

HALLIBURTON

BILL BARRETT CORPORATION E-BILL

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

**Cement Surface Casing
10-Aug-2011**

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 2871052	Quote #:	Sales Order #: 8384052
Customer: BILL BARRETT CORPORATION E-BILL	Customer Rep: HENDERSON, JOSH		
Well Name: Kaufman	Well #: 21C-24-692	API/UWI #: 05-045-19911	
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Lat: N 39.516 deg. OR N 39 deg. 30 min. 57.83 secs.	Long: W 107.614 deg. OR W -108 deg. 23 min. 8.732 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: PAUU, SEMISI	MBU ID Emp #: 445202	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DEAN, MARK Christophe		454214	HARDRICK, RAYMOND Frank		391324	PAUU, SEMISI Tu'a		445202

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

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						
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Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To	Called Out	Date	Time	Time Zone
				BHST	800. ft	800. ft						10 - Aug - 2011	02:00	MST
											On Location	10 - Aug - 2011	04:00	MST
											Job Started	10 - Aug - 2011	09:27	MST
											Job Completed	10 - Aug - 2011	10:13	MST
											Departed Loc	10 - Aug - 2011	12:00	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				.	820.		
9 5/8" Surface Casing	New		9.625	8.921	36.		J-55	.	796.4		

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
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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		58.00	bbl	.	.0	.0	.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	44.98 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

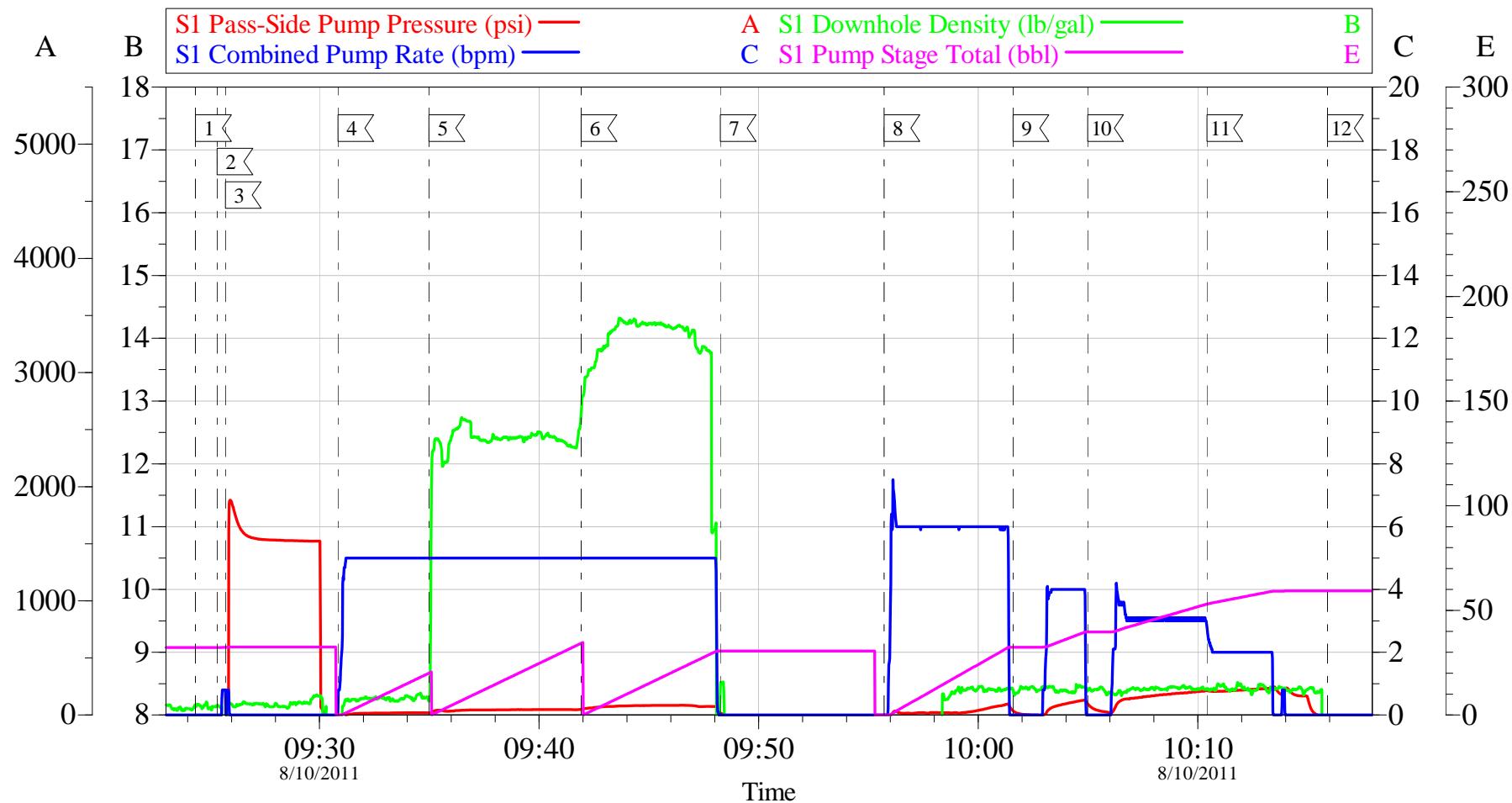
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Well Name: Kaufman			Well #: 21C-24-692			API/UWI #: 05-045-19911	
Field: MAMM CREEK		City (SAP): SILT		County/Parish: Garfield			State: Colorado
Legal Description:							
Lat: N 39.516 deg. OR N 39 deg. 30 min. 57.83 secs.				Long: W 107.614 deg. OR W -108 deg. 23 min. 8.732 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: PAUU, SEMISI			MBU ID Emp #: 445202	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	08/10/2011 02:00							
Pre-Convoy Safety Meeting	08/10/2011 02:15							
Depart from Service Center or Other Site	08/10/2011 02:30							
Arrive At Loc	08/10/2011 04:00							
Safety Meeting - Assessment of Location	08/10/2011 04:30							
Pre-Rig Up Safety Meeting	08/10/2011 04:45							
Rig-Up Equipment	08/10/2011 05:00							
Rig-Up Completed	08/10/2011 06:00							
Pre-Job Safety Meeting	08/10/2011 06:15							
Pressure Test	08/10/2011 09:27		2		2		1500.0	Pressure tested lines to 1500 psi, no leaks
Pump Spacer 1	08/10/2011 09:32		5		20		30.0	Pumped 20 bbl Fresh Spacer
Pump Lead Cement	08/10/2011 09:36		5		50.9		75.0	Started 50.9 BBL Lead Cement (120 sks) at 12.3#/gal 2.38 Yield 13.77 gal/sks
Pump Tail Cement	08/10/2011 09:44		5		30.6		112.0	Started 30.6 BBL Tail Cement (120 sks) at 14.2#/gal 1.43 Yield 6.85 gal/sks
Shutdown	08/10/2011 09:49							Finished pumping cement. Prepared to wash up on top of plug. 9.625" HWE top plug dropped by Semisi Pauu

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	08/10/2011 09:57		6		57.8		55.0	Started 56 bbl fresh water Displacement (Washed pumps and lines on top of plug as per company man's request
Shutdown	08/10/2011 10:01							Shutdown due to leak on swedge
Pump Displacement	08/10/2011 10:02		4	25	57.8		100.0	Continued Displacement
Shutdown	08/10/2011 10:04							Shutdown to re-tighten swedge
Pump Displacement	08/10/2011 10:05		3	40	57.8		150.0	Continued Displacement
Slow Rate	08/10/2011 10:10		2	52	57.8		210.0	Slowed Rate to 2 bbl/min in preparation to landing the plug
Bump Plug	08/10/2011 10:13							Plug Landed at 200 psi, pressured up to 300 psi and closed in well as requested by customer
Other	08/10/2011 10:15							Closed well head in and did not check foats to due swedge leaking as requested by customer.
Safety Meeting - Pre Rig-Down	08/10/2011 10:15							
Rig-Down Equipment	08/10/2011 10:30							
Rig-Down Completed	08/10/2011 11:30							
Pre-Convoy Safety Meeting	08/10/2011 11:45							
Depart Location for Service Center or Other Site	08/10/2011 12:00							This job was completed safely by Semisi Pauu and crew. Thank you for choosing Halliburton Cementing.

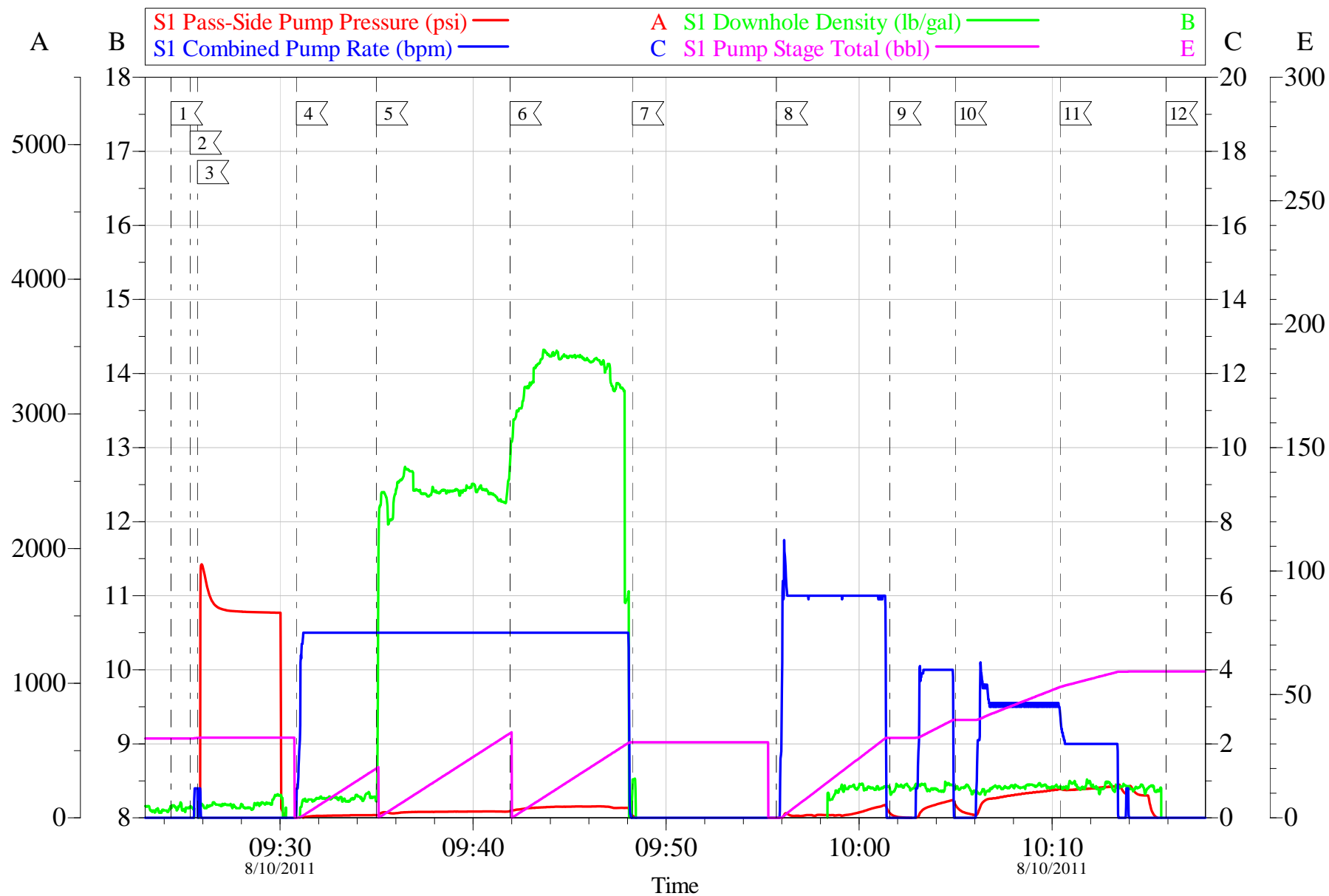
BBC Kaufman 21C-24-692

Surface



BBC Kaufman 21C-24-692

Surface



Sales Order #: 8384052	Line Item: 10	Survey Conducted Date: 8/10/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-19911
Well Name: Kaufman		Well Number: 21C-24-692
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	8/10/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	SEMISI PAUU (HB45586)
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

Sales Order #: 8384052	Line Item: 10	Survey Conducted Date: 8/10/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-19911
Well Name: Kaufman		Well Number: 21C-24-692
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	8/10/2011
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	3
Number Of Jsas Performed	
Number of Unplanned Shutdowns	2
Unplanned shutdown is when injection stops for any period of time.	

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Customer Representative:		API / UWI: (leave blank if unknown) 05-045-19911
Well Name: Kaufman		Well Number: 21C-24-692
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

Reason For Unplanned Shutdown	9.625" SWEDGE WAS LEAKING WHILE PUMPING DISPLACEMENT. ACCORDING TO COMPANY MAN THE SAME SWEDGE WAS LEAKING THE JOB BEFORE. I LET JONATHAN TROUT KNOW AND AM LOCKING IT OUT.
Reason For Unplanned Shutdowns (after Starting To Pump)	
Was this a Primary Cement Job (Yes / No)	Yes
Primary Cement Job= Casing job, Liner job, or Tie-back job.	
Did We Run Wiper Plugs?	Top
Did We Run Top And Bottom Casing Wiper Plugs?	
Mixing Density of Job Stayed in Designed Density Range (0-100%)	95
Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	
Was Automated Density Control Used?	Yes
Was Automated Density Control (ADC) Used ?	
Pump Rate (percent) of Job Stayed At Designed Pump Rate	95
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	
Nbr of Remedial Sqz Jobs Rqd - Competition	0
Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	
Nbr of Remedial Plug Jobs Rqd - HES	0
Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	
Nbr of Remedial Sqz Jobs Rqd - HES	0
Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	