

FORM NO. 472

DRILLING AND COMPLETION HISTORY

LEASE BURTON FLAT UNITWELL No. 5FIELD Burton Flat - Morrow

DATE COMPLETED _____

OPR: Monsanto Co.

DATE	WORK DONE
1973	
8/29	TD 11,539'; Now on bottom w/ bit prep to drill ahead. DST #1; (Morrow) 11,489-11,539; 20 Min preflow w/ weak to strong blow; NGTS; Pressure 1268 to 1523 psi; 60 Min. ISIP 4621 psi; 60 Min. FP 1628 to 2708 psi; Good blow, no surface pressure; NGTS; 120 Min. SIP 4621 psi; 90 Min. FFP 2856 to 3643 psi w/ good blow; NGTS; 180 Min. FSIP 4621 psi; I & FHP 5985 psi; BHT 184°. Smplr @ 15 psi, 2400 cc SW & .71 cf compressed air, no gas; Rec. 1500' WC, 300' DM & 6700' SW.
8/30	Drlg. 11,628' shale, lime & sand; 23½ Hrs. drilling, ½ Hr. Clean pit; MW 9.0, Vis 48, WL 5.2, FC 1/32, Ph 10.0. Bit #22 rerun J-55, has made 189' in 23 3/4 Hrs; Hauled 528 BW.
8/31	Drlg. 11,678' shale & lime; Bit #23 in hole; MW 9.6, Vis 48, WL 6.0, FC 1/32, Ph 10.0; Dev. 3/4 Deg. @ 11,660'; Bit #22 made 122' in 37 Hrs; 15½ Hrs. drilling, 8 Hrs. trip, ½ Hr. cutting drilling line.
9/1	TD 11,725' shale; coming out of hole prep to log. Bit #23 J-8 made 64' in 26½ Hrs; MW 9.7, Vis 47, WL 6.0, FC 1/32, Ph 10.0; 14 3/4 Hrs. drilling, 6 Hrs. Circ for logs, 3½ Hrs trip; Hauled no water.
9/2	Finished logging @ 2:00 AM;
9/3	TD 11,725'; All Morrow Zones calculate wet or no perm. Strawn zone 10,368-10,378, poro 3.5% & Ws 44%; Now on DST #2 w/ Lynes Pkrs from 10,280 to 10,450'; Tool open 20 Mins pre flow w/ GTS in 8 Mins @ 390 MCF; Tried to close tool & Pkrs de- flated slightly allowing fluid to enter DP; Re-inflated Pkrs & opened tool 60 Mins @ 320 MCF; SI 120 Mins; Opened tool 60 Mins @ 420 MCF; 120 Min. SI; Opened tool & held for 2 Mins & lost 10 BW; Closed tool & tried to inflate Pkrs; Opened tool & lost 5 BM.; Pkrs failed- pulling tool. Rec. 1729' GCM, Smplr 2650 cc mud w/ few bubbles; I & FHP 5433 psi, 20 Min preflow 230 psi; No ISIP; Pkr failed & reinflated. 60 Min. FP 384 to 423 psi, 120 Min. SIP 5167 psi bldg; 60 Min. FP 423 to 615 psi; 120 Min. FSIP 5129 bldg. Both SI pressures extroplate to 5177 psi;
9/4	Prep to run 5½" Csg.
9/5	Running 5½" Csg; MW 9.9, Vis 44, WL 7.0, FC 1/32, Ph 10.0.
9/6	TD 11,725'; Set 38 Jts. S-95 17# 5½" Csg 1242' & 322 Jts. N-80 5½" 17# @ 11,725' w/ 750 Sx. Class H, 3/4% CFR2 & 8# Salt/Sx.; Pumped plug down w/ fresh water, 2% KCL & 1 Gal. Morflo/1000 Gals; PD 3:15 AM 9/6/73; Released rig @ 8 AM; having trouble getting trucks to move rig.