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**WPX ENERGY ROCKY MOUNTAIN LLC-EBUS**

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**PA 11-27  
PARACHUTE  
Garfield County , Colorado**

**Cement Surface Casing**  
15-Sep-2013

**Post Job Summary**

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 300721	<b>Ship To #:</b> 3105104	<b>Quote #:</b>	<b>Sales Order #:</b> 900739444
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Customer Rep:</b> Sampson, Harry	
<b>Well Name:</b> PA		<b>Well #:</b> 11-27	<b>API/UWI #:</b>
<b>Field:</b> PARACHUTE	<b>City (SAP):</b> PARACHUTE	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Contractor:</b> Nabors		<b>Rig/Platform Name/Num:</b> Nabors 573	
<b>Job Purpose:</b> Cement Surface Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> MAYO, MARK		<b>Srvc Supervisor:</b> CASTILLO, FRANCISCO	<b>MBU ID Emp #:</b> 513620

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CASTILLO, FRANCISCO P	13	513620	MCINTOSH, ROBERT James	13	547652	WOLFE, JON P	13	485217

**Equipment**

HES Unit #	Distance-1 way						
10001431	60 mile	10616651C	60 mile	11259884	60 mile	11360871	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
9/15/13	13	3						

**TOTAL** Total is the sum of each column separately

**Job**

**Job Times**

Formation Name	Job			Date	Time	Time Zone
Formation Depth (MD)	Top	SURFACE	Bottom	2915	Called Out	14 - Sep - 2013 20:10 MST
Form Type	BHST			On Location	15 - Sep - 2013 00:01 MST	
Job depth MD	2915. ft	Job Depth TVD	2925. ft	Job Started	15 - Sep - 2013 08:30 MST	
Water Depth		Wk Ht Above Floor	3. ft	Job Completed	15 - Sep - 2013 11:08 MST	
Perforation Depth (MD)	From	To		Departed Loc	15 - Sep - 2013 13:00 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	2902	Packer					Top Plug	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar	9.625	1	WTF	2861	Retainer					SSR plug set			
Insert Float										Plug Container	9.625	1	HES
Stage Tool										Centralizers	9.625	12	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 <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water Spacer		20.00	bbl	8.33	.0	.0	4	
2	VersaCem GJ1 Lead Cement	VARICEM (TM) CEMENT (452009)	500.0	sacks	12.3	2.38	13.75	5	13.75
13.75 Gal		FRESH WATER							
3	VersaCemGJ1 Tail Cement	VARICEM (TM) CEMENT (452009)	160.0	sacks	12.8	2.11	11.75	5	11.75
11.75 Gal		FRESH WATER							
4	Displacement Fluid		225.00	bbl	8.34	.0	.0	7	
Calculated Values		Pressures		Volumes					
Displacement	225	Shut In: Instant		Lost Returns	0	Cement Slurry	272	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	20	Actual Displacement	225	Treatment	
Frac Gradient		15 Min		Spacers	40	Load and Breakdown		Total Job	517
<b>Rates</b>									
Circulating	RIG	Mixing	5	Displacement	7	Avg. Job	6.5		
Cement Left In Pipe	Amount	41 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					

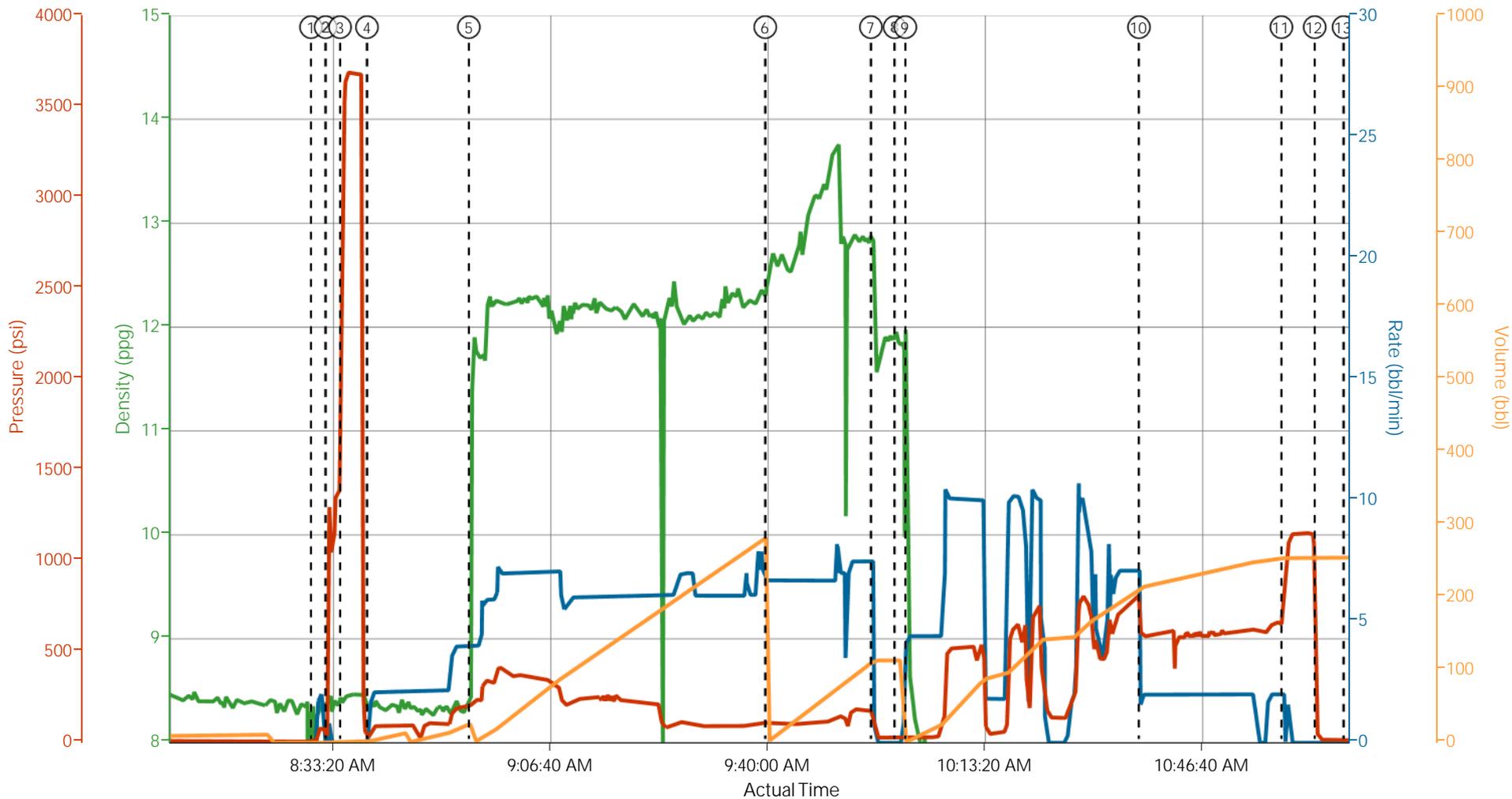
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<b>Sold To #:</b> 300721	<b>Ship To #:</b> 3105104	<b>Quote #:</b>	<b>Sales Order #:</b> 900739444
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<b>Well Name:</b> PA		<b>Well #:</b> 11-27	<b>API/UWI #:</b>
<b>Field:</b> PARACHUTE	<b>City (SAP):</b> PARACHUTE	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Legal Description:</b>			
<b>Lat:</b>		<b>Long:</b>	
<b>Contractor:</b> Nabors		<b>Rig/Platform Name/Num:</b> Nabors 573	
<b>Job Purpose:</b> Cement Surface Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> MAYO, MARK		<b>Srvc Supervisor:</b> CASTILLO, FRANCISCO	<b>MBU ID Emp #:</b> 513620

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	09/14/2013 20:10							ON LOCATION AT 02:00 HRS
Pre-Convoy Safety Meeting	09/14/2013 22:15							ALL HES PERSONEL
Crew Leave Yard	09/14/2013 22:30							
Arrive At Loc	09/15/2013 00:01							RIG WAS DONE PULLING DRILL PIPE AND CASING CREW WAS RIGGING UP TO RUN CASING
Assessment Of Location Safety Meeting	09/15/2013 06:45							
Rig-Up Equipment	09/15/2013 06:50							1-ELITE, 1-660 BULK TRUCKS, 1-1700FT3 SILO, 2" PUMPING IRON, 9.625" PLUG CONTAINER AND QUICKLATCH
Rig-Up Completed	09/15/2013 08:00							
Pre-Job Safety Meeting	09/15/2013 08:15							ALL HES PERSONEL AND RIG CREW
Start Job	09/15/2013 08:30							
Pump Water	09/15/2013 08:31		2	2			85.0	FILL LINES
Pressure Test	09/15/2013 08:32		0.2	0.2				STALL OUT TEST WITH 1388 PSI
Pressure Test	09/15/2013 08:34		0.2	0.2				PRESSURE TEST LINES WITH 3690 PSI
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Pump Spacer	09/15/2013 08:39		4	20			201.0	FIRST 20 BBLS WERE PUMPED AT 2 BPM WITH 73 PSI WHILE BATCHING UP CEMENT SLURRY
Pump Lead Cement	09/15/2013 08:54		7	212			257.0	500 SKS, 12.3 PPG, 2.38 FT3/SK, 13.75 GAL/SK, SETUP TIME 2:38 HRS AT 70 BC/LAST 92 BBLS OF LEAD WERE PUMPED AT 5 BPM WITH 91 PSI
Pump Tail Cement	09/15/2013 09:40		5	60				160 SKS, 12.8 PPG, 2.11 FT3/SK, 11.75 GAL/SK, SETUP TIME 1:51 HRS AT 70 BC
Shutdown	09/15/2013 09:56							
Drop Plug	09/15/2013 10:00							
Pump Displacement	09/15/2013 10:01		7	215			790.0	PUMPED FIRST 10 BBLS AT 4 BPM WITH 350 PSI WHILE OPERATOR WASHED CEMENT HEAD AND TUB.
Slow Rate	09/15/2013 10:37		2	10			621.0	
Bump Plug	09/15/2013 10:59			225				ALL HES PERSONEL
Check Floats	09/15/2013 11:04							FLOATS HELD/ 0.75 BBLS FLOW BACK TO DISPLACEMENT TANK
End Job	09/15/2013 11:08							CIRCULATED 20 BBLS/47 SKS OF CEMENT TO SURFACE 50 BBLS OF SUGAR WERE USED
Post-Job Safety Meeting (Pre Rig-Down)	09/15/2013 11:10							
Rig-Down Completed	09/15/2013 11:15							
Crew Leave Location	09/15/2013 13:00							
Other	09/15/2013 13:01							THANK YOU FOR YOUR BUSINESS FROM JAVIER CASTILLO AND CREW

# WPX PA 11-27 SURFACE



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

- Start Job 8.37;0;5;0      • Pump Water Spacer 8.33;1.7;38;2.2      • Shutdown 11.95;0;108;113.3      • Slow Rate 7.75;2;582;214.3      • End Job 7.75;0;14;254.8
- Stall Out 8.38;0;1285;2      • Pump Lead Cement 11.7;4;222;0.1      • Drop Plug 11.86;0;21;113.3      • Bump Plug 7.84;0;945;254.3
- Test Lines 8.43;0;3251;2.1      • Pump Tail Cement 12.53;6.7;105;2.7      • Pump Displacement 9.05;4.4;40;3      • Check Floats 7.72;0;29;254.8

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[Edit](#)

Customer : WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date : 9/15/2013 8:02:22 AM

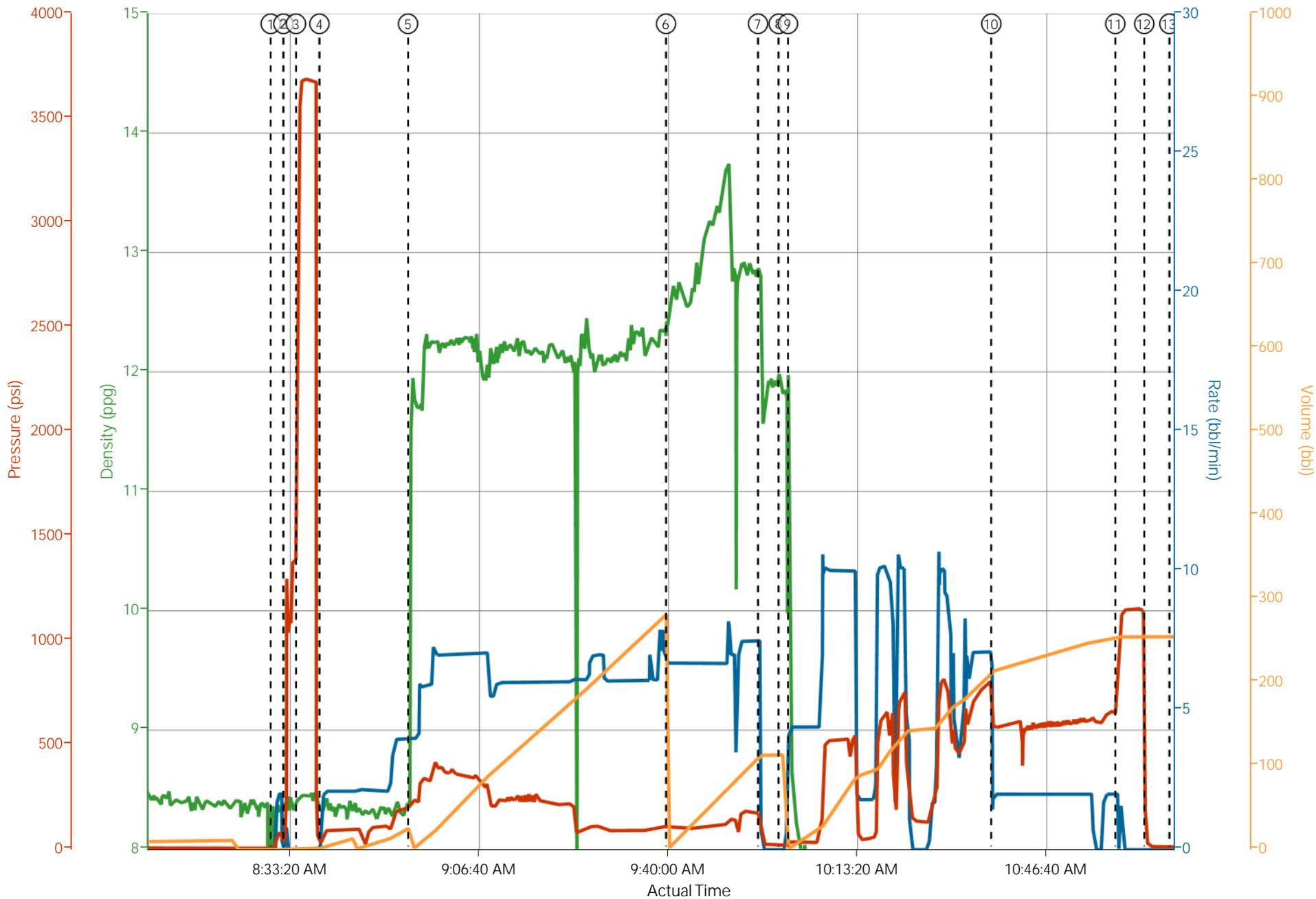
Well : PA 11-27

Representative: JAVIER CASTILLO

Sales Order #: 900739444

CUST: RONTOWERS: ELITE #4 JON WOLFE

# WPX PA 11-27 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: PA  
Well #: 41605

Date: 9/15/2013  
Date Rec.: 9/15/2013  
S.O.#: 900739444  
Job Type: SURFACE

Specific Gravity	<i>MAX</i>	<b>1</b>
pH	<i>8</i>	<b>7</b>
Potassium (K)	<i>5000</i>	<b>200</b> Mg / L
Calcium (Ca)	<i>500</i>	<b>120</b> Mg / L
Iron (FE2)	<i>300</i>	<b>0</b> Mg / L
Chlorides (Cl)	<i>3000</i>	<b>0</b> Mg / L
Sulfates (SO <sub>4</sub> )	<i>1500</i>	<b>200</b> Mg / L
Chlorine (Cl <sub>2</sub> )		<b>0</b> Mg / L
Temp	<i>40-80</i>	<b>71</b> Deg
Total Dissolved Solids		<b>200</b> 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

<b>Sales Order #:</b> 900739444	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 9/15/2013
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> RON TOWERS		<b>API / UWI: (leave blank if unknown)</b> AFEYKTGCXIKQRP3PAAA
<b>Well Name:</b> PA		<b>Well Number:</b> 11-27
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<b>Well State:</b> Colorado	<b>Well County:</b> 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	9/15/2013
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	RON TOWERS
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	

<b>CUSTOMER SIGNATURE</b>
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<b>Well Name:</b> PA		<b>Well Number:</b> 11-27
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

### KEY PERFORMANCE INDICATORS

General	
<b>Survey Conducted Date</b>	9/15/2013
The date the survey was conducted	

Cementing KPI Survey	
<b>Type of Job</b>	0
Select the type of job. (Cementing or Non-Cementing)	
<b>Select the Maximum Deviation range for this Job</b>	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
<b>Total Operating Time (hours)</b>	13
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
<b>HSE Incident, Accident, Injury</b>	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
<b>Was the job purpose achieved?</b>	Yes
Was the job delivered correctly as per customer agreed design?	
<b>Operating Hours (Pumping Hours)</b>	3
Total number of hours pumping fluid on this job. Enter in decimal format.	
<b>Customer Non-Productive Rig Time (hrs)</b>	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.	
<b>Type of Rig Classification Job Was Performed</b>	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
<b>Number Of JSAs Performed</b>	5
Number Of Jsas Performed	
<b>Number of Unplanned Shutdowns</b>	0
Unplanned shutdown is when injection stops for any period of time.	
<b>Was this a Primary Cement Job (Yes / No)</b>	Yes

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<b>Well Name:</b> PA		<b>Well Number:</b> 11-27
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<b>H2S Present:</b>	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
<b>Did We Run Wiper Plugs?</b> Did We Run Top And Bottom Casing Wiper Plugs?	Top
<b>Mixing Density of Job Stayed in Designed Density Range (0-100%)</b> Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	90
<b>Was Automated Density Control Used?</b> Was Automated Density Control (ADC) Used ?	Yes
<b>Pump Rate (percent) of Job Stayed At Designed Pump Rate</b> 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
<b>Nbr of Remedial Sqz Jobs Rqd - Competition</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
<b>Nbr of Remedial Plug Jobs Rqd - HES</b> Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
<b>Nbr of Remedial Sqz Jobs Rqd - HES</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0