

CEMENTING**Recommended Vendor:**

<u>Casing</u>	<u>Type</u>	<u>Description</u>	<u>TOC</u>	<u>Weight</u>	<u>Yield</u>	<u>Excess</u>	<u>WOC</u>
8-5/8"	Surface	300 sx class "C" + 2 % CaCl ₂	Surface	14.8	1.34	100%	4 hrs

Pilot test cement with rig water for compatibility and final properties prior to job. Take wet and dry samples of all cement slurries. Proceed with 20 bbls fresh water as preflush.

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5-1/2"	Lead.	530 sx 65/35 Poz + 6% Gel	Surface	14.8	1.34	50	---
	Tail	150 sx Class "C" + 10% Salt + 1/4 #/sx celloflakes.	2500'	14.8	1.34	50	24

Proceed cement with 20 bbls FW. Reciprocate casing prior to and during cementing and displacing. Pilot test cement with rig water for compatibility and final properties prior to job. Take wet and dry sample of all cement slurries. Displace cement at 2 BPM with freshwater. Use top and bottom plugs.

Originator: _____ Date: _____
Gary Whetstine, Drilling Engineer

Approved: _____
John Meek, Drilling Engineering Manager