

APPLICATION FOR DRILLING

Morris R. Antweil  
Rio No. 1 - Section 29-T18S-R25E  
Eddy County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill subject well, Morris R. Antweil submits the following ten items of pertinent information in accordance with U.S.G.S. requirements:

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

San Andres	820'
Abo	4225'
Wolfcamp	5280'
Cisco	6810'
Canyon	7590'
Atoka	8305'
Morrow	8550'
Barnett Shale	8810'
3. The expected depths at which anticipated water, oil or gas formations are expected to be encountered:

Water:	At approximately 200' (Base 300' plus)
Oil or Gas:	Wolfcamp      Approximately 5280'-6810'
	Cisco            Approximately 6810'-7590'
	Morrow          Approximately 8550'-8810'
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, Inside Blowout Preventer, Kelley Cock.
8. Testing, logging and coring programs:

Testing:	One test in Morrow
Logging:	Compensated neutron-density log with gamma ray. Dual laterolog, micro laterolog.
9. No abnormal pressures or temperatures are indicated.
10. Anticipated starting date: As soon as possible (May 20, 1977).