

APPLICATION FOR DRILLING

Harvey E. Yates Company
Travis Deep Unit #3
Eddy County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill, subject well in Section 13, Township 18S, Range 28E, Eddy County, New Mexico, Harvey E. Yates Company submits the following ten items of pertinent information in accordance with the U.S.G.S. requirements:

1. The geologic surface formation is quaternary alluvium and bolson deposits and other surficial deposits.
2. The estimated tops of geologic markers are as follows KB measurement:

Yates	958'
Seven Rivers	1263'
Bowers	1693'
Queen	1926'
Penrose	2080'
Grayburg	2295'
San Andres	2695'
Glorieta	3755'
1st Bonespring Sand	6226'
2nd Bonespring Sand	7125'
3rd Bonespring Sand	8010'
Wolfcamp	8225'
Pennsylvanian	9210'
Cisco LS	9265'
Canyon	9815'
Strawn	10,010'
Atoka	10,321'
Morrow	10,592'
Lower Morrow	10,898'
Chester	11,222'
Total Depth	11,500'

3. We do not anticipate finding water but have listed the formations in which we anticipate finding oil or gas:

Canyon at approximately 9800' - 10,000'
Morrow at approximately 10,541' - 11,191'
Total Depth 11,500'

4. Proposed casing program: See Form 9-331C.
5. Pressure Control Equipment: See Form 9-331C and Exhibit D.
6. Mud Program: See Form 9-331C.
7. Auxiliary Equipment: Blowout Preventer.
8. Testing, logging and coring programs: Compensated Neutron Formation Density, CNL, Dual Laterolog RXO. No coring is planned. Possible DST's in the Bone Spring, Wolfcamp, Cisco, Canyon and Morrow formations.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible after approval (no later than November 20, 1977).