

7. Estimated tops of important geologic markers:

Bone Springs	4030'
Dean Sand	6650'
Wolfcamp	6975'
Cisco	7575'
Canyon	8075'
Strawn	8345'
Atoka	8975'
Bend Lime	9185'
Morrow Clastics	9350'
Chester	9810'
Mississippian Lime	10110'
T.D.	10160'

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

A. Primary Objective:	Cisco Dolomite	7575'
B. Secondary Objective:	Morrow	9350'
	Strawn	8345'

9. The proposed casing program is as follows:

Surface:	13-3/8" OD 48# H-40 ST&C new casing
Intermediate:	8-5/8" OD 24# K-55 ST&C new casing
Production:	5-1/2" OD 17# N-80 LT&C new casing

10. Casing setting depth and cementing program:

- A. 13-3/8" OD surface set at 50'. Set with rat hole machine and fill annulus to surface with Redi Mix cement.
- B. 8-5/8" OD intermediate set at 2500'. Circulate cement with 250 sacks Halco Thick-Set with 10# Gilsonite, 1/2# Flocele/sack and 2% CaCl followed by 800 sacks Halco Lite with 5# Gilsonite and 1/4# Flocele/sack followed by 300 sacks Class "C" with 2% CaCl. If cement does not circulate, determine top of cement by temperature survey then finish cementing to the surface through 1" in the annulus using Class "C" with 2-4% CaCl.
- C. 5-1/2" OD production string set at 10160'. Cement with 900 sacks Class "H" with 0.6% CFR-2 and 5# KCl/sack. Anticipated top of cement 6500'.