

30-015-44118

Copperhead Fee 21H

Casing and Cement

<u>String</u>	<u>Hole Size</u>	<u>Csg OD</u>	<u>PPF</u>	<u>Depth</u>	<u>Sx Cement</u>	<u>TOC</u>
Surface	13.5"	10-3/4"	45.5#	950'	400	0'
Intermediate	9-7/8"	7-5/8"	29.7#	10,000'	1075	0'
Production	6-3/4"	5-1/2" x 5" 20# x 18#		16,793'	1350	9000'

Well Plan

Drill 13-1/2" hole to ~950' w/ fresh water spud mud. Run casing to TD and cement to surface in one stage.

Drill 9-7/8" hole to 10,000' with diesel / brine emulsion fluid. Run casing to TD and cement to surface in one stage.

Drill 6-3/4" vertical hole, curve & lateral to 16,793' with diesel/brine and OBM. Run 5-1/2" 20# P110 x 5" 18# P110 tapered casing to TD and cement.

Well Control

3M BOPE for 9-7/8" hole section & 5M BOPE for the 6-3/4" hole section.