

Time	Event Number	Event/Stage	Amount bbls	Rate bpm	Requested Quantity	Density ppg	Yield ft <sup>3</sup> /sk	Water Rq. gal/sk	Total Water bbls
	1	Start Job	***Pre Pump Iron Inspection. Verify all valves are lined up to pump***						
	4	Fill Lines (Fresh Water)	5	3	N/A	8.33	N/A	N/A	5
		Pressure Test:	500 psi						
	6	Pressure Test:	***Reset Kick Outs to Maximum Job Pressure: 900 psi***						
	10	Pump Fresh Water	40	6	40 bbls	8.33	N/A	N/A	40
18090	13	Pump Lead Cement	527.0	6	1080 sks	11.5	2.74	16.75	431
3960	15	Pump Tail Cement	134.0	6	450 sks	13.5	1.68	8.8	94
48, 11		Shutdown/Wash Pumps	Critical Pressure 879 PSI						
	32	Drop Plug							
	23	Pump Displacement	401	8	401	8.33	N/A	N/A	40
4	4	Slow Rate	Last 10	2	***Adjust rates as needed for job***				
26	26	Pressure to Land Plug:	394	***+500 psi over Final Circulating Pressure***					
4	4	Check Floats							
2	2	End Job							
		Estimated Job Pump Time	2.89 hrs		Total Water For Job (including Wash Up)				
					680 bbls				