

Application

HARVEY E. YATES COMPANY
Young Deep Unit #23
Section 9, T-18S, R-32E
Lea County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill the Subject well in Section 9, Township 18 South, Range 32 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	1170'	Penrose	4100'
Yates	2700'	Grayburg	4400'
Seven Rivers	3130'	San Andres	4785'
Bowers	3590'	Bone Springs	6355'
Queen	3860'	TD	9400'

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

Bone Springs 6355'

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
8. Testing, logging and coring programs: We are planning one DST in the Bone Springs formation. We are not planning to do any coring. Planned logs are CNL-FDL w/GR and caliper; DLL-MSFL w/GR and caliper.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible.

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