

Yates Petroleum Corporation
Murphy NW Federal #1
1980' FSL & 99' FWL
Section 3 T18S R25E
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:

San Andres	725'	Lower Canyon	7379'
Glorieta	2108'	Strawn	7632'
Abo	4072'	Atoka	8039'
Wolfcamp Lime	5355'	Morrow Clastics	8365'
Cisco	6454'	Chester	8510'
		T. D.	8570'

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

Gas: 6450'	Water: Approximately 800' - 1080'
7750'	
7850'	
8350'	

4. Proposed Casing Program: See Form 9-331C.
5. Pressure Control Equipment: See Form 9-331C and Exhibit B.
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: 5100 - T. D. one man unit
Coring: CNL-FDC T. D. to casing with GR-CNL on to surface and DDL longs from T. D. to casing with min. R_xO T. D. to 6250'.
9. No abnormal pressures or temperatures are indicated.
10. Anticipated starting date: As soon as possible after approval.