

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

Federal

Amoco Production Company's Greenwood Unit/Well No. 11, Unit L,  
1980' FSL X 660' FWL, Sec 34, T-18-S, R-31-E, Eddy County, NM

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 - 4900'      Wolfcamp - 9782'      Morrow - 10952'      Devonian - 12600'  
Bone Springs - 6490'      Atoka - 10550'      Mississippian - 12000'

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

Bone Springs - 6490'      Devonian - 12600'  
Morrow - 10952'      Atoka - 10550'  
Wolfcamp - 9782'

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>
750'	13 3/8"	54.5#	K-55	New
6500'	9 5/8"	40#	K-55	New
11800'	7"	23#, 26#	K-55	New
11300' to 13300'	5"	18#	K-55	New

9. Proposed cementing program.

13 3/8" csg - Circulate to surface  
9 5/8" csg - Circulate to surface.  
7" csg - Sufficient to tie back to 9 5/8"  
5" csg - sufficient to tie back to 7"