

APPLICATION FOR DRILLING

Harvey E. Yates Company
Southeast Indian Basin 23 #1
Sec. 23, T-22S, R-23E
Eddy County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill subject well in Section 23, Township 22S, Range 23E, Eddy County, New Mexico, Harvey E. Yates Company submits the following ten items of pertinent information in accordance with 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:

San Andres	675'
Glorieta	2185'
Lower Leonard Sand	3355'
Blaineberry	3875'
Dean Sand	6765'
Wolfcamp	6905'
Wolfcamp Green Shale	6985'
Lower Wolfcamp	7225'
Cisco	7575'
Base Indian Basin Carb.	7895'
Total Depth	7950'

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

Cisco 7900'

4. Proposed casing program: See 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 programs: FDC-CNL, DLL and GR. No coring is planned. Possible DST's in the Glorieta, Wolfcamp and Indian Basin formations.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible after approval (but not later than September 25, 1978).