

# APPLICATION FOR DRILLING

Durham, Inc.  
Stinking Draw Federal Well No. 1  
1980' FNL & 660' FWL  
Section 13, T-21-S, R-22-E  
Eddy County, New Mexico

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

1. The geologic surface formation is the Queen.
2. The estimated tops of geologic markers are as follows:

San Andres	328'	Wolfcamp	5110'
Glorieta	1861'	Strawn	7677'
Bone Spring	3310'	Atoka	8430'
Third Bone		Morrow	8796'
Spring			
Sandstone	4870'	Chester	9100'

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

Water: Approximately 200 feet  
Oil or gas: Morrow at approximately 8796' - 9400'

4. Proposed casing program: See Form 9-331C.
5. Pressure control equipment: See Exhibit C.
6. Mud program: See Form 9-331C,
7. Auxiliary equipment: Ram type blowout preventer, annular and rotating type blowout preventers, Kelley cock.
8. Testing, logging and coring programs:  
Electric logging: GR/CNL - FDC; TD - Surf, Guard-Forxo;  
TD - 2000'  
Logging: Mud logging from 4000' to TD  
Coring: None  
Drill Stem Tests: Morrow - 2
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: 1-1-80.

