

HALLIBURTON

BILL BARRETT CORPORATION E-BILL

**Kaufman 21A-24-692
MAMM CREEK
Garfield County , Colorado**

**Cement Surface Casing
09-Aug-2011**

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: UNKNOWN	Quote #:	Sales Order #: 8382257
Customer: BILL BARRETT CORPORATION E-BILL		Customer Rep: HENDERSON, JOSH	
Well Name: Kaufman		Well #: 21A-24-692	API/UWI #: 05-045-19916
Field: MAMM CREEK	City (SAP): Silt	County/Parish: Garfield	State: Colorado
Lat: N 39.516 deg. OR N 39 deg. 30 min. 57.809 secs.		Long: W 107.614 deg. OR W -108 deg. 23 min. 8.326 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: KUKUS, CRAIG	MBU ID Emp #: 369124

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BRENNECKE, ANDREW Bailey	5	486345	KUKUS, CRAIG A	5	369124	MILLER II, MATTHEW Reginald	5	425164

Equipment

HES Unit #	Distance-1 way						
10829469	120 mile	10867322	120 mile	10871245	120 mile	10998512	120 mile
11360881	120 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
8/9/11	5	2						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type		BHST	On Location	09 - Aug - 2011	03:00	MST
Job depth MD	800. ft	Job Depth TVD	Job Started	09 - Aug - 2011	06:42	MST
Water Depth		Wk Ht Above Floor	Job Completed	09 - Aug - 2011	07:46	MST
Perforation Depth (MD)	From	To	Departed Loc	09 - Aug - 2011	09:15	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
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		
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	9 5/8	1	HES
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	.	.0	.0	4	
2	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	120.0	sacks	12.3	2.38	13.77	4	13.77
	13.77 Gal	FRESH WATER							
3	SwiftCem Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	120.0	sacks	14.2	1.43	6.85	4	6.85
	6.85 Gal	FRESH WATER							
4	Displacement		57.00	bbl	.	.0	.0	6	
Calculated Values		Pressures			Volumes				
Displacement	56.5	Shut In: Instant		Lost Returns	0	Cement Slurry	85	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	21	Actual Displacement	56	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	158
Rates									
Circulating	NONE	Mixing	4	Displacement	6	Avg. Job			5
Cement Left In Pipe	Amount	42.450 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					

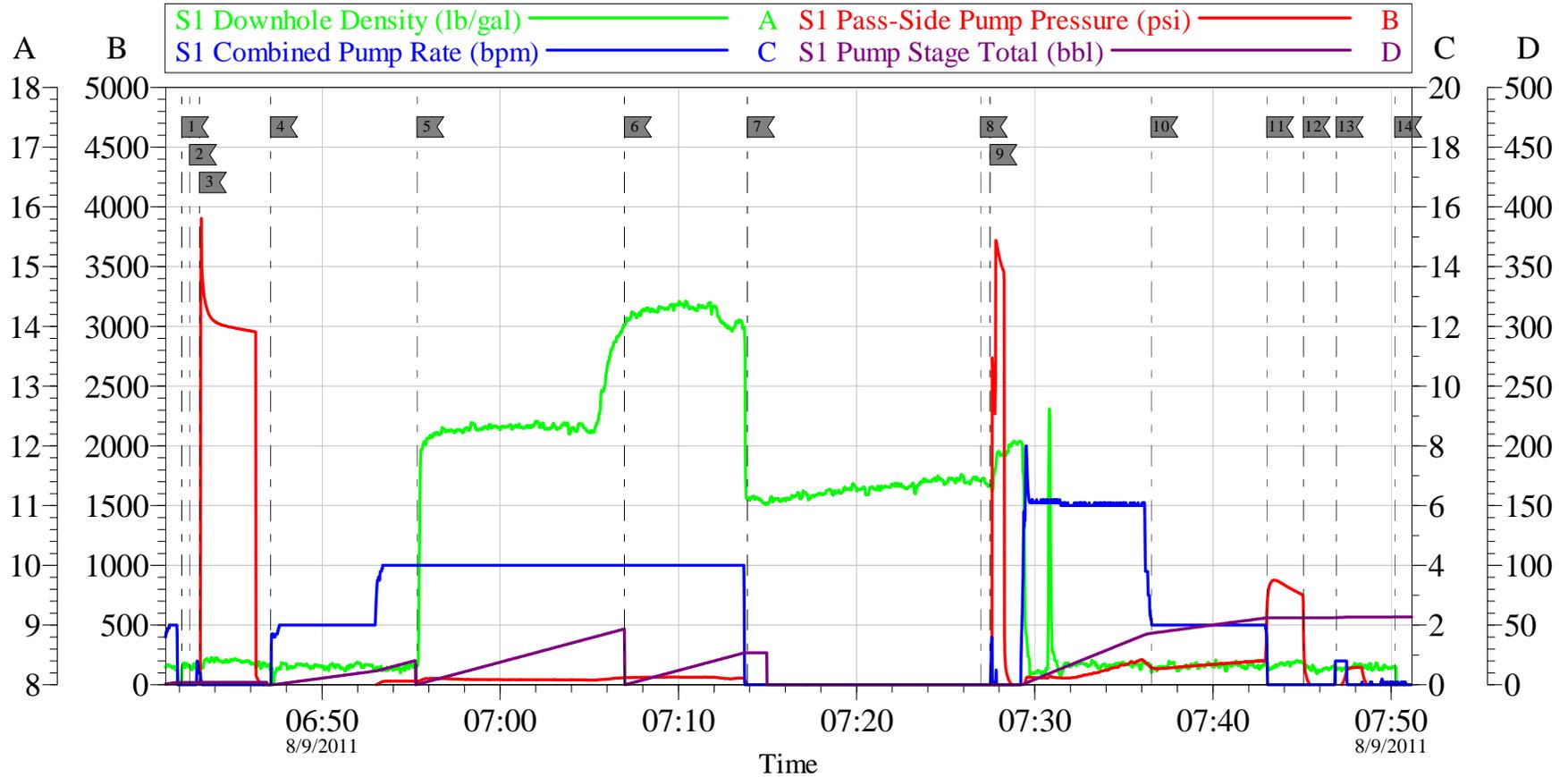
The Road to Excellence Starts with Safety

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Well Name: Kaufman		Well #: 21A-24-692	API/UWI #: 05-045-19916
Field: MAMM CREEK	City (SAP): Silt	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.516 deg. OR N 39 deg. 30 min. 57.809 secs.		Long: W 107.614 deg. OR W -108 deg. 23 min. 8.326 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		Srvc Supervisor: KUKUS, CRAIG	MBU ID Emp #: 369124

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Depart Yard Safety Meeting	08/08/2011 01:00							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Call Out	08/08/2011 22:00							
Arrive At Loc	08/09/2011 03:00							RIG RUNNING CSG
Assessment Of Location Safety Meeting	08/09/2011 03:15							ASSESSMENT OF LOCATION INVOLVING THE ENTIRE CMT CREW
Pre-Rig Up Safety Meeting	08/09/2011 03:20							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Rig-Up Equipment	08/09/2011 03:30							RIG UP EQUIPMENT / RIG CALLED FOR WATER TRUCK
Circulate Well	08/09/2011 03:50							RIG DONE WITH CSG / NO CIRCULATING
Pre-Job Safety Meeting	08/09/2011 06:30							SAFETY MEETING INVOLVING EVERYONE ON LOCATION
Start Job	08/09/2011 06:42							TD 800 FT TP 772.8 FT SJ 42.45 FT OH 12 1/4 IN MUD WT 8.3 PIPE 9 5/8 IN J-55 36#
Other	08/09/2011 06:42		2	2			-7.0	FILL LINES
Pressure Test	08/09/2011 06:43		0.5			3500.0		PRESSURE TEST GOOD
Pump Spacer 1	08/09/2011 06:47		4	20			45.0	FRESH WATER SPACER
Pump Lead Cement	08/09/2011 06:55		4	50.8			74.0	PUMP 120 SKS LEAD CEMENT AT 12.3 PPG 2.38 Y 13.77 GAL/SK

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	08/09/2011 07:06		4	30.6			85.0	PUMP 120 SKS TAIL CEMENT AT 14.2 PPG 1.43 Y 6.85 GAL/SK / AT END OF TAIL CEMENT GOT RETURNS
Shutdown	08/09/2011 07:13							OFF LINE/REMOVE SWAGE AND DROP PLUG
Drop Top Plug	08/09/2011 07:26							PLUG LEFT THE PLUG CONTAINER
Pump Displacement	08/09/2011 07:27		6	56.5			220.0	PUMP H2O DISPLACEMENT / AND HAD RETURNS / THE PRESSURE SPIKE SEEN ON CHART IS ON HES IRON DUE TO MISSING OPENING 2 IN VALVE ON SWAGE
Slow Rate	08/09/2011 07:36		2	46			155.0	SLOWED RATE TO 2 BBL MIN
Bump Plug	08/09/2011 07:43		2	56.5			882.0	PLUG LANDED AT 230 PSI
Check Floats	08/09/2011 07:45							FLOATS HELD / GOT 1/2 BBL BACK TO SURFACE
Other	08/09/2011 07:46						160.0	PRESSURE CSG UP/SHUT IN 2 IN VALVE
End Job	08/09/2011 07:50							GOT CEMENT TO SURFACE TOTAL 21 GOOD BBLS CEMENT
Pre-Rig Down Safety Meeting	08/09/2011 07:52							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Rig-Down Equipment	08/09/2011 08:30							WASH UP TO CELLAR AND RIG DOWN
Safety Meeting - Departing Location	08/09/2011 09:00							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Comment	08/09/2011 09:15							THANK YOU FOR USING HALLIBURTON, CRAIG KUKUS AND CREW

BARRETT SURFACE PRO PETRO

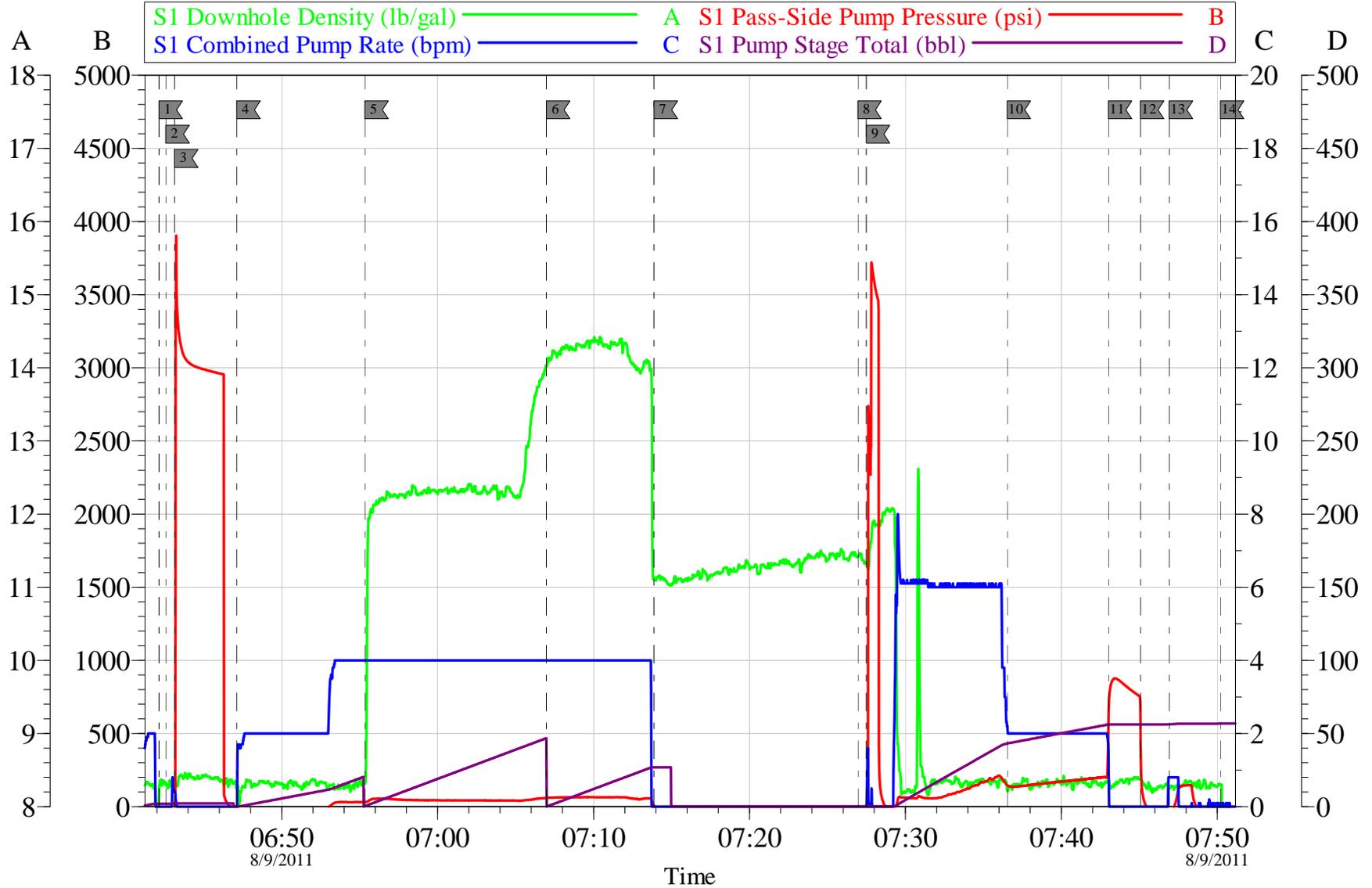


Local Event Log

1	START JOB	06:42:08	2	PRIME LINES	06:42:34	3	PRESSURE TEST	06:43:07
4	PUMP H2O SPACER	06:47:07	5	PUMP LEAD CEMENT	06:55:20	6	PUMP TAIL CEMENT	07:06:59
7	SHUT DOWN	07:13:53	8	DROP PLUG	07:26:57	9	PUMP H2O SPACER	07:27:29
10	SLOW RATE	07:36:31	11	BUMP PLUG	07:43:01	12	CHECK FLOATS	07:45:04
13	PRESSURE UP CSG/SHUT IN	07:46:55	14	END JOB	07:50:12			

Customer: BARRETT	Job Date: 09-Aug-2011	Sales Order #: 8382257
Well Description: KAUFMAN 21A-24-692	Job Type: SURFACE	ADC Used: YES
Company Rep: JOSH HENDERSON	Cement Supervisor: CRAIG KUKUS	Elite #/Operator: ELITE 8 ANDREW BRENNKE

BARRETT SURFACE PRO PETRO



Customer: BARRETT	Job Date: 09-Aug-2011	Sales Order #: 8382257
Well Description: KAUFMAN 21A-24-692	Job Type: SURFACE	ADC Used: YES
Company Rep: JOSH HENDERSON	Cement Supervisor: CRAIG KUKUS	Elite #/Operator: ELITE 8 ANDREW BRENNECKE

OptiCem v6.4.8
09-Aug-11 08:43

EVENT #	EVENT	VOLUME	SACKS	WEIGHT	YIELD	GAL/ SK
1	Start Job					
	PRIME LINES	2				
6	Test Lines	3500				
9						
9	H2O Spacer	20.0		8.3		
13	LEAD CEMENT	50.8	120	12.3	2.38	13.77
15	Tail Cement	30.6	120	14.2	1.43	6.85
	Shut Down					
22	Drop Plug			OFF	LINE	
23	Displace H2O	56.5		8.3		
23	SLOW RATE	46.0		SLOW	RATE	2BBL
26	Land Plug	196.0		PLUS	500	OVER
2	End Job					
			Do Not Overdisplace			
DISPLACEMENT	TOTAL PIPE	SHOE JOINT LENGTH		FLOAT COLLAR	BBL/FT	H2O REQ.
56.50	772.8	42.45		730.35	0.0773	170
PSI to Lift Pipe	334	*****Use Mud Scales on Each Tier*****				
Total Displacement						
CALCULATED DIFFERENTIAL PSI		196	TOTAL FLUID PUMPED		158	
Collapse	2020	Burst	3520	SO#	8382257	

Sales Order #: 8382257	Line Item: 10	Survey Conducted Date: 8/9/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-19916
Well Name: Kaufman		Well Number: 21A-24-692
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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	8/9/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CRAIG KUKUS (HX19742)
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	
Job DVA	Did we provide job DVA above our normal service today? Circle Y or N	
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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Customer Representative:		API / UWI: (leave blank if unknown) 05-045-19916
Well Name: Kaufman		Well Number: 21A-24-692
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	8/9/2011
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)	2
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	6
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: 21A-24-692
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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