

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: J. H. McClure "B" #22
Location: Unit Letter "I"
Section 19-24S-38E, Lea County, N.M.
Lease, New Mexico NM-10189
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: South Plains Alluvium
4. The type of drilling tools and associated equipment to be utilized will be: Rotary.
5. The proposed drilling depth will be 6950'.
6. The estimated tops of important geologic markers are:
2803' Yates 5354' Glorietta
3070' 7 Rivers 5793' Clearfork
3656' Queen 6274' Tubb
4184' San Andres 6650' Drinkard
7. The estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered are:

6224' Tubb Oil
6600' Drinkard Oil

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 cement.
The 8-5/8" OD surface casing will be cmtd w/ 716 sx of "C" cement, 4% gel, 2% CaCl_2 followed by 200 sx of "C" cement containing 2% CaCl_2 . Circ to surf.
The 5 1/2" OD production casing will be cmtd w/ 677 sx of "C" HOWCO Light, 1/4# Flocele/sk followed by 200 sx Class "H" followed by second stage cmtd thru DV tool set @ 3700' w/ 590 sx of "C" Light w/ 1/4# Flocele/sk followed by 200 sx of "H". Circ to surf.