

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS
DO NOT MAIL - ACH-43241
TULSA, Oklahoma

RU 42-5

NABORS/574

Post Job Summary

Cement Surface Casing

Date Prepared: 01/22/2014
Version: 1

Service Supervisor: CASTILLO, FRANCISCO

Submitted by: Grand Junction Cement Engineering

HALLIBURTON

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3108850	Quote #:	Sales Order #: 900783050
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Hartl, Al	
Well Name: RU		Well #: 42-5	API/UWI #:
Field: Rulison	City (SAP): RIFLE	County/Parish: Garfield	State: Colorado
Lat: N 39.475 deg. OR N 39 deg. 28 min. 28.924 secs.		Long: W 107.799 deg. OR W -108 deg. 12 min. 4.518 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		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	SCHANZ, ANDREW Jacob	7	544399	SINCLAIR, DAN J	7	338784

Equipment

HES Unit #	Distance-1 way						
10567589C	60 mile	10867094	60 mile	10897925	60 mile	11259884	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
9/28/13	4	0	9/29/13	3	1			
TOTAL			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name	Job			Date	Time	Time Zone
Formation Depth (MD)	Top	SURFACE	Bottom	1170	Called Out	28 - Sep - 2013 16:00 MST
Form Type	BHST			On Location	28 - Sep - 2013 20:00 MST	
Job depth MD	1170. ft	Job Depth TVD	1170. ft	Job Started	29 - Sep - 2013 00:01 MST	
Water Depth		Wk Ht Above Floor	3. ft	Job Completed	29 - Sep - 2013 00:58 MST	
Perforation Depth (MD)	From	To		Departed Loc	29 - Sep - 2013 03:00 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
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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	1115	HES

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe	9.625	1	WTF	1159	Packer					Top Plug	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar	9.625	1	WTF	1115	Retainer					SSR plug set			
Insert Float										Plug Container	9.625	1	HES
Stage Tool										Centralizers	9.625		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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
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Stage/Plug #: 1

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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	VariCem GJ! Lead Cement	VARICEM (TM) CEMENT (452009)	160.0	sacks	12.3	2.38	13.75	7.5	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	7.5	11.75
11.75 Gal		FRESH WATER							
4	Fresh Water Displacement		88.00	bbl	.	.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	30	Actual Displacement	88	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	234
<i>Rates</i>									
Circulating	RIG	Mixing	7.5	Displacement	10	Avg. Job	8.5		
Cement Left In Pipe	Amount	44 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					

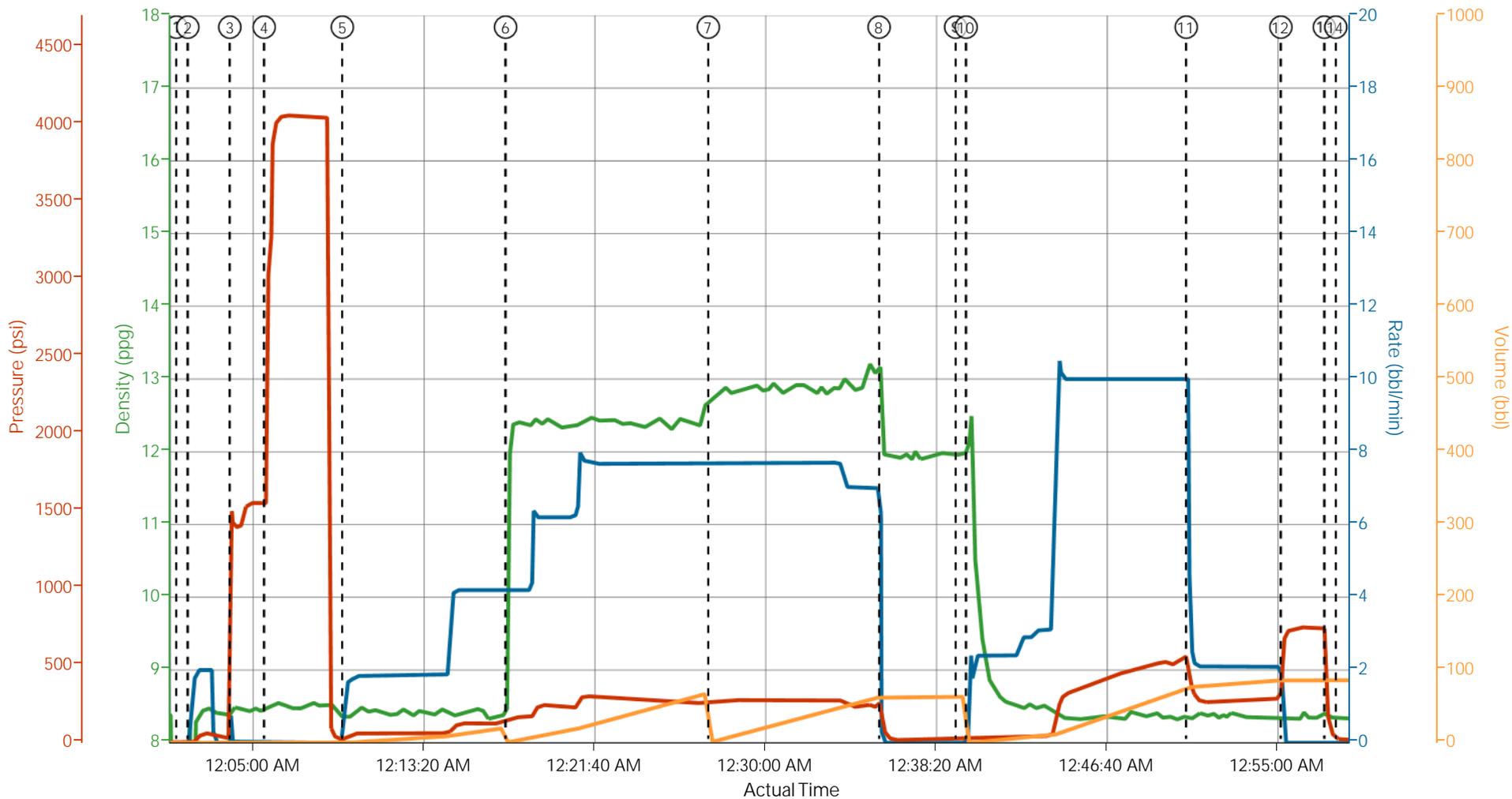
The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3108850	Quote #:	Sales Order #: 900783050
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Hartl, Al	
Well Name: RU		Well #: 42-5	API/UWI #:
Field: Rulison	City (SAP): RIFLE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.475 deg. OR N 39 deg. 28 min. 28.924 secs.		Long: W 107.799 deg. OR W -108 deg. 12 min. 4.518 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: 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	09/28/2013 16:00							CREW WAS CALLED OUT AT 16:00 HRS WITH ON LOCATION TIME FOR 22:00 HRS
Pre-Convoy Safety Meeting	09/28/2013 17:50							ALL HES PERSONEL
Crew Leave Yard	09/28/2013 18:00							
Arrive At Loc	09/28/2013 20:00							CASING CREW WERE SETTING UP TO RUN CASING. STATIONED THE TRUCKS TO THE SIDE OF LOCATION TILL CASING WAS RUN AND RACKS OUT OF THE WAY.
Assessment Of Location Safety Meeting	09/28/2013 22:30							ALL HES PERSONEL
Rig-Up Equipment	09/28/2013 22:40							1-ELITE, 1-660 BULK TRUCKS, 2" PUMPING IRON, 9.625" PLUG CONTAINER AND QUICKLATCH
Rig-Up Completed	09/28/2013 23:30							
Pre-Job Safety Meeting	09/28/2013 23:45							ALL HES PERSONEL AND RIG CREW
Start Job	09/29/2013 00:01							TD-1170', TP-1159', SJ-44', FC-1115', CSG-9.625", 32.3#, H-40, OH-13.5, MUD-10.2 PPG, VISC-110, PV-36, YP-28, pH-.62, TEMP-96
Pump Water	09/29/2013 00:02		2	2			56.0	FILL LINES

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pressure Test	09/29/2013 00:04		0.2	0.2				STALL OUT TEST WITH 1551 PSI
Pressure Test	09/29/2013 00:05		0.2	0.2				PRESSURE TEST LINES WITH 4053 PSI
Pump Spacer	09/29/2013 00:09		4	20			134.0	FRESH WATER
Pump Lead Cement	09/29/2013 00:17		7.5	68			262.0	160 SKS, 12.3 PPG, 2.38 FT3/SK, 13.75 GAL/SK, SETUP TIME 2:38 HRS AT 70 BC
Pump Tail Cement	09/29/2013 00:27		7.5	60			277.0	160 SKS, 12.8 PPG, 2.11 FT3/SK, 11.75 GAL/SK, SETUP TIME 1:51 HRS AT 70 BC
Shutdown	09/29/2013 00:35							
Drop Plug	09/29/2013 00:39							PLUG DROP VERIFIED BY DRILLER
Pump Displacement	09/29/2013 00:40		10	78			445.0	FIRST 10 BBLS OF DISPLACEMENT WERE PUMPED AT 3 BPM WITH 60 PSI
Slow Rate	09/29/2013 00:50		2	10			287.0	
Bump Plug	09/29/2013 00:55							CIRCULATED 30 BBLS/71 SKS OF CEMENT TO SURFACE
Check Floats	09/29/2013 00:57							FLOATS HELD/ 0.5 BBLS FLOW BACK TO DISPLACEMENT TANK
End Job	09/29/2013 00:58							USED 40 LBS OF SUGAR IN THE CELLAR
Post-Job Safety Meeting (Pre Rig-Down)	09/29/2013 01:05							HES PERSONEL
Rig-Down Completed	09/29/2013 02:15							
Depart Location Safety Meeting	09/29/2013 02:50							
Crew Leave Location	09/29/2013 03:00							
Other	09/29/2013 03:01							THANK YOU FOR YOUR BUSINESS FROM JAVIER CASTILLO AND CREW

WPX RU 42-5 9 5/8 SURFACE



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

- Start Job -0.01;0;1;0 • Test Lines 8.48;0.2;2730;2 • Pump Tail Cement 12.74;7.7;263;1.3 • Pump Displacement 12.43;2;27;0.1 • Check Floats 8.36;0;159;86
- Fill Lines 0.1;0.9;0;0 • Pump Water Spacer 8.37;1.1;21;0.1 • Shutdown 12.2;0;112;63.3 • Slow Rate 8.32;4.1;414;76.6 • End Job 8.36;0;21;86
- Stall Out 8.5;0;1376;2 • Pump Lead Cement 11.75;4.2;142;1.1 • Drop Plug 11.92;0;20;63.3 • Bump Plug 8.33;0;682;86

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[Edit](#)

Customer : WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date : 9/28/2013 11:04:07 PM

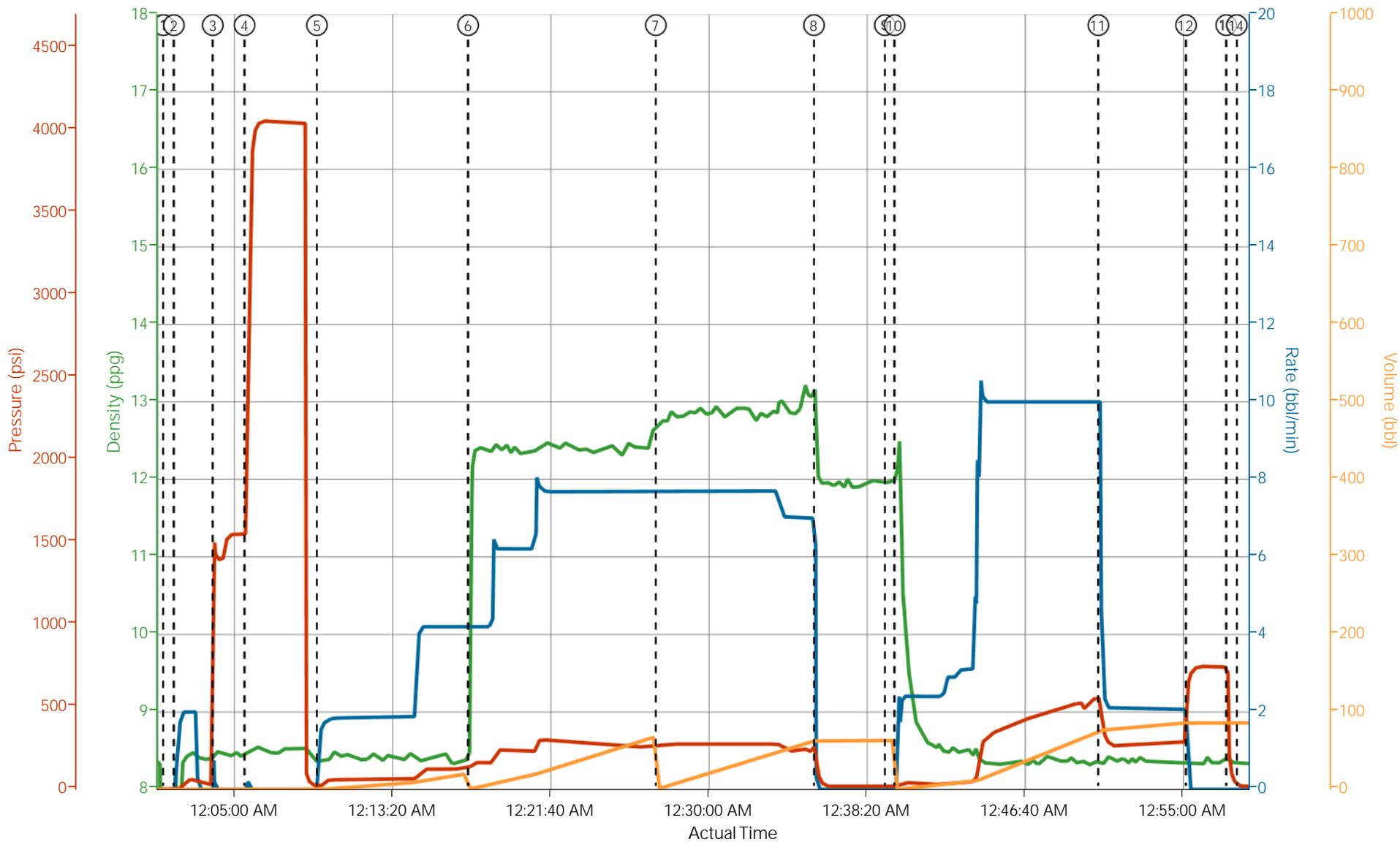
Well : RU 42-5

Representative : AL HARTL

Sales Order # : 900783050

ELITE #3 : J, CASTILLO/DAN SINCLAIR

WPX RU 42-5 9 5/8 SURFACE



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

HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: JAVIER CASTILLO
Attention: J.Trout
Lease: RU
Well #: 42-5

Date: 9/28/2013
Date Rec.: 9/28/2013
S.O.#: 900783050
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>	73 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 its

Sales Order #: 900783050	Line Item: 10	Survey Conducted Date: 9/29/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL HARTL		API / UWI: (leave blank if unknown) AFEYSFJ1FLKGS2BMAAA
Well Name: RU		Well Number: 42-5
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	9/29/2013
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	AL HARTL
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 #: 900783050	Line Item: 10	Survey Conducted Date: 9/29/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL HARTL		API / UWI: (leave blank if unknown) AFEYSFJ1FLKGS2BMAAA
Well Name: RU		Well Number: 42-5
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	9/29/2013
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)	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 #: 900783050	Line Item: 10	Survey Conducted Date: 9/29/2013
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Customer Representative: AL HARTL		API / UWI: (leave blank if unknown) AFEYSFJ1FLKGS2BMAAA
Well Name: RU		Well Number: 42-5
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