
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**NER 444-32
Rulison
Garfield County , Colorado**

**Cement Surface Casing
05-Jan-2014**

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3123455	Quote #:	Sales Order #: 901013049
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: Hartl, Al		
Well Name: NER	Well #: 444-32	API/UWI #: 05-045-21785	
Field: Rulison	City (SAP): RIFLE	County/Parish: Garfield	State: Colorado
Lat: N 39.475 deg. OR N 39 deg. 28 min. 29.276 secs.	Long: W 107.799 deg. OR W -108 deg. 12 min. 4.378 secs.		
Contractor: Nabors	Rig/Platform Name/Num: Nabors 576		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: MAYO, MARK	Srv Supervisor: CARTER, ERIC	MBU ID Emp #: 345598	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CAMPBELL, DAVID Arthur	0.0	544403	CARTER, ERIC Earl	0.0	345598	LINN, PAUL Andrew	0.0	479143

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10001431	60 mile	10296152C	60 mile	11071559	60 mile	11583933	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

TOTAL Total is the sum of each column separately

Job

Formation Name							Date	Time	Time Zone
Formation Depth (MD)	Top			Bottom		Called Out	05 - Jan - 2014	10:00	MST
Form Type				BHST		On Location	05 - Jan - 2014	15:00	MST
Job depth MD	1153 ft			Job Depth TVD	1153 ft	Job Started	05 - Jan - 2014	20:05	MST
Water Depth				Wk Ht Above Floor	5. ft	Job Completed	05 - Jan - 2014	21:12	GMT
Perforation Depth (MD)	From			To		Departed Loc	05 - Jan - 2014	22:30	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
HOLE				13.5				.	1163.		
SURFACE CASING	Unknown		9.625	9.001	32.3		H-40	.	1120.5		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
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

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

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	.0	
2	VersaCem Lead	VARICEM (TM) CEMENT (452009)	160.0	sacks	12.3	2.38	13.75		13.75
	13.75 Gal	FRESH WATER							
3	VersaCem Tail	VARICEM (TM) CEMENT (452009)	160.0	sacks	12.8	2.11	11.75		11.75
	11.75 Gal	FRESH WATER							
4	Displacement Fluid		87.00	bbl	8.34	.0	.0	10.0	
Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	43.9 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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Field: Rulison		City (SAP): RIFLE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39.475 deg. OR N 39 deg. 28 min. 29.276 secs.				Long: W 107.799 deg. OR W -108 deg. 12 min. 4.378 secs.			
Contractor: Nabors			Rig/Platform Name/Num: Nabors 576				
Job Purpose: Cement Surface Casing						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: MAYO, MARK			Srv Supervisor: CARTER, ERIC			MBU ID Emp #: 345598	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	01/05/2014 10:00							
Depart Yard Safety Meeting	01/05/2014 12:20							ATTENDED BY ALL HES CREW
Crew Leave Yard	01/05/2014 12:30							
Arrive At Loc	01/05/2014 15:00							RIG PREPARING TO RUN CASING
Assessment Of Location Safety Meeting	01/05/2014 15:10							ATTENDED BY ALL HES CREW
Other	01/05/2014 15:20							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	01/05/2014 18:50							ATTENDED BY ALL HES CREW
Rig-Up Equipment	01/05/2014 19:00							
Pre-Job Safety Meeting	01/05/2014 19:40							ATTENDED BY ALL HES CREW, RIG CREW AND COMPANY REP
Start Job	01/05/2014 20:05							TP 1153', LJ 29', TD 1163', SJ 43.9', FC 1076.63', MW 9.7 PPG, CASING 9.625", 32.3#, H-40, HOLE 13.5", 9 CENTRALIZERS, RIG CIRCULATED FOR 1 HR PRIOR TO JOB
Other	01/05/2014 20:06		2	2			200.0	FILL LINES
Test Lines	01/05/2014 20:08							PRESSURED UP TO 3400 PSI, PRESSURE HELD
Pump Spacer	01/05/2014 20:21		3	20			250.0	FRESH WATER
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

Sold To # : 300721

Ship To # :3123455

Quote # :

Sales Order # : 901013049

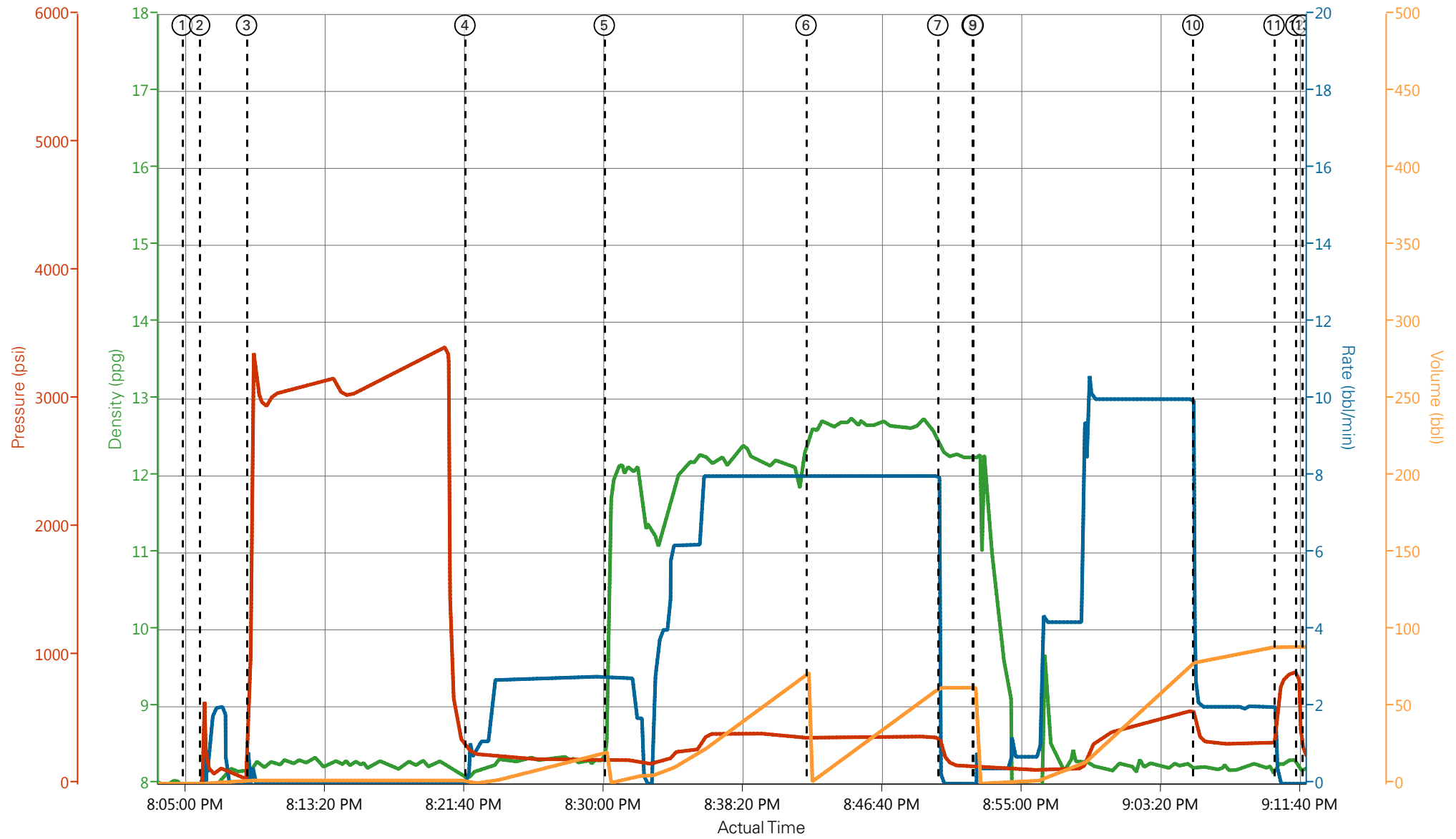
SUMMIT Version: 7.3.0109

Wednesday, January 15, 2014 11:17:00

Cementing Job Log

		#		Stage	Total	Tubing	Casing	
Pump Lead Cement	01/05/2014 20:30		8	67.8			400.0	160 SKS VARICEM MIXED AT 12.3 PPG, 2.38 YIELD, 13.75 GL/SK
Pump Tail Cement	01/05/2014 20:42		8	60.1			380.0	160 SKS VARICEM MIXED AT 12.8 PPG, 2.11 YIELD, 11.75 GL/SK
Shutdown	01/05/2014 20:50							
Drop Top Plug	01/05/2014 20:52							PLUG LAUNCHED
Pump Displacement	01/05/2014 20:52		10	77			570.0	FRESH WATER
Slow Rate	01/05/2014 21:05		2	10			310.0	
Bump Plug	01/05/2014 21:10						875.0	PLUG LANDED
Check Floats	01/05/2014 21:11							FLOATS HELD
End Job	01/05/2014 21:12							GOOD CIRCULATION THROUGH OUT JOB, PIPE NOT MOVED DURING JOB, 30 BBLS CEMENT TO SURFACE
Post-Job Safety Meeting (Pre Rig-Down)	01/05/2014 21:15							ATTENDED BY ALL HES CREW
Rig-Down Equipment	01/05/2014 21:20							
Depart Location Safety Meeting	01/05/2014 22:20							ATTENDED BY ALL HES CREW
Crew Leave Location	01/05/2014 22:30							THANK YOU FOR USING HALLIBURTON CEMENT, ERIC CARTER AND CREW.

WPX - NER 444-32 - SURFACE



① Start Job 7.95;0;-3;0 ② Fill Lines 7.96;0;-3;0 ③ Test Lines 8.17;0;998;2.1 ④ Pump Spacer 8.06;0;266;0 ⑤ Pump Lead Cement 9.93;2.8;177;0 ⑥ Pump Tail Cement 12.66;8;361;0.1 ⑦ Shutdown 12.3

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Created: 2014-01-05 16:35:07, Version: 2.0.606

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 1/5/2014 7:21:52 PM

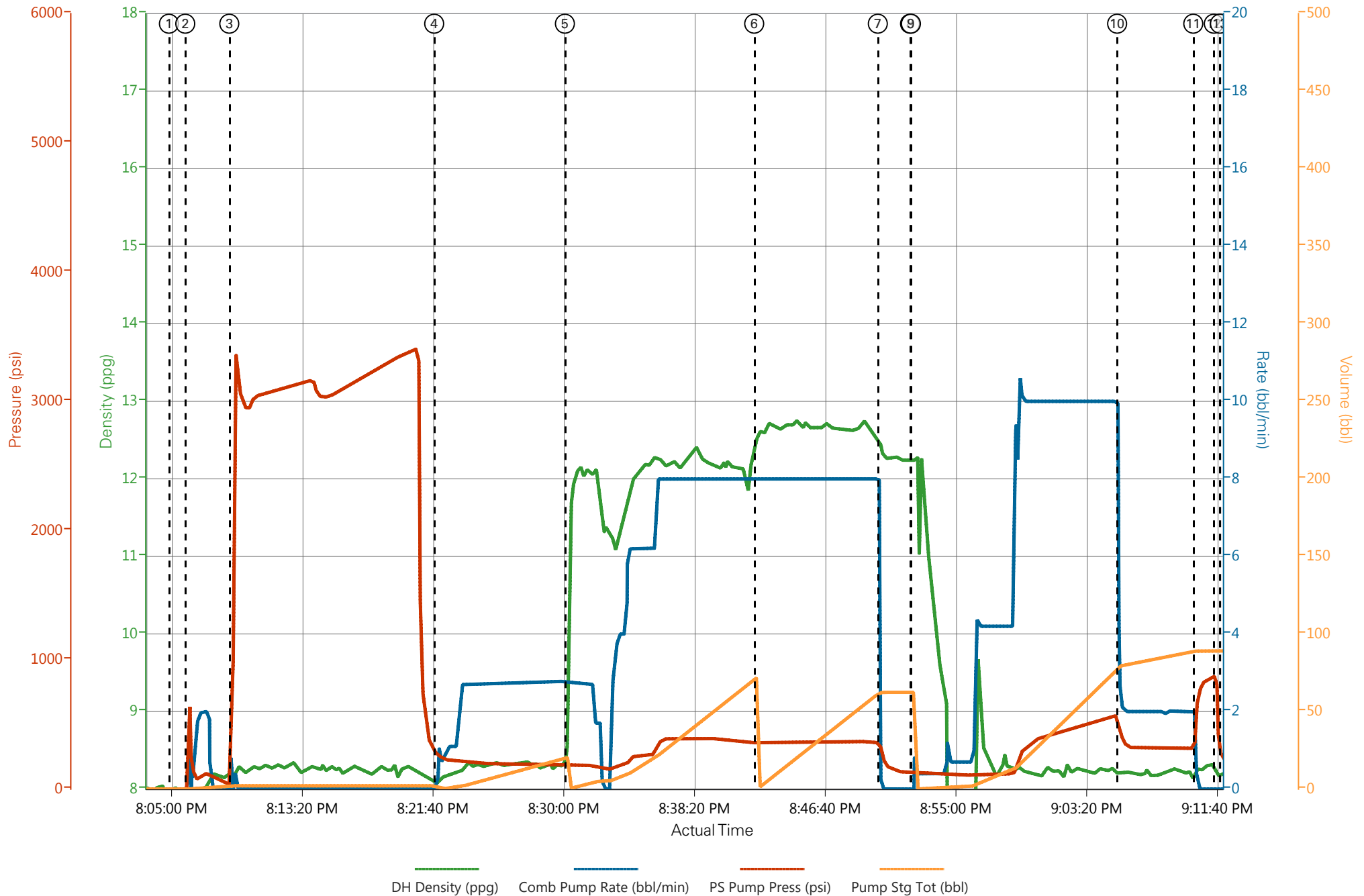
Well: NER 444-32

Representative: RICK OAKS

Sales Order #: 901013049

ERIC CARTER: ANDREW LINN/ELITE 2

WPX - NER 444-32 - SURFACE



HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: ERIC CARTER
Attention: J.Trout
Lease: NABORS 576
Well #: NER 444-32

Date: 1/15/2014
Date Rec.: 1/15/2014
S.O.#: 901013049
Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	250 Mg / L
Hrdness	<i>500</i>	425 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
Temp	<i>40-80</i>	45 Deg
Total Dissolved Solids		760 Mg / L

Respectfully: ERIC CARTER

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 #: 901013049	Line Item: 10	Survey Conducted Date: 1/5/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: RICK OAKS		API / UWI: (leave blank if unknown) 05-045-21785
Well Name: NER		Well Number: 444-32
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	1/5/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	ERIC CARTER (HX15491)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	RICK OAKS
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	THANKS GOOD JOB.

CUSTOMER SIGNATURE

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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	1/5/2014

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.	3.5
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

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Well Name: NER		Well Number: 444-32
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	97
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	97
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