

MORROW

The Morrow consisted of brown, fine crystalline, shaly limestone and tan to light brown, fine crystalline, fossiliferous limestone down to 11,290'. Brown to gray-brown, fine to slightly medium, angular, micaceous, tight calcareous, poorly sorted sandstone was logged over the next 30'. Limestone, shale, chert and additional sandstone was logged down to the M₃ unit at 11,490'. Brown to dark gray-brown oolitic limestone marked the sample top of this unit. Drilling continued in mainly fine, tight sandstones to 11,568-574' where the first drilling break occurred. Samples from this break contained clear, coarse to very coarse, angular to sub-angular loose quartz sand. Another drilling break occurred from 11,638-646' and samples contained clear, medium to coarse angular to sub-angular, loose quartz sand. The last break in the M₃ unit was from 11,691-712'. The well was circulated out at 11,720' and samples contained clear, medium sub-angular to angular loose quartz sand. A decision was made to drill stem test.

DST No. 2 11,500-720'. Open 2' 30", 2250' WB.
 15" pre-flow - very weak blow - slight increase.
 Shutin 60". Reopened with good blow increasing
 to strong blow with $\frac{1}{4}$ " choke open. Gas in 1' 20"
 or 65" into the 2' 15" flow test.

<u>Time</u>	<u>Pressure</u>	<u>Volume - MCF</u>	<u>Choke</u>
1' 30"	65	117.6	$\frac{1}{4}$ "
1' 40"	95	154.6	$\frac{1}{4}$ "
1' 50"	125	205.8	$\frac{1}{4}$ "
2'	145	235.2	$\frac{1}{4}$ "
2' 10"	165	261.6	$\frac{1}{4}$ "
2' 15"	170	271.0	$\frac{1}{4}$ "
2' 30"	185	294.0	$\frac{1}{4}$ "

15" pre-flow - IFP 1094#, FFP 1181#, 60" ISIP
 4848#, 4 $\frac{1}{2}$ ' FSIP 4804#, 2' 15" flow period -
 IFP 1181#, FFP 1421#, IHP 5995# FHP 5929#, BHT 184° F.
 Sample chamber R/5.5 CFG + 500 cc DF under 1100# pressure.