

# APPLICATION FOR DRILLING

READ & STEVENS, INC.  
Langley Federal, Well No. 5  
1650' FNL & 990' FWL Sec. 14-T15S-R27E  
Chaves County, New Mexico  
Lease No.: NM-2363  
(Development Well)

In conjunction with Form 3160-3, Application for Permit to Drill subject well, Bill Fenn, Inc. submits the following items of pertinent information in accordance with BLM requirements:

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:

Queen	850'	Cisco	6900'
Grayburg	1196'	Canyon	7350'
San Andres	1550'	Strawn	7650'
Glorieta	2600'	Atoka	8250'
Tubb	4250'	Mississippi L/S	8600'
Abo	5050'	T.D.	9100'
Wolfcamp	6150'		
3. The estimated depths at which water, oil or gas formations are anticipated to be encountered:

Water: Surface water between 100' - 350'.

Oil: None expected.

Gas: Atoka below 8250'.
4. Proposed Casing Program: See Form 3160-3.
5. Proposed Control Equipment: See Form 3160-3 and Exhibit "E".
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.

Logging: T.D. to intermediate casing: GR, FDC/CNL, DLL

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.
10. Anticipated starting date: July 1, 1991.  
Anticipated completion of drilling operations: Approximately 35 days.

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