

F LICATION FOR DRILLING

Yates Petroleum Corporation
Harvey "JI" Federal No. 1
1780' FSL and 1980' FEL
Section 23-T21S-R21E
Eddy County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill subject well, Yates Petroleum Corporation submits the following ten items of pertinent information in accordance with USGS requirements:

1. The geologic surface formation is quaternary alluvium.
2. The estimate tops of geologic markers are as follows:

Glorieta	1437'	LW Canyon	6520'
Tuff	2775'	Strawn	7115'
Abo	3393'	Atoka	7575'
Wolfcamp LS	4521'	Morrow Clastics	7915'
Cisco LS	5865	Mississippi	8315'
		TD	8425'

3. The estimated depths at which anticipated water, oil, or gas formations are expected to be encountered:

Water: Approximately 975' and 1400'

Oil or Gas:	Cisco LS	5865'
	Strawn	7115'
	Atoka	7575'
	Morrow	7915'

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: Kelly Cock; pit level indicators and flow sensor equipment; sub with full-opening valve on floor, drill pipe connection.
8. Testing, Logging and Coring Program:

DST's:	As warranted
Logging:	Mud logging from casing point
Coring:	None CNL-FDC and DLL logs
9. No abnormal pressures or temperatures are indicated.
10. Anticipated starting date: As soon as possible after approval.