

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

Siebring 5-63-32-48H

H&P # 278

## **Post Job Summary**

### **Cement Surface Casing**

Date Prepared: 06/06/2012  
Version: 1

Service Supervisor: LAVALLEY, LARRY

Submitted by: PLEIENSS, RYAN

**HALLIBURTON**

# HALLIBURTON

## Wellbore Geometry

Job Tubulars					MD		TVD		Excess	Shoe Joint Length
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	Top ft	Bottom ft	%	ft
Casing	9 5/8" Surface Casing	9.63	8.921	36.00	0.00	1,494.00				46.00
Open Hole Section	13 1/2" Open Hole		13.500		0.00	1,496.00				

## 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	5,000.00	30.0 bbl	30.0 bbl
1	2	Cement Slurry	Surface Varicem 12#	12.00	5.00	350.0 sacks	350.0 sacks
1	3	Cement Slurry	Surface Varicem 14.2#	14.20	5.00	270.0 sacks	270.0 sacks

# HALLIBURTON

## ***Fluids Pumped***

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**Stage/Plug # 1      Fluid 1:**      Water Spacer  
DUMMY MUD / FLUSH / SPACER SBC MATERIAL

Fluid Density: 8.34 lbm/gal  
Fluid Volume: 30.00 bbl  
Pump Rate: 5,000.00 bbl/min

**Stage/Plug # 1      Fluid 2:**      Surface Varicem 12#  
VARICEM (TM) CEMENT

Fluid Weight: 12.00 lbm/gal  
Slurry Yield: 2.19 ft<sup>3</sup>/sack  
Total Mixing Fluid: 12.46 Gal  
Surface Volume: 350.0 sacks  
Sacks: 350.0 sacks  
Estimated Top of Fluid:  
Pump Rate: 5.00 bbl/min

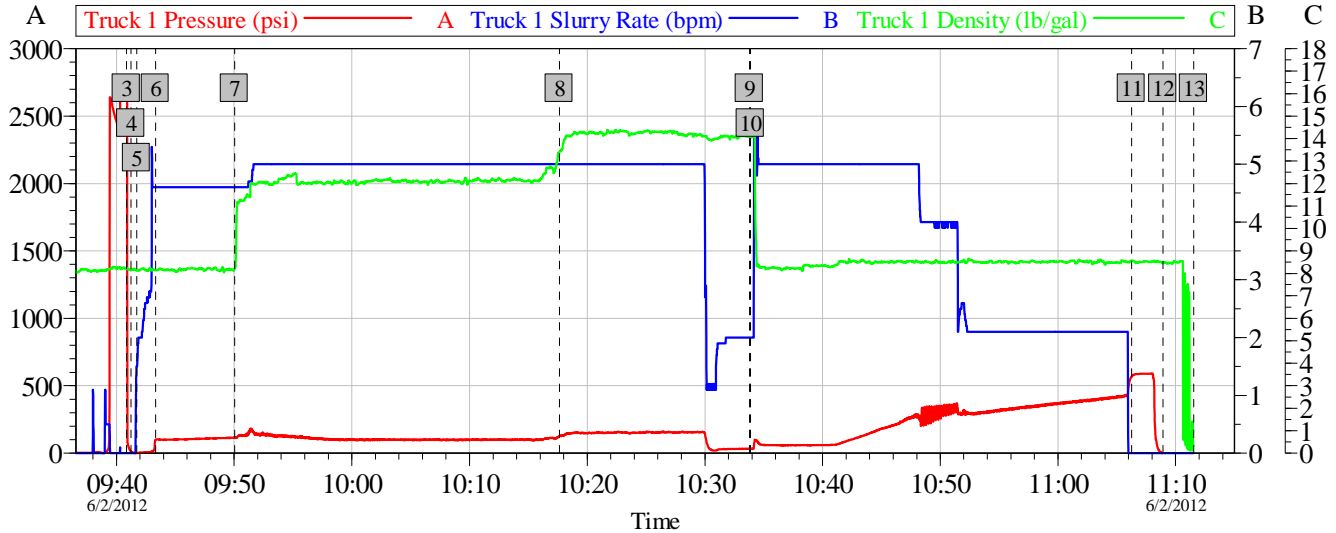
**Stage/Plug # 1      Fluid 3:**      Surface Varicem 14.2#  
VARICEM (TM) CEMENT

Fluid Weight: 14.20 lbm/gal  
Slurry Yield: 1.36 ft<sup>3</sup>/sack  
Total Mixing Fluid: 6.22 Gal  
Surface Volume: 270.0 sacks  
Sacks: 270.0 sacks  
Estimated Top of Fluid:  
Pump Rate: 5.00 bbl/min

# HALLIBURTON

## Data Acquisition

BILL BARRETT SIEBRING 5-63-32-48H  
9.625 INCH SURFACE



Global Event Log											
Intersection			T1P	T1SR	T1D	Intersection			T1P	T1SR	T1D
1	Start Job	08:57:46	217.0	8.100	8.360	2	Starting Job	08:59:37	217.0	8.100	8.360
3	Test Lines	09:40:51	2690	0.000	8.220	4	Test Lines	09:41:15	11.39	0.000	8.140
5	Pump Spacer 1	09:41:43	0.000	1.500	8.140	6	Pump Spacer 1	09:43:19	99.85	4.600	8.160
7	Pump Lead Cement	09:50:02	115.9	4.600	8.200	8	Pump Tail Cement	10:17:38	124.6	5.000	13.40
9	Drop Top Plug	10:33:47	32.00	2.000	14.09	10	Pump Displacement	10:33:52	33.00	2.000	14.12
11	Bump Plug	11:06:15	567.2	0.000	8.560	12	End Job	11:08:56	-0.955	0.000	8.499
13	Ending Job	11:11:32	-6.000	0.000	0.320						

Customer: BILL BARRETT	Job Date: 02-Jun-2012	Sales Order #: 9563490
Well Description: 9.625 INCH SURFACE	THANKS LARRY LAVALLEY AND CREW	

OptiCem v6.4.10  
02-Jun-12 11:13

# HALLIBURTON

## Service Supervisor Reports

### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)	Comments
06/02/2012 09:30		Start Job						
06/02/2012 09:40		Test Lines					2690.0	RIG WATER WITH NO ADDITIVES
06/02/2012 09:43		Pump Spacer 1	5	30			100.0	RIG WATER WITH 2#S RED DYE ADDED
06/02/2012 09:50		Pump Lead Cement	5	136			105.0	350 SKS SURFACE VARICEM MIXED @ 12.0 PPG
06/02/2012 10:17		Pump Tail Cement	5	66			124.0	270 SKS SURFACE VARICEM MIXED @ 14.2 PPG
06/02/2012 10:33		Drop Top Plug						PRELOADED HWE TOP PLUG
06/02/2012 10:33		Pump Displacement	5	112			484.0	RIG WATER WITH NO ADDITIVES
06/02/2012 11:06		Bump Plug	3				567.0	CALCULATED PRESSURE TO LAND WAS 529 PSI. CALCULATED PRESSURE TO LIFT WAS PSI. CAUGHT CEMENT @ 37 BBLS AWAY. 32 BBLS RETURNED TO SURFACE.
06/02/2012 11:08		End Job						

# HALLIBURTON

## The Road to Excellence Starts with Safety

<b>Sold To #:</b> 343492	<b>Ship To #:</b> 2929290	<b>Quote #:</b>	<b>Sales Order #:</b> 9563490
<b>Customer:</b> BILL BARRETT CORPORATION E-BILL		<b>Customer Rep:</b> Bowman, Tawn	
<b>Well Name:</b> Siebring	<b>Well #:</b> 5-63-32-48H	<b>API/UWI #:</b> 05-123-35263-00	
<b>Field:</b> WATTENBERG	<b>City (SAP):</b> KERSEY	<b>County/Parish:</b> Weld	<b>State:</b> Colorado
<b>Contractor:</b> H&P		<b>Rig/Platform Name/Num:</b> #278	
<b>Job Purpose:</b> Cement Surface Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> AARON, WESLEY		<b>Srv Supervisor:</b> LAVALLEY, LARRY	<b>MBU ID Emp #:</b> 419296

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
FLYNN, SHAD Michael	0.0	476484	HOLMES, ANDREW Malcom	0.0	520802	LAVALLEY, LARRY P	0.0	419296
MEADOWS, DANIEL Graham	0.0	500668	REYNOLDS, SCOTT	0.0	123456			

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11398319	45 mile	11488570C	45 mile	11518549	45 mile	11633846C	45 mile
11645065	45 mile	11764739	45 mile				

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
<b>TOTAL</b>								

Total is the sum of each column separately

### Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To
				BHST	1537. ft	1496. ft				

### Job Times

Date	Time	Time Zone
01 - Jun - 2012	00:00	MST
01 - Jun - 2012	21:30	MST
02 - Jun - 2012	09:40	MST
02 - Jun - 2012	11:08	MST
02 - Jun - 2012	11:45	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
13 1/2" Open Hole				13.5				.	1496.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.			.	1494.		

### 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

# HALLIBURTON

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	
1	Water Spacer		30.00	bbl	8.34	.0	42.0	5000.0		
2	Surface Varicem 12#	VARICEM (TM) CEMENT (452009)	350.0	sacks	12.	2.19	12.46	5.0	12.46	
	12.46 Gal	FRESH WATER								
3	Surface Varicem 14.2#	VARICEM (TM) CEMENT (452009)	270.0	sacks	14.2	1.36	6.22	5.0	6.22	
	6.22 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	46 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						