

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

9-26-75            9985' drilling lime and shale. Drilling w/9.8 brine, pH 9, Totco @ 9845' is 1°. Bit #10 is 8 3/4" FP 63 in @ 9845' made 140' in 16 hrs. Had 6 1/2 hr. trip, 1 1/2 hr. reaming to btm, 16 hr. drilling, made 140' progress, Running 50,000# wt., 44 RPM, 2000# pump pressure, 125 SPM.

9-27-75            10,175' drilling lime and shale, Drilling with brine weighing 9.8, pH 9, Bit #10 is 8 3/4" FP 63 in @ 9865' made 330' in 40 3/4 hrs., Running 50,000# wt., 44 RPM, 2000# pump pressure, 125 SPM, had 24 hr. drilling, made 190' progress.

9-28-75            10,394' drilling lime and shale, Drilling w/brine weighing 9.8, pH 9, Totco @ 10,363' is 1/2°. Bit #10 is 8 3/4" FP 63 in @ 9845' made 549' in 63 1/2 hrs. Had 1/4 hr. BOP, 1 hr. Totco, 22 3/4 hr. drilling. Running 50,000# wt., 44 RPM, 2000# pump pressure, 125 SPM, made 219' progress.

9-29-75            10,470' testing DST #2 lime, shale and sand, drilling w/brine KCL weighing 9.8, pH 9, Totco @ 10,470' is 3/4°. Bit #10 is 8 3/4" FP 63 in @ 9845' out @ 10,470' made 675' in 68 1/2 hrs., Had 5 hr. drilling, 1/4 hr. BOP, 3 1/2 hr. circ. for DST #2 from 10,348' to 10,470' (122'). 4 hr. TOH, 3 1/4 Hr. TIH, 3 1/4 hr PU TT, 4 3/4 hr. testing. Made 76' progress.

9-30-75            10,565' drilling lime, shale and sand. Brine 8.8, pH 8, Bit #11 is 8 3/4" FP63 in @ 10,470', made 95' in 13 1/2 hrs. Had 1 1/2 hr. on DST #2, 9 hr. trip, 13 1/2 hr. drilling, 45,000# wt., 44 RPM, 2000# pump pressure, 125 SPM, 95' progress.

10-1-75            10,865' DST #3, Brine - KCL 9.8, pH 9. Totco @ 10,685' is 1/2°. Bit #11 is 8 3/4" FP63 in @ 10,470' out @ 10,685'. Made 215' in 25 1/2 hrs. 1/4 hr. BOP, 12 hr. drilling, 3 hr. circ. 7 3/4 hr. trip for DST #3 from 10,562' to 10,685'. made 120' progress.

10-2-75            10,751' drilling, lime and shale. Brine KCL 9.8, pH 9. Bit #11 is 8 3/4" FP63 in @ 10,470' made 281' in 34 hrs. Had 7 hr. on DST #3, 6 3/4 hr trips, 1 3/4 hr. LDTT, 8 1/2 hr. drilling, made 66' progress. Running 45,000# wt., 44 RPM, 2000# pump pressure, 125 SPM.

10-3-75            10,931' drilling lime and shale. KCL 9.8 brine, pH 10. Bit #11 is 8 3/4" FP 63 in @ 10,470' made 461' in 57 1/2 hrs. 1/4 hr. BOP, 1/4 pump, 23 1/2 hr. drilling. Made 180' progress. Running 50,000# wt., 44 RPM, 2000# pump pressure, 125 SPM.