8-3/4" hole to 11,000'. Set 7", 26#, P-110, LTC, csg @ See Remarks

Note: 7" casing point may vary between 10,250' –11,000' depending on hole conditions. Offset data indicates ability to drill to 11,000' without any mud weight increase (i.e. 9.0 – 10.0 ppm base fluid). Casing needs to be set as close to kick off point as possible to minimize open vertical hole during lateral operations.

6-1/8" Pilot Hole to Vertical Total Depth of 11,450'

Plug Back to Kick-off Point @ ± 11,100'

Target Azimuth = 90 Degrees
Final Inclination = 89 Degrees
Total Vertical Section = 1980'
Total Depth = 13,214' MD, 11,360' TVD

Run 4-1/2" 15.1# P-110 HDL Liner. Hang off in 7" casing with mechanical liner hanger. (Top of liner @ +/- 10,700').

5. The amount and type(s) of cement, including anticipated additives to be used in setting each casing string, shall be described. If stage cementing techniques are to be employed, the setting depth of the stage collars and amount and type of cement, including additives, and preflush amounts to be used in each stage, shall be given. The expected linear fill-up of each cemented string, or each stage when utilizing stage-cementing techniques, shall also be given.

a.) Surface Hole (17-1/2" X **13 3/8" csg**): **Lead** w/300 sxs Class "C" Lite Cmt + 2% CaCl, .25 pps Flocele. **Tail** w/200 sxs Class "C" + 2% CaCl2.

(Circulate cement to surface).

b.) Intermediate Hole (12-1/4" X **9 5/8" csg**): **Single Stage**

Lead w/800 sxs Class "C" Lite + 2% CaCl2 + 5 pps Gilsonite & .25 pps Flocele, **Tail** w/435 sxs Class "C" , 2% CaCl2.

(Circulate cmt to surface).