

DRILL STEM TESTS

Yates Petroleum Corporation
Brainerd Federal "IO" No. 1
660' FNL & 1980' FEL
Section 1-22S-21E
Eddy County, New Mexico

DST #1 5544-5610' - Wolfcamp - TO 30", SI 60", TO 60", SI 90". Op w/weak blow. Reop GTS in 18", no gauge. Recovered: 60' slightly gas cut mud. Sampler: 25# .1 cfg, 50 cc mud. Pressures: HP 2884-2884; IFP 51-58; ISIP 1851; FFP 58-64; FSIP 1889.

DST #2 27754-7822'-Strawn - TO 30", SI 60", OP 60", SI 125". Op w/strong blow. 0#, increased to 3# on 3/8" choke then decreased. Reop w/good blow, 2½#, GTS 6", 3# on 3/8" choke then died. Recovered 150' DM. Sampler 80#, 5.00 cfg, 1200 cc DM. BHT 143 deg. Pressures: HP 3710-3710; IFP 107-125; ISIP 604; FFP 107-107; FSIP 1345.

DST #3 8459-8587' - Upper Morrow - TO 30", SI 60", OP 60", SI 120". Op w/weak blow, 2# on 1/4" choke. Reop w/weak blow. GTS 35", 2# on 1/4" choke and decreased. Recovered 90' mud. Sampler 200 psi, 1000cc O&GCM, 9.85 cfg. Pressures HP 4013-4158; IFP 132-132; ISIP 1260; FFP 111-113; FSIP 3005.

DST #4 8670-8835'. TO 30", SI 90", OP 30", SI 60". OP w/strong blow. Reop w/blow and died. Recovered 60' drilling fluid. Sampler 20 psi, .035 cfg, 1900 cc drilling fluid. BHT 132 deg. Pressures HP 4126-4126; IFP 105-105; ISIP 317; FFP 70-52; FSIP 246.