

**Anexo II.3-6 - Planilhas de Cimentação**



Cementing Composition			
Phase 30"			
Components	Function	Cementing	
		Conductor	
		Slurry 1	
		Tail Slurry @ 15.8 ppg	
		Code: 8.4.1.KR	
		CONC. (% BWOC) (gal/94 lb sack)	Kg/m <sup>3</sup>
Class G - Cement	Cement	100%	1309,00
DAIR-3000L	Defoamer	0,05 gps	5,4
ECONOLITE L	Extensor		
CaCl <sub>2</sub> L	Accelerator	0,10 gps	10,80
HR-6L	Retarder		
Physico-Chemical Properties			
Weight		1,89	
Salinity		5000	
pH		12	

Phase 20"					
Components	Function	Cementing Surface Casing			
		Slurry 2 (Lead Slurry for Conductor and Surface Casing)		Slurry 3	
		Lead Slurry @ 12.2 ppg		Tail Slurry @ 15.8 ppg	
		Code: 8.4.2.KR		Code: 8.4.3.KR	
		CONC. (% BWOC) (gal/94 lb sack)	Kg/m <sup>3</sup>	CONC. (% BWOC) (gal/94 lb sack)	Kg/m <sup>3</sup>
		Class G - Cement	Cement	100%	632,66
DAIR-3000L	Defoamer	0,05 gps	2,71	0,05 gps	5,40
ECONOLITE L	Extensor	0,80 gps	65,29		
HR-6L	Retarder			0,03 gps	4,22
<b>Physico-Chemical Properties</b>					
<b>Weight</b>			<b>1,46</b>		<b>1,89</b>
<b>Salinity</b>			<b>5000</b>		<b>5000</b>
<b>pH</b>			<b>13</b>		<b>12</b>

Phase 13,375"					
Components	Function	Cementing			
		Intermediate Casing			
		Slurry 4		Slurry 5	
		Lead Slurry @ 13.5 ppg		Tail Slurry @ 15.8 ppg	
		Code: 8.4.4.KR		Code: 8.4.5.KR	
		CONC. (% BWOC) (gal/94 lb sack)	Kg/m <sup>3</sup>	CONC. (% BWOC) (gal/94 lb sack)	Kg/m <sup>3</sup>
Class G - Cement	Cement	100%	870,00	100%	1309,00
DAIR-3000L	Defoamer	0,05 gps	3,61	0,05 gps	5,40
ECONOLITE L	Extensor	0,45 gps	48,89		
HR-6L	Retarder	0,14 gps	13,16	0,10 gps	14,05
HALAD-300 L	Loss fluid	0,28 gps	23,42	0,30 gps	37,52
	Liquido anti fixação	NA	NA	NA	NA
Physico-Chemical Properties					
Weight			1,61		1,89
Salinity			5000		5000
pH			13		12

Phase 9,625" and 7"					
Components	Function	Cementing			
		Production Casing			
		Slurry 6 (Lead Slurry for Prod Casing)		Slurry 7 (Production Casing and Liner)	
		Lead Slurry @ 13.5 ppg		Tail Slurry @ 15.8 ppg	
		Code: 8.4.6.KR		Code: 8.4.7.KR	
CONC. (% BWOC) (gal/94 lb sack)	Kg/m <sup>3</sup>	CONC. (% BWOC) (gal/94 lb sack)	Kg/m <sup>3</sup>		
Class G - Cement	Cement	100%	827	100%	990,60
SSA-1	Strength-Stabilizing Agent	35%	289,45	35%	346,72
DAIR-3000L	Defoamer	0,05 gps	2,59	0,05 gps	4,09
CFR-6L	Dispersant			0,10 gps	10,36
HR-6L	Retarder	0,20 gps	13,47	0,18 gps	19,14
HALAD 300L	Loss fluid	0,25 gps	14,98	0,20 gps	18,93
GASSTOP EXP	Gas control agent			0,10 gps	10,36
BENTONITE	Extensor	4%	33,08		
	Liquido anti fixação	NA	NA	NA	NA
	Agente de ponderação	NA	NA	NA	NA
Physico-Chemical Properties					
Weight			1,61		1,89
Salinity			5000		5000
pH			13		12

\* NA - Não aplicavel