

## APPLICATION FOR DRILLING

Ray Westall  
Chi Federal #1  
330' FSL & 330'FWL  
Section 18  
Township 19 South, Range 33 East  
Lea County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill, Ray Westall submits the following ten items of pertinent information in accordance with BLM requirements:

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

Yates	3470'
Delaware	5800'
Bone Springs	7600'
3. The estimated depths at which anticipated water, oil & gas formations are expected to be encountered:

Water	0-180'
Oil & Gas Zones	5800-7600'
4. Proposed casing program: See 3160-3
5. Pressure Control Equipment:  
A 900s BOP will be installed on the 8 5/8" casing and tested prior to drill out.
6. Mud Program:

Fresh water	in surface hole.
Brine	in intermediate hole.
Cut brine	in production hole.
7. Auxiliary Equipment: None
8. Logging Program: CNL/FDC/GR, DLL.
9. No abnormal pressures or temperatures are anticipated. Estimated BHP is 3100#, Estimated BHT is 125 F.
10. Anticipated Starting date: 01/01/01

Duration:	12 Days drilling
	5 Days completion

