Warbler State Com 4H

Casing and Cement

String	Hole Size	Csg OD	PPF	Depth	Sx Cement	TOC
Surface	26”	20”	106.5#	1,775’	2440	0’
Intermediate	17-1/2”	13-3/8”	61#	3,750’	1750	0’
Intermediate	12-1/4”	9-5/8”	40#	5,500’	1560	0’
Production	8-3/4”	5-1/2”	17#	21,077’	1850	5000’

Well Plan

Drill 26” hole to ~1775’ w/ fresh water spud mud. Run 20” 106.5# J55 BTC casing to TD and cement to surface in one stage.

Drill 17-1/2” hole to ~3750’ w/ saturated brine water. Run 13-3/8” 61# J55 BTC casing to TD and cement to surface in one stage.

Drill 12-1/4” hole to ~5500’ with fresh water. Run 9-5/8” 40# J55 & 40# L80 BTC casing to TD with a DV tool placed ~ 100’ above the Reef. Plan to circulate cement on both stages.

Drill 8-3/4” vertical hole, curve & lateral to 21,077’ with cut brine. Run 5-1/2” 17# P110 LTC casing to TD and cement to 5000’ in one stage.

Well Control

After setting 20” casing and installing 3000 psi casing head, NU 20" Cameron BOP. Test annular and casing to 1000 psi and other BOP equipment to 2000 psi.

After setting 13-3/8” casing and installing 5000 psi casing spool, NU 13-5/8" Cameron BOP. Test annular to 1500 psi and other BOP equipment to 3000 psi.