

## APPLICATION FOR DRILLING

DIAMONDBACK PETROLEUM, INC  
Lyle Federal, Well. 1  
4620' FSL & 990' FWL, Sec. 5-T16s-R30E  
Eddy County, New Mexico  
Lease No. NM-18226  
(Exploratory Well)

In conjunction with Form 9-331c, Application for Permit to Drill subject well, Diamondback Petroleum, Inc. submits the following items of pertinent information in accordance with MMS/BLM

1. The geologic surface formation is recent permian with quaternary alluvium and other surficial deposits.
2. The estimated tops of geologic markers are as follows:

Rustler	1020	
Yates	1190	T.D. 2400
7-Rivers	1350	
Queen	1950	
3. The estimated depth at which anticipated water, oil or gas formations are expected to encountered:

Water:	Possible in random sands from surface to 300'±.
Oil:	Queen formation
Gas:	None expected
4. Proposed Casing Program: See Form 9-331c.
5. Pressure control Equipment: See Form 9-331c, and Exhibit "E"
6. Mud Program: None Proposed
7. Testing, Logging and Coring Program:

Drill Stem Tests:	None planned.
Logging:	Gamma Ray: Surface to TD
	CNL/FDC: Int. Casing to TD
	Dual Laterolog: Int. Casing to TD
Coring:	None
8. No abnormal pressures or temperatures are anticipated. In the event abnormal pressures or waters are encountered the proposed air drilling program will be modified to a mud drilling system.
9. Anticipated starting date: Aug. 1, 1983.  
Anticipated completion of drilling operations: Approx. 10 days.