

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

Amoco Production Company
Federal CU #1
1980 FNL X 1980 FEL
Sec. 35, T-25-S, R-25-E

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	1670	Penn	10500	Middle Morrow	11460
Bone Springs	5490	Strawn	10800	Barnett Shale	11850
Wolfcamp	8450	Atoka	11020		

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

				Strawn	10800
Delaware	1670	Wolfcamp	8450	Atoka	11020
Bone Spring	5490	Penn	10500	M. Morrow	11460

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>
400'	13-3/8"	46	H-40	New
5500'	9-5/8"	40	N-80	New
11900'	5-1/2"	20, 17	N-80, K-55, S-95	New

9. Proposed cementing program.

13-3/8 Circulate to surface
9-5/8 Tie back to 13-3/8
5-1/2 Tie back to 500' above the Delaware. Approx. 1170'