
WILLIAMS PRODUCTION RMT INC - EBUS

**PA 24-20
PARACHUTE
Garfield County , Colorado**

Cement Surface Casing

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2884189	Quote #:	Sales Order #: 8542933
Customer: WILLIAMS PRODUCTION RMT INC - EBUS	Customer Rep: Harrison, Jeremy		
Well Name: PA	Well #: 24-20	API/UWI #: 05-045-20240	
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.504 deg. OR N 39 deg. 30 min. 14.281 secs.	Long: W 108.019 deg. OR W -109 deg. 58 min. 51.2 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	Srv Supervisor: ROSS, CHARLES	MBU ID Emp #: 453128	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BATH, KYLE Thomas	8.5	477632	BECK, MICHAEL George	8.5	489151	KUKUS, CARLTON Dean	8.5	458577
ROSS, CHARLES Raymond	8.5	453128						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10722398	60 mile	10744648C	60 mile	10998508	60 mile	11139330	60 mile
11259881	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
10/26/2011	7	2						

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	25 - Oct - 2011	15:30	MST
Form Type		BHST	Job Started	25 - Oct - 2011	19:44	MST
Job depth MD	1035. ft	Job Depth TVD	Job Started	25 - Oct - 2011	02:09	MST
Water Depth		Wk Ht Above Floor	Job Completed	25 - Oct - 2011	03:19	MST
Perforation Depth (MD)	From	To	Departed Loc	26 - Oct - 2011	04:15	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				.	1035.		
9 5/8" Surface Casing	New		9.625	9.001	32.3		H-40	.	1020.		

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	9 5/8"	1	
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	.0	
2	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	310.0	sacks	12.8	2.11	11.75		11.75
11.75 Gal		FRESH WATER							
3	Displacement Fluid		77.00	bbl	8.34	.0	.0	.0	
Calculated Values		Pressures		Volumes					
Displacement	76.9	Shut In: Instant		Lost Returns	NONE	Cement Slurry	116.5	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	26	Actual Displacement	76.9	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	214
Rates									
Circulating	15.5	Mixing	5.8	Displacement	5.5	Avg. Job	3.3		
Cement Left In Pipe	Amount	43.5 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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Well Name: PA			Well #: 24-20			API/UWI #: 05-045-20240	
Field: PARACHUTE		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39.504 deg. OR N 39 deg. 30 min. 14.281 secs.				Long: W 108.019 deg. OR W -109 deg. 58 min. 51.2 secs.			
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: ROSS, CHARLES			MBU ID Emp #: 453128	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	10/25/2011 15:30							
Pre-Convoy Safety Meeting	10/25/2011 17:35							WITH ALL HES EE'S
Depart from Service Center or Other Site	10/25/2011 17:45							
Arrive at Location from Service Center	10/25/2011 19:44							
Assessment Of Location Safety Meeting	10/26/2011 01:00							WITH ALL HES EE'S
Pre-Rig Up Safety Meeting	10/26/2011 01:03							WITH ALL HES EE'S
Rig-Up Equipment	10/26/2011 01:10							1-F550 PICKUP, 1-ELITE PUMP TRUCK, 1-660 CEMENT BULK TRUCK, 1-HARD LINE TO RIG AND WASH UP OUT TO THE CELLAR FROM MANIFOLD, 1- 9 5/8" PLUG CONTAINER.
Pre-Job Safety Meeting	10/26/2011 02:00							WITH ALL HES EE'S AND RIG CREW
Start Job	10/26/2011 02:09							TD 1035, 9 5/8 32.3# CASING SET @ 1020, SJ 43.50, FC 976.5 MW# 9.5, RIG CIRCULATED 30 MIN PRIOR TO CEMENT JOB, HEAD AND CASING CHAINED DOWN BECAUSE OF PSI TO LIFT
Pump Water	10/26/2011 02:10		2	2			28.0	FILL LINES, FRESH WATER
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

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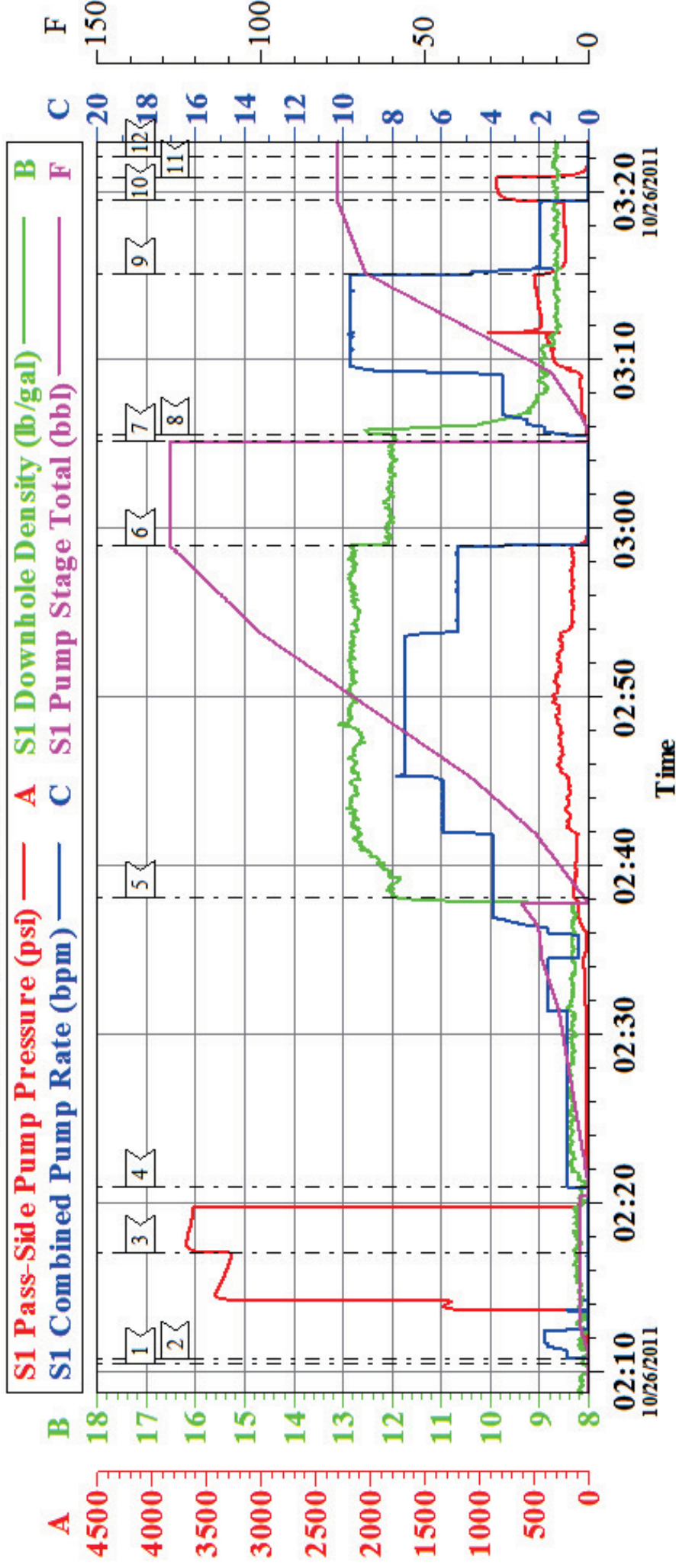
SUMMIT Version: 7.2.27

Wednesday, October 26, 2011 04:06:00

		#		Stage	Total	Tubing	Casing	
Test Lines	10/26/2011 02:17							TEST TO 3700 PSI
Pump Spacer 1	10/26/2011 02:20		4	20			99.0	FRESH WATER
Pump Tail Cement	10/26/2011 02:37		7.5	116.5			301.0	310 SKS OF VERSACEM PUMPED @ 12.8 PPG, YIELD 2.11, WATER 11.75
Shutdown	10/26/2011 02:58							
Drop Plug	10/26/2011 03:05							TOP PLUG, PLUG WENT
Pump Displacement	10/26/2011 03:05		10	76.9			550.0	FRESH WATER
Slow Rate	10/26/2011 03:15		2	66			230.0	RATE SLOWED 10 BBL PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	10/26/2011 03:19		2	76.9			230.0	PLUG LANDED. PRESSURED UP TO 850 PSI.
Check Floats	10/26/2011 03:20							FLOATS HELD
End Job	10/26/2011 03:22							GOOD RETURNS THROUGHOUT JOB, NO MOVEMENT OF PIPE THROUGHOUT JOB, 26 BBLS OF CEMENT CIRCULATED TO THE PIT=69.2 SKS
Post-Job Safety Meeting (Pre Rig-Down)	10/26/2011 03:30							WITH ALL HES EE'S
Rig-Down Equipment	10/26/2011 03:35							
Pre-Convoy Safety Meeting	10/26/2011 04:10							WITH ALL HES EE'S
Depart Location for Service Center or Other Site	10/26/2011 04:15							THANKS FOR USING GRAND JUNCTION HALLIBURTON CEMENT DEPARTMENT, CHUCK ROSS AND CREW

WILLIAMS

CEMENT 9 5/8" SURFACE CASING PA 24-20

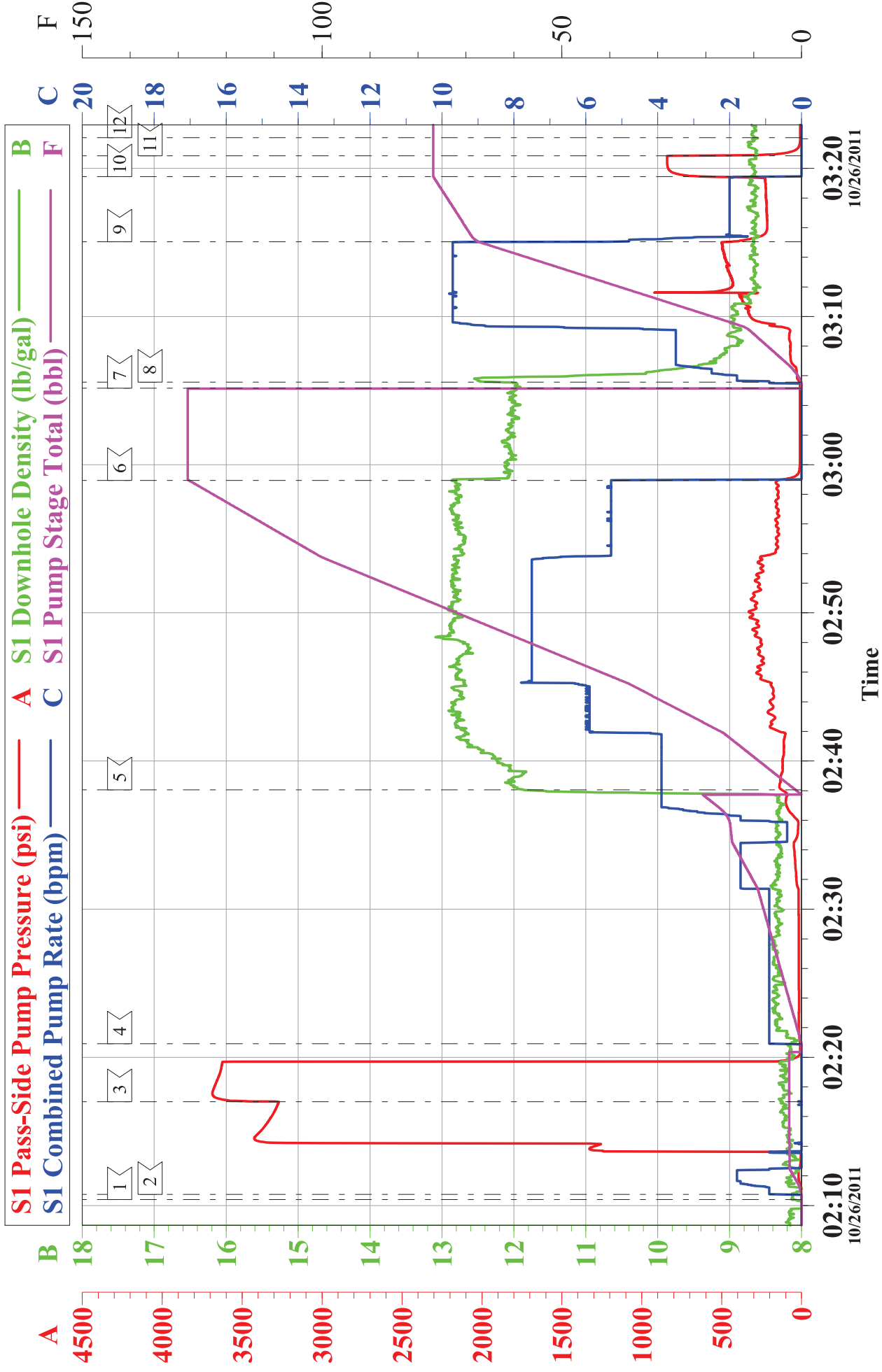


Local Event Log			
	Maximum	Maximum	SPPP
1 START JOB	02:10:24	-7.000	02:10:45 3424
3 PRESSURE TEST	02:17:01	3686	02:20:55 125.7
5 PUMP TAIL CEMENT	02:38:04	332.0	02:58:57 149.0
7 DROP PLUG	03:05:10	14.00	03:05:35 922.0
9 SLOW RATE	03:15:03	564.2	03:19:26 842.0
11 CHECK FLOATS	03:20:51	822.0	03:22:04 9.000

Customer: WILLIAMS	Job Date: 25-Oct-2011	Sales Order #: 8542933
Well Description: PA 24-20	Job type: SURFACE	ADC Used: YES
Customer Rep: JEREMY HARRISON	Service Supervisor: CHUCK ROSS	Operator/ Pump: MIKE BECK

WILLIAMS

CEMENT 9 5/8" SURFACE CASING PA 24-20



Customer:	WILLIAMS	Job Date:	25-Oct-2011	Sales Order #:	8542933
Well Description:	PA 24-20	Job type:	SURFACE	ADC Used:	YES
Customer Rep:	JEREMY HARRISON	Service Supervisor:	CHUCK ROSS	Operator/ Pump:	MIKE BECK

Sales Order #: 8542933	Line Item: 10	Survey Conducted Date: 10/26/2011
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JEREMY HARRISON		API / UWI: (leave blank if unknown) 05-045-20240
Well Name: PA		Well Number: 24-20
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	10/26/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CHARLES ROSS (HB20648)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	JEREMY HARRISON
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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Customer Representative: JEREMY HARRISON		API / UWI: (leave blank if unknown) 05-045-20240
Well Name: PA		Well Number: 24-20
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 The date the survey was conducted	10/26/2011

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 biggest deviation for the job you just completed? This may not be the maximum well deviation	Deviated
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	1.17
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 open injection stops for an period of time	0
Was this a Primary Cement Job (Yes / No)	Yes

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Well Name: PA		Well Number: 24-20
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

Primar <input type="checkbox"/> Cement Job <input type="checkbox"/> Casing Job <input type="checkbox"/> Liner Job <input type="checkbox"/> or Tie-back Job <input type="checkbox"/>	
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs <input type="checkbox"/>	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	8
Was Automated Density Control Used? Was Automated Density Control (ADC) Used <input type="checkbox"/>	Yes
Pump Rate (percent) of Job Stayed At Designed Pump Rate Pump Rate range defined as +/- 1 bbl/min Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped multiplied by 100	8
Nbr of Remedial Square Jobs Rqd by Competition Number Of Remedial Square Jobs Required After Primary Job Performed By Competition	0
Nbr of Remedial Plug Jobs Rqd by HES Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
Nbr of Remedial Square Jobs Rqd by HES Number Of Remedial Square Jobs Required After Primary Job Performed By HES	0