
BILL BARRETT CORPORATION E-BILL

**KAUFMAN 11A-25-692
MAMM CREEK
Garfield County , Colorado**

Cement Surface Casing

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 2894949	Quote #:	Sales Order #: 9112129
Customer: BILL BARRETT CORPORATION E-BILL	Customer Rep: Lauer, Casey		
Well Name: KAUFMAN	Well #: 11A-25-692	API/UWI #: 05-045-21136	
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Lat: N 39.502 deg. OR N 39 deg. 30 min. 8.435 secs.	Long: W 107.618 deg. OR W -108 deg. 22 min. 53.576 secs.		
Contractor: PROPETRO	Rig/Platform Name/Num: PROPETRO		
Job Purpose: Cement Surface Casing			
Well Type: Appraisal Well	Job Type: Cement Surface Casing		
Sales Person: FLING, MATTHEW	Srvc Supervisor: ARNOLD, EDWARD	MBU ID Emp #: 439784	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANDREWS, ANTHONY Michael	15	321604	ARNOLD, EDWARD John	15	439784	BRENNECKE, ANDREW Bailey	15	486345

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10867423	120 mile	10897887	120 mile	11360871	120 mile	11542767	120 mile
11583933	120 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
12.5.2011	15	2						

TOTAL Total is the sum of each column separately

Job

Job					Job Times			
Formation Name						Date	Time	Time Zone
Formation Depth (MD)	Top			Bottom		Called Out		
Form Type			BHST			On Location		
Job depth MD	740. ft		Job Depth TVD		740. ft	Job Started		
Water Depth			Wk Ht Above Floor		. ft	Job Completed		
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
Open Hole				12.387				.	740.		
Surface Casing	Unknown		9.625	8.921	36.		J-55	.	721.5		

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	1	HES
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

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

1	WATER SPACER		20.00	bbl	8.34	.0	.0	3	
2	VersaCem	VERSACEM (TM) SYSTEM (452010)	120.0	sacks	12.3	2.38	13.77	6	13.77
	0.25 lbm	POLY-E-FLAKE (101216940)							
	13.77 Gal	FRESH WATER							
3	SwiftCem	SWIFTCEM (TM) SYSTEM (452990)	120.0	sacks	14.2	1.43	6.85	6	6.85
	0.25 lbm	POLY-E-FLAKE (101216940)							
	6.85 Gal	FRESH WATER							
4	DISPLACEMENT		52.00	bbl	8.4			6	
Calculated Values		Pressures		Volumes					
Displacement	52.2	Shut In: Instant		Lost Returns		Cement Slurry	81.4	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	19	Actual Displacement	52.2	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	154.5
Rates									
Circulating		Mixing	6	Displacement	6	Avg. Job			6
Cement Left In Pipe	Amount	45 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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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: Appraisal Well		Job Type: Cement Surface Casing	
Sales Person: FLING, MATTHEW		Srv Supervisor: ARNOLD, EDWARD	MBU ID Emp #: 439784

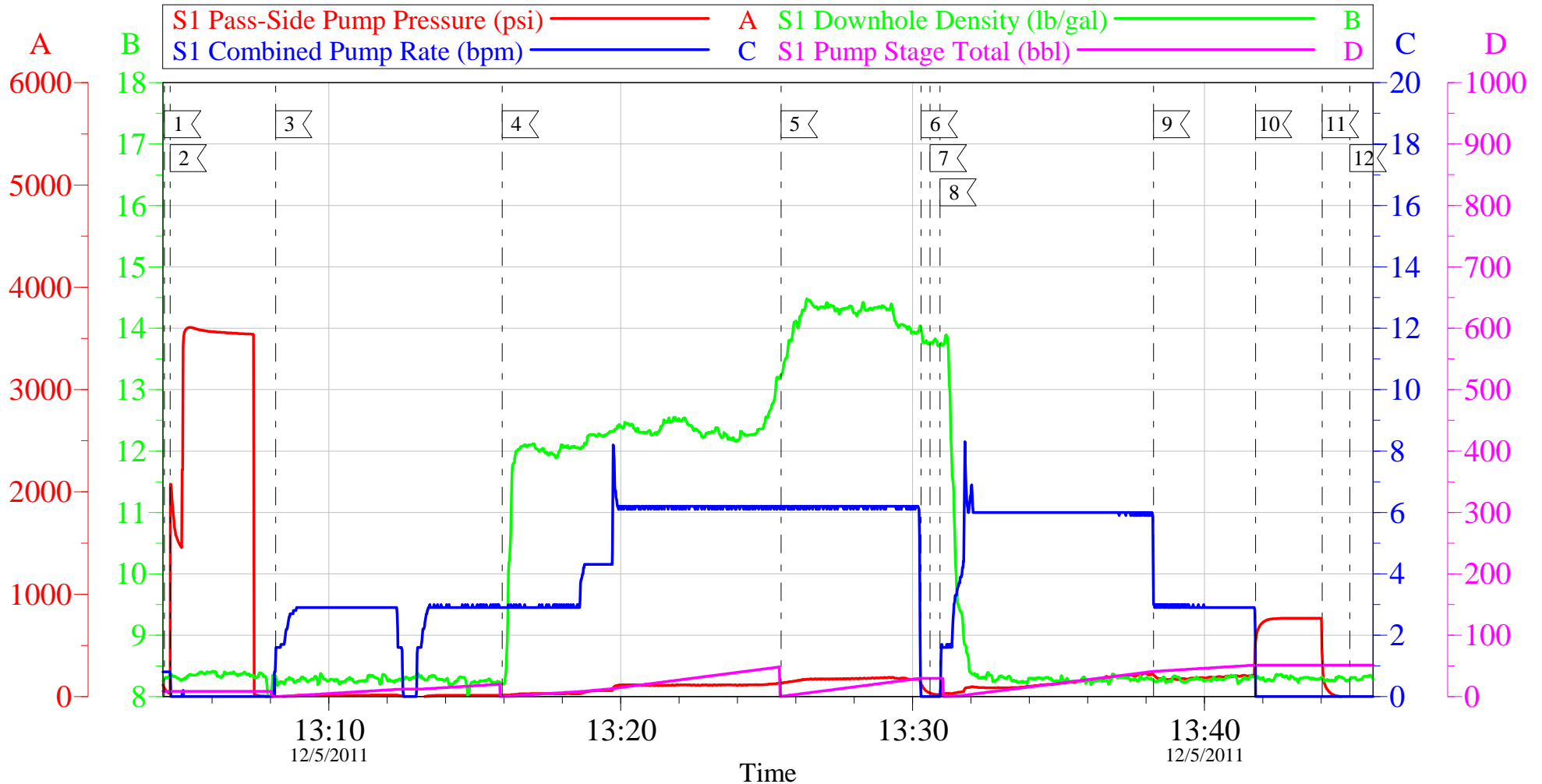
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/05/2011 07:00							Crew on location from previous job.
Assessment Of Location Safety Meeting	12/05/2011 12:00							Water; PH 7; KCL 250; So4 <200; Fe 0; Calcium 120; Chlorides 0; Temp 45; TDS 190.
Pre-Rig Up Safety Meeting	12/05/2011 12:15							Including entire cement crew.
Rig-Up Equipment	12/05/2011 12:20							1 Elite # 1; 1 660 bulk truck; 1 hard line to well head; 1 line to upright; 9.625" screw in compact head.
Rig-Up Completed	12/05/2011 12:30							
Pre-Job Safety Meeting	12/05/2011 12:50							Including everyone on location.
Start Job	12/05/2011 13:04							TD 740; TP 721.53; SJ 45.04; OH 12 3/8; Casing 9.625" 36# J-55; air drilled hole.
Test Lines	12/05/2011 13:05					3480.0		Good pressure test, no leaks.
Pump Spacer 1	12/05/2011 13:08		3	20			17.0	20 BBL fresh water spacer.
Pump Lead Cement	12/05/2011 13:15		6	50.8			115.0	120 sks Lead Cement, 12.3 ppg, 2.38 cf3, 13.77 gal/sk.
Pump Tail Cement	12/05/2011 13:25		6	30.6			180.0	120 sks Tail Cement, 14.2 ppg, 1.43 cf3, 6.85 gal/sk.
Shutdown	12/05/2011 13:30							
Drop Plug	12/05/2011 13:30							Plug left container.

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	12/05/2011 13:30		6	42.2			215.0	Fresh water displacement. 19 BBL's of good cement to surface.
Slow Rate	12/05/2011 13:38		3	10			202.0	Slow rate 10 BBL's prior to bumping the plug.
Bump Plug	12/05/2011 13:41				52.2		740.0	Bumped plug, took 500 PSI over.
Check Floats	12/05/2011 13:44							Floats held, .5 BBL back
End Job	12/05/2011 13:45							
Pre-Rig Down Safety Meeting	12/05/2011 13:50							Including entire cement crew.
Rig-Down Equipment	12/05/2011 13:55							
Rig-Down Completed	12/05/2011 14:30							
Crew Leave Location	12/05/2011 14:30							Crew staying on location for next job.
Other	12/05/2011 14:30							Thank You for using Halliburton. Ed Arnold and Crew.

BILL BARRETT KAUFMAN 11A-25-692

9 5/8' SURFACE



Local Event Log

1 START JOB	13:04:22	2 TEST LINES	13:04:34	3 H2O SPACER	13:08:11
4 LEAD CEMENT	13:15:57	5 TAIL CEMENT	13:25:30	6 SHUT DOWN	13:30:18
7 DROP PLUG	13:30:36	8 H2O DISPLACEMENT	13:30:57	9 SLOW RATE	13:38:15
10 BUMP PLUG	13:41:45	11 CHECK FLOATS	13:44:02	12 END JOB	13:44:59

Customer: Bill Barrett
Well Description: Kaufman 11A-25-692
Company Rep: Cassey Luer

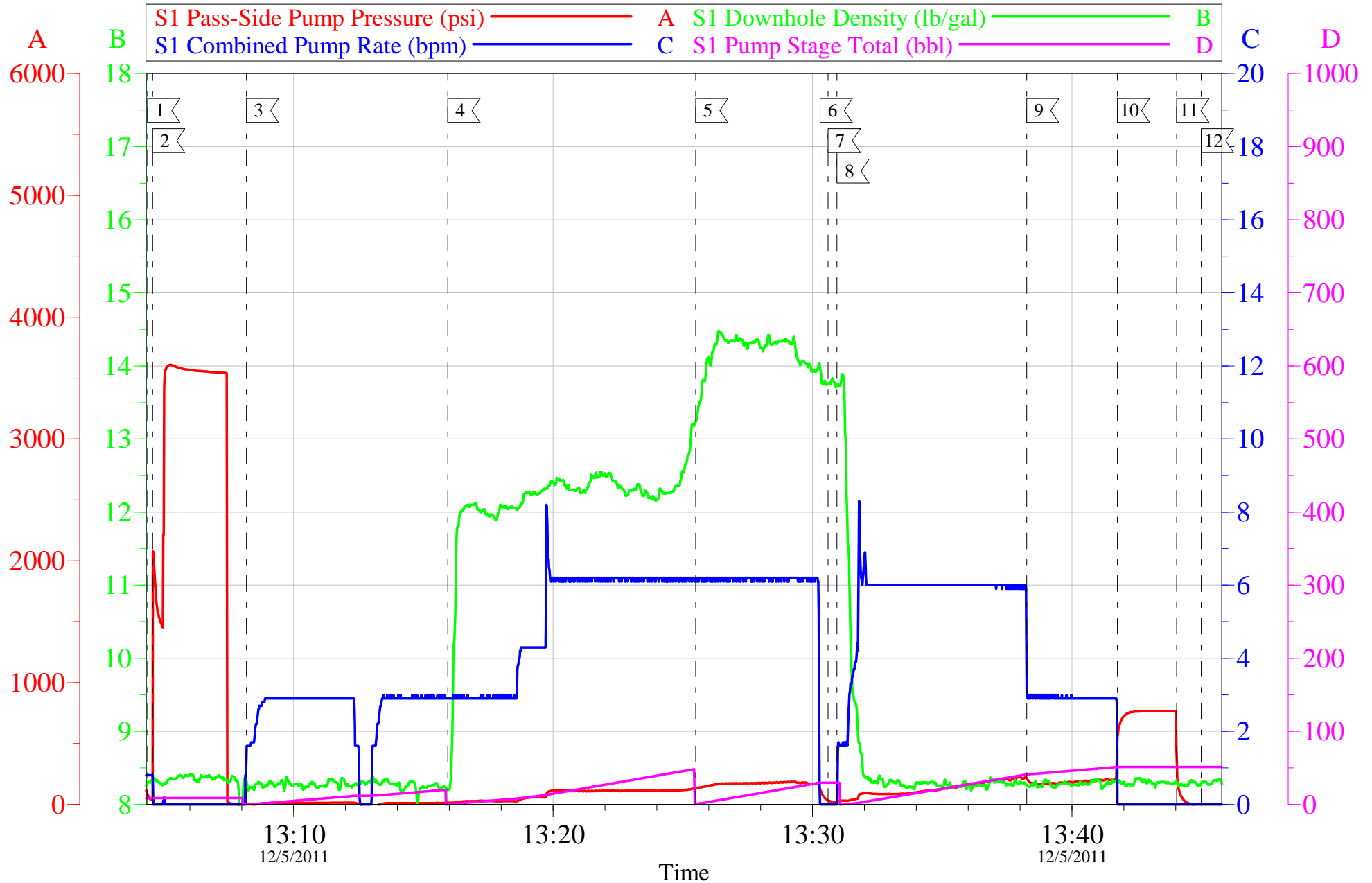
Job Date: 05-Dec-2011
Job Type: Surface
Cement Supervisor: Ed Arnold

Sales Order #: 9112129
ADC Used: Yes
Elite #1: Andrew Brennecke

OptiCem v6.4.10
05-Dec-11 16:48

BILL BARRETT KAUFMAN 11A-25-692

9 5/8' SURFACE



Customer: Bill Barrett	Job Date: 05-Dec-2011	Sales Order #: 9112129
Well Description: Kaufman 11A-25-692	Job Type: Surface	ADC Used: Yes
Company Rep: Cassey Luer	Cement Supervisor: Ed Arnold	Elite #1: Andrew Brennecke

OptiCem v6.4.10
05-Dec-11 16:48

Sales Order #: 9112129	Line Item: 10	Survey Conducted Date: 12/6/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: CASSEY LAUER		API / UWI: (leave blank if unknown) 05-045-21136
Well Name: KAUFMAN		Well Number: 11A-25-692
Well Type: Appraisal 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	12/6/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	EDWARD ARNOLD (HX46731)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	CASSEY 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	

CUSTOMER SIGNATURE

Sales Order #: 9112129	Line Item: 10	Survey Conducted Date: 12/6/2011
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Customer Representative: CASSEY LAUER		API / UWI: (leave blank if unknown) 05-045-21136
Well Name: KAUFMAN		Well Number: 11A-25-692
Well Type: Appraisal 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	12/6/2011

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	5
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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Customer Representative: CASSEY LAUER		API / UWI: (leave blank if unknown) 05-045-21136
Well Name: KAUFMAN		Well Number: 11A-25-692
Well Type: Appraisal 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	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