

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

CBS 31B-21-692

PROPETRO

Post Job Summary **Cement Surface Casing**

Prepared for: CASEY LAUER
Date Prepared: 11/7/2011
Version: 1

Service Supervisor: JAMISON, PRICE

Submitted by:

HALLIBURTON

The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 2889245	Quote #:	Sales Order #: 9043540
Customer: BILL BARRETT CORPORATION E-BILL		Customer Rep: Lauer, Casey	
Well Name: CBS		Well #: 31B-21-692	API/UWI #: 05-045-20122
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Lat: N 39.519 deg. OR N 39 deg. 31 min. 6.802 secs.		Long: W 107.561 deg. OR W -108 deg. 26 min. 19.374 secs.	
Contractor: PROPETRO		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: JAMISON, PRICE	MBU ID Emp #: 229155

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DEUSSEN, EDWARD Eric	9.5	485182	JAMISON, PRICE W	9.5	229155	JENSEN, SHANE Lynn	9.5	441759
VANALSTYNE, TROY L	9.5	420256						

Equipment

HES Unit #	Distance-1 way						
10784064	120 mile	11006314	120 mile	11560046	120 mile	11562538	120 mile
11583934	120 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
11/7/11	9.5	3						

TOTAL *Total is the sum of each column separately*

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)				07 - Nov - 2011	06:00	MST
Form Type		BHST	On Location	07 - Nov - 2011	13:00	MST
Job depth MD	820.4 ft	Job Depth TVD	Job Started	07 - Nov - 2011	19:36	MST
Water Depth		Wk Ht Above Floor	Job Completed	07 - Nov - 2011	20:21	MST
Perforation Depth (MD)	From	To	Departed Loc	07 - Nov - 2011	21:30	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				12.25				.	840.	.	840.
SURFACE CASING	Unknown		9.625	8.921	36.		J-55	.	820.4	.	820.4

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			
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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	WATER SPACER		20.00	bbl	8.4	.0	.0	6.0	
2	VersaCem	VERSACEM (TM) SYSTEM (452010)	120.0	sacks	12.3	2.38	13.77	6.0	13.77
	13.77 Gal	FRESH WATER							
3	SwiftCem	SWIFTCEM (TM) SYSTEM (452990)	120.0	sacks	14.2	1.43	6.85	6.0	6.85
	6.85 Gal	FRESH WATER							
4	DISPLACEMENT		60.00	bbl	8.4			6.0	
Calculated Values		Pressures		Volumes					
Displacement	60	Shut In: Instant		Lost Returns	NO	Cement Slurry	81.5	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	24	Actual Displacement	60	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	160
Rates									
Circulating	NONE	Mixing	6	Displacement	6	Avg. Job			6
Cement Left In Pipe	Amount	44.15 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:			
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Contractor: PROPETRO		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		Srvc Supervisor: JAMISON, PRICE	MBU ID Emp #: 229155

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	11/07/2011 03:00							TD 840 HOLE SIZE 12.25 TP 820.36 CASING 9.625 36 # J- 55 SHOE JOINT 44.15 NO MUD AIR MIST DRILLED
Depart Yard Safety Meeting	11/07/2011 10:50							
Crew Leave Yard	11/07/2011 11:00							
Arrive At Loc	11/07/2011 13:00							
Assessment Of Location Safety Meeting	11/07/2011 13:10							
Pre-Rig Up Safety Meeting	11/07/2011 18:00							
Pre-Job Safety Meeting	11/07/2011 19:00							
Start Job	11/07/2011 19:36							
Prime Pumps	11/07/2011 19:36		2	2			.0	FRESH WATER
Test Lines	11/07/2011 19:38						5000. 0	
Pump Spacer 1	11/07/2011 19:40		6	20			57.0	FRESH WATER
Pump Lead Cement	11/07/2011 19:46		6	50.9			87.0	MIXED @ 12.3 PPG YIELD 2.38 WAT/REQ 13.77 120 SKS
Pump Tail Cement	11/07/2011 19:55		6	30.6			123.0	MIXED @ 14.2 PPG YIELD 1.43 WAT/REQ 6.85 120 SKS
Shutdown	11/07/2011 20:02							
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

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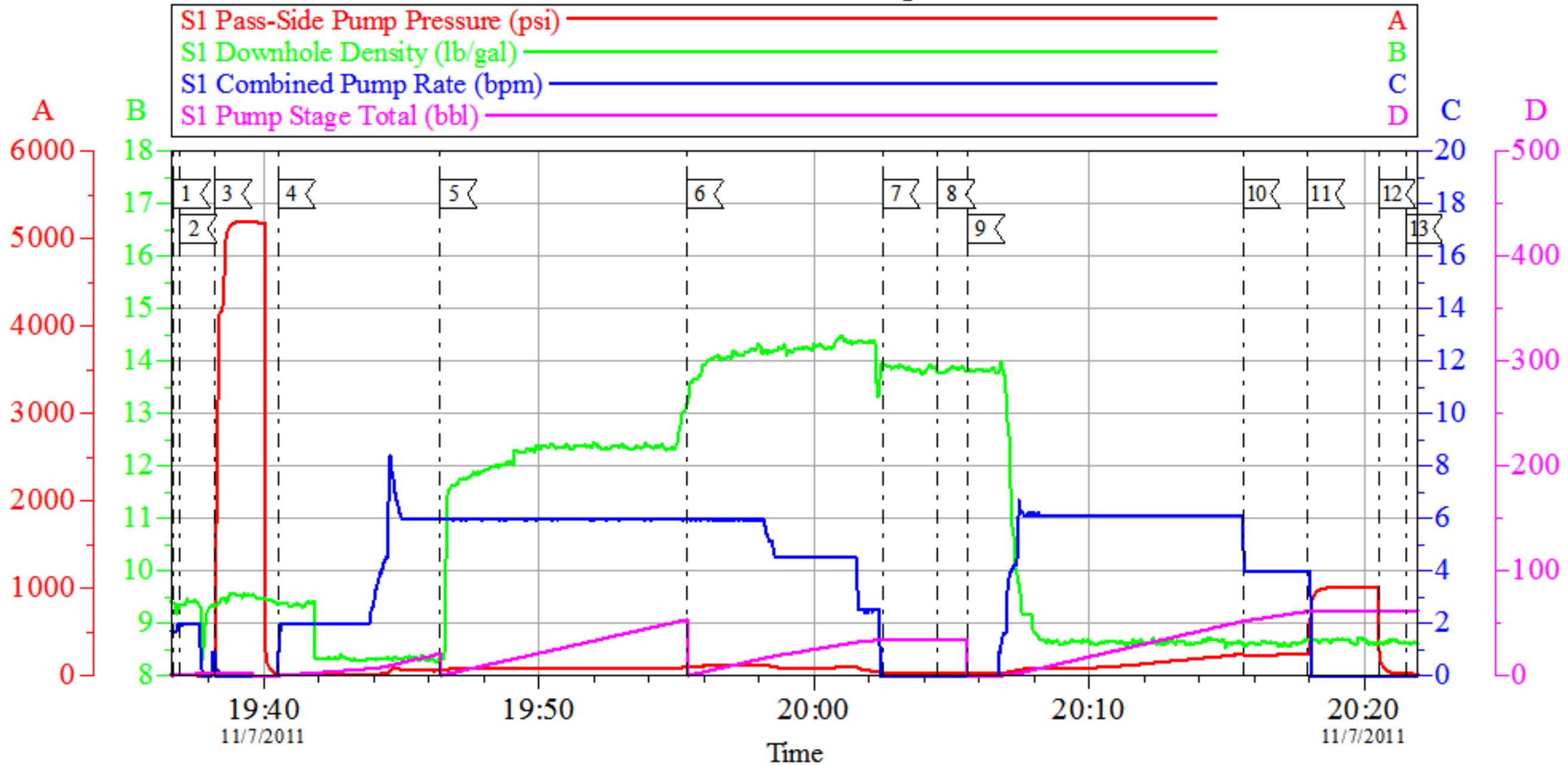
Quote # :

Sales Order # : 9043540

		#		Stage	Total	Tubing	Casing	
Drop Plug	11/07/2011 20:05							
Pump Displacement	11/07/2011 20:06		6					FRESH WATER
Slow Rate	11/07/2011 20:15		4	50			243.0	
Bump Plug	11/07/2011 20:18		4	60			260.0	PRESSURE UP TO 1005 PSI
Check Floats	11/07/2011 20:20							FLOATS HELD
End Job	11/07/2011 20:21							CEMENT BACK TO SURFACE 24 BBLs
Post-Job Safety Meeting (Pre Rig-Down)	11/07/2011 20:25							GOT RETURNS ON DISPLACEMENT
Depart Location Safety Meeting	11/07/2011 21:20							CASING WAS NOT MOVED THROUGHOUT JOB
Crew Leave Location	11/07/2011 21:30							THANKS FOR USING HALLIBURTON BILL JAMISON & CREW

Bill Barrett

9.625 Surface Casing

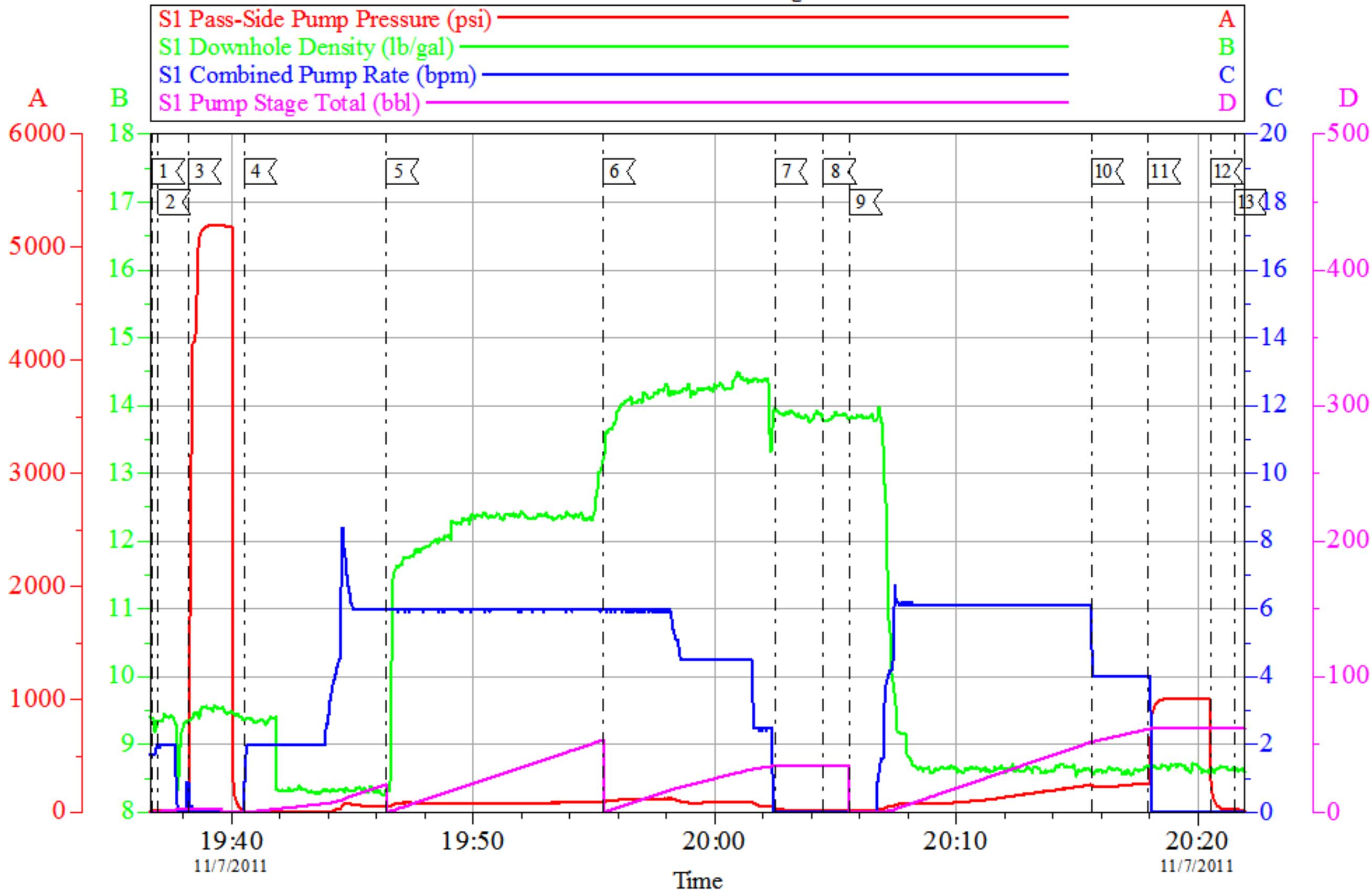


Local Event Log			
1	Start Job	19:36:42	2 Prime Lines 19:36:57
3	Test Lines	19:38:12	
4	Start Fresh Water Spacer	19:40:31	5 Start Lead Cement 19:46:24
6	Start Tail Cement	19:55:21	
7	Shut Down	20:02:29	8 Drop Top Plug 20:04:31
9	Start Displacement	20:05:34	
10	Slow Rate	20:15:35	11 Bump Plug 20:17:56
12	Check Floats	20:20:31	
13	End Job	20:21:30	

Customer: Bill Barrett	Job Date: 07-Nov-2011	Sales Order #: 9043540
Well Description: CBS 31B-21-692	Job Type: Cement	ADC Used: yes
Company Rep: Casey Lauer	Cement Supervisor: Bill Jamison	Elite #X: 5 Troy Vanalstyne

Bill Barrett

9.625 Surface Casing



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Company Rep: Casey Lauer	Cement Supervisor: Bill Jamison	Elite #X: 5 Troy Vanalstyne

Sales Order #: 9043540	Line Item: 10	Survey Conducted Date: 11/7/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: CASEY LAUER		API / UWI: (leave blank if unknown) 05-045-17545
Well Name: CBS		Well Number: 31B-21-691
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	11/7/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	PRICE JAMISON (HAL9235)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	CASEY LAUER
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	NONE

CUSTOMER SIGNATURE

Sales Order #: 9043540	Line Item: 10	Survey Conducted Date: 11/7/2011
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Customer Representative: CASEY LAUER		API / UWI: (leave blank if unknown) 05-045-17545
Well Name: CBS		Well Number: 31B-21-691
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	11/7/2011
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)	3
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	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
Number Of JSAs Performed	5
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: CBS		Well Number: 31B-21-691
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	98
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	98
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