

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

Primary Objective: Morrow 11650' TVD  
Secondary Objective: Atoka 11400' TVD

9. The proposed casing program is as follows:

Surface: 13-3/8" 48# H40 ST&C new casing set at <sup>400</sup>625'  
Intermediate: 9-5/8" 36# K55 ST&C new casing from 0-4500'  
Production: 5-1/2" 17# N80-S95 LT&C new casing from 0-12400'  
N80-8800' S95-3600'

10. Casing setting depth and cementing program:

- A. 13-3/8" surface casing set at <sup>400</sup>625' in 17-1/2" hole.  
Circulate cement with 350sx 35:65 POZ/C w/ 6% Bentonite + 2% CaCl<sub>2</sub> + .25#/sx Cello-Seal followed by 200sx Class C w/ 2% CaCl<sub>2</sub>.

If cement does not circulate, a temperature survey will be run to find the TOC and then finish cementing to surface through 1" using Class C with 2% CaCl<sub>2</sub>.

- B. 9-5/8" intermediate casing set at 4500' in 12-1/4" hole.  
Circulate cement with 840sx 35:65 POZ/C w/ 6% Bentonite + 2% CaCl<sub>2</sub> + .25#/sx Cello-Seal followed by 200sx Class C w/ 2% CaCl<sub>2</sub>.

If hole conditions dictate, a DV tool may be run to ensure that the intermediate string is cemented to surface.

If cement does not circulate, a temperature survey will be run to find the TOC and then finish cementing to surface through 1" using Class C with 2% CaCl<sub>2</sub>.

Note: Cement volumes may be adjusted according to fluid caliper.

- C. 5-1/2" production casing set at 12400'. Cement with 925sx 15:61:11 POZ/C/CSE w/ .5% FL-25 + .5% FL-52 + 8#/sx Gilsonite followed by 100sx Class C w/ .7% FL-25.

Estimated top of cement is 8000'.

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

11. Pressure Control Equipment

0' - <sup>400</sup>625'

None

<sup>400</sup>625' - 4500'

13-3/8" 3000# annular preventer, to be used as divertor only.