

Cement Volumes Calculation									
Production Cement									
Wolf Creek Unit 9 D3									
Well Data									
Surface casing Depth		1200							
Surface casing :		9 5/8" 36#							
Production casing depth		5608 MD							
Production casing size		7" 29#							
		From	to	Length	in casing	in open hole			
Lead Slurry		1000	4608	3608	200	3408			
Tail Slurry		4608	5608	1000	0	1000			
Lead Slurry		ASTM Type III cement + .25 lbs/sk IntegraSeal Fiber + Integra Seal Pheno 3.0 lbs/sk							
		+Sodium Metasilicagte A-2, 0.30 BWOB + Deformer FP-25 0.30 BWOB +							
		FL-66 0.70 BWOB + Cement Extender, Gypsum A-10 2.0 BWOB							
		Weight	12.5 ppg		Yield	2.1341 cf/sk			
Tail Slurry		Class G cement 50% + Pozzolan 50% + Integra Seal Pheno 1.0 lbs/sk + bonding agent BA-90 3.0 lbs/sk							
		+ Deformer FP-25 0.30 BWOB + FL-66 0.40 BWOB + Cement Extender, Gypsum A-10 3.0 BWOB							
		+Sodium Metasilicagte A-2, 0.50 BWOB							
		Weight	13.5 ppg		Yield	1.5043 cf/sk			