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9. The proposed casing program is as follows:

Surface: 13-3/8" 48 # H40 ST&C new casing set at 400'

Intermediate: 8-5/8" 32# K55 ST&C new casing from 0-1500'

Production: 4-1/2" 11.7# N80 LT&C new casing from 0-8900'

10. Casing setting depth and cementing program:

A. 13-3/8" surface casing set at 400' in 17-1/2" hole. Circulate cement with 160sx 35:65 POZ/C w/ 6% Bentonite + 2%  $CaCl_2$  + .25#/sx Cello-Seal followed by 200sx Class C w/ 2%  $CaCl_2$ .

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. 8-5/8" intermediate casing set at 1500' in 11" hole. Circulate cement with 315sx 35:65 POZ/C w/ 6% Bentonite + 2%  $CaCl_2$  + .25#/sx Cello-Seal followed by 200sx Class C w/ 2%  $CaCl_2$ .

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 $_2$ .

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

C. 4-1/2" production casing set at 8900'. Cement with 615sx 15:61:11 POZ/C/CSE w/ .5% FL-25 + .5% FL-52 + 8#/sx Gilsonite followed by 75sx Class C w/ .7% FL-25.

Estimated top of cement is 5500'.

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

11. Pressure Control Equipment

0' - 400' None

400' - 1500' 11" 5000# ram type preventers with one set blind rams and one set pipe rams and a 5000# annular preventer.

1500' - 8900'

11" 5000# ram type preventers with one set blind rams and one set pipe rams and a 5000# annular type preventer. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system. Rotating head below 6000'. Exhibit A.

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