

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

Amoco Production Company
Federal BS Gas Com. Well No. 1
1980' FSL & 1980' FWL
Sec. 11, T-18-S, R-32-E
Lea 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.

Anhydrite	1230	Bone Springs	6200	Atoka	12250
Yates	2700	Wolfcamp	9650	Morrow	12650
San Andres	4500	Strawn	11950	Morrow Clastics	13000

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

Wolfcamp	9650'	Atoka	12250'
Strawn	11950'	Morrow	12650'

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>
650'	13-3/8"	48#	H-40	New
4900'	9-5/8"	40#	N-80	New
13300'	5-1/2"	17, 20, 23#	N-80	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 9-5/8"