

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

Nellis Federal Well No. 3
Unit F, 1980' FNL X 1980' FWL, Sec. 6, T-19-S, R-33-E, Lea 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.

Rustler 1510'	Wolfcamp 10800'
Queen 4120'	Strawn 12130'
Delaware 5500'	Mid Morrow 13200'
Bone Spring 7560'	Mis Silic - 14000'

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

Delaware 5000'
Wolfcamp 10800'
Mid Morrow 13200'

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>
450'	13 3/8"	54.4#	K-55	New
5000'	9 5/8"	40#	K-55	New
14000'	5 1/2"	15.5#, 17#	K-55	New

9. Proposed cementing program.

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