

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.

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>
300'	10-3/4"	48#	K-55	New
2100'	8-5/8"	24#	K-55	New
9850'	5-1/2"	17,20&23#	K-55 & N-80	New

9. Proposed cementing program.

10-3/4" Circulate to surface
8-5/8" Circulate to surface
5-1/2" Tie back to 8-5/8"