

Skull Cap State 4H

Casing and Cement

String	Hole Size	Csg OD	PPF	Depth	Sx Cement	TOC
Surface	17-1/2"	13-3/8"	54.5#	1000'	770	0'
Intermediate	12-1/4"	9-5/8"	40#	5430'	1835	0'
Intermediate / Prod	8-3/4"	7"	29#	12769'	1400	0'
Production Liner	6-1/8"	4-1/2"	13.5#	11800' - 17049'	450	11800'

Well Plan

Drill 17-1/2" hole to ~1000' w/ fresh water spud mud. Run 13-3/8" 54.5# J55 STC casing to TD and cement to surface in one stage. Will use 1" tubing and Class C w/ 2% CaCl₂ to cement to surface, if necessary.

Drill 12-1/4" hole to ~5430' with saturated brine water. Run 9-5/8" 40# L80 LTC casing to TD and cement to surface in one stage.

Drill 8-3/4" vertical hole and curve to 12769' with cut brine. Run 7" 29# HCP110 BTC casing to TD and cement in two stages with DV tool @ ~ 5600' circulating cement on both stages.

Drill 6-1/8" lateral to 17049' with cut brine / brine. Run 4-1/2" 13.5# HCP110 Tenaris TXP BTC liner to TD and cement in one stage circulating cement to top of liner.

Well Control

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	Cameron

OCT 15 2014