

HALLIBURTON

WPX ENERGY ROCKY MOUNTAIN

**RWF 511-36
RULISON
Garfield County , Colorado**

Cement Surface Casing

12-Feb-2012

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2903404	Quote #:	Sales Order #: 9217405
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Oaks, Rick	
Well Name: RWF	Well #: 511-36	API/UWI #: 05-045-20775	
Field: RULISON	City (SAP): RIFLE	County/Parish: Garfield	State: Colorado
Lat: N 39.485 deg. OR N 39 deg. 29 min. 6.702 secs.		Long: W 107.84 deg. OR W -108 deg. 9 min. 36.09 secs.	
Contractor: NABORS 576	Rig/Platform Name/Num: NABORS 576		
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc Supervisor: SLAUGHTER, JESSE	MBU ID Emp #: 454315

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DOUT, JACOB J	4	430298	SLAUGHTER, JESSE Dean	4	454315	WOLFE, JON P	4	485217

Equipment

HES Unit #	Distance-1 way						
10783493	60 mile	10822007	60 mile	11360871	60 mile	11542767	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
2-12-2012	4	4						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	12 - Feb - 2012	05:00	MST
Form Type		BHST	Job Started	12 - Feb - 2012	09:00	MST
Job depth MD	1127.2 ft	Job Depth TVD	Job Completed	12 - Feb - 2012	10:26	MST
Water Depth		Wk Ht Above Floor	Departed Loc	12 - Feb - 2012	11:31	MST
Perforation Depth (MD)	From	To		12 - Feb - 2012	13:00	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
Sales/Rental/3rd Party (HES)											

Description

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

Stage/Plug #: 1

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	Fresh Water	FRESH WATER	20.00	bbl	8.33	.0	.0	4		
2	VersaCem Lead	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.3	2.38	13.75	6	13.75	
	13.75 Gal	FRESH WATER								
3	VersaCem Tail	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	6	11.75	
	11.75 Gal	FRESH WATER								
4	Displacement Fluid	FRESH WATER	85.2	bbl	8.34	.0	.0	8		
Calculated Values		Pressures		Volumes						
Displacement	85.2	Shut In: Instant		Lost Returns	NO	Cement Slurry	128	Pad		
Top Of Cement	25	5 Min		Cement Returns	25	Actual Displacement	85.2	Treatment		
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	233	
Rates										
Circulating		Mixing	6	Displacement	8	Avg. Job	7			
Cement Left In Pipe	Amount	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: RWF	Well #: 511-36	API/UWI #: 05-045-20775	
Field: RULISON	City (SAP): RIFLE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.485 deg. OR N 39 deg. 29 min. 6.702 secs.		Long: W 107.84 deg. OR W -108 deg. 9 min. 36.09 secs.	
Contractor: NABORS 576		Rig/Platform Name/Num: NABORS 576	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc Supervisor: SLAUGHTER, JESSE	MBU ID Emp #: 454315

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	02/12/2012 05:00							TD 1172 FT, TP 1127.26 FT, SHOE 44.4 FT, CSG 9 5/8 IN 32.3 LB/FT, HOLE 13 1/2 IN, MUD WT 9.9 PPG
Pre-Convoy Safety Meeting	02/12/2012 06:50							WITH ALL HES PERSONNEL
Crew Leave Yard	02/12/2012 07:00							
Arrive At Loc	02/12/2012 09:00							RIG WAS RUNNING CASING UPON HES ARRIVAL
Assessment Of Location Safety Meeting	02/12/2012 09:05							WITH ALL HES PERSONNEL
Other	02/12/2012 09:10							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	02/12/2012 09:20							WITH ALL HES PERSONNEL
Rig-Up Equipment	02/12/2012 09:30							
Pre-Job Safety Meeting	02/12/2012 10:15							WITH ALL PERSONNEL ON LOCATION
Start Job	02/12/2012 10:26							
Other	02/12/2012 10:26		2	2			40.0	FILL LINES WITH FRESH WATER
Test Lines	02/12/2012 10:28							TESTED LINES 4341 PSI PRESSURE HOLDING
Pump Spacer 1	02/12/2012 10:34		4	20			114.0	FRESH WATER
Pump Lead Cement	02/12/2012 10:43		6	67.8			172.0	160 SKS AT 12.3 PPG, 2.38 FT3/SK, 13.75 GAL/SK
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

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Quote #:

Sales Order #:

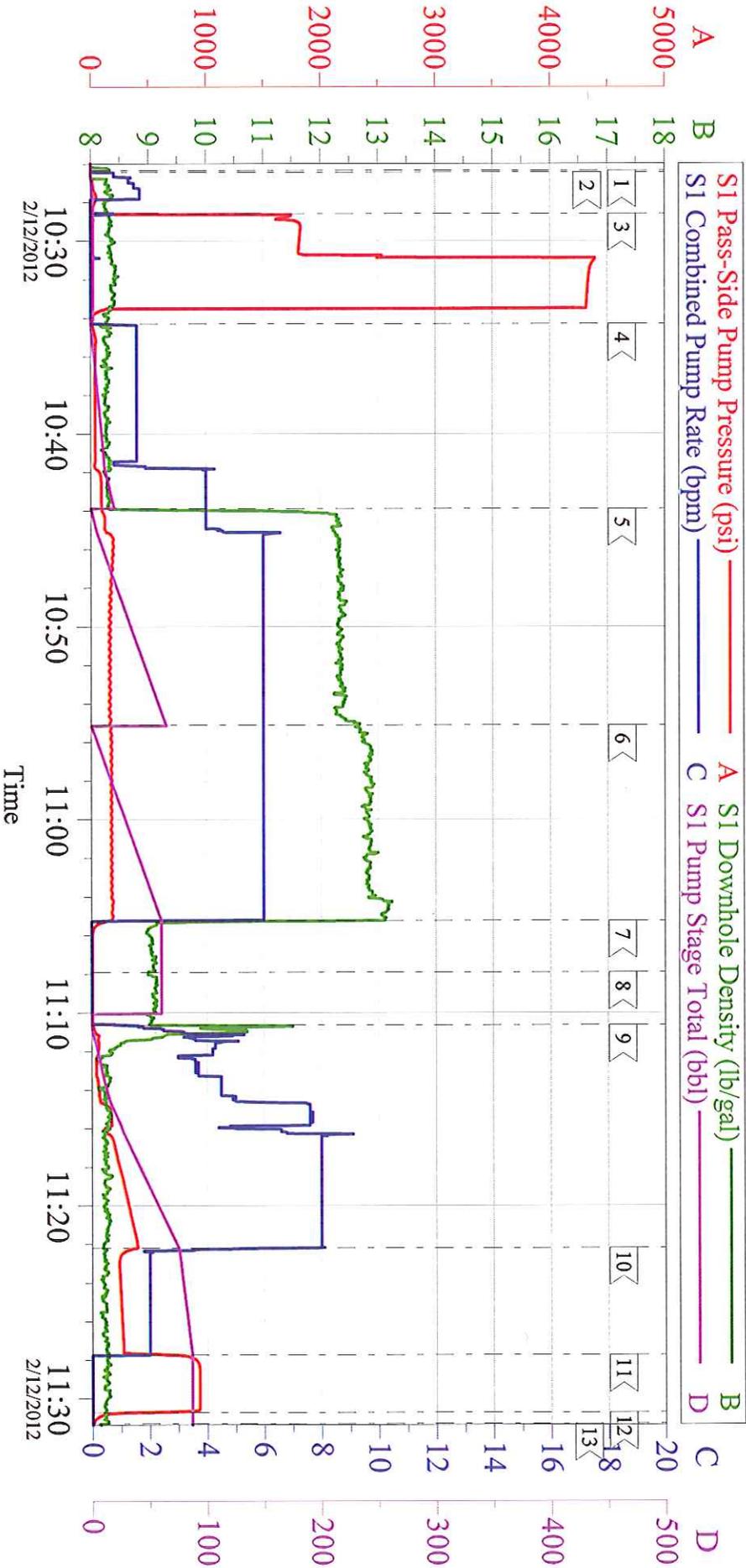
9217405

SUMMIT Version: 7.3.014

Friday, February 17, 2012 10:16:00

		#	Stage	Total	Tubing	Casing	
Pump Tail Cement	02/12/2012 10:55		6	60.1		177.0	160 SKS AT 12.8 PPG, 2.11 FT3/SK, 11.75 GAL/SK
Shutdown	02/12/2012 11:05						
Drop Top Plug	02/12/2012 11:07						PLUG LAUNCHED
Pump Displacement	02/12/2012 11:10		8	75.2		388.0	FRESH WATER
Slow Rate	02/12/2012 11:22		2	10		270.0	SLOW RATE 10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	02/12/2012 11:27		2		85.2	933.0	PLUG BUMPED
Check Floats	02/12/2012 11:30						FLOATS HOLDING. HES RETURNED 1 BBL H2O TO PUMP
End Job	02/12/2012 11:31						PIPE WAS STATIC DURING JOB, GOOD CIRCULATION THROUGHOUT JOB, HES RETURNED 25 BBL CEMENT TO SURFACE
Pre-Rig Down Safety Meeting	02/12/2012 11:35						WITH ALL HES PERSONNEL
Rig-Down Equipment	02/12/2012 11:40						
Pre-Convoy Safety Meeting	02/12/2012 12:50						WITH ALL HES PERSONNEL
Crew Leave Location	02/12/2012 13:00						
Comment	02/12/2012 13:01						THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JESSE SLAUGHTER AND CREW.

WILLIAMS RWF 511-36 9 5/8 SURFACE

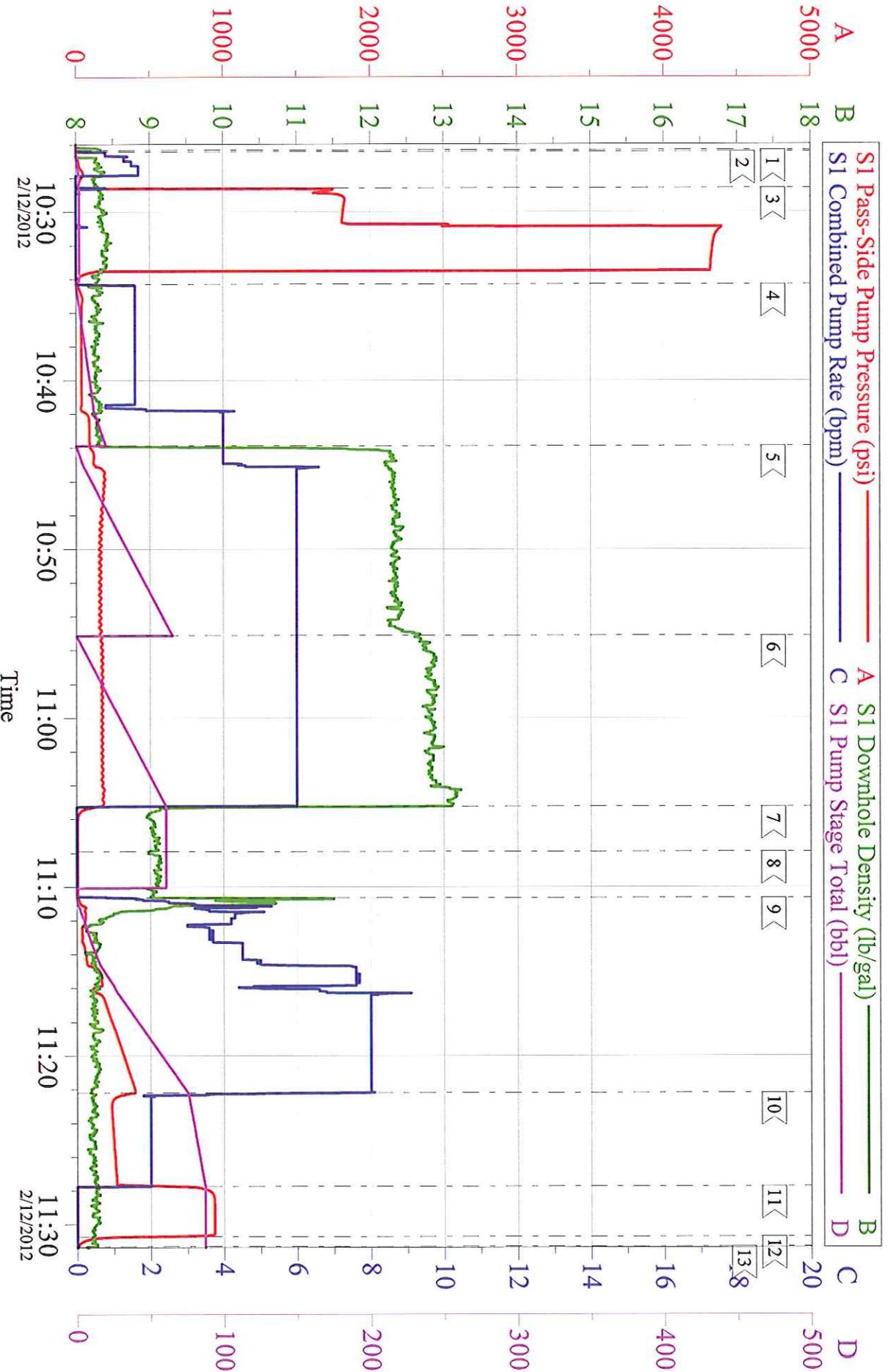


Local Event Log

1	START JOB	10:26:19	2	PRIME LINES	10:26:26	3	TEST LINES	10:28:35
4	PUMP H2O SPACER	10:34:18	5	PUMP LEAD CEMENT	10:43:53	6	PUMP TAIL CEMENT	10:55:06
7	SHUTDOWN	11:05:14	8	DROP TOP PLUG	11:07:55	9	PUMP DISPLACEMENT	11:10:39
10	SLOW RATE	11:22:12	11	BUMP PLUG	11:27:44	12	CHECK FLOATS	11:30:43
13	END JOB	11:31:18						

Customer:	WILLIAMS	Job Date:	12-Feb-2012	Sales Order #:	9217405
Well Description:	RWF 511-36	Job Type:	SURFACE	ADC Used:	YES
Customer Rep:	RICK OAKS	Cement Supervisor:	JESSE SLAUGHTER	Elite #1:	JACOB DOUT

WILLIAMS RWF 511-36 9 5/8 SURFACE



Customer: WILLIAMS	Job Date: 12-Feb-2012	Sales Order #: 9217405
Well Description: RWF 511-36	Job Type: SURFACE	ADC Used: YES
Customer Rep: RICK OAKS	Cement Supervisor: JESSE SLAUGHTER	Elite #1: JACOB DOUT

HALLIBURTON

Water Analysis Report

Company: WILLIAMS PRODUCTION

Date: 2/12/2012

Submitted by: JESSE SLAUGHTER

Date Rec.: _____

Attention: LAB

S.O.# 9217405

Lease RWF

Job Type: SURFACE

Well # 511-36

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	6
Potassium (K)	<i>5000</i>	250 Mg / L
Calcium (Ca)	<i>500</i>	120 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	0 Mg / L
Sulfates (SO ₄)	<i>1500</i>	UNDER 200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	55 Deg
Total Dissolved Solids		200 Mg / L

Respectfully: JESSE SLAUGHTER

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

NOTICE:

This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report or its

Sales Order #: 9217405	Line Item: 10	Survey Conducted Date: 2/12/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: RICK OAKS		API / UWI: (leave blank if unknown) 05-045-20775
Well Name: RWF		Well Number: 511-36
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	2/12/2012
Survey Interviewer	The survey interviewer is the person who initiated the survey.	JESSE SLAUGHTER (HB21762)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	RICK OAKS
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	

CUSTOMER SIGNATURE

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Customer Representative: RICK OAKS		API / UWI: (leave blank if unknown) 05-045-20775
Well Name: RWF		Well Number: 511-36
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	2/12/2012
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	Critical
What is the greatest deviation for the job you just completed? This may not be the maximum well deviation	
Total Operating Time (hours)	4
Total Operating Hours Including Rig-up/Pumping/Rig-down Enter in decimal format	
HSE Incident/Accident/Injury	No
HSE Incident/Accident/Injury This could be recordable incidents only	
Was the job purpose achieved?	Yes
Was the job delivered correctly as per customer agreed design	
Operating Hours (Pumping Hours)	1.5
Total number of hours pumping fluid on this job Enter in decimal format	
Customer Non-Productive RI 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	6
Number Of Jsas Performed	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when in action stops for an period of time	
Was this a Primary Cement Job (Yes / No)	Yes

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Well Name: RWF		Well Number: 511-36
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 <input type="checkbox"/> Liner <input type="checkbox"/> or Tie-back <input type="checkbox"/>	
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs <input type="checkbox"/>	Top
Mi (in) Density of Job Stayed in Design Density Range (0-100) Density Range defined as +/- 120 ppg Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	98
Was Automated Density Control Used? Was Automated Density Control (ADC) Used <input type="checkbox"/>	Yes
Pump Rate (percent) of Job Stayed At Design 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	98
Nbr of Remedial Sq Jobs Rqd Competition Number Of Remedial Squee 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 Sq Jobs Rqd HES Number Of Remedial Squee Jobs Required After Primary Job Performed By HES	0