

DRILLING AND COMPLETION HISTORY

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

DATE COMPLETED _____

OPR: Monsanto Company

DATE	WORK DONE
1973	Bit #14 made 176' in 27 Hrs; 15½ Hrs. drilling, 8 ¾ Hrs. trip & rig repairs; Hauled 710 BW.
8/13	Drlg. 9995' shale; Dev. 1 Deg. @ 9975'; MW 9.7, Vis 50, WL 20, FC 2/32, Ph 10.5. Bit #16, XWRJ, in hole; Bit #15 made 196' on 25 ¾ Hrs; 15½ Hrs. drilling. 8½ Hrs. trip; Hauled 284 BW.
8/14	Trip @ 10,165' shale; MW 9.9, Vis 39, WL 18, FC 2/32, Ph 10.5; Drilling 23 Hrs., 1 Hr. Totco & trip; Hauled 284 BW.
8/15	Trip 10,260' shale & lime; Bit #17, J8, made 95' in 15½ Hrs; 62 RPM, 70 M# Bit Wt; MW 10.0; Vis 37, WL 19, FC 2/32; Ph 10.0. Hauled 528 BW; no gas problems.
8/16	Sample Top Strawn 10,161' (-6921); 80' low to #3 Burton; 9' low to #2 Burton; 79' low to Gulf #1 Cerf; 133' high to Superior #1 Government "D"; 85' high to Humble #1 Cedar Hills Unit. Drlg. 10,309' lime; 49' progress; Dev. ¼ Deg. @ 10,259'; MW 10.2, Vis 36, WL 18.8, FC 2/32, Ph 10.0; 14 Hrs. drilling, 8 Hrs. Totco & trip, 1 Hr. repair chain, ½ Hr. cut drilling line, ½ Hr. wash to bottom; Bit #18, J55, in hole.
8/17	Drlg. 10,470' lime, shale & sand; 24 Hrs. drilling; MW 10.0, Vis 36, WL 14, FC 2/32, Ph 10.5; Hauled no water; no gas show; Had two 1' slight drilling breaks @ 10,305 & 10,309' - 3 Mins/Ft. & slight break @ 10,357 to 10,361.
8/18	Drlg. 10,608' shale & lime; Bit #18, J-55, has made 348' in 62 Hrs. MW 10.0, Vis 35, WL 14, Ph 10; 24 Hrs. drilling; Hauled 528 BW.
8/19	Drlg. 10,708' shale & lime; Dev. ¼ Deg. @ 10,645'; MW 9.8, Vis 35, WL 14, FC 2/32, Ph 10.0. 15½ Hrs. drilling, 7½ Hrs trip, 1 Hr. clean pit; Hauled 142 BW; Bit #19, J-55, has made 60' in 7 ¾ Hrs; Bit #18, made 389' in 70 Hrs.
8/20	Drlg. 10,835' shale & lime; Bit #19, has made 187' in 31½ Hrs; MW 9.8, Vis 35, WL 14, FC 2/32; Ph 10.0. 23½ Hrs. drilling, ½ Hr. clean pit; Hauled 526 BW. No gas.
8/21	Trip @ 10,969' lime & shale; Bit #19 made 319' in 54½ Hrs; MW 9.7, Vis 37, WL 18, FC 2/32, Ph 10.0; 23 Hrs. drilling, 1 Hr. Totco & trip; Hauled 426 BW.