

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

Federal Z Com #1
2080' FNL & 760' FEL, Sec. 33, T-17-S R-27-E
Eddy County, New Mexico

1. Location

See attached Form C-102

2. Elevation

See attached Form C-102

3. Geologic name of surface formation.

Permian

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.

| | |
|----------------|---------------|
| Abo 5067' | Atoka 9130' |
| Wolfcamp 6730' | Morrow 9300' |
| Cisco 7620' | Chester 9733' |

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

Morrow 9300'

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> |
|--------------|-------------|---------------|--------------|--------------------|
| 2100' | 8-5/8" | 24# | K-55 | New |
| 9850' | 5-1/2" | 17,20,&23# | K-55 & N-80 | New |

9. Proposed cementing program.

8-5/8" Circulate to surface
5-1/2" Tie back to 8-5/8"