
BILL BARRETT CORPORATION E-BILL

**FEDERAL 14C-34-691
MAMM CREEK
Garfield County , Colorado**

Cement Surface Casing
20-Dec-2011

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 2896395	Quote #:	Sales Order #: 9132810
Customer: BILL BARRETT CORPORATION E-BILL	Customer Rep: Hartnett, Jack		
Well Name: FEDERAL	Well #: 14C-34-691	API/UWI #: 05-045-20859	
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Lat: N 39.479 deg. OR N 39 deg. 28 min. 45.066 secs.	Long: W 107.553 deg. OR W -108 deg. 26 min. 48.098 secs.		
Contractor: PROPETRO	Rig/Platform Name/Num: PROPETRO 1		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: FLING, MATTHEW	Srvc Supervisor: SMITH, CHRISTOPHER	MBU ID Emp #: 452619	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
EICKHOFF, ROBERT Edward		495311	LEIST, JAMES R		362787	SMITH, CHRISTOPHER Scott		452619

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10616651C	120 mile	10867423	120 mile	10897887	120 mile	11259882	120 mile
11808827	120 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL								

Total is the sum of each column separately

Job				Job Times			
Formation Name				Date	Time	Time Zone	
Formation Depth (MD)	Top		Bottom	Called Out	20 - Dec - 2011	13:00	MST
Form Type		BHST		On Location	20 - Dec - 2011	17:00	MST
Job depth MD	840. m	Job Depth TVD	840. m	Job Started	20 - Dec - 2011	20:32	MST
Water Depth		Wk Ht Above Floor	3. m	Job Completed	20 - Dec - 2011	21:28	MST
Perforation Depth (MD)	From		To	Departed Loc	20 - Dec - 2011	23:00	MST

Well Data

Description	New / Used	Max pressure MPa	Size mm	ID mm	Weight kg/m	Thread	Grade	Top MD m	Bottom MD m	Top TVD m	Bottom TVD m
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Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
R/A DENSOMETER W/CHART RECORDER,/JOB,ZI	1	JOB		
ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB		
PORT. DATA ACQUIS. W/OPTICEM RT W/HES	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 kg/m3	Yield m3/sk	Mix Fluid m3/tonne	Total Mix Fluid m3/tonne

1	WATER SPACER		10.00	bbl	8.34	.0	.0	7.0	
2	VERSACEM	VERSACEM (TM) SYSTEM (452010)	125.0	sacks	12.3	2.38	13.77	7.0	13.77
	0.25 lbm	POLY-E-FLAKE (101216940)							
	13.77 Gal	FRESH WATER							
3	SWIFTCEM	SWIFTCEM (TM) SYSTEM (452990)	125.0	sacks	14.2	1.43	6.85	7.0	6.85
	0.25 lbm	POLY-E-FLAKE (101216940)							
	6.85 Gal	FRESH WATER							
4	DISPLACEMENT		61.00	bbl	8.3			7.0	
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	0 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID		Frac ring # 2 @	ID		Frac Ring # 3 @	ID		Frac Ring # 4 @
The Information Stated Herein Is Correct				Customer Representative Signature					

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Legal Description:			
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Contractor: PROPETRO		Rig/Platform Name/Num: PROPETRO 1	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FLING, MATTHEW		Srv Supervisor: SMITH, CHRISTOPHER	MBU ID Emp #: 452619

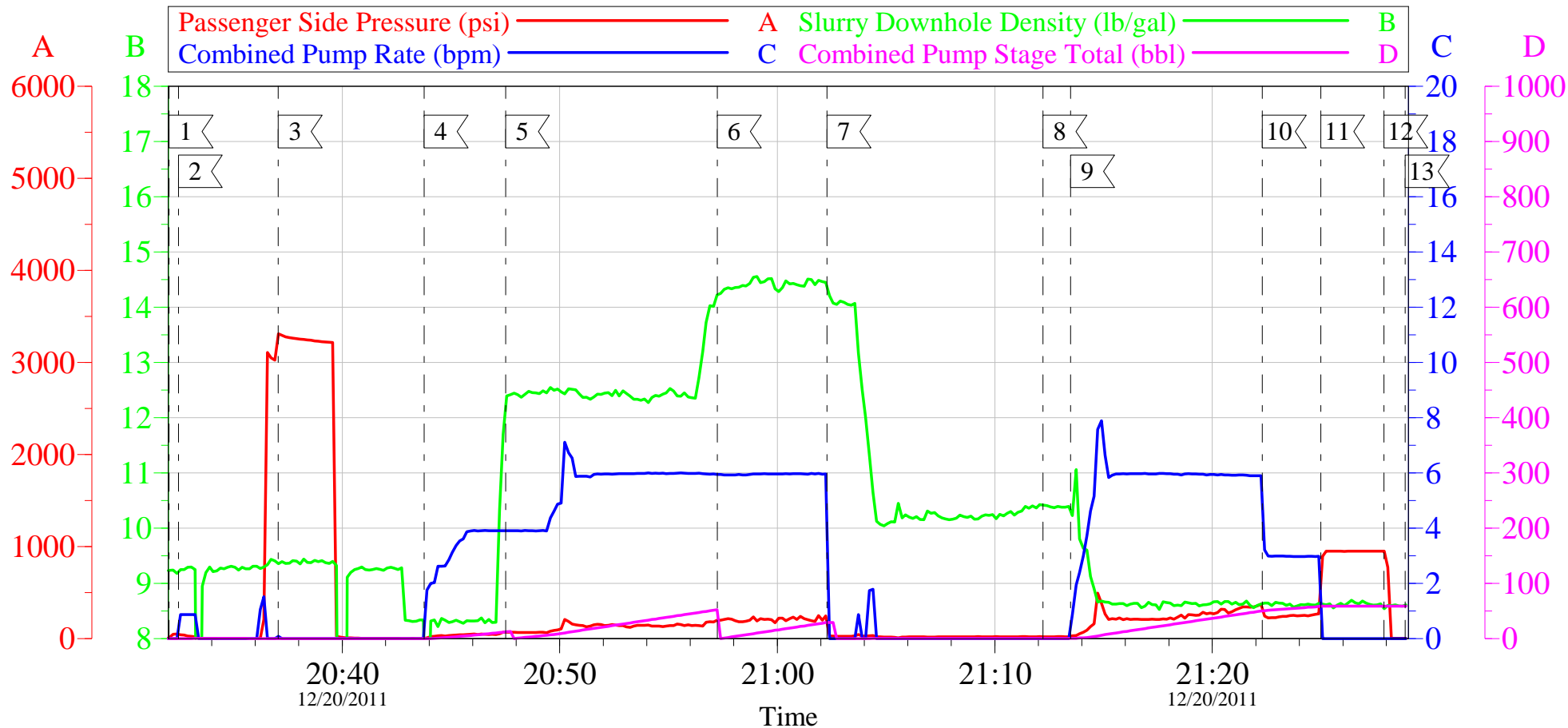
Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Pre-Convoy Safety Meeting	12/20/2011 14:50							ALL HES PERSONEL
Crew Leave Yard	12/20/2011 15:00							
Arrive At Loc	12/20/2011 17:00							RIG RUNNING DRILLING.
Assessment Of Location Safety Meeting	12/20/2011 17:15							ALL HES PERSONEL
Rig-Up Equipment	12/20/2011 17:20							
Pre-Job Safety Meeting	12/20/2011 20:25							ALL HES PERSONEL AND RIG CREW
Start Job	12/20/2011 20:32							TD 840', TP 824.25', SJ 44.95', OH 12.25", CSG 9.625" 32.3# J-55, NO MUD IN HOLE. NO CUSTOMER REP ON LOCATION DURING JOB. AT END OF PREVIOUS JOB CUSOMER REP INFORMED HES THAT HE WOULD NOT BE PRESENT FOR NEXT CEMENT JOB.
Other	12/20/2011 20:32		2	2			20.0	FILL LINES
Pressure Test	12/20/2011 20:37		0.5	0.5				ALL LINES HELD PRESSURE AT 3230 PSI
Pump Spacer 1	12/20/2011 20:43		4	10			49.0	FRESH WATER
Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	

Cementing Job Log

Pump Lead Cement	12/20/2011 20:47		6	53			174.0	125 SKS, 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK, SET UP TIME 3:05 @ 70 BC
Pump Tail Cement	12/20/2011 20:57		6	32			230.0	125 SKS, 14.2 PPG, 1.43 FT3/ SK, 6.85 GAL/SK, SET UP TIME 3:07 @ 70 BC
Shutdown	12/20/2011 21:02							
Drop Top Plug	12/20/2011 21:12							PLUG WENT, HOOKED UP IRON TO POSITIVE DISPLACE.
Pump Displacement	12/20/2011 21:13		6				294.0	FRESH WATER
Slow Rate	12/20/2011 21:22		2				270.0	
Bump Plug	12/20/2011 21:24						950.0	PLUG BUMPED
Check Floats	12/20/2011 21:27							FLOATS HELD
End Job	12/20/2011 21:28							FULL RETURNS WITH 105 BBLS OF FLUID PUMPED, 30 BBLS OF CEMENT TO SURFACE, JOB PUMPED OFF LINE.
Post-Job Safety Meeting (Pre Rig-Down)	12/20/2011 21:35							ALL HES PERSONEL
Rig-Down Completed	12/20/2011 22:45							
Depart Location Safety Meeting	12/20/2011 22:50							ALL HES PERSONEL
Crew Leave Location	12/20/2011 22:55							
Other	12/20/2011 23:00							THANK YOU FOR CHOOSING HALLIBURTON, CHRIS SMITH AND CREW

BILL BARRETT- FEDERAL 14C-34-691

9.625" SURFACE



Customer: BILL BARRETT CORPORATION E-BILL
 Well Description: FEDERAL 14C-34-691
 Company Rep:

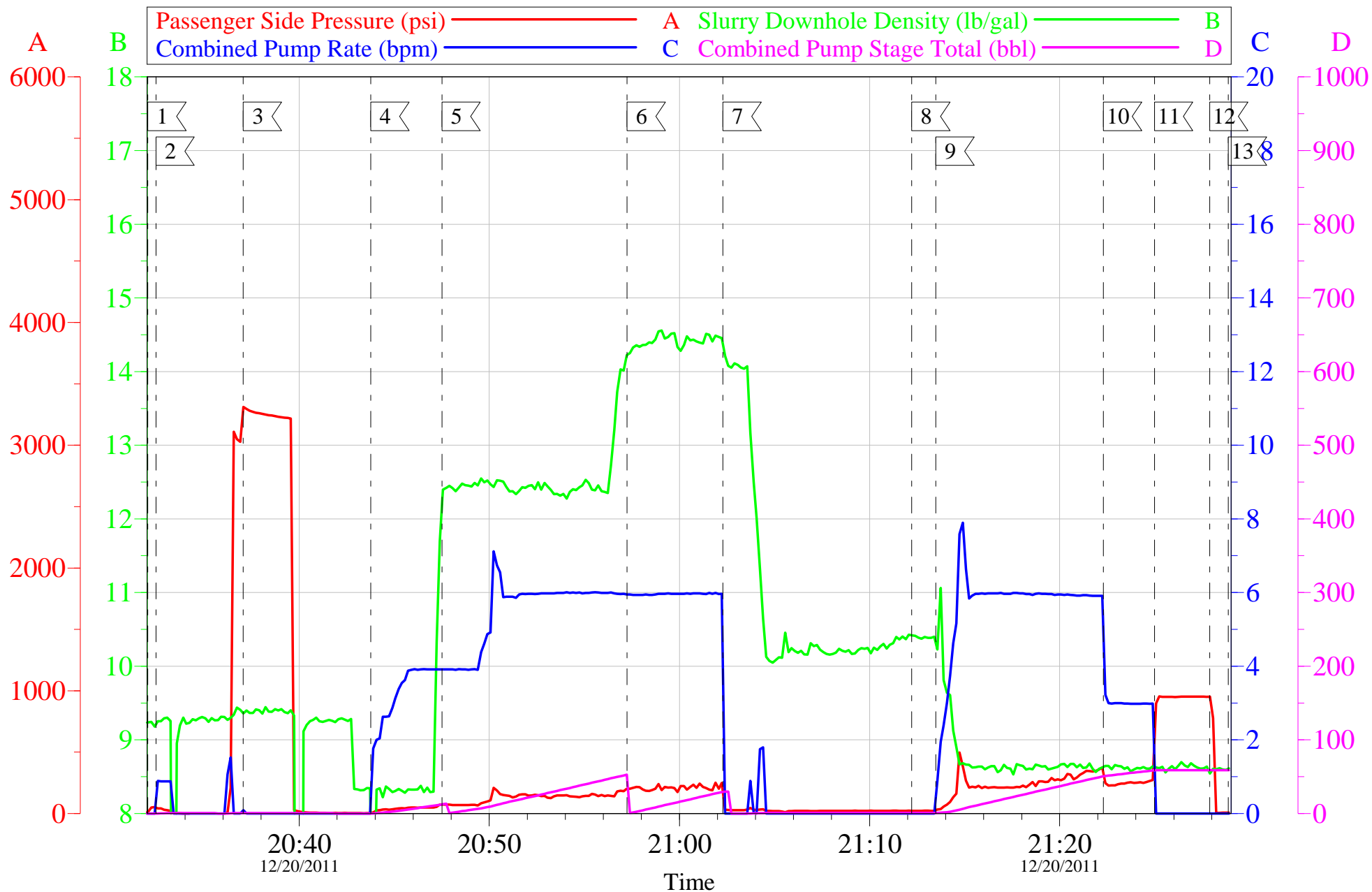
Job Date: 20-Dec-2011
 Job Type: SURFACE
 Cement Supervisor: C.SMITH

Sales Order #: 9132810
 ADC Used: YES
 Elite #4: R.EICKHOFF

OptiCem v6.4.10
 21-Dec-11 08:06

BILL BARRETT- FEDERAL 14C-34-691

9.625" SURFACE



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Company Rep:

Job Date: 20-Dec-2011
Job Type: SURFACE
Cement Supervisor: C.SMITH

Sales Order #: 9132810
ADC Used: YES
Elite #4: R.EICKHOFF

OptiCem v6.4.10
21-Dec-11 08:06

Sales Order #: 9132810	Line Item: 10	Survey Conducted Date: 12/20/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-20859
Well Name: FEDERAL		Well Number: 14C-34-691
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	12/20/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CHRISTOPHER SMITH (HB20137)
Customer Participation	Did the customer participate in this survey? (Y/N)	No
Customer Representative	Enter the Customer representative name	
HSE	Was our HSE performance satisfactory? Circle Y or N	
Equipment	Were you satisfied with our Equipment? Circle Y or N	
Personnel	Were you satisfied with our people? Circle Y or N	
Customer Comment	Customer's Comment	

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 The date the survey was conducted	12/20/2011

Cementing KPI Survey	
Type of Job Select the type of job. (Cementing or Non-Cementing)	0
Select the Maximum Deviation range for this Job What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	2
HSE Incident, Accident, Injury HSE Incident, Accident, Injury. This should be recordable incidents only.	No
Was the job purpose achieved? Was the job delivered correctly as per customer agreed design?	Yes
Operating Hours (Pumping Hours) Total number of hours pumping fluid on this job. Enter in decimal format.	1
Customer Non-Productive Rig Time (hrs) 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.	0
Type of Rig Classification Job Was Performed Type Of Rig (classification) Job Was Performed On	Drilling Rig (Portable)
Number Of JSAs Performed Number Of Jsas Performed	7
Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time.	0
Was this a Primary Cement Job (Yes / No)	Yes

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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	95
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	94
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