
BILL BARRETT CORPORATION E-BILL

**Kaufman 32A-24-692
MAMM CREEK
Garfield County , Colorado**

Cement Surface Casing
15-Aug-2011

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 343492		Ship To #: 2871021		Quote #:		Sales Order #: 8383598	
Customer: BILL BARRETT CORPORATION E-BILL				Customer Rep: Henderson, Josh			
Well Name: Kaufman			Well #: 32A-24-692			API/UWI #: 05-045-19913	
Field: MAMM CREEK		City (SAP): SILT		County/Parish: Garfield			State: Colorado
Lat: N 39.516 deg. OR N 39 deg. 30 min. 57.755 secs.				Long: W 107.614 deg. OR W -108 deg. 23 min. 9.15 secs.			
Contractor: ProPetro Services Inc.			Rig/Platform Name/Num: ProPetro				
Job Purpose: Cement Surface Casing							
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: METLI, MARSHALL			Srvc Supervisor: MAGERS, MICHAEL			MBU ID Emp #: 339439	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BORSZICH, STEPHEN A	11	412388	MAGERS, MICHAEL Gerard	11	339439	SINCLAIR, DAN J	11	338784
WILKERSON, JAMES Michael	11	496763						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10829469	120 mile	10867094	120 mile	10872429	120 mile	10897925	120 mile
11360883	120 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
08/15/2011	11	1						

TOTAL	Total is the sum of each column separately							
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Job

Job Times

Formation Name					Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom		Called Out		
Form Type		BHST			On Location	15 - Aug - 2011	12:00 MST
Job depth MD	800. ft	Job Depth TVD	800. ft		Job Started	15 - Aug - 2011	22:03 MST
Water Depth		Wk Ht Above Floor	1. ft		Job Completed	15 - Aug - 2011	23:00 MST
Perforation Depth (MD)	From		To		Departed Loc		

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
12 1/4" Open Hole				12.25				.	830.		
9 5/8" Surface Casing	New		9.625	8.921	36.		J-55	.	820.1		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625	SWAGE	
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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Water Spacer		20.00	bbl	.	.0	.0	.0		
2	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	120.0	sacks	12.3	2.38	13.77		13.77	
	13.77 Gal	FRESH WATER								
3	SwiftCem Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	120.0	sacks	14.2	1.43	6.85		6.85	
	6.85 Gal	FRESH WATER								
4	Displacement		62.00	bbl	.	.0	.0	.0		
Calculated Values		Pressures		Volumes						
Displacement	61.5	Shut In: Instant		Lost Returns	0	Cement Slurry	81.5	Pad		
Top Of Cement	SURFACE	5 Min		Cement Returns	20	Actual Displacement	61.5	Treatment		
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	163	
Rates										
Circulating	NONE	Mixing	5	Displacement	5/2	Avg. Job	5			
Cement Left In Pipe	Amount	45.2 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						

The Road to Excellence Starts with Safety

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Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.516 deg. OR N 39 deg. 30 min. 57.755 secs.		Long: W 107.614 deg. OR W -108 deg. 23 min. 9.15 secs.	
Contractor: ProPetro Services Inc.		Rig/Platform Name/Num: ProPetro	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: METLI, MARSHALL		Srv Supervisor: MAGERS, MICHAEL	MBU ID Emp #: 339439

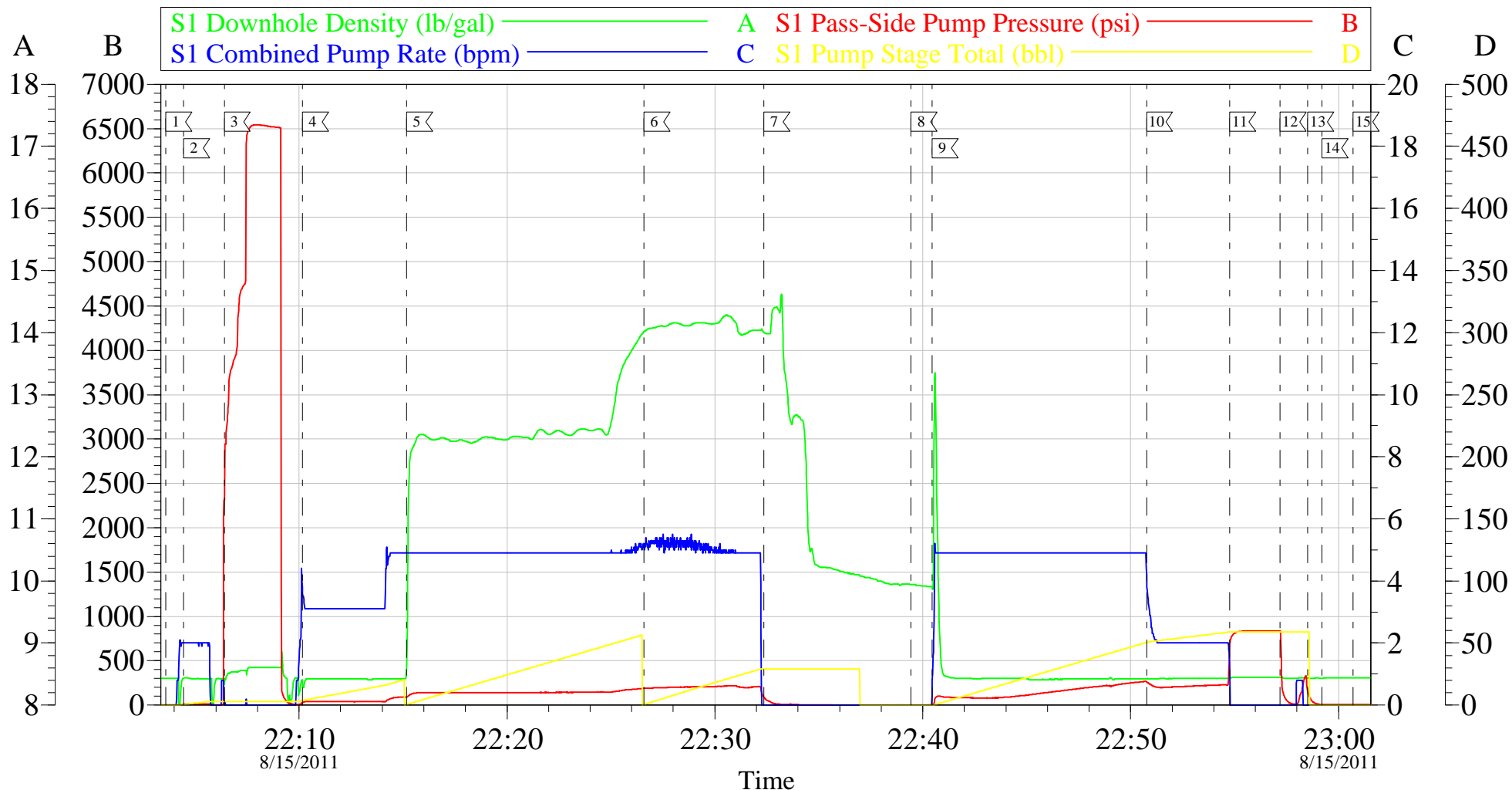
Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive At Loc	08/15/2011 12:00							HES ALREADY ON LOCATION WAITING FOR RIG TO DRILL NEW HOLE AND RUN CASING
Pre-Rig Up Safety Meeting	08/15/2011 21:45							
Rig-Up Equipment	08/15/2011 21:50							TD-830 TP-827.05 SJ-45.2 MW-8.33 CSG-9 5/8 36# J-55 OH-12 1/4"
Safety Huddle	08/15/2011 22:00							HES ALL PRESENT
Start Job	08/15/2011 22:03							
Other	08/15/2011 22:04		2	2			15.0	FILL LINES
Pressure Test	08/15/2011 22:06		0.5	0.5			6400.0	PSI TEST OK
Pump Spacer 1	08/15/2011 22:10		3	20			38.0	FRESH WATER
Pump Lead Cement	08/15/2011 22:15		5	50.9			189.0	VERSACEM 120 SKS 12.3 PPG 2.38 FT3/SK 13.77 GAL/SK
Pump Tail Cement	08/15/2011 22:26		5	30.6			238.0	SWIFTCM 120 SKS 14.2 PPG 1.43 FT3/SK 6.85 GAL/SK GOT RETURNS AT 24 BBLS
Shutdown	08/15/2011 22:32							
Drop Plug	08/15/2011 22:39							PLUG AWAY NO PROBLEMS
Pump Displacement	08/15/2011 22:40		5	61.5			262.0	FRESH WATER /GOT RETURNS BACK AT 10 BBLS

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Slow Rate	08/15/2011 22:50		2	51			204.0	GOT 20 BBLS OF CEMENT TO SURFACE
Bump Plug	08/15/2011 22:54		2	61.5			220.0	BUMPED PLUG
Check Floats	08/15/2011 22:57			61.5			780.0	FLOATS HELD/GOT .5 BBL BACK
Shut In Well	08/15/2011 22:58						250.0	SHUT IN WELL 2" LO-TORC VALVE WITH
Release Casing Pressure	08/15/2011 22:59							RELEASE PRESSURE ON LINE
End Job	08/15/2011 23:00							THANKS FOR USING HES AND THE CREW OF MIKE MAGERS

EVENT #	EVENT	VOLUME	SACKS	WEIGHT	YIELD	GAL/ SK
1	Start Job		1616 <u>Max Psi</u>			
6	Test Lines	5000.0				
9	H2O Spacer	20.0	3 bbls/min			
13	Pump Lead Cement	50.9	120	12.3	2.38	13.77
15	Pump Tail Cement	30.6	120	14.2	1.43	6.85
48	Shut Down					
32	Drop Plug					
23	Pump Frsh Wtr Displacement	61.5	5 bbls/min			
1085	Slow Rate	51.0	2 bbls/min			
26	Bump Plug	206 PSI	Plus	500	Over	706 PSI
511	Check Floats					
2	Release Psi / Job Over					
			Do Not Overdisplace			
DISPLACEMENT	TOTAL PIPE	SHOE JOINT LENGTH		FLOAT COLLAR	BBL/FT	H2O REQ.
61.53	827.05	45.20		781.85	0.0787	170
PSI to Lift Pipe	354	***** <u>Use Mud Scales on Each Tier</u> *****				
Total Displacement	61.53					
CALCULATED DIFFERENTIAL PSI		206		TOTAL FLUID PUMPED		163
Collapse	2020	BURST	3520		SO#	8383598

BILL BARRETT PRO PETRO

9.625 SURFACE



Local Event Log

1 START JOB	22:03:35	2 FILL LINES	22:04:27	3 PRESSURE TEST	22:06:24
4 PUMP H2O SPACER	22:10:10	5 PUMP LEAD CEMENT	22:15:10	6 PUMP TAIL CEMENT	22:26:35
7 SHUT DOWN	22:32:21	8 DROP PLUG	22:39:25	9 PUMP FRSH WTR DISPLACEMENT	22:40:27
10 SLOW RATE	22:50:46	11 BUMP PLUG	22:54:45	12 CHECK FLOATS	22:57:11
13 SHUT IN WELL	22:58:31	14 RELEASE PRESSURE IN LINE	22:59:13	15 END JOB	23:00:42

Customer: BILL BARRETT PRO PETRO
Well Description: KAUFMAN 32A-24-692
Company Rep: JOSH HENDERSON

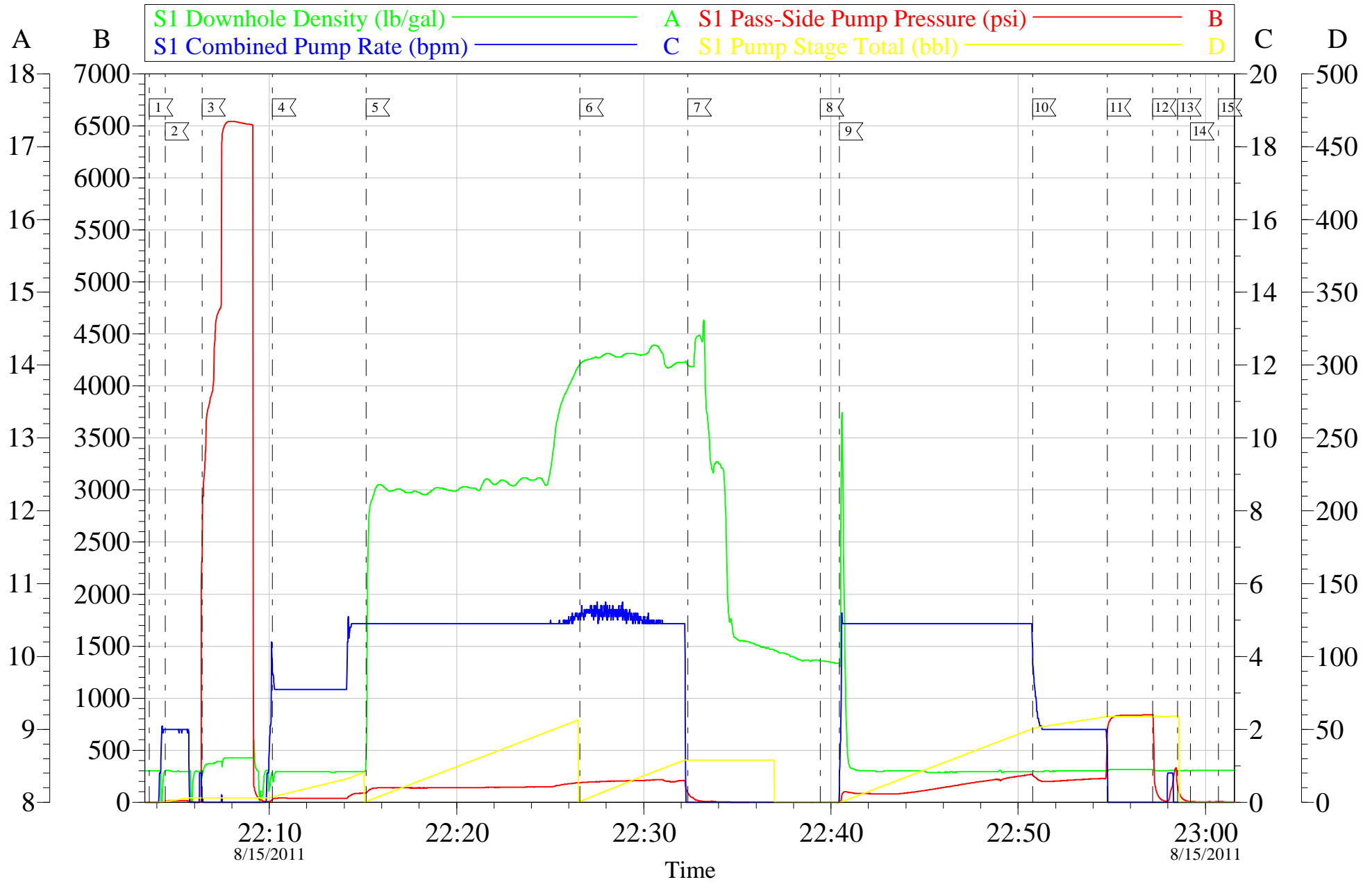
Job Date: 15-Aug-2011
Job Type: SURFACE
Cement Supervisor: MIKE MAGERS

Sales Order #: 8383598
ADC Used: YES
Elite #: 7 DAN SINCLAIR

OptiCem v6.3.4
15-Aug-11 23:19

BILL BARRETT PRO PETRO

9.625 SURFACE



Customer: BILL BARRETT PRO PETRO
 Well Description: KAUFMAN 32A-24-692
 Company Rep: JOSH HENDERSON

Job Date: 15-Aug-2011
 Job Type: SURFACE
 Cement Supervisor: MIKE MAGERS

Sales Order #: 8383598
 ADC Used: YES
 Elite #: 7 DAN SINCLAIR

OptiCem v6.3.4
 15-Aug-11 23:19

Sales Order #: 8383598	Line Item: 10	Survey Conducted Date: 8/15/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH HENDERSON		API / UWI: (leave blank if unknown) 05-045-19913
Well Name: Kaufman		Well Number: 32A-24-692
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

Dear Customer,

We hope that you were satisfied with the service quality of this job performed by Halliburton. It is the aim of our management and service personnel to deliver equipment and service of a standard unmatched in the service sector of the energy industry.

Please take the time to let us know if our performance met with your satisfaction. Please be as critical as possible to ensure we constantly improve our service. Your comments are of great value to us and are intended for the exclusive use of Halliburton.

CUSTOMER SATISFACTION SURVEY

CATEGORY	CUSTOMER SATISFACTION RESPONSE	
Survey Conducted Date	The date the survey was conducted	8/15/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	MICHAEL MAGERS (HX13672)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	JOSH HENDERSON
HSE	Was our HSE performance satisfactory? Circle Y or N	Yes
Equipment	Were you satisfied with our Equipment? Circle Y or N	Yes
Personnel	Were you satisfied with our people? Circle Y or N	Yes
Customer Comment	Customer's Comment	
Job DVA	Did we provide job DVA above our normal service today? Circle Y or N	No
Time	Please enter hours in decimal format to nearest quarter hour.	
Other	Enter short text for other efficiencies gained.	
Customer Initials	Customer's Initials	
Please provide details	Please describe how the job efficiencies were gained.	

CUSTOMER SIGNATURE

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Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	8/15/2011
The date the survey was conducted	

Cementing KPI Survey	
Type of Job	0
Select the type of job. (Cementing or Non-Cementing)	
Select the Maximum Deviation range for this Job	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	1.5
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
HSE Incident, Accident, Injury	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
Was the job purpose achieved?	Yes
Was the job delivered correctly as per customer agreed design?	
Operating Hours (Pumping Hours)	1
Total number of hours pumping fluid on this job. Enter in decimal format.	
Customer Non-Productive Rig Time (hrs)	0
Lost time due to Halliburton in the start, execution, or completion of an ordered service or product, or delays in a follow-on service. Enter in decimal format. 0 if none.	
Type of Rig Classification Job Was Performed	Workover
Type Of Rig (classification) Job Was Performed On	
Number Of JSAs Performed	4
Number Of Jsas Performed	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Was this a Primary Cement Job (Yes / No)	Yes

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Well Name: Kaufman		Well Number: 32A-24-692
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs?	Top
Mixing Density of Job Stayed in Designed Density Range (0-100%) Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	94
Was Automated Density Control Used? Was Automated Density Control (ADC) Used ?	Yes
Pump Rate (percent) of Job Stayed At Designed Pump Rate Pump Rate range defined as +/- 1bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped, multiplied by 100	95
Nbr of Remedial Sqz Jobs Rqd - Competition Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
Nbr of Remedial Plug Jobs Rqd - HES Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
Nbr of Remedial Sqz Jobs Rqd - HES Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0