

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

Federal AP Com. #1
660' FNL X 1980' FEL, Sec. 35, T-25-S, R-31-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.

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.

Delaware	4719'	Atoka	14289'
Bone Springs	8639'	Morrow	15239'
Wolfcamp	12409'	Barnett	15814'
Strawn	14069'		

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

Wolfcamp	12409'
Morrow	15239'

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>
1000'	16"	65#	H-40	New
4750'	10-3/4"	40.5#	H-40	New
12450'	7-5/8"	26.4#	K-55	New
12000'-15875'	4-1/2"	9.5#	K-55	New

9. Proposed cementing program.

16" - Circulate to surface
10-3/4" - Circulate to surface
7-5/8" - Tie back to 10-3/4"
4-1/2" - Tie back to 7-5/8"