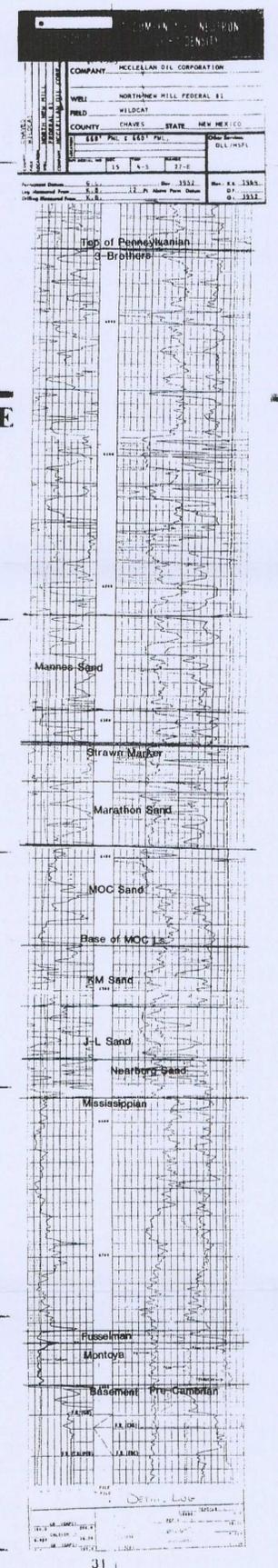


TYPE LOG



AREA OUTLINE OF PROPOSED THUNDERHEAD FEDERAL UNIT

TYPE LOG

NOTE: Only Wells Penn & Deeper Spotted

- NOTES:**
- Have porosity logs on all wells.
 - ML = Have Mud log
 - SL = Have sample Log
 - EC = Cuttings examined by Leo Lammers, Geologist

PROPOSED THUNDERHEAD UNIT AREA
 Chaves County, New Mexico
INDEX MAP
 Showing Location of Cross Sections And Proposed Thunderhead Unit

Scale In Feet: 0 2000 4000
 Leo Lammers, Geologist Date: Feb. 5, 2009