
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**RWF 342-4
Rulison
Garfield County , Colorado**

Cement Surface Casing
16-Sep-2013

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3099709	Quote #:	Sales Order #: 900736306
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: HUTSON, MATT		
Well Name: RWF	Well #: 342-4	API/UWI #: 05-045-22084	
Field: Rulison	City (SAP): RIFLE	County/Parish: Garfield	State: Colorado
Lat: N 39.473 deg. OR N 39 deg. 28 min. 24.1 secs.	Long: W 107.889 deg. OR W -108 deg. 6 min. 40.021 secs.		
Contractor: NABORS 574	Rig/Platform Name/Num: NABORS 574		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: MAYO, MARK	Srv Supervisor: KEANE, JOHN	MBU ID Emp #: 486519	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANKS, BRENT A	11	371353	JENSEN, SHANE	11	441759	KEANE, JOHN Donovon	11	486519
WARDELL, STEVEN	11	549567						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10567589C	60 mile	10784080	60 mile	11259886	60 mile	11360883	60 mile
11808829	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
09/15/2013	7.5	0	09/16/2013	3	1.5			

TOTAL

Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	15 - Sep - 2013	11:30	MST
Job depth MD	2474. ft		Job Depth TVD	Job Started	15 - Sep - 2013	16:30	MST
Water Depth			Wk Ht Above Floor	Job Completed	16 - Sep - 2013	00:11	MST
Perforation Depth (MD)	From		To	Job Completed	16 - Sep - 2013	01:37	MST
				Departed Loc	09 - Sep - 2013	03:30	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
OPEN HOLE				13.5				.	2500.	.	2500.
9.625 IN SURFACE CASING	Mixed		9.625	9.001	32.3		H-40	.	2477.	.	2477.

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
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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		40.00	bbl	.	.0	.0	4	
2	VersaCem GJ1 Lead Cement	VARICEM (TM) CEMENT (452009)	425.0	sacks	12.3	2.38	13.75	8	13.75
13.75 Gal		FRESH WATER							
3	VersaCem GJ1 Tail Cement	VARICEM (TM) CEMENT (452009)	160.0	sacks	12.8	2.11	11.75	8	11.75
11.75 Gal		FRESH WATER							
4	Fresh Water Displacement		192.00	bbl	.	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	191.9	Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement	SURF	5 Min		Cement Returns	20	Actual Displacement	191.9	Treatment	
Frac Gradient		15 Min		Spacers	40	Load and Breakdown		Total Job	472
Rates									
Circulating	14	Mixing	8	Displacement	10	Avg. Job	8		
Cement Left In Pipe	Amount	38.5 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					

The Road to Excellence Starts with Safety

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Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: HUTSON, MATT			
Well Name: RWF			Well #: 342-4			API/UWI #: 05-045-22084	
Field: Rulison		City (SAP): RIFLE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39.473 deg. OR N 39 deg. 28 min. 24.1 secs.				Long: W 107.889 deg. OR W -108 deg. 6 min. 40.021 secs.			
Contractor: NABORS 574			Rig/Platform Name/Num: NABORS 574				
Job Purpose: Cement Surface Casing						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: MAYO, MARK			Srvc Supervisor: KEANE, JOHN			MBU ID Emp #: 486519	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	09/15/2013 11:30							
Pre-Convoy Safety Meeting	09/15/2013 14:45							WITH HES
Arrive At Loc	09/15/2013 16:30							RIG RUNNING CASING UPON HES ARRIVAL
Assessment Of Location Safety Meeting	09/15/2013 16:45							WITH HES
Rig-Up Equipment	09/15/2013 22:15							
Pre-Job Safety Meeting	09/15/2013 23:50							WITH HES, WPX, AND NABORS 574
Start Job	09/16/2013 00:11							TP 2477 FT, TD 2500 FT, CSG 9.625 IN 32.3 LB/FT H-40, HOLE 13.5 IN, SHOE 38.50 FT, MWT 10.5 LB/GAL, RIG CIRCULATING AT 14 BBL/MIN, PV/YP 36/29
Pump Water	09/16/2013 00:13		2	2			175.0	FILL LINES
Test Lines	09/16/2013 00:15							LOW TEST AT 1730 PSI, HIGH TEST AT 3594 PSI, PRESSURE HOLDING
Pump Spacer	09/16/2013 00:19		4	40			250.0	FRESH WATER SPACER
Pump Lead Cement	09/16/2013 00:29		8	180.1			308.0	MIXED AT 12.3 LB/GAL, 425 SKS, 2.38 FT3/SK, 13.75 GAL/SK, DENSITY VERIFIED USING PRESSURIZED MUD SCALES
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

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Quote # :

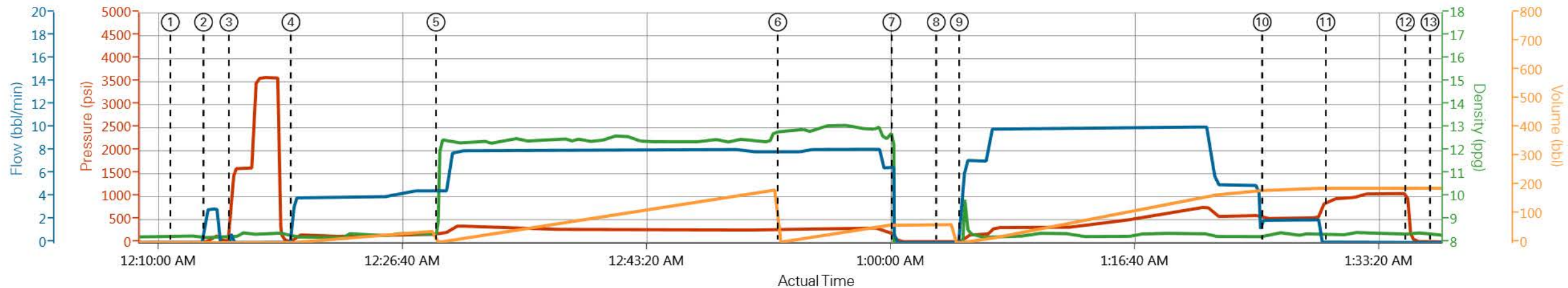
Sales Order # : 900736306

SUMMIT Version: 7.3.0106

Monday, January 06, 2014 04:33:00

Pump Tail Cement	09/16/2013 00:52		8	60.1			290.0	MIXED AT 12.8 LB/GAL, 160 SKS, 2.11 FT3/SK, 11.75 GAL/SK, DENSITY VERIFIE USING PRESSURIZED MUD SCALES
Shutdown	09/16/2013 01:00						100.0	
Drop Plug	09/16/2013 01:03							PLUG LAUNCHED
Pump Displacement	09/16/2013 01:04		10	182			727.0	FRESH WATER
Slow Rate	09/16/2013 01:25		2	10			530.0	SLOWED AT 182 BBL
Bump Plug	09/16/2013 01:29		2				530.0	PLUG BUMPED AT CALCULATED DISPLACEMENT
Check Floats	09/16/2013 01:35						1030. 0	FLOATS HOLDING, 1 BBL RETURNED TO THE TRUCK
End Job	09/16/2013 01:37							GOOD CIRCULATION THROUGHOUT THE JOB, 20 BBL CEMENT CIRCULATED TO SURFACE, NO DERRICK CHARGE, 2 ADD HOURS CHARGED, RIG USED 40 LBS OF SUGAR, PIPE WAS STATIC THROUGHOUT THE JOB
Post-Job Safety Meeting (Pre Rig-Down)	09/16/2013 02:00							WITH HES
Rig-Down Equipment	09/16/2013 02:15							
Pre-Convoy Safety Meeting	09/16/2013 03:15							WITH HES
Crew Leave Location	09/16/2013 03:30							
Comment	09/16/2013 03:31							THANKS FOR USING HALLIBURTON, JOHN KEANE AND CREW
Pre-Rig Up Safety Meeting	09/16/2013 22:00							WITH HES

WPX - RWF-342-4 - 9.625 IN SURFACE



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

- | | | | |
|-------------------------------|--------------------------------------|-------------------------------------|---------------------------|
| ① Start Job 3;8.23;0;0 | ⑤ Pump Lead Cement 188;11.2;4.5;1.2 | ⑨ Pump Displacement 25;8.08;3.6;0.5 | ⑬ End Job 15;8.34;0;189.4 |
| ② Fill Lines 20;8.13;2.9;0.3 | ⑥ Pump Tail Cement 284;12.82;7.9;1.7 | ⑩ Slow Rate 526;8.29;2;181.6 | |
| ③ Test Lines 1192;8.26;0;2.6 | ⑦ Shutdown 105;0.98;0;62.6 | ⑪ Bump Plug 890;8.36;0.3;189.3 | |
| ④ Fresh Water 35;8.28;3.1;0.2 | ⑧ Drop Plug 18;-0.09;0;62.6 | ⑫ Check Floats 705;8.43;0;189.4 | |

▼ **HALLIBURTON** | iCem® Service

Created: 2013-09-15 20:25:44, Version: 2.0.606

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 9/15/2013 10:46:17 PM

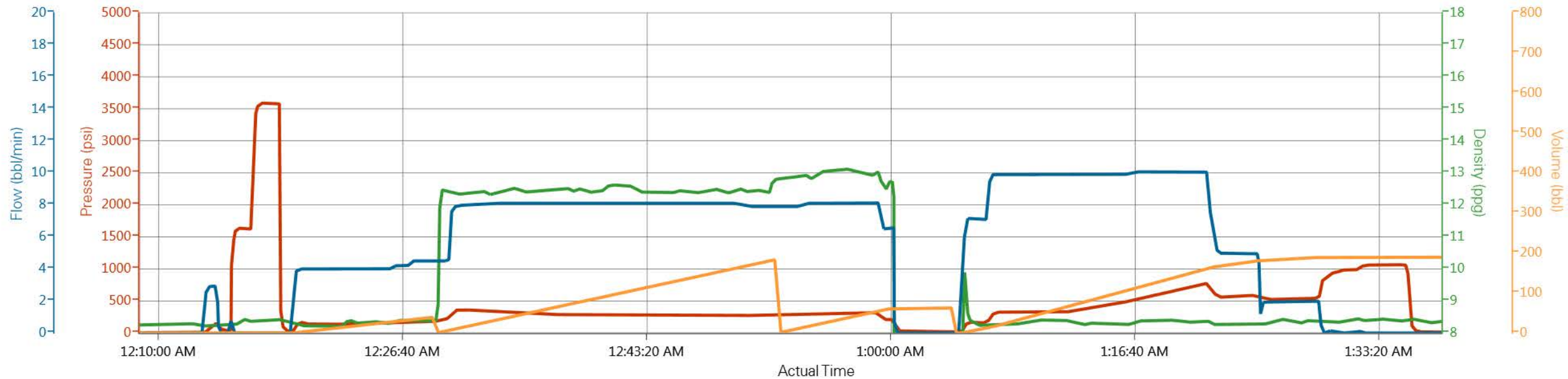
Well: RWF-342-4

Representative: MATT HUTSON

Sales Order #: 900736306

ELITE 3: JOHN KEANE / BRENT BANKS

WPX - RWF-342-4 - 9.625 IN SURFACE



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

▼ **HALLIBURTON** | iCem® Service

Created: 2013-09-15 20:25:44, Version: 2.0.606

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-
EBUS

Job Date: 9/15/2013 10:46:17 PM

Well: RWF-342-4

Representative: MATT HUTSON

Sales Order #: 900736306

ELITE 3: JOHN KEANE / BRENT BANKS

HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: JOHN KEANE
Attention: CHUCK ROSS
Lease: RWF
Well #: 342-4

Date: 9/15/2013
Date Rec.: 9/15/2013
S.O.#: 90073606
Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7.5
Potassium (K)	<i>5000</i>	0 Mg / L
Calcium (Ca)	<i>500</i>	400 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	500 Mg / L
Sulfates (SO ₄)	<i>1500</i>	<200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	62 Deg
Total Dissolved Solids		410 Mg / L

Respectfully: JOHN KEANE

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 #: 900736306	Line Item: 10	Survey Conducted Date: 9/16/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: MATT HUTSON		API / UWI: (leave blank if unknown) 05-045-22084
Well Name: RWF		Well Number: 342-4
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	9/16/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	JOHN KEANE (HB58526)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	MATT HUTSON
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 #: 900736306	Line Item: 10	Survey Conducted Date: 9/16/2013
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Customer Representative: MATT HUTSON		API / UWI: (leave blank if unknown) 05-045-22084
Well Name: RWF		Well Number: 342-4
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	9/16/2013
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)	4
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)	2
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	6
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

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Customer Representative: MATT HUTSON		API / UWI: (leave blank if unknown) 05-045-22084
Well Name: RWF		Well Number: 342-4
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	93
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