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**WPX ENERGY ROCKY MOUNTAIN LLC-EBUS**

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**RWF 414-29**

**Garfield County , Colorado**

**Cement Surface Casing**

**26-May-2013**

**Post Job Report**

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 300721	<b>Ship To #:</b> 3000401	<b>Quote #:</b>	<b>Sales Order #:</b> 900465072
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Customer Rep:</b> Towers, Ron	
<b>Well Name:</b> RWF		<b>Well #:</b> 414-29	<b>API/UWI #:</b>
<b>Field:</b>	<b>City (SAP):</b> RIFLE	<b>County/Parish:</b> Garfield	<b>State:</b> Oklahoma
<b>Contractor:</b> Nabors		<b>Rig/Platform Name/Num:</b> Nabors 573	
<b>Job Purpose:</b> Cement Surface Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> MAYO, MARK		<b>Srvc Supervisor:</b> SLAUGHTER, JESSE <b>MBU ID Emp #:</b> 454315	

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ATKINSON, STEPHAN Michael	6.5	513940	SINCLAIR, DAN J	6.5	338784	SLAUGHTER, JESSE Dean	6.5	454315

**Equipment**

HES Unit #	Distance-1 way						
10297346	60 mile	10872429	60 mile	11071559	60 mile	11583933	60 mile
11808847	60 mile						

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
5-26-2013	6.5	3						
<b>TOTAL</b>			<i>Total is the sum of each column separately</i>					

**Job**

**Job Times**

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
<b>Form Type</b>		BHST	<b>On Location</b>	26 - May - 2013	08:00	MST
<b>Job depth MD</b>	1116. ft	<b>Job Depth TVD</b>	<b>Job Started</b>	26 - May - 2013	11:51	MST
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>	<b>Job Completed</b>	26 - May - 2013	12:55	MST
<b>Perforation Depth (MD)</b>	<b>From</b>	<b>To</b>	<b>Departed Loc</b>	26 - May - 2013	14:30	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

**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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water Spacer	FRESH WATER	20.00	bbl	8.33	.0	.0	4	

**Stage/Plug #: 1**

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom
1	Fresh Water Spacer	FRESH WATER	20.00	bbl	8.33	.0	.0	4	

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
2	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.3	2.38	13.75	7	13.75
3	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	7	11.75
4	Fresh Water Displacement	FRESH WATER	84.4	bbl	8.33	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	84.4	Shut In: Instant		Lost Returns	NO	Cement Slurry	128	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	28	Actual Displacement	84.4	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	232
Rates									
Circulating		Mixing	7	Displacement	10	Avg. Job			8.5
Cement Left In Pipe	Amount	0 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*

<b>Sold To #:</b> 300721	<b>Ship To #:</b> 3000401	<b>Quote #:</b>	<b>Sales Order #:</b> 900465072
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Customer Rep:</b> Towers, Ron	
<b>Well Name:</b> RWF		<b>Well #:</b> 414-29	<b>API/UWI #:</b>
<b>Field:</b>	<b>City (SAP):</b> RIFLE	<b>County/Parish:</b> Garfield	<b>State:</b> Oklahoma
<b>Legal Description:</b>			
<b>Lat:</b>		<b>Long:</b>	
<b>Contractor:</b> Nabors		<b>Rig/Platform Name/Num:</b> Nabors 573	
<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> MAYO, MARK		<b>Srvc Supervisor:</b> SLAUGHTER, JESSE	<b>MBU ID Emp #:</b> 454315

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	05/26/2013 04:00							
Pre-Convoy Safety Meeting	05/26/2013 06:20							WITH ALL HES PERSONNEL
Crew Leave Yard	05/26/2013 06:30							
Arrive At Loc	05/26/2013 08:00							RIG WAS RUNNING CASING UPON HES ARRIVAL
Assessment Of Location Safety Meeting	05/26/2013 09:50							WITH ALL HES PERSONNEL
Other	05/26/2013 10:00							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	05/26/2013 10:20							WITH ALL HES PERSONNEL
Rig-Up Equipment	05/26/2013 10:30							
Pre-Job Safety Meeting	05/26/2013 11:40							WITH ALL PERSONNEL ON LOCATION
Start Job	05/26/2013 11:51							TD 1130 FT, TP 1116 FT, SHOE 43 FT, CSG 9 5/8 IN 32.3 LB/FT, HOLE 13.5 IN, MUD WT 9.7 PPG
Other	05/26/2013 11:51		2	2			30.0	FILL LINES WITH FRESH WATER
Test Lines	05/26/2013 11:53							TESTED LINES TO 3850 PSI PRESSURE HOLDING
Pump Spacer 1	05/26/2013 11:57		4	20			110.0	FRESH WATER
Pump Lead Cement	05/26/2013 12:08		7	67.8			258.0	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

Sold To # : 300721

Ship To # :3000401

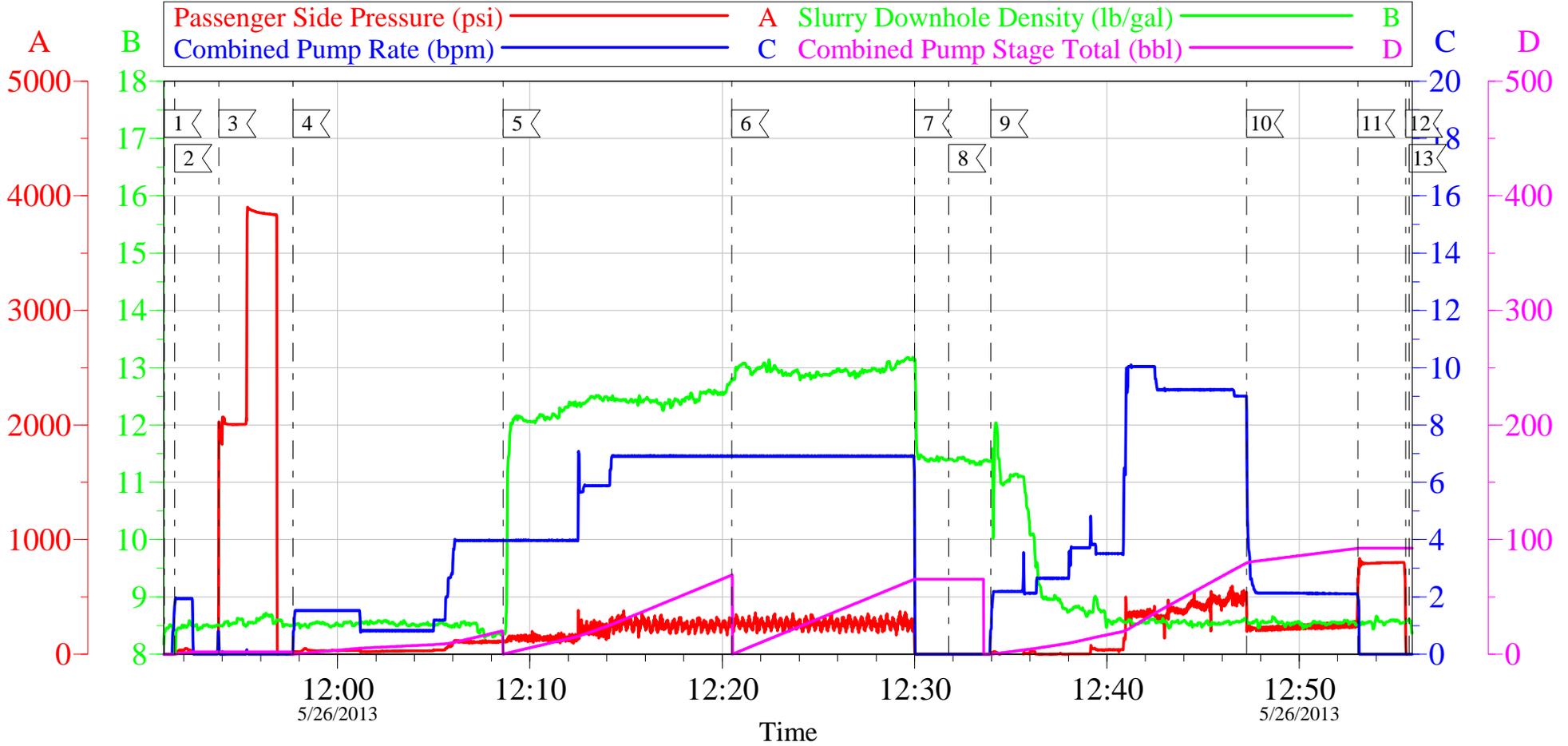
Quote # :

Sales Order # : 900465072

		#		Stage	Total	Tubing	Casing	
Pump Tail Cement	05/26/2013 12:20		7	60.1			256.0	160 SKS AT 12.8 PPG, 2.11 FT3/SK, 11.75 GAL/SK
Shutdown	05/26/2013 12:30							
Drop Top Plug	05/26/2013 12:31							PLUG LAUNCHED
Pump Displacement	05/26/2013 12:33		10	74.4			500.0	FRESH WATER
Slow Rate	05/26/2013 12:47		2	10			265.0	SLOW RATE 10 BBLs PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	05/26/2013 12:53		2		84.4		800.0	PLUG BUMPED
Check Floats	05/26/2013 12:55							FLOATS HOLDING. HES RETURNED 1 1/2 BBL H2O TO SURFACE
End Job	05/26/2013 12:55							PIPE WAS STATIC DURING JOB, GOOD CIRCULATION THROUGHOUT JOB. HES RETURNED 28 BBL CEMENT TO SURFACE. USED 80 SUGAR FOR JOB.
Pre-Rig Down Safety Meeting	05/26/2013 13:00							WITH ALL HES PERSONNEL
Rig-Down Equipment	05/26/2013 13:00							
Pre-Convoy Safety Meeting	05/26/2013 14:20							WITH ALL HES PERSONNEL
Crew Leave Location	05/26/2013 14:30							
Comment	05/26/2013 14:31							THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JESSE SLAUGHTER AND CREW.

# WPX RWF 414-29

## 9 5/8 SURFACE

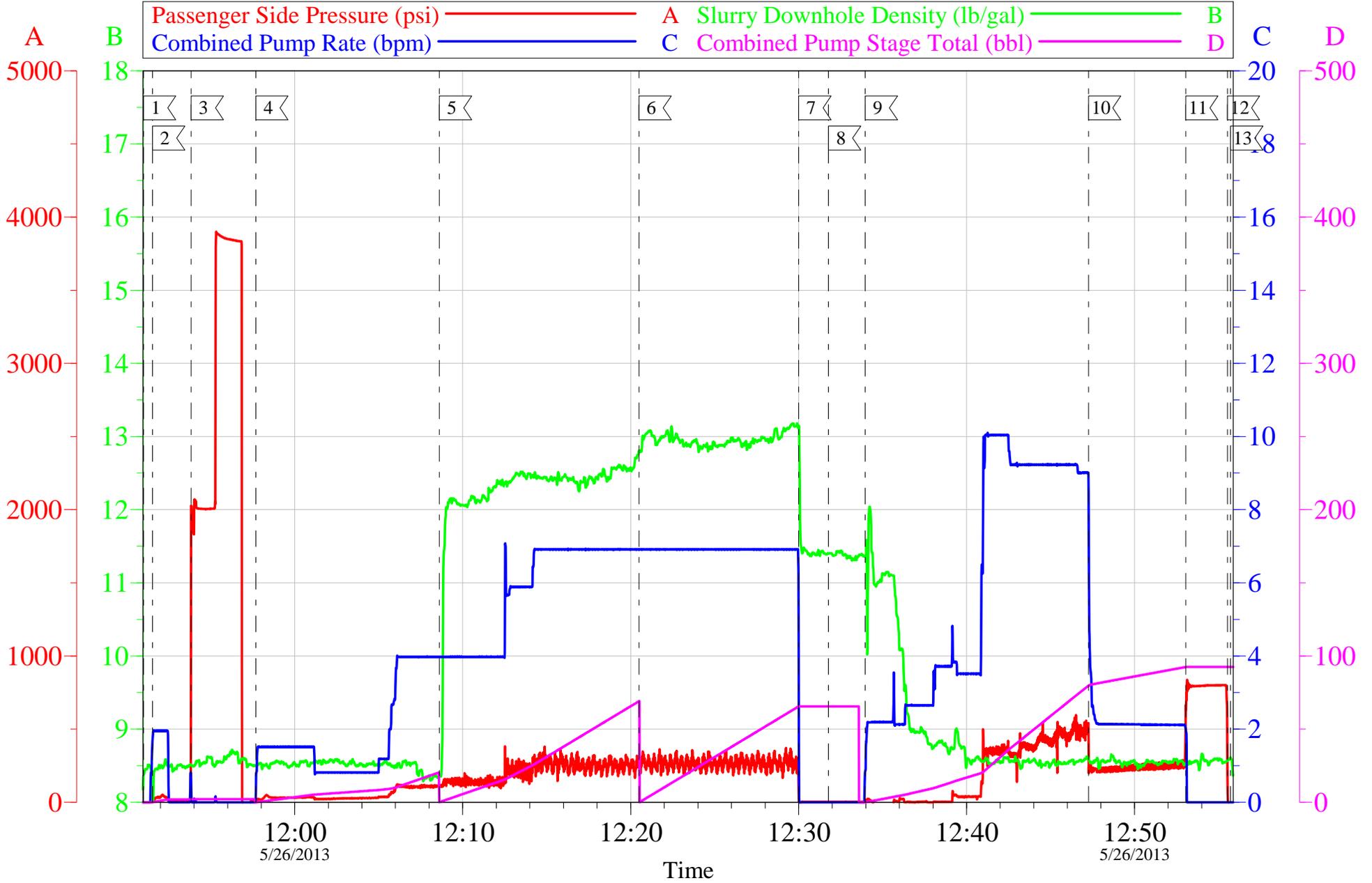


1	START JOB	11:51:00	2	PRIME LINES	11:51:32	3	TEST LINES	11:53:50
4	PUMP H2O SPACER	11:57:41	5	PUMP LEAD CEMENT	12:08:37	6	PUMP TAIL CEMENT	12:20:30
7	SHUTDOWN	12:30:00	8	DROP TOP PLUG	12:31:47	9	PUMP DISPLACEMENT	12:33:58
10	SLOW RATE	12:47:16	11	BUMP PLUG	12:53:03	12	CHECK FLOATS	12:55:32
13	END JOB	12:55:43						

Customer: WPX	Job Date: 26-May-2013	Sales Order #: 900465072
Well Description: RWF 414-29	Job Type: SURFACE	ADC Used: YES
Customer Rep: RON TOWERS	Cement Supervisor: JESSE SLAUGHTER	Elite #7: DAN SINCLAIR

# WPX RWF 414-29

## 9 5/8 SURFACE



Customer: WPX	Job Date: 26-May-2013	Sales Order #: 900465072
Well Description: RWF 414-29	Job Type: SURFACE	ADC Used: YES
Customer Rep: RON TOWERS	Cement Supervisor: JESSE SLAUGHTER	Elite #7: DAN SINCLAIR

# HALLIBURTON

## Water Analysis Report

Company: WILLIAMS PRODUCTION

Date: 5/26/2013

Submitted by: JESSE SLAUGHTER

Date Rec.: \_\_\_\_\_

Attention: LAB

S.O.# 900465072

Lease RWF

Job Type: SURFACE

Well # 414-29

Specific Gravity	<i>MAX</i>	<b>1</b>
pH	<i>8</i>	<b>6</b>
Potassium (K)	<i>5000</i>	<b>250 Mg / L</b>
Calcium (Ca)	<i>500</i>	<b>120 Mg / L</b>
Iron (FE2)	<i>300</i>	<b>0 Mg / L</b>
Chlorides (Cl)	<i>3000</i>	<b>0 Mg / L</b>
Sulfates (SO <sub>4</sub> )	<i>1500</i>	<b>UNDER 200 Mg / L</b>
Chlorine (Cl <sub>2</sub> )		<b>0 Mg / L</b>
Temp	<i>40-80</i>	<b>70 Deg</b>
Total Dissolved Solids		<b>200 Mg / L</b>

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

<b>Sales Order #:</b> 900465072	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 5/26/2013
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> RON TOWERS		<b>API / UWI: (leave blank if unknown)</b> AFEYCYCD1EK52WBSAAA
<b>Well Name:</b> RWF		<b>Well Number:</b> 414-29
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<b>Well State:</b> Oklahoma	<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	5/26/2013
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	RON TOWERS
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	

<b>CUSTOMER SIGNATURE</b>
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<b>Sales Order #:</b> 900465072	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 5/26/2013
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<b>Customer Representative:</b> RON TOWERS		<b>API / UWI: (leave blank if unknown)</b> AFEYCYCD1EK52WBSAAA
<b>Well Name:</b> RWF		<b>Well Number:</b> 414-29
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<b>Well State:</b> Oklahoma	<b>Well County:</b> Garfield

### KEY PERFORMANCE INDICATORS

General	
<b>Survey Conducted Date</b>	5/26/2013
The date the survey was conducted	

Cementing KPI Survey	
<b>Type of Job</b>	0
Select the type of job. (Cementing or Non-Cementing)	
<b>Select the Maximum Deviation range for this Job</b>	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
<b>Total Operating Time (hours)</b>	3
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
<b>HSE Incident, Accident, Injury</b>	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
<b>Was the job purpose achieved?</b>	Yes
Was the job delivered correctly as per customer agreed design?	
<b>Operating Hours (Pumping Hours)</b>	1
Total number of hours pumping fluid on this job. Enter in decimal format.	
<b>Customer Non-Productive Rig Time (hrs)</b>	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.	
<b>Type of Rig Classification Job Was Performed</b>	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
<b>Number Of JSAs Performed</b>	6
Number Of Jsas Performed	
<b>Number of Unplanned Shutdowns</b>	0
Unplanned shutdown is when injection stops for any period of time.	
<b>Was this a Primary Cement Job (Yes / No)</b>	Yes

<b>Sales Order #:</b> 900465072	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 5/26/2013
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<b>Customer Representative:</b> RON TOWERS		<b>API / UWI: (leave blank if unknown)</b> AFEYCYCD1EK52WBSAAA
<b>Well Name:</b> RWF		<b>Well Number:</b> 414-29
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<b>Well State:</b> Oklahoma	<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