Cementing Report

Geothermal Resource Group

Well ID: AK-3

Well Name: AK-3

Field: Hot Springs Bay Va Sect: 5 Town: 112W Rng: S005 County: Aleutians East State: AK

Cement Job Information

Start Date/Time:	22-Aug-16 15:30	**Well Bore:**	Original Well Bore
Job Type:	PLUG	**Cementing Engineer:**	
Cementing Co:	MAJOR		

Plug Job Detail

Plug Type:	Drift				
Plug: Top (ft):	120	**Bottom (ft):**	176	**Length (ft):**	56
Calc. Displacement Vol (bbls):		**Hole Size at Plug (ins):**	4.835		

	Volume (bbls)	Pump Time	Rate (bbls/min)	Volume (psi)
Conditioning Data:		15	2.0	50
Cement Data:	1.8	4	0.5	0
Displacement Data:	2.2	4	0.5	0

Slurry Information

Type	Density	Yield	Sacks	Volume	Rate	Additives
OTHER	14.20		10	1.8	0.5	

Post Job Information

Actual Top of Cmt (ft):	172	**Job Success?**	No

Misc. Comments: Mixed and pumped 10 sks of cement in 77 gallons of water as drift plug from 88' to 176', displaced with 77 gallons fresh water.