

BLACK RIVER CORPORATION  
MILLER #1 WELL

Location: 760' FNL and 2080' FWL, Section 10, T-23-S, R-27-E, Eddy County,  
New Mexico

June 16, 1978

Depth - 7968', Formation - lime and shale, Bit wt. 55,000, RPM - 60, Pump  
Pressure - 1,100, SPM - 48, Drilling with water, P.H. - 11.  $3/4^{\circ}$  - 7844',  
23  $1/4$  hrs. drill, made 448'.

June 17, 1978

Depth - 8465', Formation - lime & shale, Bit Wt. - 55,000, RPM - 60, Pump  
Pressure - 1100, SPM - 48, Drilling with water, 10.5 P.H.,  $1/2^{\circ}$  - 8343',  
23 hrs. drill, made 497'.

June 18, 1978

Depth - 8869', Formation - lime & shale, Bit wt. - 55,000, RPM - 60, Pump  
Pressure - 1400, SPM - 48, Mud wt. - 9.9, 11 P.H.,  $1^{\circ}$  - 8807', 23 hrs.  
drill, made 404'.

June 19, 1978

Depth - 9030', Formation - lime & shale, Bit wt. - 55,000, RPM - 60, Pump  
Pressure - 1400, SPM - 48, Mud wt. - 9.9, 11 P.H.,  $3/4^{\circ}$  - 8962', 12  $1/2$   
hrs. drill, made 161'.

June 20, 1978

Depth - 9278', Formation - lime & shale, Bit wt. - 55,000, RPM - 60, Pump  
Pressure - 1400, SPM - 48, Mud wt. - 10.2, 11 P.H., 24 hrs. drill, made  
248'.

June 21, 1978

Depth - 9452', Formation - lime & shale, Bit wt. - 55,000, RPM - 60, Pump  
Pressure - 1500, SPM - 48, 10# Brine, 11 P.H., 24 hrs. drill, made 174'.

June 22, 1978

Depth - 9647', Formation - lime & shale, Bit wt. - 55,000, RPM - 62, Pump  
Pressure - 1600, SPM - 50, Mud Wt. - 10.2# Brine, 10 P.H.,  $3/4^{\circ}$  - 9462',  
23  $1/2$  hrs. drill, made 195'.

June 23, 1978

Trip for DST #1 at 9746', Formation - lime & shale, Bit Wt. - 55,000,  
RPM - 62, Pump Pressure - 1600, SPM - 50, Mud Wt. 10.2# Brine, 10 P.H.,  
 $3/4^{\circ}$  - 9746', 8  $1/4$  hrs. drill, made 99'.

June 24, 1978

Washing to bottom at 9746', Mud Wt. - 10.3#, 10.5 P.H., 0' of hole, 0 hrs.  
drill, DST from 9708' to 9746'. Initial hydrostatic - 5158', initial flow period -  
7 min., initial flow press. - 87, initial flow final flow press. - 87, initial  
shut-in period - 3 hrs., initial shut-in pressure - 5158', main flow period - 2 hrs.,  
main flow initial flow press. - 109, main flow final flow press. - 217, final shut-  
in period - 3  $1/2$  hrs., final shut-in pressure, 5158', final hydrostatic - 5158',  
temperature - 160°, recovery - 744' drilling fluid.