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**WILLIAMS PRODUCTION RMT INC - EBUS**

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**PA 41-29  
PARACHUTE  
Garfield County , Colorado**

**Cement Surface Casing**  
**18-Oct-2011**

**Post Job Summary**

## The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2879980	Quote #:	Sales Order #: 8489680
Customer: WILLIAMS PRODUCTION RMT INC - EBUS	Customer Rep: Towers, Ron		
Well Name: PA	Well #: 41-29	API/UWI #: 05-045-10531	
Field: PARACHUTE	City (SAP): OKLAHOMA CITY	County/Parish: Garfield	State: Colorado
Lat: N 39.5 deg. OR N 39 deg. 29 min. 58.772 secs.		Long: W 108.013 deg. OR W -109 deg. 59 min. 12.862 secs.	
Contractor: Nabors Industries LTD.	Rig/Platform Name/Num: Nabors 574		
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: KOHL, KYLE	Srv 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	9	439784	BRENNECKE, ANDREW Bailey	9	486345	KUKUS, CHRISTOPHER A	9	413952
MILLER II, MATTHEW Reginald	9	425164						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10205677	60 mile	10551730C	60 mile	10784053	60 mile	10973571	60 mile
11583933	60 mile						

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
10.18.2011	9	3.5						

**TOTAL** Total is the sum of each column separately

## Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	18 - Oct - 2011	11:30	MST
Form Type		BHST	Job Started	18 - Oct - 2011	16:31	MST
Job depth MD	2835. ft	Job Depth TVD	Job Completed	18 - Oct - 2011	18:29	MST
Water Depth		Wk Ht Above Floor	Departed Loc	18 - Oct - 2011	20:00	MST
Perforation Depth (MD)	From	To				

## 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				.	2835.		
9 5/8" Surface Casing	New		9.625	9.001	32.3		H-40	.	2809.		

Sales/Rental/3<sup>rd</sup> 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

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /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 Lead	VERSACEM (TM) SYSTEM (452010)	515.0	sacks	12.3	2.38	13.75	6.5	13.75
	13.75 Gal	FRESH WATER							
3	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	6.5	11.75
	11.75 Gal	FRESH WATER							
4	Displacement Fluid		217.00	bbl	8.34	.0	.0	9.3	
Calculated Values		Pressures		Volumes					
Displacement	217.7	Shut In: Instant		Lost Returns	0	Cement Slurry	278.4	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	67	Actual Displacement	217.7	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	516
Rates									
Circulating	RIG	Mixing	6.5	Displacement	9.3	Avg. Job	7.9		
Cement Left In Pipe	Amount	42.95 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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<b>Customer:</b> WILLIAMS PRODUCTION RMT INC - EBUS				<b>Customer Rep:</b> Towers, Ron			
<b>Well Name:</b> PA			<b>Well #:</b> 41-29			<b>API/UWI #:</b> 05-045-10531	
<b>Field:</b> PARACHUTE		<b>City (SAP):</b> OKLAHOMA CITY		<b>County/Parish:</b> Garfield		<b>State:</b> Colorado	
<b>Legal Description:</b>							
<b>Lat:</b> N 39.5 deg. OR N 39 deg. 29 min. 58.772 secs.				<b>Long:</b> W 108.013 deg. OR W -109 deg. 59 min. 12.862 secs.			
<b>Contractor:</b> Nabors Industries LTD.			<b>Rig/Platform Name/Num:</b> Nabors 574				
<b>Job Purpose:</b> Cement Surface Casing						<b>Ticket Amount:</b>	
<b>Well Type:</b> Development Well			<b>Job Type:</b> Cement Surface Casing				
<b>Sales Person:</b> KOHL, KYLE			<b>Srvc Supervisor:</b> ARNOLD, EDWARD			<b>MBU ID Emp #:</b> 439784	

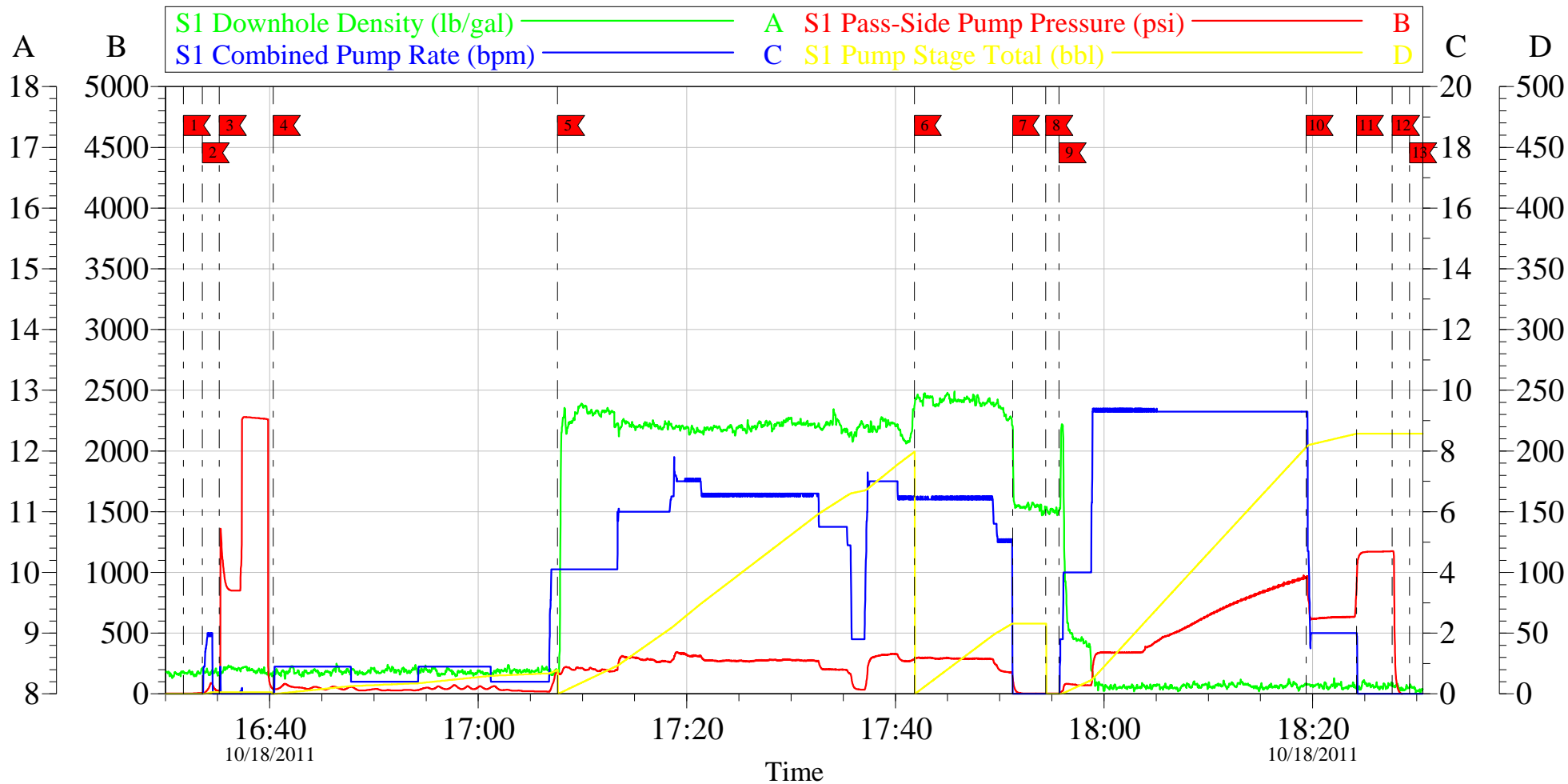
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	10/18/2011 07:30							
Pre-Convoy Safety Meeting	10/18/2011 09:30							Including entire cement crew.
Crew Leave Yard	10/18/2011 09:45							
Arrive At Loc	10/18/2011 11:30							Rig still Running casing.
Assessment Of Location Safety Meeting	10/18/2011 15:00							Water; PH 7; KCL 250; So4 <200; Fe 0; Calcium 120; Chlorides 0; Temp 58; TDS 250.
Pre-Rig Up Safety Meeting	10/18/2011 15:05							Including entire cement crew.
Rig-Up Equipment	10/18/2011 15:10							1 Elite # 2; 1 660 bulk truck; 1 field storage silo; 1 hard line to floor; 1 line to upright; 1 line to rig tank. 9.625" compact head.
Rig-Up Completed	10/18/2011 15:55							
Pre-Job Safety Meeting	10/18/2011 16:10							Including everyone on location.
Start Job	10/18/2011 16:31							TD 2835; TP 2783; SJ 42.95; OH 13.5; Casing 9.625" 32.3# H-40; Mud 10.2 ppg.
Pump Water	10/18/2011 16:33		2	2			27.0	Fill lines with fresh water.
Test Lines	10/18/2011 16:35					2270.0		Good pressure test, no leaks.
Pump Spacer 1	10/18/2011 16:40		4	20			175.0	20 BBL fresh water spacer.

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	10/18/2011 17:07		6.5	218.3			280.0	515 sks Lead Cement, 12.3 ppg, 2.38 cf3, 13.75 gal/sk. Had delivery issues from silo, line packed off twice. fixed issue before going to cement
Pump Tail Cement	10/18/2011 17:41		6.5	60.1			280.0	160 sks Tail Cement, 12.8 ppg, 2.11 cf3, 11.75 gal/sk.
Shutdown	10/18/2011 17:51							
Drop Plug	10/18/2011 17:54							Plug left container.
Pump Displacement	10/18/2011 17:55		9.3	207.7			957.0	Fresh water displacement.
Slow Rate	10/18/2011 18:14		2	10			633.0	Slow rate 10 BBL's prior to bumping the plug.
Bump Plug	10/18/2011 18:24				217.7		1160.0	Bumped plug, took 500 PSI over. Got 67 BBL good cement to surface.
Check Floats	10/18/2011 18:27							Floats held, 1.25 BBL back
End Job	10/18/2011 18:29							
Pre-Rig Down Safety Meeting	10/18/2011 18:35							Including entire cement crew.
Rig-Down Equipment	10/18/2011 18:40							
Rig-Down Completed	10/18/2011 19:40							
Pre-Convoy Safety Meeting	10/18/2011 19:50							Including entire cement crew.
Crew Leave Location	10/18/2011 20:00							Crew leave location for Service Center or another location.
Other	10/18/2011 20:00							Thank You for using Halliburton. Ed Arnold and Crew.

# WILLIAMS

9.625 Surface

KP 41-29



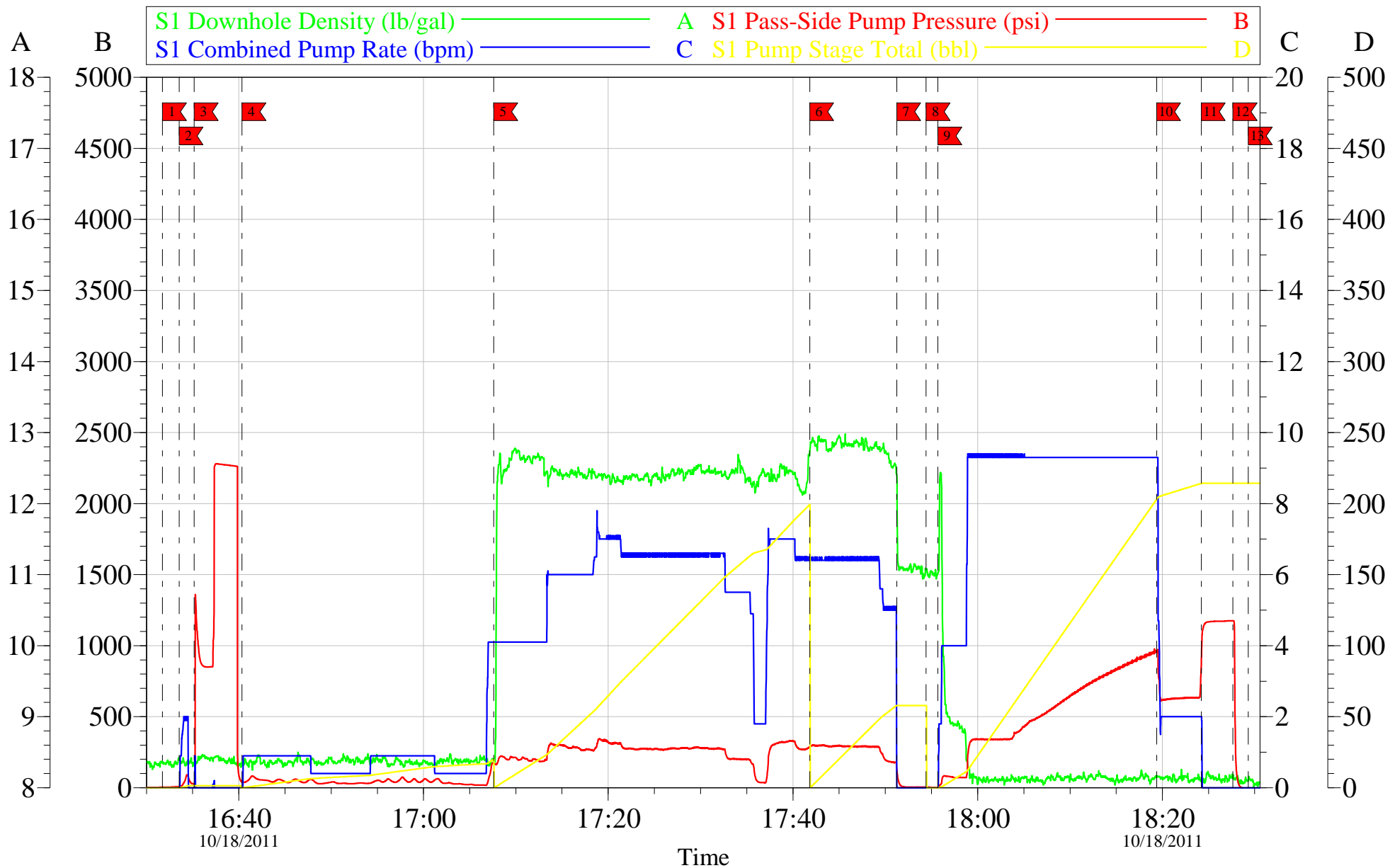
Customer: Williams	Job Date: 18-Oct-2011	Sales Order #: 8489680
Well Description: PA 41-29	Job Type: Surface	ADC Used: Yes
Company Rep: Mike Owen	Cement Supervisor: Ed Arnold	Elite # 2: Andrew Brennecke

OptiCem v6.4.10  
18-Oct-11 19:01

# WILLIAMS

9.625 Surface

KP 41-29



Customer: Williams	Job Date: 18-Oct-2011	Sales Order #: 8489680
Well Description: PA 41-29	Job Type: Surface	ADC Used: Yes
Company Rep: Mike Owen	Cement Supervisor: Ed Arnold	Elite # 2: Andrew Brennecke

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18-Oct-11 19:02

<b>Sales Order #:</b> 8489680	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 10/18/2011
<b>Customer:</b> WILLIAMS PRODUCTION RMT INC - EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> MIKE OLSEN		<b>API / UWI: (leave blank if unknown)</b> 05-045-10531
<b>Well Name:</b> PA		<b>Well Number:</b> 41-29
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> 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	10/18/2011
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	MIKE OLSEN
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	GOOD JOB!
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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<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

*KEY PERFORMANCE INDICATORS*

General	
<b>Survey Conducted Date</b> The date the survey was conducted	10/18/2011

Cementing KPI Survey	
<b>Type of Job</b> Select the type of job. (Cementing or Non-Cementing)	0
<b>Select the Maximum Deviation range for this Job</b> What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
<b>Total Operating Time (hours)</b> Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	3.5
<b>HSE Incident, Accident, Injury</b> HSE Incident, Accident, Injury. This should be recordable incidents only.	No
<b>Was the job purpose achieved?</b> Was the job delivered correctly as per customer agreed design?	Yes
<b>Operating Hours (Pumping Hours)</b> Total number of hours pumping fluid on this job. Enter in decimal format.	2
<b>Customer Non-Productive Rig Time (hrs)</b> 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
<b>Type of Rig Classification Job Was Performed</b> Type Of Rig (classification) Job Was Performed On	Drilling Rig (Portable)
<b>Number Of JSAs Performed</b> Number Of Jsas Performed	5
<b>Number of Unplanned Shutdowns</b> Unplanned shutdown is when injection stops for any period of time.	0
<b>Was this a Primary Cement Job (Yes / No)</b>	Yes

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<b>Well Name:</b> PA		<b>Well Number:</b> 41-29
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
<b>Did We Run Wiper Plugs?</b> Did We Run Top And Bottom Casing Wiper Plugs?	Top
<b>Mixing Density of Job Stayed in Designed Density Range (0-100%)</b> Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	95
<b>Was Automated Density Control Used?</b> Was Automated Density Control (ADC) Used ?	Yes
<b>Pump Rate (percent) of Job Stayed At Designed Pump Rate</b> 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
<b>Nbr of Remedial Sqz Jobs Rqd - Competition</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
<b>Nbr of Remedial Plug Jobs Rqd - HES</b> Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
<b>Nbr of Remedial Sqz Jobs Rqd - HES</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0