

APPLICATION FOR DRILLING

EAGLE OIL & GAS CO.
Crow Flats "A" Federal, Well No. 2
2310' FSL & 660' FEL, Sec. 19-T16S-R20E
Eddy County, New Mexico
Lease No.: NM-8940
(Exploratory Well)

In conjunction with Form 9-331C, Application for Permit to Drill subject well, Eagle Oil & Gas Co. submits the following items of pertinent information in accordance with USGS requirements:

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	285'	Grayburg	1430'
Seven Rivers	475'	Premier	1765'
Queen	1005'	San Andres	1805'
Penrose	1175'	T. D.	1900'
3. The estimated depths at which anticipated water, oil or gas formations are expected to encountered:

Water: Surface water between 100' - 300'.

Oil: Premier at approximately 1800'.

Gas: None.
4. Proposed Casing Program: See Form 9-331C.
5. Pressure Control Equipment: A Dyer Diverter will be used on this rotary air rig since there are no known pressure problems in the offsetting wells.
6. Mud Program: Mud will not be usee since this well will be drilled with a rotary AIR drilling rig.
7. Auxiliary Equipment: Dyer Diverter.
8. Testing, Logging and Coring:

Drill Stem Tests: None.

Logging: Gamma Ray:	Surface to T. D.
FDC/CNL:	Surface Csg. to T. D.
Dual Induction Laterolog:	Surface Csg. to T. D.

Coring: None.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: December 4, 1981.
Anticipated completion of drilling operations: Approximately 5 days.