
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**RWF 14-25
RULISON
Garfield County , Colorado**

**Cement Surface Casing
19-Jan-2014**

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3123562	Quote #:	Sales Order #: 901050275
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Wilson, W.C	
Well Name: RWF		Well #: 14-25	API/UWI #:
Field: RULISON	City (SAP): RIFLE	County/Parish: Garfield	State: Colorado
Contractor: Nabors		Rig/Platform Name/Num: Nabors 577	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc Supervisor: CASTILLO, FRANCISCO	MBU ID Emp #: 513620

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CASTILLO, FRANCISCO P	7	513620	MARTIN, DILLON Ray	7	478664	SINCLAIR, DAN J	7	338784

Equipment

HES Unit #	Distance-1 way						
10616651C	60 mile	10744549	60 mile	11139330	60 mile	11259884	60 mile
11808827	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
1/18/14	3	0	1/19/14	4	1			
TOTAL		<i>Total is the sum of each column separately</i>						

Job

Job Times

Formation Name	Date	Time	Time Zone
Formation Depth (MD) Top SURFACE Bottom 1175	Called Out	18 - Jan - 2014	17:30 MST
Form Type BHST	On Location	18 - Jan - 2014	21:00 MST
Job depth MD 1175. ft Job Depth TVD 1175. ft	Job Started	19 - Jan - 2014	01:42 MST
Water Depth Wk Ht Above Floor 3. ft	Job Completed	19 - Jan - 2014	02:47 MST
Perforation Depth (MD) From To	Departed Loc	19 - Jan - 2014	04:00 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

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe	9.625	1	WTF	1162.7	Packer					Top Plug	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar	9.625	1	WTF	1118.82	Retainer					SSR plug set			
Insert Float										Plug Container	9.625	1	HES
Stage Tool										Centralizers	9.625	7	WTF

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

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

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 Spacer		20.00	bbl	.	.0	.0	4	
2	VersaCem Lead	VARICEM (TM) CEMENT (452009)	160.0	sacks	12.3	2.38	13.75	7	13.75
	13.75 Gal	FRESH WATER							
3	VersaCem Tail	VARICEM (TM) CEMENT (452009)	160.0	sacks	12.8	2.11	11.75	7	11.75
	11.75 Gal	FRESH WATER							
4	Displacement Fluid		88.00	bbl	8.34	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	88	Shut In: Instant		Lost Returns	0	Cement Slurry	128	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	18	Actual Displacement	88	Treatment	
Frac Gradient		15 Min		Spacers	40	Load and Breakdown		Total Job	236
Rates									
Circulating	RIG	Mixing	7	Displacement	10	Avg. Job	7.5		
Cement Left In Pipe	Amount	43.88 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					

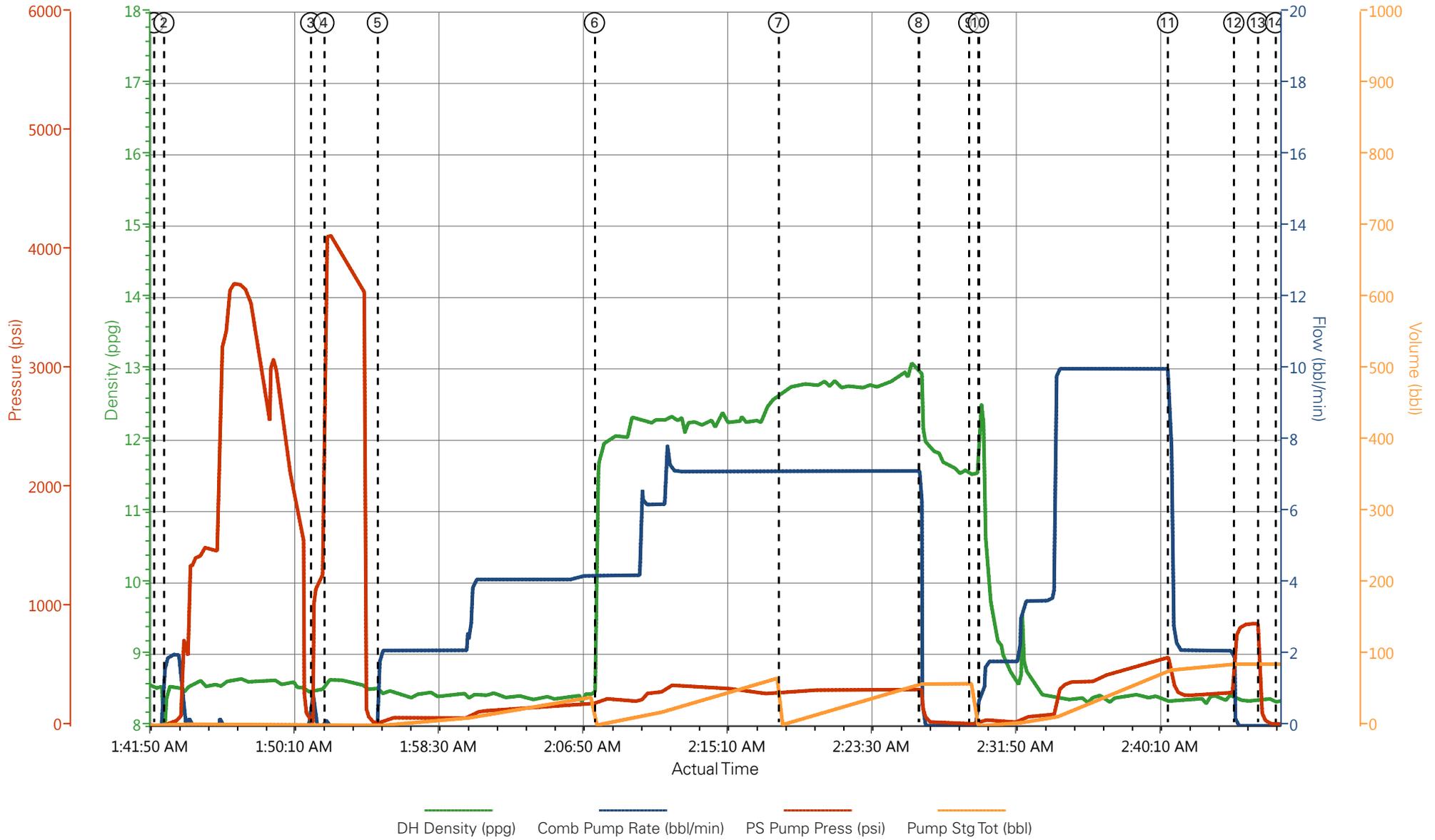
The Road to Excellence Starts with Safety

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Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Wilson, W.C	
Well Name: RWF		Well #: 14-25	API/UWI #:
Field: RULISON	City (SAP): RIFLE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat:		Long:	
Contractor: Nabors		Rig/Platform Name/Num: Nabors 577	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srv Supervisor: CASTILLO, FRANCISCO	MBU ID Emp #: 513620

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	01/18/2014 17:30							ON LOCATION AT 23:00 HRS
Pre-Convoy Safety Meeting	01/18/2014 18:50							ALL HES PERSONEL. NO INJURIES TO REPORT BY HES PERSONEL BEFORE THE JOB.
Crew Leave Yard	01/18/2014 19:00							
Arrive At Loc	01/18/2014 21:00							RIG WAS PULLING DRILL COLLAR AND CASING CREW WAS SETTING UP TO RUN CASING. RIG BEGAN TO RUN CASING AT 23:00 HRS AND LANDED CASING AT 01:00 HRS
Assessment Of Location Safety Meeting	01/18/2014 21:15							ALL HES PERSONEL
Rig-Up Equipment	01/18/2014 21:30							1-ELITE, 1-660 BULK TRUCKS, 2" PUMPING IRON, 9.625" PLUG CONTAINER AND QUICKLATCH
Rig-Up Completed	01/18/2014 22:00							RIG SETTING UP TO RUN CASING
Pre-Job Safety Meeting	01/19/2014 01:15							ALL HES PERSONEL AND RIG CREW
Start Job	01/19/2014 01:42							TD-1175', OH-13.5", TP-1162.7, SJ-43.88'. FC-1118.82', CSG-9.625", 32.3#, H-40
Pump Water	01/19/2014 01:42		2	2			85.0	FILL LINES

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pressure Test	01/19/2014 01:51		0.2	0.2				STALL OUT TEST WITH 1506 PSI
Pressure Test	01/19/2014 01:52		0.2	0.2				PRESSURE TEST LINES WITH 3724 PSI
Pump Spacer	01/19/2014 01:55		4	40			187.0	FRESH WATER
Pump Lead Cement	01/19/2014 02:07		7	67.8			330.0	160 SKS, 12.3 PPG, 2.38 FT3/SK, 13.75 GAL/SK, SETUP TIME 2:58 HRS AT 70 BC
Pump Tail Cement	01/19/2014 02:18		7	60			310.0	160 SKS, 12.8 PPG, 2.11 FT3/SK, 11.75 GAL/SK, SETUP TIME 1:51 HRS AT 70 BC
Shutdown	01/19/2014 02:26							
Drop Plug	01/19/2014 02:29							VERIFIED BY DRILLER
Pump Displacement	01/19/2014 02:29		10	78			548.0	FRESH WATER
Slow Rate	01/19/2014 02:40		2	10			271.0	
Bump Plug	01/19/2014 02:44			88			871.0	CIRCULATED 18 BBLS/ 43SKS OF CEMENT TO SURFACE
Check Floats	01/19/2014 02:45							FLOATS HELD/ 0.5 BBLS FLOW BACK TO DISPLACEMENT TANK
End Job	01/19/2014 02:47							USED 40 LBS OF SUGAR
Post-Job Safety Meeting (Pre Rig-Down)	01/19/2014 02:55							
Rig-Down Completed	01/19/2014 03:50							
Depart Location Safety Meeting	01/19/2014 03:55							NO INJURIES TO REPORT BY HES PERSONEL
Crew Leave Location	01/19/2014 04:00							
Other	01/19/2014 04:01							THANK YOU FOR YOUR BUSINESS FROM JAVIER CASTILLO AND CREW

WPX RWF 14-25 SURFACE



- ① Start Job 8.53;0;0;0
- ② Fill Lines 8.56;1.9;9;0.4
- ③ Stall Out 8.47;0.1;1122;2.2
- ④ Test Lines 8.67;0;4115;2.2
- ⑤ Pump Water Spacer 8.42;2.1;29;0.3
- ⑥ Pump Lead Cement 11.27;4.2;198;1.2
- ⑦ Pump Tail Cement 12.68;7.1;283;1.3
- ⑧ Shutdown 12.93;3;245;58.9
- ⑨ Drop Plug 11.53;0;16;58.9
- ⑩ Pump Displacement 12.45;0.9;33;0.2
- ⑪ Slow Rate 8.34;10;580;78.3
- ⑫ Bump Plug 8.37;0;781;86.4
- ⑬ Check Floats 8.37;0;149;86.4
- ⑭ End Job 8.37;0;12;86.4

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Created: 2014-01-19 01:17:58, Version: 3.0.121

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 1/19/2014 1:18:37 AM

Well: RWF 14-25

Representative: W.C. WILSON

Sales Order #: 901050275

ELITE #4: J. CASTILLO / DAN SINCLAIR

HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: JAVIER CASTILLO
Attention: J.Trout
Lease: RWF
Well #: 14-25

Date: 1/19/2014
Date Rec.: 1/19/2014
S.O.#: 901050275
Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	200 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>	200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	70 Deg
Total Dissolved Solids		410 Mg / L

Respectfully: JAVIER CASTILLO

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

Sales Order #: 901050275	Line Item: 10	Survey Conducted Date: 1/19/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: W.C. WILSON		API / UWI: (leave blank if unknown) AFEYSIEUBIK0OSXXAAA
Well Name: RWF		Well Number: 14-25
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	1/19/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	FRANCISCO CASTILLO (HB85312)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	W.C. WILSON
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: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: W.C. WILSON		API / UWI: (leave blank if unknown) AFEYSIEUBIK0OSXXAAA
Well Name: RWF		Well Number: 14-25
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	1/19/2014
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	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	7
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
HSE Incident, Accident, Injury	No
HSE Incident, Accident, Injury. This should 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
Total number of hours pumping fluid on this job. Enter in decimal format.	
Customer Non-Productive Rig 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	5
Number Of Jsas Performed	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Was this a Primary Cement Job (Yes / No)	Yes

Sales Order #: 901050275	Line Item: 10	Survey Conducted Date: 1/19/2014
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Customer Representative: W.C. WILSON		API / UWI: (leave blank if unknown) AFEYSIEUBIK0OSXXAAA
Well Name: RWF		Well Number: 14-25
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