

APPLICATION FOR DRILL.

SOCORRO PETROLEUM COMPANY
H. E. WEST "B", Well No. 48
2130' FSL & 1980' FEL, Sec. 10-T17S-R31E
Eddy County, New Mexico
Lease No.: LC-029426-B

In conjunction with Form 3160-3, Application for Permit to Drill subject well, Socorro Petroleum Company submits the following items of pertinent information in accordance with BLM requirements:

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

Rustler Anhydrite	560'	Grayburg	3205'
Top of Salt	735'	Premier Sand	3375'
Base of Salt	1720'	San Andres	3515'
Yates	1880'	Lovington Sand	3635'
Seven Rivers	2185'	Lower S.A. "M"	3685'
Queen	2800'	T. D.	4000'

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

Water: Random fresh water from surface to 300' +/-, and water flow from injection wells possible at around 2800'.

Oil: Grayburg at approximately 3205' or below.

Gas: None anticipated.

4. Proposed Casing Program: See Form 3160-3.
5. Proposed Control Equipment: See Form 3160-3.
6. Mud Program: See Form 3160-3.
7. Auxiliary Equipment: Blowout preventer, gas detector, kelly cock, pit level monitor, flow sensors and stabbing valve.
8. Testing, Logging and Coring Program:

Drill Stem Tests: None planned.

Logging: LDT/CNL	T.D. - 1720'
DLL RXO NGT.	T.D. - 1720'
GRN	T.D. - Surface

Coring: None planned.

9. No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered, the proposed mud program will be modified to increase the mud weight.

APD

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10. Anticipated starting date: A S A P
Anticipated completion of drilling operations: 20 DAYS