

# APPLICATION FOR DRILLING

EAGLE OIL & GAS CO.  
Crow Flats Federal Com. Well No. 1  
1980' FSL & 1980' FWL, Sec. 30 T16S, R28E  
Eddy County, New Mexico  
Lease No.: NM 12110  
(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 the Seven Rivers.
2. The estimated tops of geologic markers are as follows:

Yates	262'	Canyon	7940'
Queen	972'	Strawn	3578'
San Andres	1755'	Atoka	9000'
Glorietta	3200'	Morrow	9220'
Abo	5200'	Chester L.S.	9524'
Wolfcamp	6450'	Total Depth	9600'
Cisco	7520'		
3. The estimated depths at which anticipated water, oil, or gas formations are expected to be encountered:

Water: At the Glorietta between 3200'-3354'.

Oil: Queen at approximately 972'-1022'.  
Premier between 1715'-1755'.  
Wolfcamp between 6820'-7130'.

Gas: Atoka between 9150-9165'.  
Morrow between 9220'-9524'.
4. Proposed Casing Program: See Form 9-331C.
5. Pressure Control Equipment: See Form 9-331C and Exhibit "E".
6. Mud Program: See Form 9-331C.
7. Auxiliary Equipment: Blowout preventer, gas detector, kelly cock, pit level monitor, flow sensors and stabbing valve.
8. Testing, Logging and Coring Program:

Drill Stem Tests: One possible test in each of the following:

Wolfcamp:	6820'-7130'
Atoka:	9150'-9165'
Morrow:	9220'-9524'

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

Coring: None.
9. No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered the proposed mud program will be modified to increase the mud weight.
10. Anticipated starting date: July 25, 1980.  
Anticipated completion of drilling operations: Approx. 60 days.