
WILLIAMS PRODUCTION RMT INC - EBUS

**KP 541-28
MAMM CREEK
Garfield County , Colorado**

Cement Surface Casing
14-Oct-2011

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2879985	Quote #:	Sales Order #: 8489672
Customer: WILLIAMS PRODUCTION RMT INC - EBUS	Customer Rep: Nicholas, Larry		
Well Name: KP	Well #: 541-28	API/UWI #: 05-045-20704	
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Lat: N 39.506 deg. OR N 39 deg. 30 min. 20.027 secs.	Long: W 107.552 deg. OR W -108 deg. 26 min. 54.323 secs.		
Contractor: CYCLONE 30	Rig/Platform Name/Num: CYCLONE 30		
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	8.5	439784	BRENNECKE, ANDREW Bailey	8.5	486345	KUKUS, CRAIG A	8.5	369124
MILLER II, MATTHEW Reginald	8.5	425164						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10011429	60 mile	10025118	60 mile	10551730C	60 mile	10741259	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
10.14.2011	8.5	3						

TOTAL	Total is the sum of each column separately							
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Job

Job Times

Formation Name						Date	Time	Time Zone	
Formation Depth (MD)	Top			Bottom		Called Out	14 - Oct - 2011	09:00	MST
Form Type			BHST			On Location	14 - Oct - 2011	13:30	MST
Job depth MD	1373. ft		Job Depth TVD		1373. ft	Job Started	14 - Oct - 2011	17:25	MST
Water Depth			Wk Ht Above Floor		3. ft	Job Completed	14 - Oct - 2011	18:23	MST
Perforation Depth (MD)	From			To		Departed Loc	14 - Oct - 2011	20:00	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
Open Hole				13.5				.	1373.		
Surface Casing	Unknown		9.625	9.001	32.3		H-40	.	1353.		

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	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	Lead Cement	VERSACEM (TM) SYSTEM (452010)	200.0	sacks	12.3	2.38	13.75	7	13.75
	13.75 Gal	FRESH WATER							
3	Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	7	11.75
	11.75 Gal	FRESH WATER							
4	Displacement Fluid		103.00	bbl	8.34	.0	.0	9.5	
Calculated Values		Pressures		Volumes					
Displacement	103	Shut In: Instant		Lost Returns	0	Cement Slurry	144.8	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	5	Actual Displacement	103	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	233.1
Rates									
Circulating	RIG	Mixing	7	Displacement	9.5	Avg. Job	8.25		
Cement Left In Pipe	Amount	44 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: KP	Well #: 541-28	API/UWI #: 05-045-20704	
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.506 deg. OR N 39 deg. 30 min. 20.027 secs.		Long: W 107.552 deg. OR W -108 deg. 26 min. 54.323 secs.	
Contractor: CYCLONE 30		Rig/Platform Name/Num: CYCLONE 30	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: KOHL, KYLE		Srv Supervisor: ARNOLD, EDWARD	MBU ID Emp #: 439784

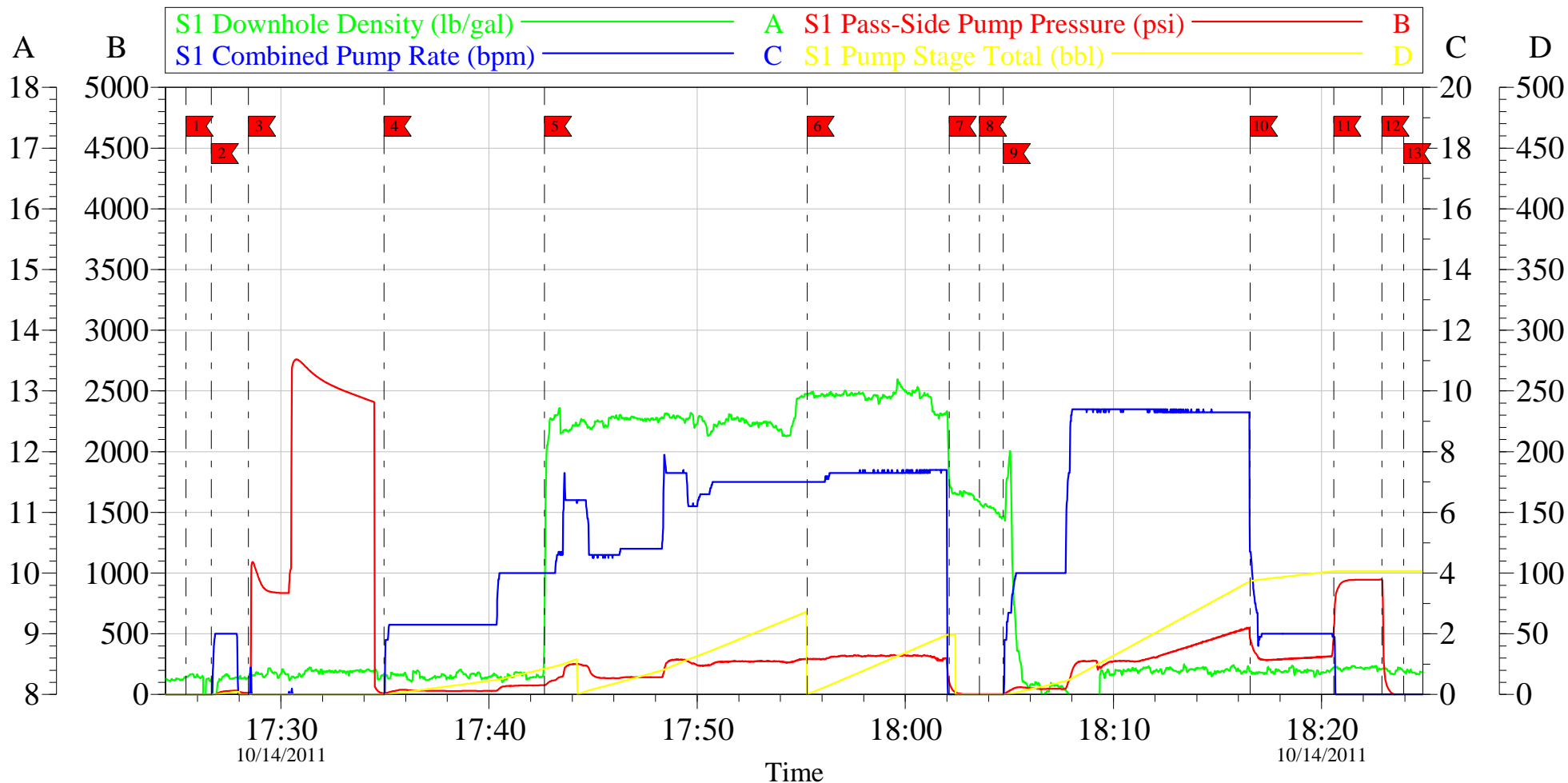
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	10/14/2011 09:00							
Pre-Convoy Safety Meeting	10/14/2011 10:50							Including entire cement crew.
Crew Leave Yard	10/14/2011 11:00							
Arrive At Loc	10/14/2011 13:30							Rig rigging up Casing Crew.
Assessment Of Location Safety Meeting	10/14/2011 16:30							Water; PH 7; KCL 0; So4 <200; Fe 3; Calcuim 100; Chlorides 500; Temp 60; TDS 250.
Rig-Up Equipment	10/14/2011 16:40							1 Elite # 2; 1 660 bulk truck; 400 bulk truck; 1 hard line to floor; 2 lines to upright. 9.625" compact head.
Rig-Up Completed	10/14/2011 16:50							
Pre-Job Safety Meeting	10/14/2011 17:00							Including everyone on location.
Start Job	10/14/2011 17:25							TD 1373; TP 1353; SJ 44; OH 13.5; Casing 9.625" 32.3#; Mud 9.5 ppg.
Pump Water	10/14/2011 17:26		2	2			15.0	Fill lines with fresh water.
Test Lines	10/14/2011 17:28					2760.0		Good pressure test, no leaks.
Pump Spacer 1	10/14/2011 17:34		4	20			82.0	20 BBL fresh water spacer.
Pre-Rig Up Safety Meeting	10/14/2011 17:35							Including entire cement crew.
Pump Lead Cement	10/14/2011 17:42		8	84.7			300.0	200 sks Lead Cement, 12.3 ppg, 2.38 cf3, 13.75 gal/sk.

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	10/14/2011 17:55		8	60.1			290.0	160 sks Tail Cement, 12.8 ppg, 2.11 cf3, 11.75 gal/sk.
Shutdown	10/14/2011 18:02							
Drop Plug	10/14/2011 18:03							Plug left container.
Pump Displacement	10/14/2011 18:04		10	93			570.0	Fresh water displacement. 5 BBL Good Cement to surface.
Slow Rate	10/14/2011 18:16		2	10			330.0	Slow rate 10 BBL's prior to bumping the plug.
Bump Plug	10/14/2011 18:20				103		864.0	Bumped plug, took 500 PSI over.
Check Floats	10/14/2011 18:22							Floats held, .5 BBL back
End Job	10/14/2011 18:23							
Pre-Rig Down Safety Meeting	10/14/2011 18:25							Including entire cement crew.
Rig-Down Equipment	10/14/2011 18:30							
Rig-Down Completed	10/14/2011 19:30							
Pre-Convoy Safety Meeting	10/14/2011 19:45							Including entire cement crew.
Crew Leave Location	10/14/2011 20:00							Crew leave location for Service Center or another location.
Other	10/14/2011 20:00							Thank You for using Halliburton. Ed Arnold and Crew.

WILLIAMS

9625 Surface

KP 541-28



Local Event Log					
1	Start Job	17:25:27	2	Fill Lines	17:26:40
3	Test Lines	17:28:27	4	H2O Spacer	17:34:57
5	Lead Cement	17:42:40	6	Tail Cement	17:55:17
7	Shut Down	18:02:07	8	Drop Plug	18:03:34
9	H2O Displacement	18:04:42	10	Slow Rate	18:16:34
11	Bump Plug	18:20:35	12	Check Floats	18:22:54
13	End Job	18:23:57			

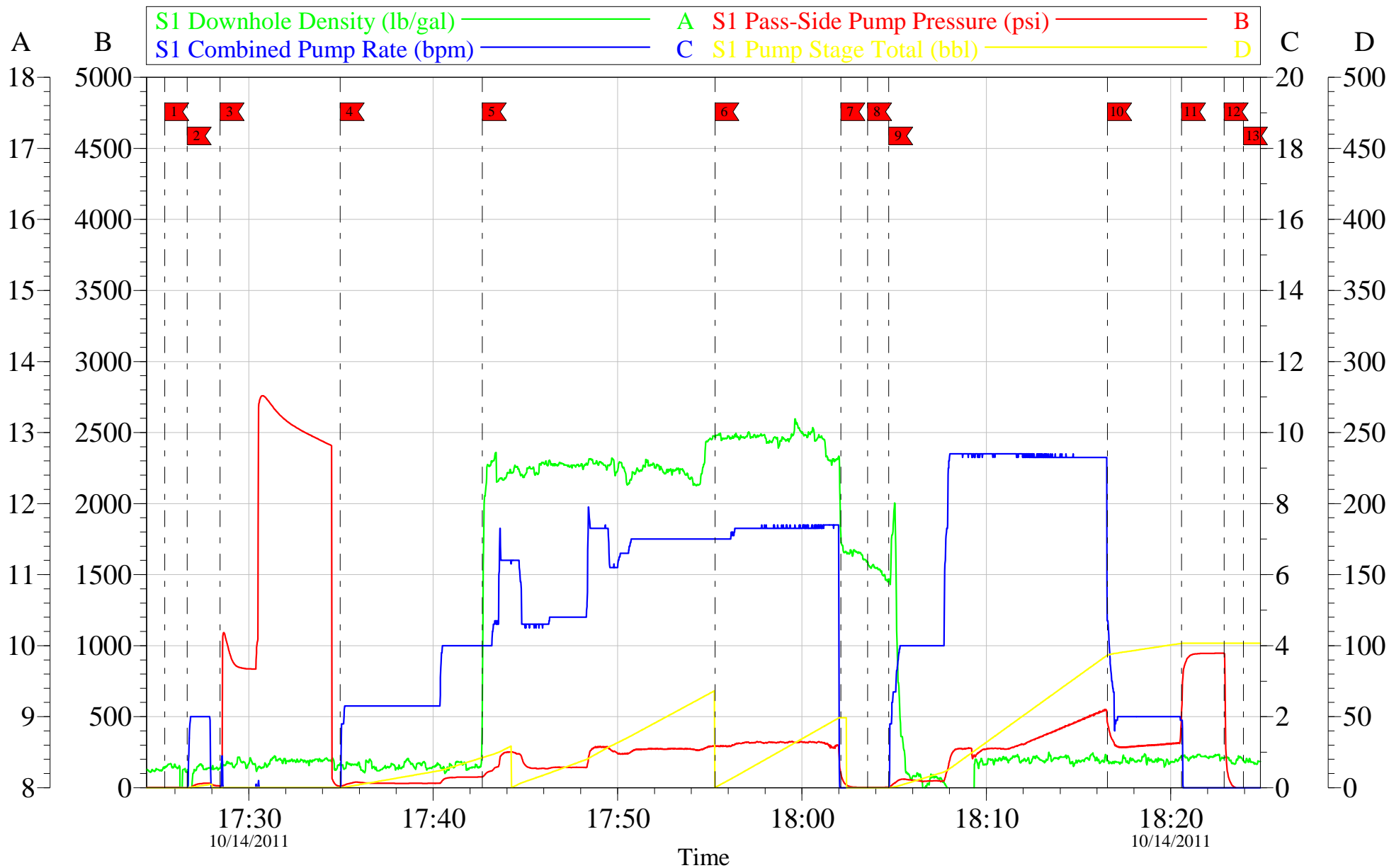
Customer:	Williams	Job Date:	14-Oct-2011	Sales Order #:	8489672
Well Description:	KP 541-28	Job Type:	9.625 Surface	ADC Used:	Yes
Company Rep:	Larry Nicholas	Cement Supervisor:	Ed Arnold	Elite # 2:	Craig Kukus

OptiCem v6.4.10
14-Oct-11 18:48

WILLIAMS

9625 Surface

KP 541-28



Customer: Williams
Well Description: KP 541-28
Company Rep: Larry Nicholas

Job Date: 14-Oct-2011
Job Type: 9.625 Surface
Cement Supervisor: Ed Arnold

Sales Order #: 8489672
ADC Used: Yes
Elite # 2: Craig Kukus

OptiCem v6.4.10
14-Oct-11 18:49

Sales Order #: 8489672	Line Item: 10	Survey Conducted Date: 10/14/2011
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: LARRY NICKOLAS		API / UWI: (leave blank if unknown) 05-045-20704
Well Name: KP		Well Number: 541-28
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	10/14/2011
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	LARRY NICKOLAS
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 THANKS
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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Customer Representative: LARRY NICKOLAS		API / UWI: (leave blank if unknown) 05-045-20704
Well Name: KP		Well Number: 541-28
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 The date the survey was conducted	10/14/2011

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.	3
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.	1.5
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	Drilling Rig (Portable)
Number Of JSAs Performed Number Of Jsas Performed	5
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: KP		Well Number: 541-28
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	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