

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

Federal BN #1  
1592' FNL & 444' FEL, Sec. 17, T-22-S R-26-E  
Eddy County, NM

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.

Delaware	2825'	Atoka	10750'
Bone Springs	5150'	Mid Morrow	11300'
Wolfcamp	8795'		
Strawn	10200'		

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

Delaware	2825'	Strawn	10200'
Bone Springs	5150'	Atoka	10750'
Wolfcamp	8795'	Mid Morrow	11300'

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>
700'	13-3/8"	48#	H-40	New
2900'	9-5/8"	40#	K-55	New
11700'	5-1/2"	17#, 20#, 23#	S-95	New

9. Proposed cementing program.

13-3/8"	Circulate to surface
9-5/8"	Circulate to surface
5-1/2"	Tie back to 9-5/8"