

Attachment to Application for Permit to Drill , Form 9-331 C

Federal "Y" Com Well No. 1, 1980' FNL & 1650' FEL  
Section 27, Lea County, New Mexico  
Unit G, T-20-S, R-33-E

1. Location

See attached Form C-102

2. Elevation

See attached Form C-102

3. Geologic name of surface formation.

Quaternary

4. Type of drilling tools and associated equipment to be utilized.

See Form 9-331 C

5. Proposed drilling depth.

See Form 9-331 C

6. Estimated tops of important geologic markers.

Rustler 1450'	Bone Springs 8450'	Atoka 13130'
Yates 3150'	Wolfcamp 11400'	Mid Morrow 13000'
Delaware 5550'	Strawn 12850'	Mississippian 14500'

7. Estimated depths at which anticipated water, oil, gas or other mineral-bearing formations are expected to be encountered.

Morrow 13,900'

8. Proposed casing program, including size, grade, and weight of each string and whether it is new or used.

<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>New or Used</u>
1,500'	13 3/8"	48#	K-55	New
5,600'	9 5/8"	36#	K-55	New
14,500'	5 1/2"	20#	K-55	New

9. Proposed cementing program.

13 3/8" Casing - Sufficient cement to circulate to surface.

9 5/8" Casing - Sufficient cement to tie back to 13 3/8".

5 1/2" Liner - Sufficient cement to tie back to 9 5/8".