



TABLE 3: CEMENT SUMMARY - VOLADOR-1

Date	Job Description	Hole Size / Depth (m.bdf)	Casing Shoe	Cement Used (mt)	Slurry Weight (S.G.)	Mixwater/ Additives	Remarks
27/12/82	30" csg	36" / 339	332	18 Class G	1.64	Freshwater plus 43 litre/m <sup>3</sup> econolite.	Returns to seabed observed by diving bell
				24 Class G	1.92	Total 15.8 m <sup>3</sup> Neat seawater 10.3 m <sup>3</sup>	<u>Design Figures:</u> <u>Lead:</u> 1.24m <sup>3</sup> slurry/mt cement 0.88m <sup>3</sup> mixwater/mt cement  <u>Tail:</u> 0.76m <sup>3</sup> slurry/mt cement 0.44m <sup>3</sup> water/mt cement
31/12/82	20" csg	26" / 560	551	43.8 Class G	1.54	2% BWOC CaCl <sub>2</sub> 2.5% BWOW bentonite freshwater 42m <sup>3</sup>	Return observed to seafloor
				18 Class G	1.89	Neat Seawater 10m <sup>3</sup>	<u>Design Figures:</u> <u>Lead:</u> 1.46m <sup>3</sup> slurry/mt cement 1.13 m <sup>3</sup> mixwater/mt cement  <u>Tail:</u> 0.76m <sup>3</sup> slurry/mt cement 0.44m <sup>3</sup> water/mt cement
11/1/83	13-3/8" csg	17-1/2" / 1318	1308	33.2 Class G	1.48	3% BWOW bentonite 37m <sup>3</sup> freshwater	TOC 511m
				9.8 Class G	1.9	Seawater 4.3m <sup>3</sup>	<u>Design Figures:</u> <u>Lead:</u> 1.46m <sup>3</sup> slurry/mt cement 1.13m <sup>3</sup> water/mt cement  <u>Tail:</u> 0.76m <sup>3</sup> slurry/mt cement 0.44m <sup>3</sup> water/mt cement
16/1/83	Plug for sidetrack	12-1/4" / 1418	1308	6 Class G	1.9	Neat seawater 2.9m <sup>3</sup>	Plug was set from 1418-1368m to sidetrack around lost drill bit after twist off.
31/1/83	9-5/8" csg	12-1/4" / 2842	2814	48 Class G	1.48	3% BWOW Bentonite, 0.5% HR-7, freshwater 43m <sup>3</sup>	TOC 1158m
				4 Class G	1.9	0.6% BWOC HR-7 in seawater. 2m <sup>3</sup>	<u>Design Figures:</u> <u>Lead:</u> 1.46m <sup>3</sup> slurry/mt cement 1.13m <sup>3</sup> water/mt cement  <u>Tail:</u> 0.76m <sup>3</sup> slurry/mt cement 0.44m <sup>3</sup> water/mt cement
14/3/83	7" liner	8-1/2" / 4404	4404	55 Class G	1.9	0.75% BWOC CFR-2 0.75% BWOC Halad 22A 0.5% BWOC HR-12 Freshwater 24m <sup>3</sup>	<u>Design Figures:</u> 0.76m <sup>3</sup> slurry/mt cement 0.44m <sup>3</sup> water/mt cement
26/3/83	Abandonment Plug 1	6"	4404	3.8 Class G	1.9	0.75% BWOC CFR-2 0.5% BWOC HR-12 Freshwater 1.65m <sup>3</sup>	Plug 1 4600-4500m
26/3/83	Plug 2	6"	4404	5.5 Class G	1.9	0.75% BWOC CFR-2 0.5% BWOC HR-12 2.4m <sup>3</sup> freshwater	Plug 2 4450-4308m (Tag plug with 7MT)
4/4/83	Plug 3	7" liner		2.1 Class G	1.9	0.4% BWOC HR-12 0.75% BWOC CFR-2 1m <sup>3</sup> freshwater	Plug 3 3883-3808m (Tag with 7MT)
11/4/83	Plug 4	7" liner		2.6 Class G	1.9	0.3% BWOC HR-12 0.75% BWOC CFR-2 1.1m <sup>3</sup> freshwater	Plug 4 3719-3619m
12/4/83	Plug 5	7" liner / 9-5/8" csg		9.3 Class G	1.9	Freshwater No additives 4.1m <sup>3</sup>	Plug 5 2684-2499m Tag and test with 12mt
13/4/83	Plug 6	7" liner / 9-5/8" csg		2.6 Class G	1.9	2% BWOC CaCl <sub>2</sub> 1.2m <sup>3</sup> freshwater	Plug 6 373-321m