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L. M. Ferguson #1
Eddy County, New Mexico

DRILLING CONTRACTOR: Byrd Drilling Company

O. C. C.
ARTESIA, OFFICE

LOCATION: 1980' FSL & 660' FEL of Section 24, T-22-S, Range 27 East,
Eddy County, New Mexico.

FIELD: INDIAN DRAW
DELAWARE

PROPOSED DEPTH: 3600'

ELEVATION: 3045.9 GL.

8/1/75 Building road & location.

8/2/75 Building road & location.

8/3/75 Spudded @ 1:45 A.M. 8/3/75. Mixing mud for 60 sec. viscosity to hold caving gravel beds.

8/4/75 Ran 12 jts. 8-5/8" new & used casing. Cemented @ 413' w/175 sx class "C" cement w/2% Ca Cl. PD 4:00 A.M. 8/4/75. Circulated approximately 5 sx. 413' Red bed. Dev. 1° @ 413'.

8/5/75 Drilling @ 948' sand & anhydrite.

8/6/75 Drilling @ 1895' anhydrite. MW 8.2, Dev. 1° @ 900' & 1-1/4° @ 1400'.

8/7/75 Drilling @ 2447' shale & lime.

8/8/75 3005' conditioning mud. Shale & lime. Dev. 1-1/4° @ 2979'.
MW 10, Vis 32, WL 10.

8/9/75 Drilling @ 3081'. Mixing mud.

8/10/75 No report.

8/11/75 3175' mixing mud & conditioning hole. Prep to core @ 3175'.
POOH to 1200' - right hole - unable to work through. RIH to
T.D. increased viscosity to 65 sec.

8/12/75 3155'. Stuck in key seat. Will back off & run jars & key seat
wiper.

8/13/75 GIH to PU Core Barrel.

✓ 8/14/75 3175'. Prep to condition hole & core. (Re: 8/13/75
"condition hole" - stuck DP @ 1200'. RIH w/string shot outside
pipe & shot @ 1200'. POOH w/DC's & DP. RIH w/collars, DP,
bit, & key seat wiper. Reamed key seat @ 1200' & RIH. Conditioned
mud on bottom & POOH.

✓ 8/15/75 Coring @ 3160' (corrected depth). Cut 5'.