HALLIBURTON

BILL BARRETT CORPORATION E-BILL
DO NOT MAIL-1099 18TH ST,STE 2300W
DENVER, Colorado

Dutch Lake
Dutch Lake 16-24H

SST/53

Post Job Summary
Cement Surface Casing

Date Prepared: 8/19/12
Version: 1

Service Supervisor: WHEELER, JUSTIN

Submitted by: FRY, DOMINIK

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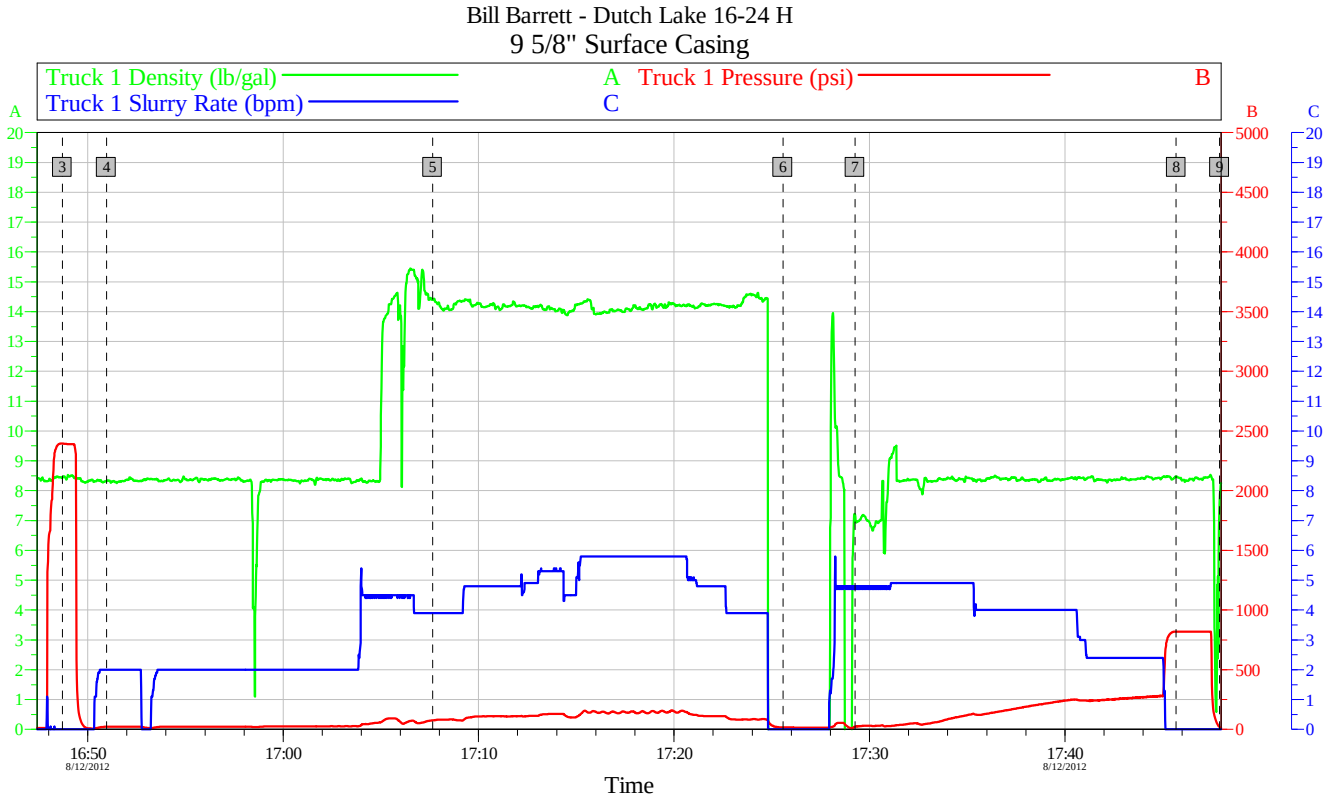
Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	Water Spacer	8.34	4.0	30.0 bbl	30.0 bbl
1	2	Cement Slurry	Surface Varicem 14.2#	14.20	4.0	386.0 sacks	386.0 sacks

Data Acquisition



Global Event Log

Intersection		T1P	T1SR	Intersection		T1P	T1SR	Intersection		T1P	T1SR
3	Test Lines	16:48:42	2394	0.000	4	Pump Dyed Water Spacer	16:50:58	23.00	2.000	5	Pump Cement	17:07:39	75.00	3.900
6	Drop Top Plug	17:25:34	16.00	0.000	7	Pump Displacement	17:29:16	24.00	4.701	8	Bump Plug	17:45:42	820.0	0.000
9	Check Floats, Floats Holding	17:47:55	20.31	0.000										

Customer: Bill Barrett	Job Date: 12-Aug-2012	Sales Order #: 9737959
Well Description: Dutch Lake 16-24 H	UWI:	

OptiCem v6.4.9
12-Aug-12 18:49

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Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)		Comments
08/12/2012 09:30		Depart from Service Center or Other Site							Journey Management Meeting w/ HES Crew, Prior to Leaving Yard
08/12/2012 11:00		Arrive At Loc							
08/12/2012 15:45		Safety Meeting - Pre Rig-Up							Pre-Rig-Up Meeting with HES Crew Prior to Rigging Up (Water Provided By Rig, Tested Ok for Mixing Cement)
08/12/2012 16:48		Test Lines							Pressure Test Lines to 2500 PSI (Top Plug Pre-Loaded in Plug Container)
08/12/2012 16:50		Pump Spacer	2	30				25.0	Pump Fresh Water Spacer (Dye in First 10 BBLS)
08/12/2012 17:07		Pump Cement	4	92				75.0	Mix and Pump 380 sks VariCem Cement @ 14.2 lb/gal (Density Verifed By Pressurized Scales)
08/12/2012 17:25		Drop Top Plug							Shut-Down, Drop Top Plug
08/12/2012 17:29		Pump Displacement - Start	5	0				25.0	Pump Fresh Water Displacement
08/12/2012 17:36		Spacer Returns to Surface	4	25				170.0	Dyed Water Spacer Returns to Surface
08/12/2012 17:42		Cement Returns to Surface	4					265.0	5 BBLS Cement Returns to Surface
08/12/2012 17:45		Pump Displacement - End	2	59.8				300.0	Good Returns Throughout Job
08/12/2012 17:45		Bump Plug	2	59.8				820.0	Bump Plug 500 PSI Over Final Pump Pressure
08/12/2012 17:47		Check Floats							Check Floats, Floats Holding, Returned 1 bbl back to truck
08/12/2012 18:30		Safety Meeting - Pre Rig-Down							Pre-Rig-Down Meeting With HES Crew
08/12/2012 19:00		Safety Meeting - Departing Location							Journey Management Meeting With HES Crew, Prior to Leaving Location

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Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 343492	**Ship To #:** 2945060	**Quote #:**	**Sales Order #:** 9737959
Customer: BILL BARRETT CORPORATION E-BILL		**Customer Rep:** Emerson, Chuck	
Well Name: Dutch Lake	**Well #:** 16-24H		**API/UWI #:** 05-123-33411
Field: WARRENBERG	**City (SAP):** GREELEY	**County/Parish:** Weld	**State:** Colorado
Contractor: SST	**Rig/Platform Name/Num:** 53		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	**Job Type:** Cement Surface Casing		
Sales Person: AARON, WESLEY	**Srvc Supervisor:**	**MBU ID Emp #:**	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
IPSON, TIMOTHY John	0.0	485018	RICHEY, JESSICA L	0.0	525703	WHEELER, JUSTIN W	8.0	196470

Equipment

HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*
11398319	60 mile	11542778	60 mile	11605599	60 mile	11764739	60 mile

Job Hours

Date	*On Location Hours*	Operating Hours	Date	*On Location Hours*	Operating Hours	Date	*On Location Hours*	Operating Hours
TOTAL		*Total is the sum of each column separately*						

Job

Formation Name					
Formation Depth (MD)	**Top**		**Bottom**		
Form Type		**BHST**			
Job depth MD	830. ft	**Job Depth TVD**	830. ft		
Water Depth		**Wk Ht Above Floor**			
Perforation Depth (MD)	*From*		**To**		

Job Times

	Date	Time	Time Zone
Called Out	12 - Aug - 2012	07:00	MST
On Location	12 - Aug - 2012	11:00	MST
Job Started	12 - Aug - 2012	16:48	MST
Job Completed	12 - Aug - 2012	17:48	MST
Departed Loc	12 - Aug - 2012	19:00	MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole				13.5				.	830.	.	830.
Surface Casing	Unknown		9.625	8.921	36.			.	830.	.	830.

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					**Packer**					**Top Plug**			
Float Shoe					**Bridge Plug**					**Bottom Plug**			
Float Collar					**Retainer**					**SSR plug set**			
Insert Float										**Plug Container**			
Stage Tool										**Centralizers**			

Miscellaneous Materials

Gelling Agt		**Conc**		**Surfactant**		**Conc**		**Acid Type**		**Qty**		*Conc*	*%*
Treatment Fld		**Conc**		*Inhibitor*		**Conc**		**Sand Type**		*Size*		*Qty*	

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

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Cementing Job Summary

1	**Water Spacer**		**30.00**	**bbl**	**8.34**	**.0**	**.0**	**.0**	
2	**Surface Varicem 14.2#**	**VARICEM (TM) CEMENT (452009)**	**386.0**	**sacks**	**14.2**	**1.34**	**6.12**		**6.12**
	6.115 Gal	FRESH WATER							

Calculated Values		**Pressures**		**Volumes**					
Displacement		**Shut In: Instant**		**Lost Returns**		*Cement Slurry*		**Pad**	
Top Of Cement		**5 Min**		**Cement Returns**		**Actual Displacement**		**Treatment**	
Frac Gradient		**15 Min**		**Spacers**		**Load and Breakdown**		**Total Job**	

Rates

Circulating		*Mixing*		*Displacement*		**Avg. Job**	

Cement Left In Pipe	**Amount**	***0 ft***	*Reason*	***Shoe Joint***									
Frac Ring # 1 @		*ID*		*Frac ring # 2 @*		*ID*		*Frac Ring # 3 @*		*ID*		*Frac Ring # 4 @*		*ID*	

The Information Stated Herein Is Correct	***Customer Representative Signature***