

Form No. 472

DRILLING AND COMPLETION HISTORY

LEASE BURTON FLAT UNIT
 FIELD Burton Flat - Morrow
 OPR: Monsanto Company

WELL No. 5
 DATE COMPLETED _____

DATE	WORK DONE
<u>1973</u>	
7/31	Drlg. 7996' lime; 420' in 24 Hrs; Dev. 1 Deg. @ 7541'; Ph 10.5; Hauled 1136 Bbls. Wtr in last 2 days; Prep to mud up.
8/1	Drlg. 8350' lime & shale; 354' in 23½ Hrs; Dev. 1 Deg. @ 8040'; MW 8.5, Vis 33, WL 15, FC 2/32; Hauled 1278 BW.
8/2	Drlg. 8598' lime & shale; 248' progress in 24 Hrs; Dev. 1 Deg. @ 8567'; MW 9.8, Vis 37, WL 18, FC 2/32; Hauled 284 BW.
8/3	Drlg. 8748' shale & sand; MW 9.7, Vis 37, WL 17, FC 2/32, Ph 10; Hauled 426 BW; Drilled 24 Hrs.
8/4	Drlg. 8916' shale & lime; Dev. 1 Deg. @ 8567'; MW 9.9, Vis 37, WL 18, FC 2/32, Ph 10.
8/5	Drlg. 9063' shale & lime; 147' progress; Dev. 1½ Deg. @ 9063'; MW 10, Vis 37, WL 18, FC 2/32, Ph 10; 22 ¾ Hrs. drilling, 1½ Hrs. repairs, ¾ Hr. clean pits & totco; Hauled 528 BW.
8/6	Drlg. 9150' shale & lime; Dev. 1½ Deg. @ 9090'; Bit #12, J55, has made 59' in 10 Hrs. Bit #11 made 1550' in 146 Hrs; Pump pressure 1700 psi, 48 SPM; 16 Hrs. drilling, ¼ Hr. Totco, 7 Hrs. trip, ¾ Hr. cut line; ME 10.0, Vis 35, WL 18.8, Ph 10.0; Hauled no water.
8/7	Drlg. 9295' shale; 145' progress; MW 9.9, Vis 35, WL 20, FC 2/32, Ph 10.5; Bit #12 has made 204' in 34 Hrs; 24 Hrs. drilling. Hauled 142 BW.
8/8	Drlg. 9435' shale & lime; Bit #12 has made 344' in 58 Hrs; MW 9.9, Vis 35, WL 18.4; FC 2/32; Ph 11.0; 24 Hrs. drilling; getting very little gas on trips; Hauled 426 BW.
8/9	Drlg. 9520' shale & lime; Dev. 1½ Deg. @ 9480'; MW 9.9, Vis 37, WL 19.8, FC 2/32, Ph 11.0. Bit #13, J8, in hole, has made 39' in 5½ Hrs. Bit #12, made 390' in 70½ Hrs; 17 Hrs. drilling, 7 Hrs. trip; Hauled 1284 BW; No gas problems.
8/10	Trip 9619' shale; MW 9.8, Vis 37, WL 20, FC 2/32, Ph 11.0; Bit #14, XWR, in hole; Bit #13, J8, made 138' in 21 ¾ Hrs; 16½ Hrs. drilling, 7½ Hrs. trip; Hauled no water.
8/11	Drlg. 9795' shale & lime; 156' progress; MW 9.9, Vis 37, WL 20, FC 2/32, Ph 10.5; No gas problems; Hauled no water.
8/12	Drlg. 9905' shale & lime; 130' progress; MW 9.8, Vis 40 to 50 & very fluffy, WL 15, FC 2/32, Ph 10.5; Bit #15, X75, in hole;