

Harvey E. Yates Co., Inc.  
Fannie Lou Federal No. 1  
Eddy County, New Mexico

10-14-75 11,675' lime, shale and sand, drilling. Visc. 38, mud wt. 9.9, water loss 6, filter cake 1/32, pH 11. Bit #13 is J77 in @ 11,470' made 205'/63 1/4 hr. 4 1/2 hr. DST #6, 5 1/2 hr. TOH & LDT. 1/2 hr. repair, 3 1/4 hr. TIH. 3/4 hr. wash to btm. 9 1/2 hr. drilling. 50,000# wt., 44 RPM, 2000# pump pressure, 125 SPM. Made 35'/24 hr.

10-15-75 11,758' lime, shale & sand. Drilling. Visc. 37, Mud wt. 9.8, water loss 7, pH 10, filter cake 1/32. Bit #13 is J77 in @ 11,470' made 288'/87 hrs. 1/4 hr. BOP, 23 3/4 hr. drilling. 50,000# wt., 44 RPM, 2000# pump pressure, 125 SPM. 83'/24 hrs.

10-16-75 11,867' lime, shale & sand, Drilling. Visc. 37, Mud wt. 9.8, water loss 6, filter cake 1/32, pH 10.5, Bit #13 is J77 in @ 11,470' 397'/110 3/4 hrs. 1/4 hr. BOP, 23 3/4 hr. drilling. 50,000# wt., 44 RPM, 2000# pump pressure, 125 SPM. 109'/24 hrs.

10-17-75 Trip to log, 11,900'. Visc. 38, mud wt. 9.8, water loss 6, pH 11. Bit #13 is J77 in @ 11,470' out @ 11,900', made 430' in 125 1/2 hrs. Had 1/4 hr. BOP, 14 3/4 hr. drilling, 4 hr. circ. 4 hr. trip, 1 hr RU to log 42'/24 hrs. Running 50,000# wt., 44 RPM, 2000# pump pressure, 125 SPM.

10-18-75 11,906' DST #7 (11,736' to 11,906') visc. 38, mud wt. 9.8, water loss 6.5, filter cake 1/32, 3/4 hr cutting drilling lines. 14 hr. logging, 9 1/4 hr. DST #7. Dev. Survey @ 11,009' is 1°.

10-19-75 11,920' drilling, lime & shale. Visc. 37, Mud wt. 9.8, water loss 6, filter cake 1/32, Bit #14 is 7 7/8" J44 in @ 11,900', made 20' in 5 3/4 hrs. 4 1/4 hr. DST #7, 6 hr. TOH LDTT, 4 1/4 hr. LD 7" DC's, PU 6" DC's. 3 1/2 hr. TIH, 5 3/4 hr. drilling. Running 40,000# wt., 44 RPM, 2000# pump pressure, 125 SPM, 20'/24 hrs.

10-20-75 12,038' drilling, visc. 37, mud wt. 9.6, water loss 8, filter cake 1/32, Bit #14 is 7 7/8" J44 in @ 11,900' made 138' in 29 1/4 hrs. 1/4 Hr. BOP, 1/4 hr. cleaning pit, 23 1/2 hr. drilling, Running 40,000# wt., 44 RPM, 2000# pump pressure, 125 SPM. 118'/24 hrs.

10-21-75 12,205' drilling, lime, shale and chert. Visc. 37, mud wt. 9.5, water loss 8, filter cake 1/32. Bit #14 is 7 7/8" J44 in @ 11,900'. 305'/52 3/4 hrs. 1/4 hr. BOP, 1/4 hr. jet pits, 23 1/2 hr. drilling. 167'/24 hrs. 40,000 # wt., 44RPM, 2000# pump pressure, 125 SPM.