

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

**First Stage Lead** w/500 sxs Class "H" 50/50 Poz, 2% Gel (Extender), 3 pps Salt (Accelerator), .3% Halad-322 (Fluid Loss), .25 pps Flocele, **Tail** w/100 sxs Class "H", .5% Halad-322 (Fluid Loss), .3% Halad-344 (Fluid Loss)

**Second Stage Lead** w/400 sxs Class "H" Lite, 5 pps Gilsonite, .25 pps Flocele. **Tail** w/100 sxs Class "C" + .4% HALAD-9 (Fluid Loss).

DV Tool @ +/- 7500'. TOC @ 2600' (inside 9-5/8").

d.) Plugback Cement

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

e.) Liner top cement

DV Tool/ECP @ +/- 11,100'.

100 sxs Class "H" + .5% Halad-322 (Fluid Loss), .4% Halad-344 (Fluid Loss), .2% HR-5 (Retarder)

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'-3060': brine, MW 10.0 - 10.2 ppg

3060'-11,000': cut brine mud MW 9.0 - 9.3 ppg

11,000'-13,214' (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