

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

10-22-75            12,345' drilling, lime & shale, visc. 38, mud wt. 9.5, water loss 7, filter cake 1/32. Bit #14 is 7 7/8" J44 in @ 11,900' made 445' in 76 hrs. Had 1/4 hr. BOP, 1/2 hr. checking Kelly, 23 1/4 hr. drilling, Running 40,000# wt., 44 RPM, 2000# pump pressure, 125 SPM.            Made 140'/24 hrs.

10-23-75            12,418' drilling, lime, shale & chert. Visc. 37., mud wt. 9.4, water loss 7, filter cake 1/32. Totco @ 12,342' is 1 1/4°. Bit #14 is 7 7/8" J44 in @ 11,900' out @ 12,342', made 442' in 75 1/4 hrs. Bit #15 is 7 7/8" J55 in @ 12,342' made 76' in 15 1/4 hrs. Had 7 3/4 hr. washing to btm. and reaming, 15 1/4 hr. drilling. Made 76'/24 hrs. Running 40,000# wt., 44 PRM, 2000# pump pressure, 125 SPM.

10-24-75            12,550' drilling, lime & shale, visc. 37, mud wt. 9.4, water loss 7, filter cake 1/32. Bit #15 is 7 7/8" J55 R in @ 12,342' made 208' in 39 hrs. 1/4 hr. BOP, 23 3/4 hr. drilling. Running 40,000# wt., 44 RPM, 2000# pump pressure, 125 SPM. Made 132'/24 hrs.

10-25-75            12,635' drilling, lime and shale. Visc. 37, mud wt. 9.3, water loss 7, filter cake 1/32. Bit #15 is J55R in @ 12,342' made 293'/62 3/4 hrs. 1/4 hr. BOP, 23 3/4 hr. drilling, 85'/24 hrs. 40,000# wt., 44 RPM, 2000pp, 125 SPM.

10-26-75            12,664' drilling, lime and shale. Visc. 37, mud wt. 9.2, water loss 8, filter cake 1/32. Bit #15 is 7 7/8" J55R in @ 12,342' out @ 12,645' made 303'/64 1/4 hrs., Bit #16 is 7 7/8" J55 in @ 12,645' made 19'/11 hrs. 1/4 hr. BOP, 9 1/4 hr. trip, 13 1/2 hr. drilling, 29'/24 hrs. 40,000wt, 40 RPM, 2000pp, 125 SPM.

10-27-75            12,720' drilling, shale. Visc. 36, mud wt. 9, water loss 7, filter cake 1/32. Bit #16 is 7 7/8" J55 in @ 12,645' 75'/34 3/4 hrs. 1/4 hr. BCP, 23 3/4 hr. drilling 56'/24 hrs. 40,000wt, 44 RPM, 2000pp, 125 SPM.

10-28-75            DST #8, 12,810' shale & dolomite. Visc. 36, mud wt. 9.1, water loss 6.5, Totco @ 12,810 is 4°. Bit #16 is 7 7/8" J55 in @ 12,645', out @ 12,810', 165'/41 3/4 hrs. Had 1/4 hr. BOP, 7 hr. drilling, 4 hr. circ., 4 hr. trip out, 6 1/4 hr. in w/test tool. 2 1/2 hr. DST #8 from 12,750' to 12,810'. Tool opened @ 4:25 a.m. with strong blow in 30 mins. No gas. 90'/24 hrs.