

7. Estimated tops of important geologic markers:

Delaware	1,800 TVD
Cherry Canyon	2,470 TVD

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

Primary Objective:	Delaware	1,800' TVD
	Cherry Canyon	2,470' TVD

9. The proposed casing program is as follows:

Surface: 13 3/8" 48.8# H40 ST&C new casing set from 0-575'

Intermediate: 8 5/8" 32# J55 ST&C new casing set from 0-1,675'.

2nd Intermediate: 4 1/2" 11.6# N-80 FL-45 set at 3,100'.

10. Casing setting depth and cementing program:

1. 13 3/8" 48.8# H40 surface casing set at 575' in 17 1/2" hole. Circulate cement to surface with 250 sx. BJ Light + 2% CaCl₂ mixed at 12.4 ppg, Yield – 2.0 cf/sk and 150 sx Class C + 2% CaCl₂ mixed @ 14.8 ppg, Yield – 1.32 cf/sk.
2. 8 5/8" 32# J55 casing set at 1,675' in 11 hole. A fluid caliper will be ran to determine exact cement volume required. Cement will be circulated to surface with 300 sx BJ Light + 5% salt at 12.4 ppg, yield – 2.11 cf/sx and 220 sx Class C + 1% CaCl₂ mixed at 14.8 ppg, yield – 1.32 cf/sk.
3. 4 1/2" 11.6# N-80 casing set at 3,100' in 7 7/8" hole. Logs will be ran to determine exact cement volume. Cement will be circulated to 1,300'. Cement with 300 sx Class C, 0.8% FL-62, .3% BA-10, .3% CD-32, .2% SMS Mixed @ 14.8 ppg, yield 1.32.