
BILL BARRETT CORPORATION E-BILL

**Kaufman 32D-24-692
MAMM CREEK
Denver County , Colorado**

Cement Surface Casing
17-Aug-2011

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 343492		Ship To #: 2870978		Quote #:		Sales Order #: 8384075	
Customer: BILL BARRETT CORPORATION E-BILL				Customer Rep: Henderson, Josh			
Well Name: Kaufman			Well #: 32D-24-692			API/UWI #: 05-045-19910	
Field: MAMM CREEK		City (SAP): SILT		County/Parish: Denver		State: Colorado	
Lat: N 39.516 deg. OR N 39 deg. 30 min. 57.791 secs.				Long: W 107.614 deg. OR W -108 deg. 23 min. 9.762 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			Srv Supervisor: MAGERS, MICHAEL			MBU ID Emp #: 339439	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BORSZICH, STEPHEN A	9	412388	MAGERS, MICHAEL Gerard	9	339439	SINCLAIR, DAN J	9	338784
WILKERSON, JAMES Michael	9	496763						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10829469	120 mile	10867094	120 mile	10872429	120 mile	10897925	120 mile
11360883	120 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
08/16/2011	4	0	08/17/2011	5	1			

TOTAL Total is the sum of each column separately

Job

Formation Name					Date				Time	Time Zone		
Formation Depth (MD)		Top	Bottom		Called Out							
Form Type			BHST			On Location		16 - Aug - 2011	20:00	MST		
Job depth MD		840. ft		Job Depth TVD		840. ft		Job Started		17 - Aug - 2011	03:53	MST
Water Depth		Wk Ht Above Floor			1. ft		Job Completed		17 - Aug - 2011	04:52	MST	
Perforation Depth (MD)		From	To		Departed Loc		17 - Aug - 2011	05:30	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
12 1/4" Open Hole				12.25				.	840.		
9 5/8" Surface Casing	New		9.625	8.921	36.		J-55	.	835.		

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	SWAGE	
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	.0		
2	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	120.0	sacks	12.3	2.38	13.77		13.77	
	13.77 Gal	FRESH WATER								
3	SwiftCem Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	120.0	sacks	14.2	1.43	6.85		6.85	
	6.85 Gal	FRESH WATER								
4	Displacement		62.00	bbl	.	.0	.0	.0		
Calculated Values		Pressures		Volumes						
Displacement	62.1	Shut In: Instant		Lost Returns	0	Cement Slurry	81.5	Pad		
Top Of Cement	SURFACE	5 Min		Cement Returns	20	Actual Displacement	62.1	Treatment		
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	164	
Rates										
Circulating	NONE	Mixing	5	Displacement	5/2	Avg. Job	5			
Cement Left In Pipe	Amount	45.1 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						

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Legal Description:			
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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: MAGERS, MICHAEL	MBU ID Emp #: 339439

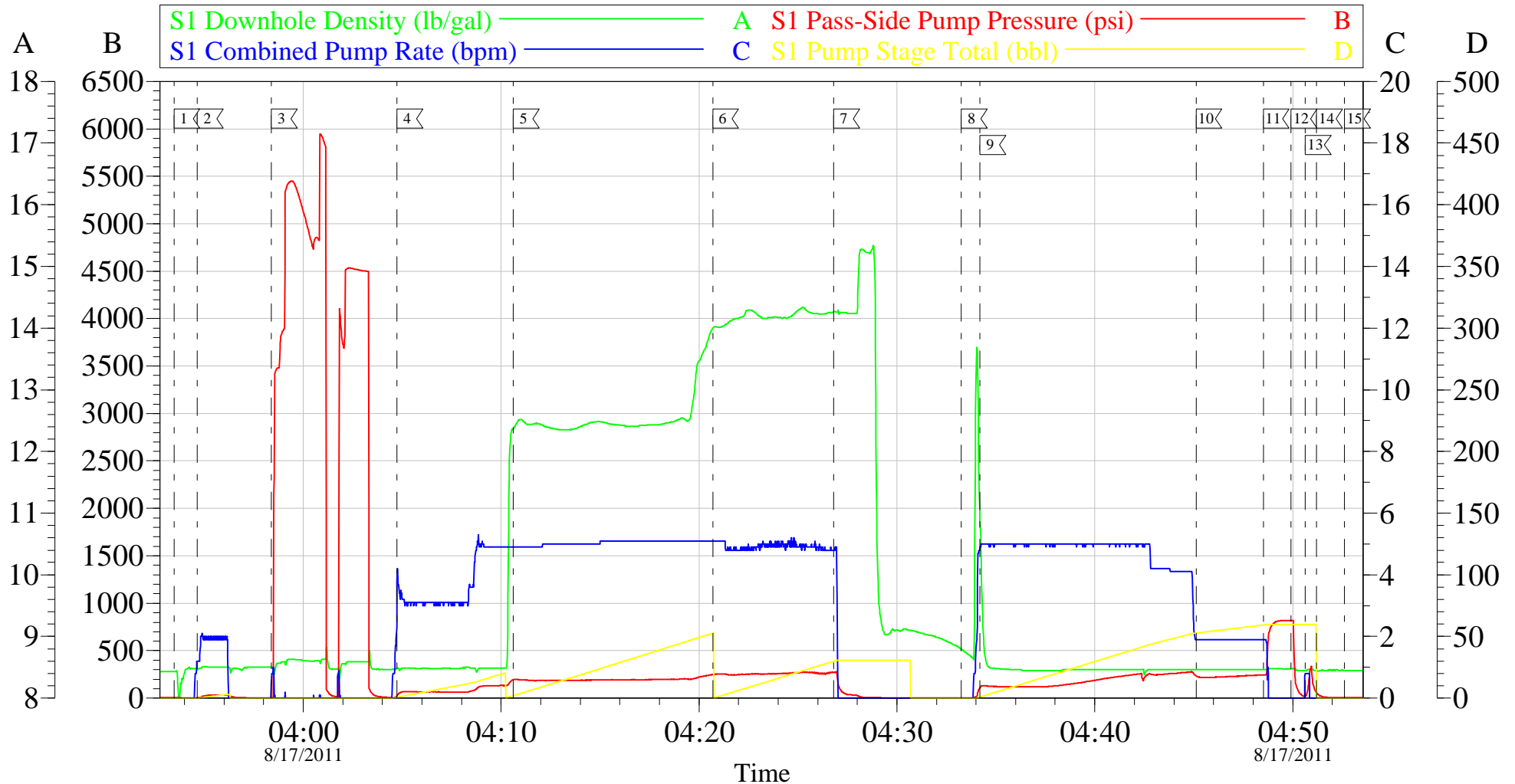
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive At Loc	08/16/2011 20:00							HES ALREADY ON DUTY WAITING FOR RIG TO DRILL HOLE AND RUN CASING ON LAST HOLE
Pre-Rig Up Safety Meeting	08/17/2011 03:30							
Rig-Up Equipment	08/17/2011 03:40							TD-840 TP-834.95 SJ-45.1 MW-8,33 CSG 9 5/8 36# J-55 OH-12 1/4"
Safety Huddle	08/17/2011 03:50							HES ALL PRESENT
Start Job	08/17/2011 03:53							
Other	08/17/2011 03:54		2	2			27.0	FILL LINES
Pressure Test	08/17/2011 03:58		0.5	0.5			4500.0	PSI TEST OK
Pump Spacer 1	08/17/2011 04:04		3	20			68.0	FRESH WATER
Pump Lead Cement	08/17/2011 04:10		5	50.9			234.0	VERSACEM 120 SKS 12.3 PPG 2.38 FT3/SK 13.77 GAL/SK
Pump Tail Cement	08/17/2011 04:20		5	30.6			265.0	SWIFTCESM 120 SKS 14.2 PPG 1.43 FT3/SK 6.85 GAL/SK GOT RETURNS AT 27 BBLS
Shutdown	08/17/2011 04:26							
Drop Plug	08/17/2011 04:33							PLUG AWAY NO PROBLEMS
Pump Displacement	08/17/2011 04:34		5	62.1			266.0	FRESH WATER/GOT RETURNS BACK AT 10 BBLS

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Slow Rate	08/17/2011 04:45		2	52			219.0	GOT 20 BBLS OF CEMENT TO SURFACE
Bump Plug	08/17/2011 04:48		2	62.1			245.0	BUMPED PLUG
Check Floats	08/17/2011 04:49		2	62.1			840.0	FLOATS HELD/GOT .5 BBL BACK
Shut In Well	08/17/2011 04:50						250.0	SHUT IN WELL 2" LO- TORC VALVE WITH 250 PSI
Release Casing Pressure	08/17/2011 04:51							RELEASE PRESSURE ON LINE
End Job	08/17/2011 04:52							THANKS FOR USING HES AND THE CREW OF MIKE MAGERS

BILL BARRETT PRO PETRO

9.625 SURFACE



Customer: BILL BARRETT PRO PETRO
 Well Description: KAUFMAN 32D-24-692
 Company Rep: JOSH HENDERSON

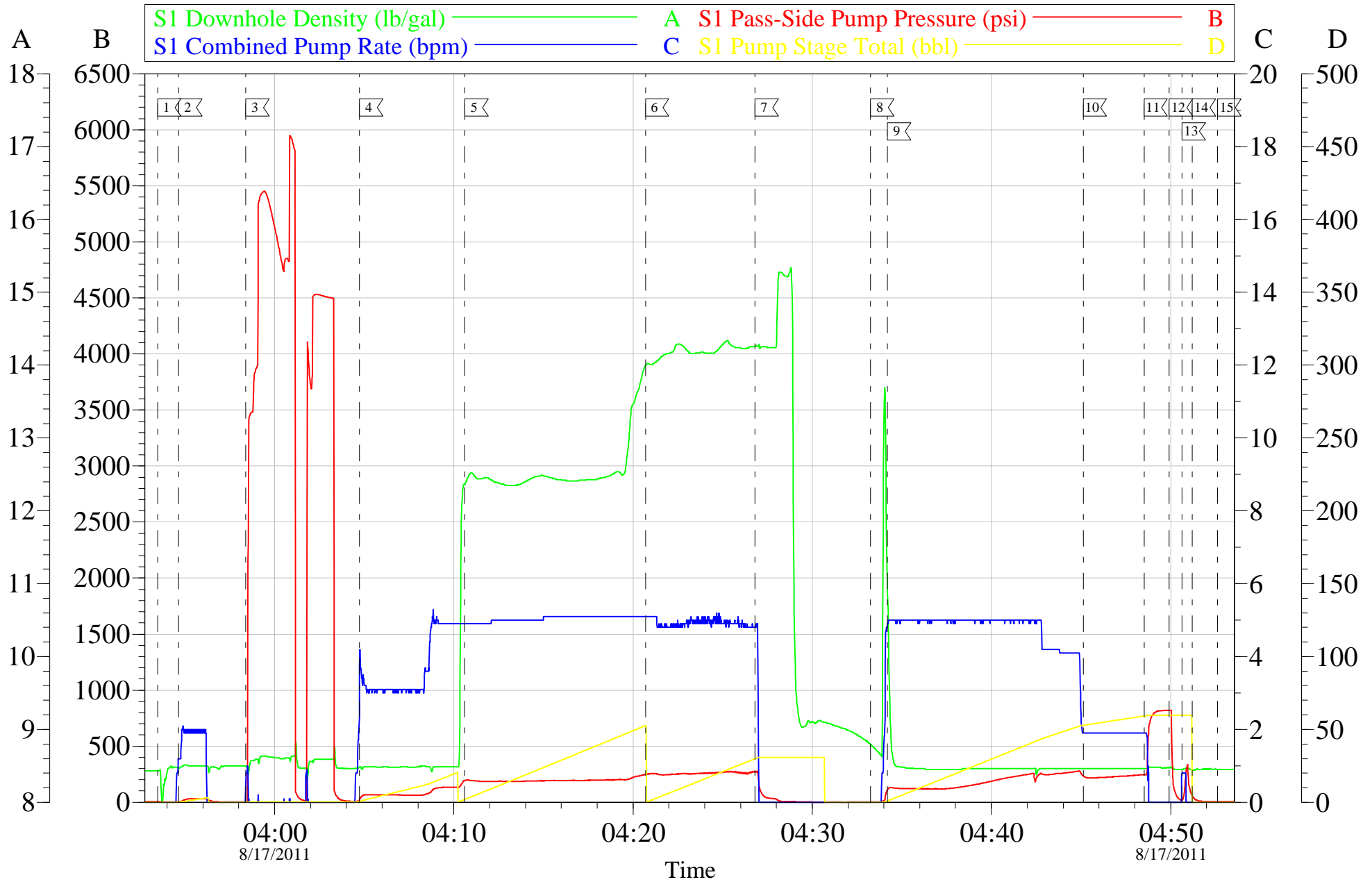
Job Date: 17-Aug-2011
 Job Type: SURFACE
 Cement Supervisor: MIKE MAGERS

Sales Order #: 8384075
 ADC Used: YES
 Elite #: 7 DAN SINCLAIR

OptiCem v6.3.4
 17-Aug-11 05:08

BILL BARRETT PRO PETRO

9.625 SURFACE



Customer: BILL BARRETT PRO PETRO
 Well Description: KAUFMAN 32D-24-692
 Company Rep: JOSH HENDERSON

Job Date: 17-Aug-2011
 Job Type: SURFACE
 Cement Supervisor: MIKE MAGERS

Sales Order #: 8384075
 ADC Used: YES
 Elite #: 7 DAN SINCLAIR

OptiCem v6.3.4
 17-Aug-11 05:08

EVENT #	EVENT	VOLUME	SACKS	WEIGHT	YIELD	GAL/ SK
1	Start Job					
6	Test Lines	5000.0				
9	H2O Spacer	20.0	3 bbls/min			
13	Pump Lead Cement	50.9	120	12.3	2.38	13.77
15	Pump Tail Cement	30.6	120	14.2	1.43	6.85
48	Shut Down					
32	Drop Plug					
23	Pump Frsh Wtr Displacement	62.2	5 bbls/min			
1085	Slow Rate	52.0	2 bbls/min			
26	Bump Plug	208 PSI	Plus	500	Over	708 PSI
511	Check Floats					
2	Release Psi / Job Over					
			Do Not Overdisplace			
DISPLACEMENT	TOTAL PIPE	SHOE JOINT LENGTH		FLOAT COLLAR	BBL/FT	H2O REQ.
62.16	834.95	45.10		789.85	0.0787	170
PSI to Lift Pipe	301	***** <u>Use Mud Scales on Each Tier</u> *****				
Total Displacement	62.16					
CALCULATED DIFFERENTIAL PSI		206		TOTAL FLUID PUMPED		164
Collapse	2020	BURST	3520		SO#	8384075

Sales Order #: 8384075	Line Item: 10	Survey Conducted Date: 8/17/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH HENDERSON		API / UWI: (leave blank if unknown) 05-045-19910
Well Name: Kaufman		Well Number: 32D-24-692
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Denver

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	8/17/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	MICHAEL MAGERS (HX13672)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	JOSH HENDERSON
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	
Job DVA	Did we provide job DVA above our normal service today? Circle Y or N	No
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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Well Name: Kaufman		Well Number: 32D-24-692
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Denver

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	8/17/2011

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.	1.5
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	Workover
Number Of JSAs Performed Number Of Jsas Performed	4
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 Name: Kaufman		Well Number: 32D-24-692
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Denver

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