

APPLICATION FOR DRILLING
The Petroleum Corporation
Superior Federal Well No. 4
1980' FSL and 660' FEL
Section 5-T20S-R29E
Eddy County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill, subject well in Section 5, Township 20 South, Range 29 East, Eddy County, New Mexico, The Petroleum Corporation submits the following ten items of pertinent information in accordance with U.S.G.S. requirements:

1. The geologic surface formation is Alluvium and Bolson deposits.
2. The estimated tops of geologic markers are as follows:

Yates	1,200'
Seven Rivers	1,425'
Delaware	3,225'
Bone Springs	5,025'
Wolfcamp	9,100'
Strawn	10,200'
Atoka	10,500'
Morrow	10,800'
Barnett Shale	11,450'
3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered are:

Water:	At approximately 240 feet.
Oil or Gas:	Wolfcamp at approximately 9100' to 10200'
	Strawn at approximately 10200' to 10500'
	Atoka at approximately 10500' to 10800'
	Morrow at approximately 10800' to 11450'
4. Proposed casing program: See Form 9-331C and Exhibit F (page 2).
5. Pressure control equipment: See Form 9-331C and Exhibit E.
6. Mud program: See Exhibit F (pages 1 and 3).
7. Auxiliary equipment: See Exhibit F (page 2).
8. Testing, logging and coring programs: See Exhibit F (page 2).
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: January 15, 1978.