

- c.) Production Hole (8-3/4" hole X 7" csg): **Two Stage.**

First Stage Lead w/430 sxs Class "H" Lite,
.2% HR-5 (Retarder), **Tail** w/250 sxs Class "H", .4% HALAD-9
(Fluid Loss).

Second Stage Lead w/600 sxs Class "C" Lite, .25 pps Flocele,
Tail w/100 sxs Class "C" + .4% HALAD-9 (Fluid Loss).

DV Tool @ +/- 7000'. (TOC @2500' inside 9-5/8". Volumes estimated
using 100% excess)

- d.) Plugback Cement

+/- 150 sxs Class "H" + .75% CFR-3 (Dispersant), .5 pps D-AIR-1(Defoamer)
.6% HALAD-9 (Fluid Loss).

6. The anticipated characteristics, additives, use, and testing of drilling mud to be employed, along with the types and quantities of mud products to be maintained, shall be given. When air or gas drilling is proposed, the operator shall submit the following specific information:

Mud Program:

0-600': fresh water, gel, and lime system, MW 8.9 - 9.3 ppg.

600'-2900': brine, MW 10.0 - 10.2 ppg

2900'-10,800': fresh water, cut brine mud MW 9.0 - 9.3 ppg

10,800'-13,415' (6-1/8") Pilot Hole & Lateral Section: weighted water base mud
MW 10.0 - 15.0 ppg.

7. The anticipated testing, logging, and coring procedures to be used, including drill stem testing procedures, equipment, and safety measures.

a. DST Program: None Planned

b. Core: None Planned

c. Mud Logging: 2000' to TD

d. Logs to be run: Halliburton CNL/LDT, DIL/SFL, GR, CAL BHC, FMI below 7"
Logs to be run in vertical hole only