

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

10-4-75 11,015' DST #4, visc. 34, mud wt. 10, water loss 10, pH 9.5.  
Bit #11 is 8 3/4" FP63 in @ 10,470' out @ 11,015', made 545' in 67 1/2  
hrs. Had 3/4 hr. repair, 9 3/4 hr. drilling, 10 hr. circ. mxg. mud,  
3 1/2 hr. out, 84'/24 hrs.

10-5-75 11,025' drilling lime and shale. visc. 33, mud wt. 10, water loss  
12, pH 9.5, Bit #12 is 8 3/4" J55 in @ 11,015' made 10'  
in 2 1/2 hrs., Totco @ 11,015' is 1/4°. 1/4 hr. BOP, 4 3/4 hr.  
PUTT & trip in, 4 1/2 hr. DST #4, 7 3/4 hr. trip, 3 1/2 hr. wash to  
btm. 2 1/2 hr. drilling. 10'/24 hrs.

10-6-75 11,165' drilling lime and shale. Visc. 36, mud wt. 9.9, water loss  
9, pH 10, Bit #12 is 8 3/4" J55 in @ 11,015' made 150' in 26 1/4 hr.  
1/4 hr. BOP, 23 3/4 hr. drilling, 140'/24 hrs. Running 50,000#,  
44 RPM, 2000# pump pressure, 125 SPM.

10-7-75 11,285' drilling lime and shale. Visc. 37, mud wt. 9.9,  
water loss 6, pH 10. Bit #12 is 8 3/4" J55 in @ 11,015' made  
270' in 50 hrs. 1/4 hr BOP, 23 3/4 Hrs. drilling. 130'/24 hrs.  
Running 50,000#, 44 RPM, 2000 pump pressure, 125 SPM.

10-8-75 11,400' drilling, lime, visc. 36, mud wt. 9.9, water loss 6,  
pH 10.5. Bit #12 is 8 3/4" J55 in @ 11,015' made 385' in  
73 3/4 hrs. 1/4 hr. BOP, 23 3/4 hrs. drilling, 115'/24 hrs.  
Running 50,000# wt., 44 RPM, 2000# pump pressure, 125 SPM.

10-9-75 11,470' lime and shale. Prep to run DST #5 (11,305' to 11,470')  
Visc. 36, mud wt. 9.9, water loss 6, pH 10.5, filter cake 1/32,  
Bit #12 is 8 3/4" J55 in @ 11,015' out @ 11,470', made 405' in 94 3/4 hrs.  
18 1/4 hr. drilling, 4 hr. circ. DST 1 3/4 hr trip out. 50,000#  
wt., 44 RPM, 2000# pump pressure, 125 SPM. 70'/24 hrs.

10-10-75 Making trip 11,470' lime, sand & shale. Visc. 36, mud wt. 9.9,  
water loss 6, pH 10.5, filter cake 1/32. Bit #13 is J77 in @ 11,470'  
2 1/4 hr. trip out, 2 1/2 hr. PUTT, 3 1/4 hr. LDDC & TIH. 6 hr.  
DST #5, 6 hr. Trip & LDTT, 1/2 hr repair. 3 1/2 hr. TIH w/bit.

10-11-75 11,560' drilling, lime, sand and shale. visc. 36, mud wt. 9.9,  
water loss 6, filter cake 1/32, pH 10.5 Totco @ 11,470' is 1/2°.   
Bit #13 is J77 in @ 11,470' made 90' in 21 1/4 hrs. 3/4 hr. wash  
90', 2 hr repair, 21 1/4 hr. drilling. Running 50,000# wt., 44 RPM,  
2000# pump pressure, 125 SPM. 90'/24 hrs.

10-12-75 11,621' lime and shale, drilling. Visc. 37, mud wt. 9.8, water loss  
6, filter cake 1/32, pH 11. Bit #13 in @ 11,470', made 151' in 45  
hrs. Had 1/4 hr. BOP and 23 3/4 hr. drilling. Running 50,000# wt.,  
44 RPM, 2000# pump pressure, 125 SPM. 61'/24 hrs.

10-13-75 11,640' lime, sand and shale, Running DST #6. Visc. 38,  
Mud wt. 9.8, water loss 6, filter cake 1/32, pH 11. Bit #13 is J77  
in @ 11,470' out @ 11,640', made 170'/53 3/4 hrs. Totco @ 11,640'  
is 3/4°. Had 1/4 hr. BOP, 9 hr. drilling, 4 hr. circ. 4 hr. Totco  
and TOH. 3 3/4 hr. PU tool and TIH. 3 hr. DST (11,510' to 11,640')  
Tool opened @ 5:00 a.m. 19'/24 hrs.