
WILLIAMS PRODUCTION RMT INC - EBUS

**PA 333-20
Parachute
Garfield County , Colorado**

Cement Surface Casing
23-Sep-2011

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2878404	Quote #:	Sales Order #: 8469953
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Customer Rep: Harrison, Jeremy	
Well Name: PA	Well #: 333-20	API/UWI #: 05-045-20256	
Field: Parachute	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.504 deg. OR N 39 deg. 30 min. 14.422 secs.		Long: W 108.019 deg. OR W -109 deg. 58 min. 51.269 secs.	
Contractor: Nabors Industries LTD.		Rig/Platform Name/Num: Nabors 577	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: KOHL, KYLE		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 #
ARNOLD, EDWARD John	10	439784	BRENNECKE, ANDREW Bailey	10	486345	MILLER II, MATTHEW Reginald	10	425164

Equipment

HES Unit #	Distance-1 way						
10551730C	60 mile	10829465	60 mile	10867094	60 mile	10897925	60 mile
10973571	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
9.23.2011	10	3						

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	23 - Sep - 2011	01:45	MST
Job depth MD	1001. ft	Job Depth TVD	Job Started	23 - Sep - 2011	09:33	MST
Water Depth		Wk Ht Above Floor	Job Completed	23 - Sep - 2011	10:39	MST
Perforation Depth (MD)	From	To	Departed Loc	23 - Sep - 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
13 1/2" Open Hole				13.5				.	1001.		
9 5/8" Surface Casing	New		9.625	9.001	32.3		H-40	.	986.		

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	Conc	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	8.34	.0	.0	4	
2	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	310.0	sacks	12.8	2.11	11.75	7	11.75
	11.75 Gal	FRESH WATER							
3	Displacement Fluid		74.00	bbl	8.34	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	74.1	Shut In: Instant		Lost Returns	0	Cement Slurry	116.4	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	14	Actual Displacement	74.1	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	210.5
Rates									
Circulating	RIG	Mixing	7	Displacement	10	Avg. Job			
Cement Left In Pipe	Amount	43.52 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: Nabors Industries LTD.		Rig/Platform Name/Num: Nabors 577	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: KOHL, KYLE		Srvc Supervisor: ARNOLD, EDWARD	MBU ID Emp #: 439784

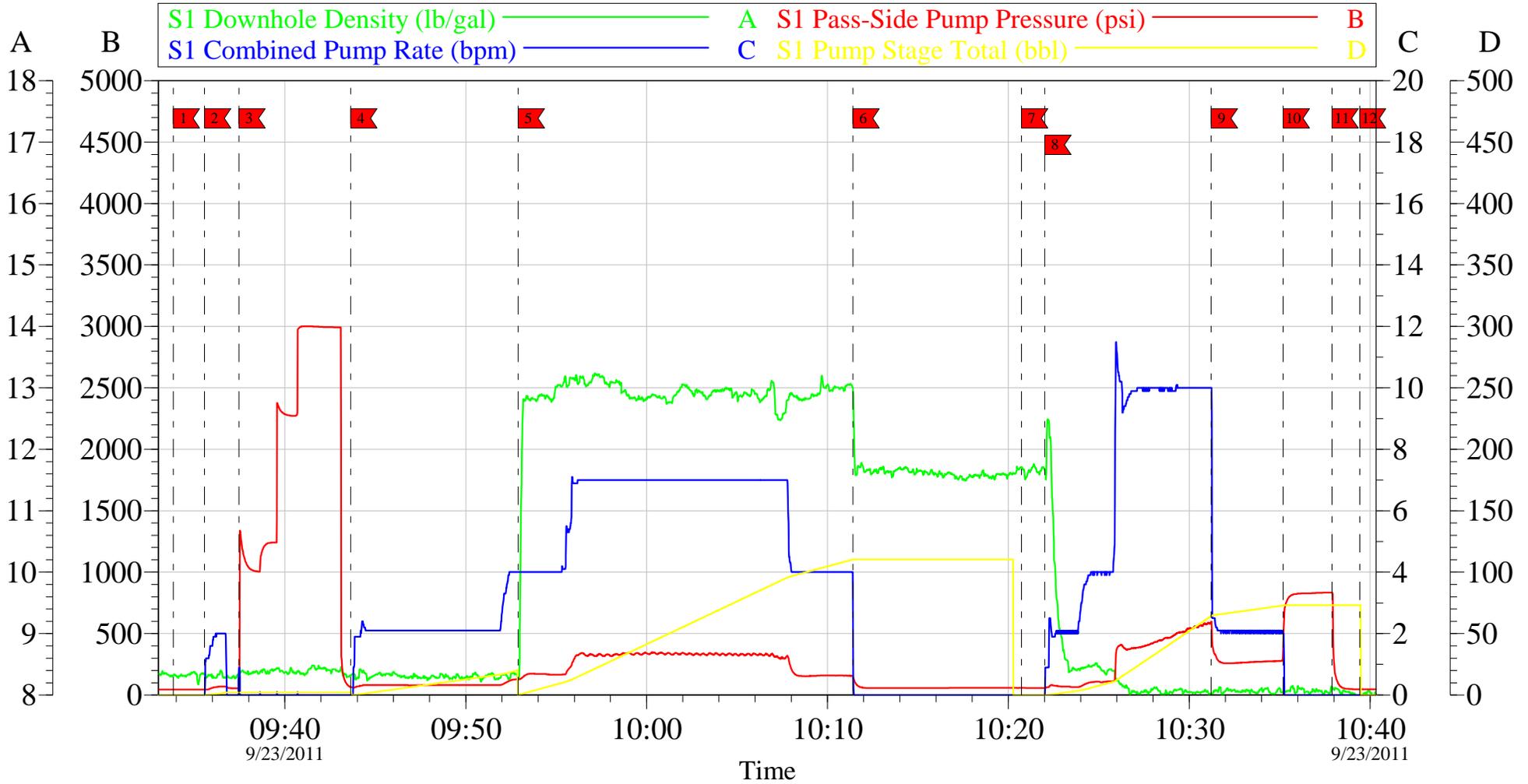
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	09/22/2011 18:30							Crew waiting in field for next job.
Pre-Convoy Safety Meeting	09/22/2011 23:45							Including entire cement crew.
Crew Leave Yard	09/23/2011 00:00							
Arrive At Loc	09/23/2011 01:45							Rig still drilling.
Assessment Of Location Safety Meeting	09/23/2011 08:30							Water; PH 7; KCL 250; So4 <200; Fe 0; Calcium 120; Chlorides 0; Temp 64; TDS 70.
Pre-Rig Up Safety Meeting	09/23/2011 08:35							Including entire cement crew.
Rig-Up Equipment	09/23/2011 08:45							1 Elite # 2; 1 660 bulk truck; 1 hard line to floor; 1 line to upright; 1 line to rig tank. 9.625" compact head.
Rig-Up Completed	09/23/2011 09:15							
Pre-Job Safety Meeting	09/23/2011 09:20							Including everyone on location.
Start Job	09/23/2011 09:33							TD 1001; TP 986; SJ 42.52; OH 13.5; Casing 9.625" 32.3# H-40; Mud 9.6 ppg.
Pump Water	09/23/2011 09:34		2	2			68.0	Fill lines with fresh water.
Test Lines	09/23/2011 09:37						2995.0	Good pressure test, no leaks.
Pump Spacer 1	09/23/2011 09:43		4	20			160.0	20 BBL fresh water spacer.
Pump Tail Cement	09/23/2011 09:52		8	116.4			327.0	310 sks Tail Cement, 12.8 ppg, 2.11 cf3, 11.75 gal/sk.

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Shutdown	09/23/2011 10:11							
Drop Plug	09/23/2011 10:20							Plug left container.
Pump Displacement	09/23/2011 10:22		10	64.1			575.0	Fresh water displacement. Got 14 BBL good cement to surface.
Slow Rate	09/23/2011 10:31		2	10			290.0	Slow rate 10 BBL's prior to bumping the plug.
Bump Plug	09/23/2011 10:35				74.1		830.0	Bumped plug, took 500 PSI over.
Check Floats	09/23/2011 10:37							Floats held, .5 BBL back
End Job	09/23/2011 10:39							
Pre-Rig Down Safety Meeting	09/23/2011 10:45							Including entire cement crew.
Rig-Down Equipment	09/23/2011 10:50							
Rig-Down Completed	09/23/2011 11:50							
Pre-Convoy Safety Meeting	09/23/2011 11:55							Including entire cement crew.
Crew Leave Location	09/23/2011 12:00							Crew leave location for Service Center or another location.
Other	09/23/2011 12:00							Thank You for using Halliburton. Ed Arnold and Crew.

Williams

9.625 Sruface

PA 333-20



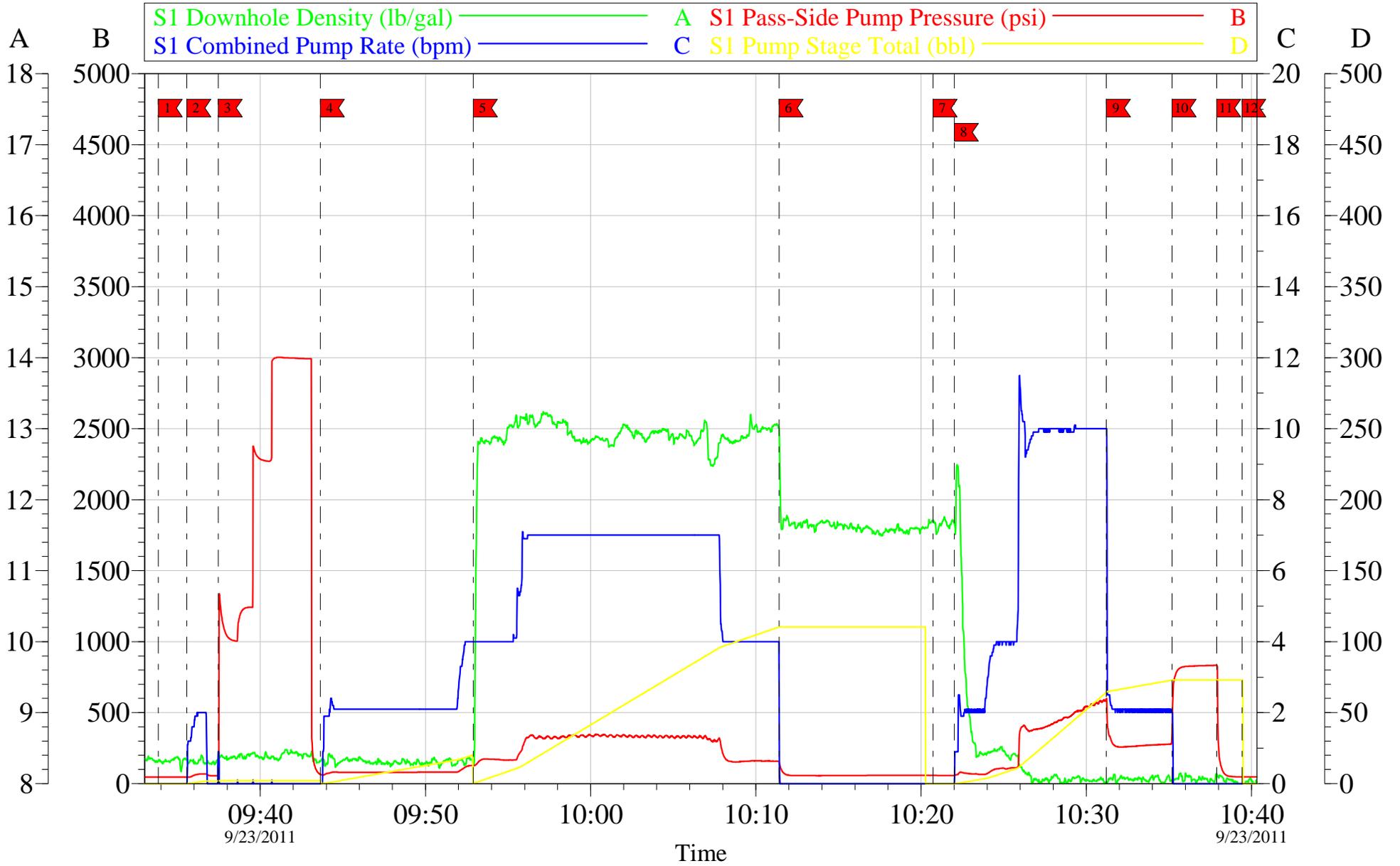
Local Event Log					
1	Start Job	09:33:50	2	Fill Lines	09:35:33
3	Test Lines	09:37:27	4	H2O Spacer	09:43:39
5	Tail Cement	09:52:54	6	Shut Down	10:11:25
7	Drop Plug	10:20:44	8	H2O Displacement	10:22:01
9	Slow Rate	10:31:13	10	Bump Plug	10:35:12
11	Check Floats	10:37:54	12	End Job	10:39:25

Customer: Williams	Job Date: 23-Sep-2011	Sales Order #: 8469953
Well Description: PA 333-20	Job Type: 9.625 Surface	ADC Used: Yes
Company Rep: Jermy Harison	Cement Supervisor: Ed Arnold	Elite # 2: Reggie Miller

Williams

9.625 Surface

PA 333-20



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Company Rep: Jermy Harison	Cement Supervisor: Ed Arnold	Elite # 2: Reggie Miller

Sales Order #: 8469953	Line Item: 10	Survey Conducted Date: 9/23/2011
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JERRY HARISON		API / UWI: (leave blank if unknown) 05-045-20256
Well Name: PA		Well Number: 333-20
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	9/23/2011
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	JERRY HARISON
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 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	9/23/2011
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)	1.25
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	5
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 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	92
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