

## DRILLING AND COMPLETION HISTORY

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

DATE COMPLETED \_\_\_\_\_

OPR: Monsanto Co.

DATE	WORK DONE
<u>1973</u>	
8/22	Drlg. 11,055' lime & shale; Bit #20, J-55, in hole; Dev. $\frac{1}{4}$ Deg. @ 10,965'; MW 9.6, Vis 37, WL 18, FC 2/32, Ph 10.0; 7 $\frac{3}{4}$ Hrs. trip & clean pit, 2 Hrs. reaming to bottom; 14 $\frac{1}{2}$ Hrs. drilling; Hauled 284 BW.
8/23	Drlg. 11,175' lime, sand & chert; 120' progress; MW 9.7, Vis 38, WL 7.0, FC 2/32, Ph 10.0; Bit #20, J-55, has made 208' in 38 Hrs; 24 Hrs. drilling; Hauled 426 BW.
8/24	Trip 11,259' shale, lime & chert; 124' progress; Bit #20, J-55, made 292' in 60 $\frac{1}{2}$ Hrs; MW 9.6, Vis 44, WL 7.0, FC 2/32, Ph 10.0. 22 Hrs. drilling, 2 Hrs. trip.
8/25	Spl Top Lower Morrow "A" Zone 11,205 (-7965); 75' high to Superior 1 - Gov't. D 75' high to Humber #1 Cedar Hills unit 108' low to prognosis 135' low to #2 Burton Flat Unit 162' low to #1 Miller Federal 162' low to Gulf #1 Cerf 171' low to #1 Burton Flat Unit 175' low to #4 Burton Flat Unit 188' low to #3 Burton Flat Unit  Drlg. 11,315' shale & lime; MW 9.6, Vis 60, WL 10.0; FC 2/32; Ph 10.0; Bit #21, X55, in hole, has made 56' in 16 $\frac{1}{4}$ Hrs; 6 $\frac{3}{4}$ Hrs. trip, 1 Hr clean pit, 16 $\frac{1}{4}$ Hrs. drilling; Hauled 710 BW; very little gas on trip.
8/26	Drlg. 11,415' lime & shale; 100' progress; MW 9.3, Vis 51, WL 5.0, FC 2/32, Ph 10.0; Bit #21, X55, has made 156' in 40 $\frac{1}{4}$ Hrs; 24 Hrs. drilling, Hauled 142 BW.
8/27	Drlg. 11,503' shale, lime & sand; MW 9.7, Vis 50, WL 5.4, FC 2/32, Ph 10.0; Bit #21, X55, has made 444' in 64 $\frac{1}{4}$ Hrs; 24 Hrs. drilling; Hauled no water.
8/28	TD 11,539; MW 9.9, Vis 47, WL 6.0, FC 1/32, Ph 10.0. 9 $\frac{1}{2}$ Hrs. drilling, 4 Hrs. circulating for samples prior to DST, 5 $\frac{1}{2}$ Hrs. strap out of hole, 5 Hrs. going in w/ test tools; Lack 25 stands being on bottom; DST #1 in Morrow will be 11,491 to 11,539; Drlg. Break 11,484 to 11,491; 15 Mins to 10 Mins/Ft.; 11,491 to 11,497, 5 Mins to 6 Mins/Ft.; 11,515 to 11,539 medium to coarse sand, 5 Mins & 10 Mins/Ft. Bit dull; Top "E" Sand (-8244); 174' low to Burton #3.