

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

FEDERAL DB #1
1980 FSL x 1980 FEL Sec. 22 T-25-s, R-31-E
Eddy Co., N.M.

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	4300	Strawn	14100
Bone Springs	8300	Atoka	14240
Wolfcamp	11900	Morrow	15200

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

Bone Springs	8300	Stawn	14100
Wolfcamp	11900	Atoka	14240
		Morrow	15200

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>
500	20	94#	K-55	New
4400	13-3/8	54.5#	K-55	New
12000	9-5/8	53.5	S-95	New
11500-14500	7-5/8	48#	N-80	New
14000-15800	4-1/2	13.5#	N-80	New

9. Proposed cementing program.

20"-Circulate to surface
13-3/8" Tie back to 20"
9-5/8"- Cement to 7800', 500' above Bone Springs.
7-5/8"-Circulate
4-1/2"-Circulate