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*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OIL CONSERVATION DIVIS.

P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

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Form C-102 Revised 10-1-78

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Cable Tool Rig BOP Spec. Shaffer Control Gate similiar to Henderliter

APPLICATION FOR DRILLING

McCLELLAN OIL CORPORATION Arco Federal, Well No. 1 330' FSL & 330' FEL, Sec. 34-T19S-R27E Chaves County, New Mexico Lease No.: NM-31951 (Development Well)

In conjunction with Form 3160-3, Application for Permit to Drill subject well, McClellan Oil Corporation submits the following items of pertinent information in accordance with BLM requrements:

- 1. The geologic surface formation is recent Permian with quaternary alluvium and other surficial deposits.
- 2. The estimated tops of geologic markers are as follows:

Yates	487'
Seven-Rivers	755'
Queen	1350'
Grayburg	1645'
Total Depth	1900'

3. The estimated depths at which water, oil or gas formations are anticipated to encountered:

Water: Surface water between 100' to 300'.

0il: Seven Rivers below 755', Queen below 1350' and Grayburg below 1645'.

Gas: None.

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- 4. Proposed Casing Program: See Form 3160-3.
- 5. Pressure Control Equipment: See Form 3160-3 and Exhibit "E".
- 6. Mud Program: Cable tool drilling will be used, see Form 3160-3.
- 7. Auxiliary Equipment: A 10" Henderliter 3000 psi rotating head.
- 8. Testing, Logging, and Coring Program:

Drill Stem Tests: None.

Logging: From surface casing to T.D.: CNL-LDT and DLL Gamma Ray/Neutron. Coring: None planned.

- 9. No abnormal pressures or temperatures are anticipated.
- Anticipated starting date: February 26, 1989. Anticipated completion of drilling operations: Approximately 14 days.





Rig Layout