
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**RWF 22-25
Rulison
Garfield County , Colorado**

Cement Surface Casing
26-Sep-2013

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3108028	Quote #:	Sales Order #: 900772683
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Brunk, Andrew	
Well Name: RWF		Well #: 22-25	API/UWI #: 05-045-21973
Field: Rulison	City (SAP): RIFLE	County/Parish: Garfield	State: Colorado
Lat: N 39.497 deg. OR N 39 deg. 29 min. 49.286 secs.		Long: W 107.841 deg. OR W -108 deg. 9 min. 32.299 secs.	
Contractor: Aztec		Rig/Platform Name/Num: Aztec 1000	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		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	16.5	439784	LAULAINEN, ROGER Edward	16.5	524413	MCINTOSH, ROBERT James	16.5	547652
WOLFE, JON P	16.5	485217						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
	60 mile	10722398	60 mile	10744549	60 mile	10995027	60 mile
11139330	60 mile	11259882	60 mile	11808849	60 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
2013-09-25	4.5	0	2013-09-26	12	4			

TOTAL Total is the sum of each column separately

Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job depth TVD	Water Depth	Perforation Depth (MD)	From	To
				BHST	1128. ft	1128. ft				
						3. ft				

Job Times

Date	Time	Time Zone
25 - Sep - 2013	16:00	MST
25 - Sep - 2013	19:30	MST
26 - Sep - 2013	08:55	MST
26 - Sep - 2013	10:08	MST
26 - Sep - 2013	12:00	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	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 5/8"	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9 5/8"	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

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		50.00	bbl	8.33	.0	.0	4	
2	VariCem GJ1 Lead Cement	VARICEM (TM) CEMENT (452009)	180.0	sacks	12.3	2.38	13.75	6	13.75
13.75 Gal		FRESH WATER							
3	VariCem GJ1 Tail Cement	VARICEM (TM) CEMENT (452009)	160.0	sacks	12.8	2.11	11.75	6	11.75
11.75 Gal		FRESH WATER							
4	Displacement Fluid			bbl	8.34	.0	.0	6	
Calculated Values		Pressures		Volumes					
Displacement	84.4	Shut In: Instant		Lost Returns		Cement Slurry	136.3	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	18	Actual Displacement	84.4	Treatment	
Frac Gradient		15 Min		Spacers	50	Load and Breakdown		Total Job	270.4
Rates									
Circulating	RIG	Mixing	6	Displacement	6	Avg. Job	6		
Cement Left In Pipe	Amount	45 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					

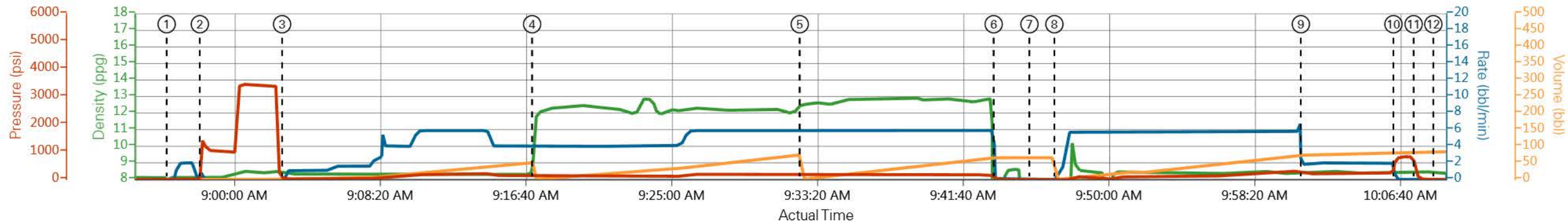
The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 3108028		Quote #:		Sales Order #: 900772683	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Brunk, Andrew			
Well Name: RWF			Well #: 22-25			API/UWI #: 05-045-21973	
Field: Rulison		City (SAP): RIFLE		County/Parish: Garfield			State: Colorado
Legal Description:							
Lat: N 39.497 deg. OR N 39 deg. 29 min. 49.286 secs.				Long: W 107.841 deg. OR W -108 deg. 9 min. 32.299 secs.			
Contractor: Aztec			Rig/Platform Name/Num: Aztec 1000				
Job Purpose: Cement Surface Casing						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: MAYO, MARK			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	09/25/2013 16:00							Crew returning from job in Whitewater.
Crew Leave Yard	09/25/2013 17:30							
Pre-Convoy Safety Meeting	09/25/2013 17:45							Including entire cement crew.
Arrive At Loc	09/25/2013 19:30							Rig still Running casing.
Assessment Of Location Safety Meeting	09/26/2013 07:00							Water; PH 7.5; KCL 250; So4 <200; Fe 0; Calcium 120; Chlorides 0; Temp 50; TDS 340.
Pre-Rig Up Safety Meeting	09/26/2013 07:10							Including entire cement crew.
Rig-Up Equipment	09/26/2013 07:15							1 Elite # 9; 2 660 bulk truck; 1 hard line to floor; 1 line to upright; 1 line to rig tank. 9.625" compact head.
Rig-Up Completed	09/26/2013 08:15							
Pre-Job Safety Meeting	09/26/2013 08:30							Including everyone on location.
Start Job	09/26/2013 08:55							TD 1128; TP 1118; SJ 45; OH 13 1/2"; Casing 9.625" 32.3# H-40; Mud 9.0 ppg.
Pump Water	09/26/2013 08:56		2	2			30.0	Fill lines with fresh water.
Test Lines	09/26/2013 08:58					3445.0		Good pressure test, no leaks.
Pump Spacer 1	09/26/2013 09:02		4	50			200.0	50 BBL fresh water spacer.
Pump Lead Cement	09/26/2013 09:17		7	76.2			167.0	180 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	09/26/2013 09:32		7	60.1			180.0	160 sks Tail Cement, 12.8 ppg, 2.11 cf3, 11.75 gal/sk.
Shutdown	09/26/2013 09:43							
Drop Plug	09/26/2013 09:45							Plug left container.
Pump Displacement	09/26/2013 09:46		10	74.4			310.0	Fresh water displacement.
Slow Rate	09/26/2013 10:01		2	10			230.0	Slow rate last 10 BBL's of displacement prior to bumping the plug.
Bump Plug	09/26/2013 10:06				84.4		843.0	Bumped plug, took 500 PSI over.
Check Floats	09/26/2013 10:07							Floats held, 3/4 BBL back. 18 BBL.'s of good cement to surface.
End Job	09/26/2013 10:08							
Pre-Rig Down Safety Meeting	09/26/2013 10:20							Including entire cement crew.
Rig-Down Equipment	09/26/2013 10:45							
Rig-Down Completed	09/26/2013 11:30							
Pre-Convoy Safety Meeting	09/26/2013 11:45							Including entire cement crew.
Crew Leave Location	09/26/2013 12:00							Crew leave location for Service Center or another location.
Other	09/26/2013 12:00							Thank You for using Halliburton. Ed Arnold and Crew.

WPX - RWF 22-25 - 9 5/8" SURFACE



— DH Density (ppg)
 — Comb Pump Rate (bbl/min)
 — Pump Stg Tot (bbl)
 — DS Pump Press (psi)

- | | | | | | |
|--------------|--------------------|--------------------|---------------------|-------------|----------------|
| ① Start Job | ③ Pump Spacer 1 | ⑤ Pump Tail Cement | ⑦ Drop Plug | ⑨ Slow Rate | ⑪ Check Floats |
| ② Test Lines | ④ Pump Lead Cement | ⑥ Shutdown | ⑧ Pump Displacement | ⑩ Bump Plug | ⑫ End Job |

▼ **Halliburton** | iCem Service®

Created: 2013-09-26 07:03:25 , Version: 1.4.96

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 9/26/2013 8:35:56 AM

Well: RWF 22-25

Representative: ANDREW BRUNK

Sales Order #: 900772683

ELITE #9: ED ARNOLD / ROGER LAULAINEN

HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: ED ARNOLD
Attention: JOHN TROUT
Lease: RWF
Well #: 22-25

Date: 9/26/2013
Date Rec.: 9/26/2013
S.O.#: 900772683
Job Type: SURFACE

Specific Gravity	<i>MAX</i>	<i>1</i>
pH	<i>8</i>	<i>7.5</i>
Potassium (K)	<i>5000</i>	<i>250</i> Mg / L
Calcium (Ca)	<i>500</i>	<i>120</i> Mg / L
Iron (FE2)	<i>300</i>	<i>0</i> Mg / L
Chlorides (Cl)	<i>3000</i>	<i>0</i> Mg / L
Sulfates (SO ₄)	<i>1500</i>	<i><200</i> Mg / L
Chlorine (Cl ₂)		<i>0</i> Mg / L
Temp	<i>40-80</i>	<i>50</i> Deg
Total Dissolved Solids		<i>340</i> Mg / L

Respectfully: ED ARNOLD

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 use

Sales Order #: 900772683	Line Item: 10	Survey Conducted Date: 9/26/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: ANDREW BRUNK		API / UWI: (leave blank if unknown) 05-045-21973
Well Name: RWF		Well Number: 22-25
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	9/26/2013
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	ANDREW BRUNK
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

Sales Order #: 900772683	Line Item: 10	Survey Conducted Date: 9/26/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: ANDREW BRUNK		API / UWI: (leave blank if unknown) 05-045-21973
Well Name: RWF		Well Number: 22-25
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 The date the survey was conducted	9/26/2013

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.	4
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

Sales Order #: 900772683	Line Item: 10	Survey Conducted Date: 9/26/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: ANDREW BRUNK		API / UWI: (leave blank if unknown) 05-045-21973
Well Name: RWF		Well Number: 22-25
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	90
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	99
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