

## APPLICATION FOR DRILLING

Harvey E. Yates Company  
Travis Bassett-Birney #1  
Eddy County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill subject well in Section 7, 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	958'	Wolfcamp	8225'
Seven Rivers	1263'	Pennsylvanian	9210'
Bowers	1693'	Cisco	9265'
Queen	1926'	Canyon	9815'
Penrose	2080'	Strawn	10,010'
Grayburg	2295'	Atoka	10,321'
San Andres	2695'	Morrow	10,592'
Glorieta	3755'	Lower Morrow	10,898'
1st Bonespring Sd	6226'	Chester	11,222'
2nd Bonespring Sd	7125'	Total Depth	11,400'
3rd Bonespring Sd	8010'		

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

Wolfcamp	8400'
Canyon	9700'
Morrow	10,500' - 11,100'

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 program: Compensated Neutron Formation Density, CNL, Dual Laterolog RXO. No coring is planned. Possible DST's in the Bonespring, 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)