

## ***BILL BARRETT CORPORATION E-BILL***

70 Ranch  
70 Ranch 4-63--3-32H

Neighbors/M/-37

## **Post Job Summary** **Cement Surface Casing**

Date Prepared: 11/02/2012  
Version: 1

Service Supervisor: FANTASIA, JOSEPH

Submitted by: MCKAY, ADAM

**HALLIBURTON**

# HALLIBURTON

## Wellbore Geometry

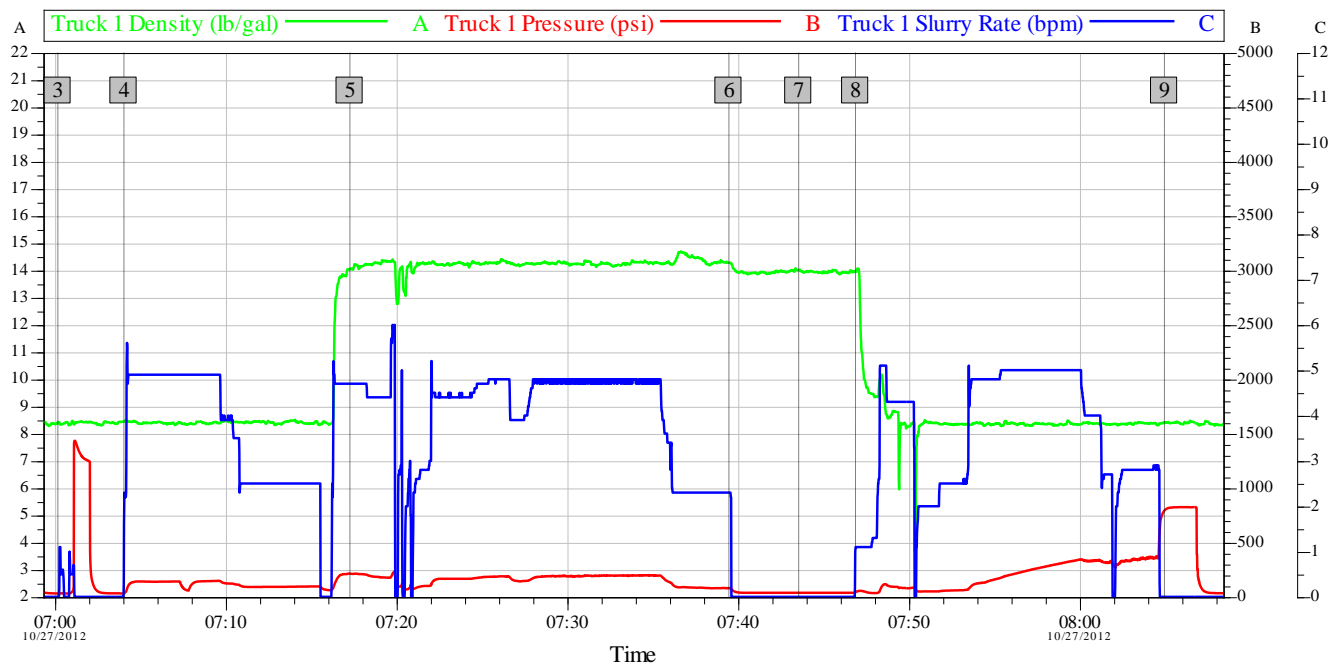
Job Tubulars					MD		TVD		Excess	Shoe Joint Length ft
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	Top ft	Bottom ft	%	
Casing	9 5/8" Surface Casing	9.63	8.921	36.00	0.00	822.00	0.00	822.00		44.00
Open Hole Section	13 1/2" Open Hole		13.500		0.00	827.00	0.00	822.00		

## 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	5.00	40.0 bbl	40.0 bbl
1	2	Cement Slurry	Surface Varicem 14.2#	14.20	5.00	380.0 sacks	380.0 sacks

## Data Acquisition

### BILL BARRETT 70 RANCH 4-63-3-32H SURFACE



#### Global Event Log

1 Starting Job	05:41:59	2 Start Job	05:47:08	3 Test Lines	07:00:11
4 Pump Spacer 1	07:04:03	5 Pump Cement	07:17:17	6 Shutdown	07:39:28
7 Drop Top Plug	07:43:33	8 Pump Displacement	07:46:53	9 Bump Plug	08:04:58
10 End Job	08:15:05	11 Ending Job	08:22:56		

Customer:	Job Date: 27-Oct-2012	Sales Order #: 9916405
Well Description:	UWI:	

OptiCem v6.4.10  
27-Oct-12 08:25

## Service Supervisor Reports

### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)	Comments
10/26/2012 23:00		Arrive at Location from Service Center						
10/26/2012 23:30		Assessment Of Location Safety Meeting						
10/27/2012 06:50		Start Job						
10/27/2012 07:00		Test Lines						PRESSURE TEST LINES TO 3000 PSI
10/27/2012 07:04		Pump Spacer 1	5	40			200.0	40 BBLS WATER SPACER WITH RED DYE ADDED TO LAST 10 BBLS
10/27/2012 07:17		Pump Cement	7	92			310.0	380 SKS SURFACE VARICEM MIXED AT 14.2 PPG USING RIG WATER
10/27/2012 07:39		Shutdown						
10/27/2012 07:43		Drop Top Plug						PLUG PRELOADED
10/27/2012 07:46		Pump Displacement	8	60			140.0	GOOD RETURNS THROUGHOUT. CEMENT TO SURFACCE AT 53 BBLS OUT OF 50 BBLS TOTAL DISPLACEMENT. APPROX 10 BBLS CEMENT TO SURFACE.
10/27/2012 08:04		Bump Plug	3				385.0	PLUG LANDED AT 385 PSI AND BROUGHT TO 800 PSI FOR 3 MIN
10/27/2012 08:07		Check Floats						FLOATS HELD
10/27/2012 08:10		End Job						

# HALLIBURTON

## The Road to Excellence Starts with Safety

<b>Sold To #:</b> 343492		<b>Ship To #:</b> 2941446		<b>Quote #:</b>		<b>Sales Order #:</b> 9916405	
<b>Customer:</b> BILL BARRETT CORPORATION E-BILL				<b>Customer Rep:</b> Crowton, Curtis			
<b>Well Name:</b> 70 Ranch			<b>Well #:</b> 4-63--3-32H			<b>API/UWI #:</b>	
<b>Field:</b> Wattenberg		<b>City (SAP):</b> KERSEY		<b>County/Parish:</b> Weld		<b>State:</b> Colorado	
<b>Lat:</b> N 40.34 deg. OR N 40 deg. 20 min. 22.38 secs.				<b>Long:</b> W 104.416 deg. OR W -105 deg. 35 min. 0.996 secs.			
<b>Contractor:</b> Neighbors			<b>Rig/Platform Name/Num:</b> M-37				
<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>Srvc Supervisor:</b> FANTASIA, JOSEPH			<b>MBU ID Emp #:</b> 485445	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BAMMER, JORDAN Blaine	10.5	526575	FANTASIA, JOSEPH Brandon	10.5	485445	SMITH, AARON David	10.5	518187

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10857012C	45 mile	11410470C	45 mile	11527037	45 mile	12010169	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>			<i>Total is the sum of each column separately</i>					

### Job

Formation Name					<b>Job Times</b>			
Formation Depth (MD)	Top	Bottom			Called Out	Date	Time	Time Zone
<b>Form Type</b>		BHST			<b>On Location</b>	26 - Oct - 2012	20:00	MST
<b>Job depth MD</b>	822. ft	<b>Job Depth TVD</b>	822. ft		<b>Job Started</b>	26 - Oct - 2012	23:30	MST
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>			<b>Job Completed</b>	27 - Oct - 2012	07:00	MST
<b>Perforation Depth (MD)</b>	<i>From</i>	<i>To</i>			<b>Job Completed</b>	27 - Oct - 2012	08:05	MST
					<b>Departed Loc</b>	27 - Oct - 2012	10:00	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
13 1/2" Open Hole				13.5				.	827.	.	822.
9 5/8" Surface Casing	New		9.625	8.921	36.			.	822.	.	822.

### 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**

# HALLIBURTON

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Spacer		40.00	bbl	8.34	.0	.0	.0	
2	Surface Varicem 14.2#	VARICEM (TM) CEMENT (452009)	380.0	sacks	14.2	1.36	6.21		6.21
6.21 Gal		FRESH WATER							
<b>Calculated Values</b>		<b>Pressures</b>		<b>Volumes</b>					
<i>Displacement</i>		Shut In: Instant		Lost Returns		<i>Cement Slurry</i>		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
<b>Rates</b>									
<i>Circulating</i>		<i>Mixing</i>		<i>Displacement</i>		Avg. Job			
Cement Left In Pipe		Amount	44 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					