

APPLICATION FOR DRILLING

George A. Chase Jr.
Superior Federal, Well No. 1
1980' FWL & 2310' FNL, Sec20-T16S-R31E
Eddy County, New Mexico
Lease No. NM-77042
(Re-entry Well)

In conjunction with Form 3160-3, Application to Drill subject well, George A. Chase Jr. submits the following items of pertinent information in accordance with BLM requirements:

1. The estimated tops of important geological markers are as follows:

Top Salt	655'
Base/Salt	1590'
Queen	2618'
Greyburg	2813'
San Andres	3337'
Lovington	3408'

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

Water: Surface water between 545'-555'

Oil: Queen 2913'-2921'
Greyburg 3293'-3335'
San Andres 3337'-3464'
Lovington 3459'-3464'

3. Proposed Control Equipment: See Form 3160-3 and Exhibit "A".
4. Proposed Drilling Equipment and Casing Program: See Form No. 3160-3.
5. Mud Program: Not applicable. Re-entry with cable tool method.
6. Testing, Logging, and Coring Program:
Drill Stem Tests: None.
Logging: Ran Density Log on 12-06-65.
Ran Lane Wells Neutron Lifetime Log on 12-21-65.
Coring: None planned.
7. No abnormal pressures or temperatures, or potential hazards, such as H_2S are anticipated.