

## APPLICATION TO DRILL

Maralo, Inc.  
Uncle Sam "13" Federal #1  
Sec. 13, T18S-R32E  
Lea County, New Mexico

In response to questions asked under Section II B of Bulletin NTL-6, the following information is provided for your consideration:

1. Location: 990' FEL, & 1650' FNL Section 13, T18S-R32E, Lea County, New Mexico
2. Elevation Above Sea Level: GL 3844
3. Geologic Name of Surface Formation: Pleistocene Aeolian Deposits
4. Drilling Tools and Associated Equipment: Conventional rotary drilling rig using mud for the circulation medium.
5. Proposed Drilling Depth: 5300'
6. Estimated Geological Marker Tops:

Rustler	1300'	Grayburg	4615'
Top of Salt	1400'	"C" Sand	5000'
Base of Salt	2620'	"D" Sand	5080'
Yates	2670'	"E" Sand	5115'
Seven Rivers	2880'		
Queen	4020'		
7. Possible Mineral Bearing Formation:  
Water bearing-none; Oil bearing-Yates, Queen, Delaware
8. Casing Program:
  - (A) Conductor pipe - 13 3/8" to 40', cement to surface
  - (B) 8 5/8" 24# J-55 ST&C set @ 450', cement with 300 sx class "C" cement 1/4# Flocele/sx + 2% CaCl, circulate cement to surface
  - (C) 5 1/2" 15.5# J-55 ST&C set @ 5300' cement with 320 sx of Halliburton Light, tail in with 250 sx of premium 50/50 Poz mix
9. Setting depth of casing and cement for same:
  - (A) 13 3/8" 54.5# casing set @ 40' cement with ready mix cement to surface.
  - (B) 8 5/8" 24# casing set @ 450' cement with 300 sx Class "C" 1/4# Flocele/sx 2% CaCl, circulate cement to surface.
  - (C) 5 1/2" 15.5# J-55 ST&C casing set @ 5300' cement with 320 sx Halliburton Light, tail in with 250 sx of Premium 50/50 Poz mix (Fill back to 3800').

RECEIVED

JUN 28 1993

G. HOBBS  
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