

APPLICATION FOR DRILLING

Harvey E. Yates Company
Travis Deep Unit #4
Eddy County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill subject well in Section 18, Township 18S, Range 29E, 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	950'	Canyon	9760'
Seven Rivers	1260'	Strawn	10,016'
Queen	1944'	Atoka	10,350'
Grayburg	2320'	Morrow	10,635'
San Andres	2740'	Lower Morrow	10,960'
1st Bonespring Sand	6265'	Chester	11,290'
3rd Bonespring Sand	8070'	Total Depth	11,400'
Wolfcamp	8305'		
Pennsylvanian	9266'		

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

Wolfcamp	8400'
Canyon	9650'
Morrow	10,600' - 11,100'

4. Proposed casing program: Se Form 9-331C.
5. Pressure control equipment: See Form 9-331C and Exhibit "C".
6. Mud program: See Form 9-331C.
7. Auxiliary equipment: Blowout Preventer.
8. Testing, logging and coring program: Compensated Neutron Formation Density, CNL, Dual Laterolog RXO. No coring is planned. Possible DST's in the Bonespring, Wolfcamp, Penn and Morrow formations.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible after approval (no later than September 25, 1978).