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# **BILL BARRETT CORPORATION E-BILL**

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**SCOTT 44C-25-692  
MAMM CREEK  
Garfield County , Colorado**

**Plug Service - Whipstock  
09-May-2012**

**Post Job Summary**

## The Road to Excellence Starts with Safety

<b>Sold To #:</b> 343492		<b>Ship To #:</b> 2908839		<b>Quote #:</b>		<b>Sales Order #:</b> 9502084	
<b>Customer:</b> BILL BARRETT CORPORATION E-BILL				<b>Customer Rep:</b> Crow, Cecil			
<b>Well Name:</b> SCOTT			<b>Well #:</b> 44C-25-692			<b>API/UWI #:</b> 05-045-21251	
<b>Field:</b> MAMM CREEK		<b>City (SAP):</b> SILT		<b>County/Parish:</b> Garfield		<b>State:</b> Colorado	
<b>Lat:</b> N 39.492 deg. OR N 39 deg. 29 min. 32.467 secs.				<b>Long:</b> W 107.606 deg. OR W -108 deg. 23 min. 40.02 secs.			
<b>Contractor:</b> PATTERSON 313			<b>Rig/Platform Name/Num:</b> PATTERSON 313				
<b>Job Purpose:</b> Plug Service - Whipstock							
<b>Well Type:</b> Development Well			<b>Job Type:</b> Plug Service - Whipstock				
<b>Sales Person:</b> METLI, MARSHALL			<b>Srv Supervisor:</b> TRIPLETT, MICHEAL			<b>MBU ID Emp #:</b> 447908	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BLANCHETTE, JAMES George	10	371360	BURKE, BRENDAN Patrick	10	487782	HARDRICK, RAYMOND Frank	10	391324
TRIPLETT, MICHEAL Anthony	10	447908	WEAVER, CARLTON Russell	10	457698			

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10011429	60 mile	11542767	60 mile	11583932	60 mile	11808835	60 mile

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
05/08/12	2.5		5/09/12	8	3			

<b>TOTAL</b>	Total is the sum of each column separately							
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### Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	08 - May - 2012	16:00	MST
Form Type	BHST		Job Started	08 - May - 2012	21:30	MST
Job depth MD	1107. ft	Job Depth TVD	Job Completed	09 - May - 2012	05:00	MST
Water Depth		Wk Ht Above Floor	Job Completed	09 - May - 2012	06:50	GMT
Perforation Depth (MD)	From	To	Departed Loc	09 - May - 2012	08:00	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
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### 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	

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom	

Stage/Plug #: 1									
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		100.00	bbl	8.33	.0	.0	4.0	
2	Tail Cement	PLUGCEM (TM) SYSTEM (452969)	155.0	sacks	17.	.99	3.77	2.0	3.77
0.5 %		CFR-3, W/O DEFOAMER, 50 LB SK (100003653)							
3.77 Gal		FRESH WATER							
3	Displacement		9.00	bbl	8.33	.0	.0	2.0	
Calculated Values		Pressures		Volumes					
Displacement	9.4	Shut In: Instant		Lost Returns	0	Cement Slurry	27.3	Pad	
Top Of Cement	750	5 Min		Cement Returns	0	Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers	0	Load and Breakdown		Total Job	240
Rates									
Circulating	4	Mixing	2	Displacement	2	Avg. Job	3		
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					

*The Road to Excellence Starts with Safety*

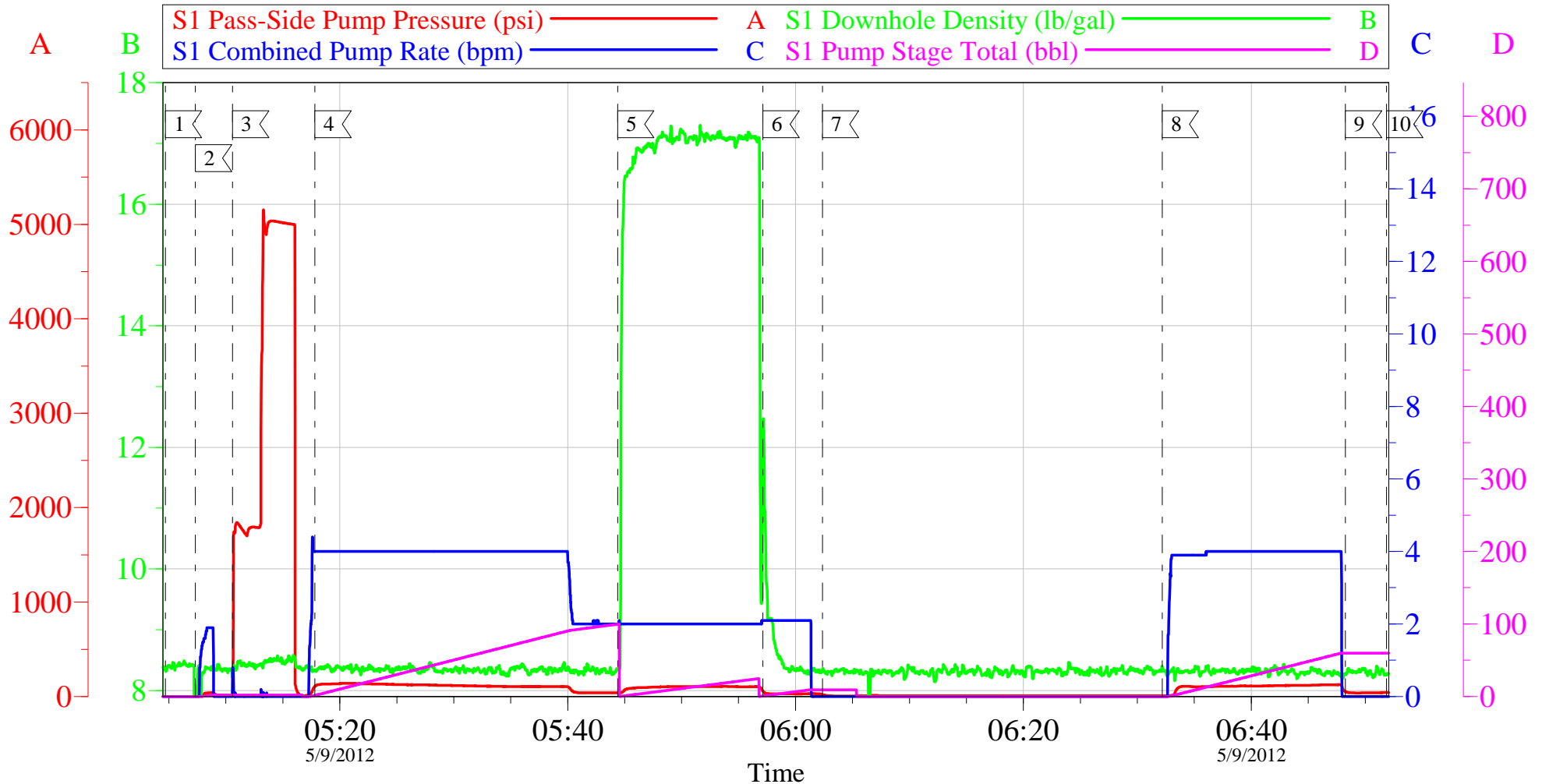
<b>Sold To #:</b> 343492	<b>Ship To #:</b> 2908839	<b>Quote #:</b>	<b>Sales Order #:</b> 9502084
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<b>Well Name:</b> SCOTT	<b>Well #:</b> 44C-25-692	<b>API/UWI #:</b> 05-045-21251	
<b>Field:</b> MAMM CREEK	<b>City (SAP):</b> SILT	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Legal Description:</b>			
<b>Lat:</b> N 39.492 deg. OR N 39 deg. 29 min. 32.467 secs.		<b>Long:</b> W 107.606 deg. OR W -108 deg. 23 min. 40.02 secs.	
<b>Contractor:</b> PATTERSON 313		<b>Rig/Platform Name/Num:</b> PATTERSON 313	
<b>Job Purpose:</b> Plug Service - Whipstock			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Plug Service - Whipstock	
<b>Sales Person:</b> METLI, MARSHALL		<b>Srvc Supervisor:</b> TRIPLETT, MICHEAL	<b>MBU ID Emp #:</b> 447908

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	05/08/2012 16:00							KICKOFF PLUG, BILL BARRETT SCOTT 44C-25-692
Pre-Convoy Safety Meeting	05/08/2012 18:30							ENTIRE CREW, OBSERVE ALL SAFE DRIVING PROCEDURES.
Arrive At Loc	05/08/2012 21:30							RIG STLL RUNNING TUBING, WAITING ON TOOLS TO ARRIVE TO LOCATION
Assessment Of Location Safety Meeting	05/08/2012 21:40							REVIEWED EMERGENCY PLAN, ASSESSED WORK AREA AND SPOTTED EQUIPMENT.
Pre-Rig Up Safety Meeting	05/08/2012 21:50							ENTIRE CREW, WALKED THROUGH RIG UP LOOKING FOR HAZARDS.
Rig-Up Equipment	05/08/2012 22:00							1 PICK UP, 1 HT400 PUMP TRUCK, 1 BODY LOAD CEMENT TRUCK,
Pre-Job Safety Meeting	05/09/2012 04:50							ENTIRE CREW, CO REP AND RIG CREW.
Start Job	05/09/2012 05:04							DRILL PIPE @ 1107', 4.5" 11.6# TUBING IN 9 5/8" CASING TO 724', THEN 8 3/4" OPEN HOLE TO 1109', CIRCULATED WELL OUT BEFORE PUMPING CEMENT TO CLEAR MUD.

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Water	05/09/2012 05:07		2	2			45.0	FILL LINES BEFORE TESTING
Pressure Test	05/09/2012 05:10						5000.0	PRESSURE HELD LOST 30 PSI IN TWO MINUTES
Pump Spacer	05/09/2012 05:17		4	100			130.0	PUMP FRESHWATER AHEAD TO CLEAR ANNULAS OF MUD.
Pump Tail Cement	05/09/2012 05:44		3	27.3			130.0	155 SKS PLUGCEM, 17.0 PPG, 0.99 CUFT/SK, 3.77 GAL/SK,
Pump Displacement	05/09/2012 05:57		3	9.4			33.0	FRESH WATER CAUGHT PRESSURE WITH 8 BBLS GONE, SLOWED TO .2 BPM
Shutdown	05/09/2012 06:02							SHUTDOWN RIG WILL PULL 4 STAND AT 50 FT/MIN UNTIL OUT OF PLUG. THEN HOOK BACK UP AND CIRCULATE WELL OUT.
Reverse Circ Well	05/09/2012 06:32		4	70			124.0	HALLIBURTON CIRCULATED WELL FOR 70 BBLS PER COMPANY REP.
End Job	05/09/2012 06:51							GOOD RETRNS THROUGHOUT JOB, DRILL PIPE PULLED DRY, GOT A TRACE OF CEMENT BACK. 6 ADDITIONAL HOURS ADDED, NO DERRICK CHARGE, NO SUGAR USED.
Post-Job Safety Meeting (Pre Rig-Down)	05/09/2012 06:55							ENTIRE CREW
Rig-Down Equipment	05/09/2012 07:00							
Pre-Convoy Safety Meeting	05/09/2012 07:55							ENTIRE CREW, OBSERVE ALL SAFE DRIVING PROCEDURES
Crew Leave Location	05/09/2012 08:00							THANK YOU FOR USING HALLIBURTON, MIKE TRIPLETT AND CREW.

# BILL BARRETT - SCOTT 44C-25-692

PLUG



## Local Event Log

1 START JOB	05:04:41	2 FILL LINES	05:07:19	3 PRESSURE TEST	05:10:35
4 START H2O SPACER	05:17:49	5 START CEMENT	05:44:23	6 START DISPLACEMENT	05:57:09
7 SHUTDOWN	06:02:22	8 CIRCULATE HOLE	06:32:11	9 SHUTDOWN	06:48:16
10 END JOB	06:51:52				

Customer: BILL BARRETT  
Well Description: SCOTT 44C-25-692  
Company Rep: CECIL CROW

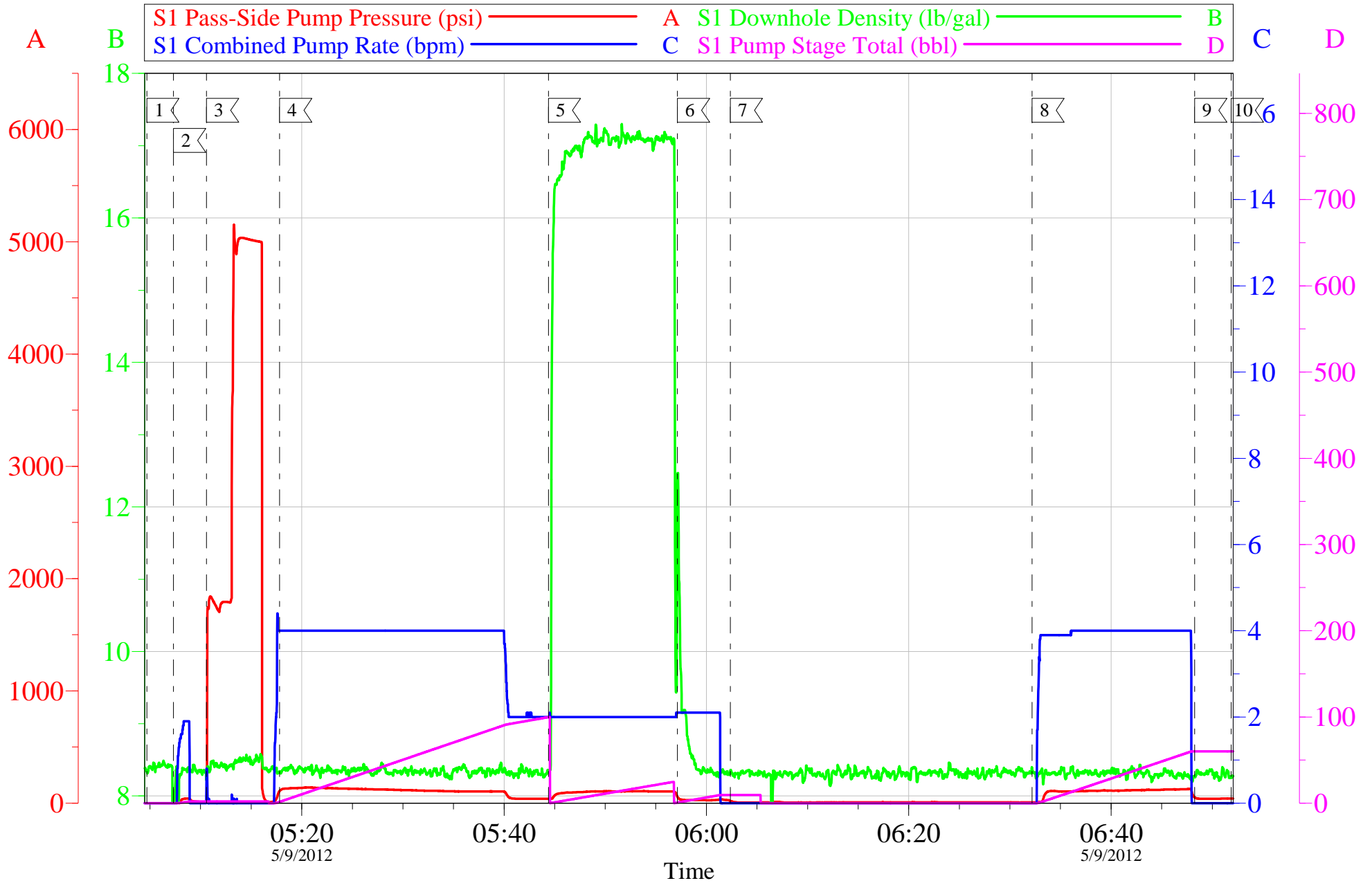
Job Date: 09-May-2012  
Job Type: PLUG  
Cement Supervisor: MIKE TRIPLET

Sales Order #: 9502084  
ADC Used: YES  
Elite #1: BRENDEN BURKE

OptiCem v6.4.9  
09-May-12 07:05

# BILL BARRETT - SCOTT 44C-25-692

PLUG



Customer: BILL BARRETT  
Well Description: SCOTT 44C-25-692  
Company Rep: CECIL CROW

Job Date: 09-May-2012  
Job Type: PLUG  
Cement Supervisor: MIKE TRIPLET

Sales Order #: 9502084  
ADC Used: YES  
Elite #1: BRENDEN BURKE

OptiCem v6.4.9  
09-May-12 07:05

<b>Sales Order #:</b> 9502084	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 5/9/2012
<b>Customer:</b> BILL BARRETT CORPORATION E-BILL		<b>Job Type (BOM):</b> CMT WHIPSTOCK PLUG BOM
<b>Customer Representative:</b> CECIL CROW		<b>API / UWI: (leave blank if unknown)</b> 05-045-21251
<b>Well Name:</b> SCOTT		<b>Well Number:</b> 44C-25-692
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> 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	5/9/2012
Survey Interviewer	The survey interviewer is the person who initiated the survey.	MICHEAL TRIPLETT (HB15721)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	CECIL CROW
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	EXCELLENT JOB!!

CUSTOMER SIGNATURE



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<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

### KEY PERFORMANCE INDICATORS

General	
<b>Survey Conducted Date</b>	5/9/2012
The date the survey was conducted	

Cementing KPI Survey	
<b>Type of Job</b>	0
Select the type of job. (Cementing or Non-Cementing)	
<b>Select the Maximum Deviation range for this Job</b>	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
<b>Total Operating Time (hours)</b>	4
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
<b>HSE Incident, Accident, Injury</b>	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
<b>Was the job purpose achieved?</b>	Yes
Was the job delivered correctly as per customer agreed design?	
<b>Operating Hours (Pumping Hours)</b>	3
Total number of hours pumping fluid on this job. Enter in decimal format.	
<b>Customer Non-Productive Rig Time (hrs)</b>	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.	
<b>Type of Rig Classification Job Was Performed</b>	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
<b>Number Of JSAs Performed</b>	7
Number Of Jsas Performed	
<b>Number of Unplanned Shutdowns</b>	0
Unplanned shutdown is when injection stops for any period of time.	
<b>Was this a Primary Cement Job (Yes / No)</b>	No

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<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
<b>Was this a Plug or a Squeeze Job?</b> Please select the appropriate choice	Yes
<b>Was this a Primary or a Remedial Job?</b> Kick off plug, Plug to Abandon, LCM plug or Planned Liner Top Squeeze, Squeeze of existing perforations, Squeeze of casing leak	Yes
<b>Mixing Density of Job Stayed in Designed Density Range (0-100%)</b> Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	95
<b>Was Automated Density Control Used?</b> Was Automated Density Control (ADC) Used ?	Yes
<b>Pump Rate (percent) of Job Stayed At Designed Pump Rate</b> 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
<b>Nbr of Remedial Sqz Jobs Rqd - Competition</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
<b>Nbr of Remedial Plug Jobs Rqd - HES</b> Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
<b>Nbr of Remedial Sqz Jobs Rqd - HES</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0