

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 and Gas Company, Division of Atlantic Richfield Company  
Lease & Well No: J. H. McClure "B" #23  
Location: Unit Letter H  
Section 19-24S-38E, Lea County, N.M.  
Lease, New Mexico 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   7050'  .
6. The estimated tops of important geologic markers are:

Yates	2800'	Glorieta	5355'
7Rivers	3070'	Clearfork	5795'
Queen	3660'	Tubb	6275'
San Andres	4185'	Drinkard	6650'

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

Tubb Oil	6275'
Drinkard Oil	6650'

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.

The 8-5/8" OD surface casing will be cemented w/700 sx C1 C cmt cont'g 4% gel, 2% CaCl<sub>2</sub> followed by 150 sx C1 C cmt cont'g 2% CaCl<sub>2</sub>. Circ to surface.

The 5 1/2" OD production casing will be cemented w/800 sx C1 C Light cont'g 1/4#/sk flocele followed by 200 sx C1 H cmt cont'g 2% CaCl<sub>2</sub> followed by 2nd stage thru DV tool @ 3700' w/540 sx C1 C Light cmt cont'g 1/4#/sk flocele followed by 200 sx C1 H cmt cont'g 2% CaCl<sub>2</sub>. Circ to surface.