

5. Rotary drilling equipment will be utilized to drill the well to TD 11,730' and run casing. This equipment will then be rigged down and the well will be completed with a pulling unit.
6. Proposed total depth is 11,730 feet.
7. Estimated tops of important geologic markers:

Delaware	2500'
Dean	8500'
Wolfcamp	8800'
Canyon	9930'
Strawn	10,170'
Cherokee	10,480'
Atoka	10,790'
Morrow	11,070'
Morrow B	11,260'
Morrow A	11,530'
Chester	11,670'

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

Primary Objective: Morrow B - 11,260'  
Morrow A - 11,530'

Secondary Objective: Wolfcamp - 8800'  
Strawn - 10,170'

9. The proposed casing program is as follows:

Surface: 13-3/8" OD 48# H40 ST&C new casing  
Intermediate: 8-5/8" OD 32# & 24# K55 ST&C new casing  
Production: 5-1/2" OD 20# & 17# N80 LT&C new casing

10. Casing setting depth and cementing program.

- A. 13-3/8" OD surface casing set at 400'. Circulate cement with 450 sacks Class C with 6# Gilsomite, 1/4# Flocele, 4% gel and 2% CaCl<sub>2</sub>. If cement does not circulate, determine the top of cement by temperature survey then finish cementing to the surface through 1" in the annulus using Class C with 2% CaCl<sub>2</sub>.
- B. 8-5/8" OD intermediate casing set at approximately 2450' in the Capitan Reef. Circulate cement with 850 sacks TLW, 4% gel, 5# Gilsomite and 1/4# Flocele per sack followed by 200 sacks Class C w/2% CaCl<sub>2</sub>. If cement does not circulate, determine the top of cement by temperature survey then finish cementing to the surface through 1" tubing in the annulus, using Class C w/2% CaCl<sub>2</sub>.