

Application

HARVEY E. YATES COMPANY
Caviness 10 Federal #4
Section 10, T18S, R33E
Lea County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill the Subject well in Section 10, Township 18 South, Range 33 East, Lea County, New Mexico, Harvey E. Yates Company submits the following ten items of pertinent information in accordance with Bureau of Land Management 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:

Rustler	1605'	Grayburg	4775'
Yates	3060'	San Andres	5140'
Seven Rivers	3485'	Delaware Sand	5840'
Bowers	3970'	Bone Spring	6340'
Queen	4230'	TD	8900'
Penrose	4465'		

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

Bone Spring 6340'
4. Proposed casing program: See Form 3160-3
5. Pressure control equipment: See Exhibit C.
6. Mud program: See Form 3160-3.
7. Auxiliary equipment: Blowout preventer & Hydril
8. Testing, logging and coring programs: We are planning one DST's in the Bone Springs. No coring is anticipated. Planned logs are DLL-Micro w/GR & Caliper, CN-Den w/GR & Caliper.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible.