

To supplement USGS Form 9-331C "Application for Permit to Drill, Deepen or Plugback", the following additional information is submitted to comply with USGS Order NTL-6.

Operator: ARCO Oil & Gas Company, Division of
Atlantic Richfield Company
Lease & Well No: 8 - McIntyre Federal
Location: Unit Letter "K"
Section 17-17S-30E, Eddy County, N.M.
Lease, New Mexico 074936
Development well X Exploratory well _____

1. See Well Location and Acreage Dedication Plat Form C-102.
2. See Form 9-331C for elevation above sea level of unprepared location.
3. The geologic name of the surface formation is: Torripsammit sub-group, (refer to Archaeological Report).

4. The type of drilling tools and associated equipment to be utilized will be: Rotary.

5. The proposed drilling depth will be 11,300'.

6. The estimated tops of important geologic markers are:

Abo	6323'	Strawn	10,140'
Wolfcamp	7460'	Atoka	10,400'
Cisco	8620'	Morrow	10,700'
Canyon	9330'	Mississippian	11,130'

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

Wolfcamp	7460'
Cisco	8620'
Morrow	10700'

8. The proposed casing program including the size, grade and weight-per-foot of each string has been indicated on Form 9-331C. All strings of casing will be New X Used _____.

9. See Form 9-331C for amount of cmt.

Surf - 13-3/8" OD csg will be cemented with RFC cmt w/1/4# flocele & 12# Gilsonite/sk followed by C1 C cmt w/2% CaCl.

Inter - 8-5/8" OD csg will be cmted w/C1 H RFC w/1/4# flocele & 10# gilsonite/sk followed by C1 C cmt w/2% CaCl.

Prod - 5 1/2" OD csg will be cmted w/C1 H cmt w/.2 of 1% retarder, .4 gal/sk FL additives, 2% friction red & 50/50 Lite Poz 3 w/5# gilsonite/sk, 2/10 of 1% D-65 turb reducer & 3#/sk KCL.