- 6. Proposed total depth is 3,850 feet.
- 7. Estimated tops of important geologic markers.

Anhydrite	1160'
Yates	2950'
Seven Rivers	3220'
Queen	3450'
Penrose	3620'
Total Depth	3850 ′

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

Primary Objective: Queen 3450'

9. The proposed casing program is as follows:

Surface: 8-5/8" OD 24# K55 ST&C new casing

Production: 5-1/2" OD 15.5# K55 ST&C new casing

- 10. Casing setting depth and cementing program:
 - A. 8-5/8" OD surface casing set at 400' in 12-1/4" hole. Circulate cement with 260 sacks Class C + 2% CaCl₂ + 0.25 lb/sk cellophane flakes. 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% CaCl₂.
 - B. 5-1/2" OD production casing set @ 3850' in 7-7/8" hole. Circulate Cement with 660 sacks Class C Light + 15 lb/sk salt + 0.25 lb/sk cellophane flakes followed by 150 sx 50/50 Poz/Class H w/ 2% gel + 3 lb/sk KCl + 0.3% Halad 9.

Note: Cement volumes may need to be adjusted to hole caliper.