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**WPX ENERGY ROCKY MOUNTAIN LLC-EBUS**

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**PA 321-11  
PICEANCE  
Garfield County , Colorado**

**Cement Surface Casing**  
**06-Jun-2013**

**Post Job Report**

## The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 300721	Quote #:	Sales Order #: 900496276
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: Duniho, Al		
Well Name: PA	Well #: 321-11	API/UWI #:	
Field: PICEANCE	City (SAP): TULSA	County/Parish: Garfield	State: Colorado
Contractor: Cylcone Drilling	Rig/Platform Name/Num: Cyclone17		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: MAYO, MARK	Srv Supervisor: ANDREWS, ANTHONY	MBU ID Emp #: 321604	

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANDERSON, ADAM S	7	456683	ANDREWS, ANTHONY Michael	7	321604	DEUSSEN, EDWARD Eric	7	485182

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
6/6/13	7	3						

TOTAL	Total is the sum of each column separately							
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## Job

Formation Name					Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom		Called Out	06 - Jun - 2013	07:00 MST
Form Type		BHST			On Location	06 - Jun - 2013	11:30 MST
Job depth MD	900. ft	Job Depth TVD	900. ft		Job Started	06 - Jun - 2013	16:39 MST
Water Depth		Wk Ht Above Floor	4. ft		Job Completed	06 - Jun - 2013	17:25 MST
Perforation Depth (MD)	From		To		Departed Loc	06 - Jun - 2013	18:30 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
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## 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

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		
1	Fresh Water Spacer				20	bbl	.	.0	.0	.0			

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	
2	VersaCem GJ1Tail Cement	VERSACEM (TM) SYSTEM (452010)	260	sacks	12.8	2.11	11.75		11.75	
3	Fresh Water Displacement		70.8	bbl	.	.0	.0	.0		
Calculated Values		Pressures		Volumes						
Displacement	70.8	Shut In: Instant		Lost Returns	N	Cement Slurry	97.7	Pad		
Top Of Cement	SURFACE	5 Min		Cement Returns	20	Actual Displacement	70.8	Treatment		
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	188.5	
Rates										
Circulating	RIG	Mixing	8	Displacement	10-2	Avg. Job	8			
Cement Left In Pipe	Amount	47 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*

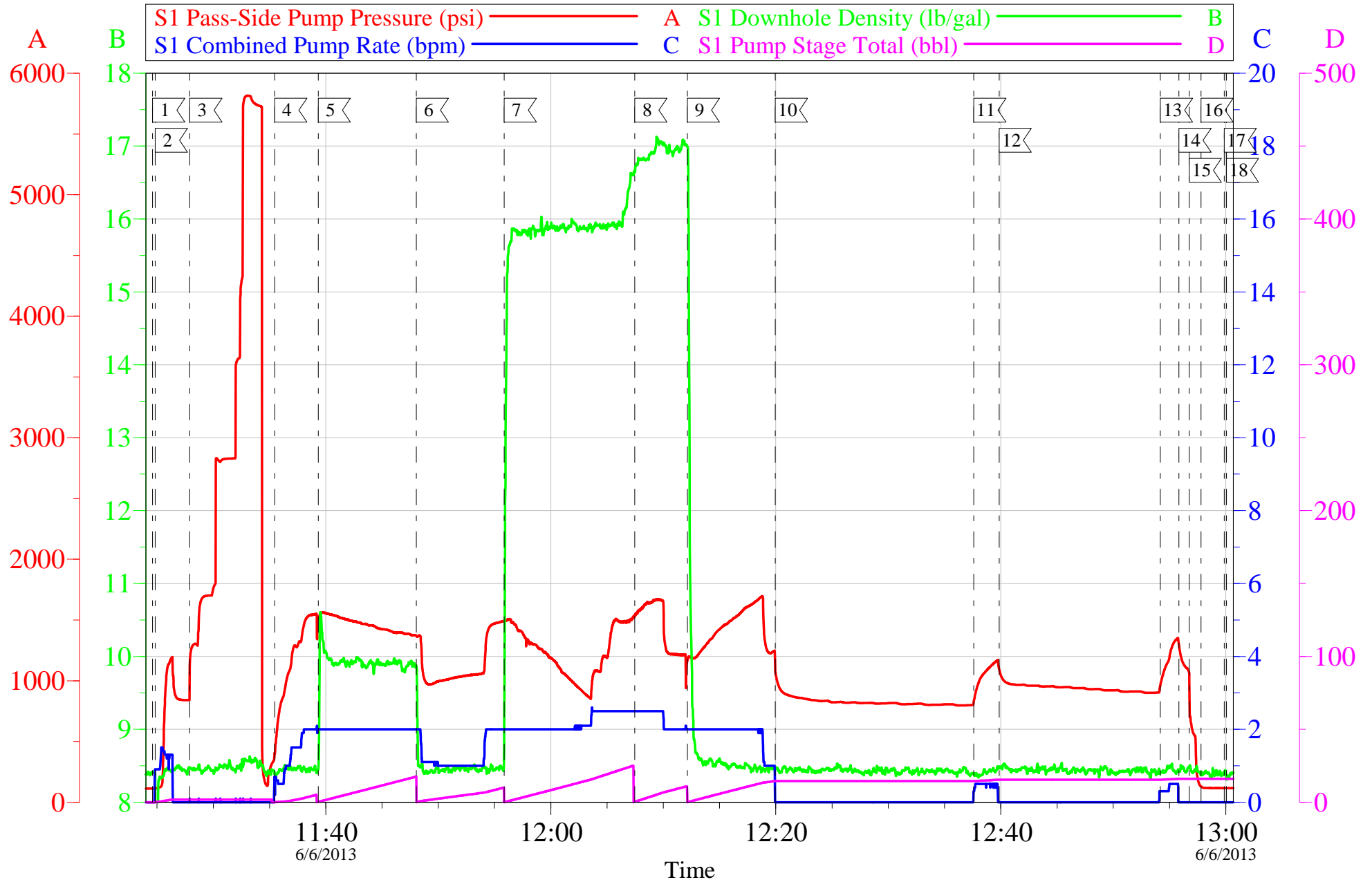
<b>Sold To #:</b> 300721		<b>Ship To #:</b> 300721		<b>Quote #:</b>		<b>Sales Order #:</b> 900496276	
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				<b>Customer Rep:</b> Duniho, Al			
<b>Well Name:</b> PA			<b>Well #:</b> 321-11		<b>API/UWI #:</b>		
<b>Field:</b> PICEANCE		<b>City (SAP):</b> TULSA		<b>County/Parish:</b> Garfield		<b>State:</b> Colorado	
<b>Legal Description:</b>							
<b>Lat:</b>				<b>Long:</b>			
<b>Contractor:</b> Cylcone Drilling			<b>Rig/Platform Name/Num:</b> Cyclone17				
<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> ANDREWS, ANTHONY			<b>MBU ID Emp #:</b> 321604	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	06/06/2013 07:00							
Pre-Convoy Safety Meeting	06/06/2013 09:45							
Crew Leave Yard	06/06/2013 10:00							
Arrive At Loc	06/06/2013 11:30							
Assessment Of Location Safety Meeting	06/06/2013 11:35							
Other	06/06/2013 15:20							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	06/06/2013 15:25							
Rig-Up Equipment	06/06/2013 15:30							
Pre-Job Safety Meeting	06/06/2013 16:15							
Start Job	06/06/2013 16:39							TD: 960 TP: 946.49 SJ: 47' MW: 9.7 9 5/8" 32.3#?FT CSG IN 13 1/2" OH
Test Lines	06/06/2013 16:40							3000 PSI TEST
Pump Spacer	06/06/2013 16:45		4	20			76.0	FRSH H2O SPACER
Pump Tail Cement	06/06/2013 16:53		8	97.7			227.0	260 SKS @ 12.8 PPG 2.11 YLD 11.75 GAL/SK H2O
Shutdown	06/06/2013 17:06							
Drop Plug	06/06/2013 17:08							
Pump Displacement	06/06/2013 17:08		10		70.8		247.0	FRESH H2O DISPLACEMENT

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Slow Rate	06/06/2013 17:16		2	60			250.0	
Bump Plug	06/06/2013 17:21		2	70.8			718.0	PLUG BUMPED AT CALCULATED DISPLACEMENT
Check Floats	06/06/2013 17:24							FLAOTS HELD
End Job	06/06/2013 17:25							
Post-Job Safety Meeting (Pre Rig-Down)	06/06/2013 17:30							GOOD CIRCULATION THROUGHOUT JOB. PIPE WAS LEFT STATIC THROUGHOUT JOB. CIRCULATED 20 BBLs CEMENT TO SURFACE. USED 80 LBS SUGAR. NO ADD HOURS CHARGED
Rig-Down Equipment	06/06/2013 17:45							
Pre-Convoy Safety Meeting	06/06/2013 18:25							
Crew Leave Location	06/06/2013 18:30							THANK YOU FOR CHOOSING HALLIBURTON CEMENTING OF GRAND JUNCTION, COLORADO ANTHONY ANDREWS AND CREW

# WPX PA 433-2

## SQUEEZE



Customer: WPX	Job Date: 06-Jun-2013	Sales Order #: 900497630
Well Description: PA 433-2	Job Type: SQUEEZE	ADC Used: YES
Customer Rep: JUSTIN SKALA	Cement Supervisor: JESSE SLAUGHTER	Elite #4: STEPHAN ATKINSON

OptiCem v6.4.10  
06-Jun-13 13:19

<b>Sales Order #:</b> 900496276	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 6/6/2013
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> AL DUNIHO		<b>API / UWI: (leave blank if unknown)</b> AFEYKDQIVGKPN1BTAAA
<b>Well Name:</b> PA		<b>Well Number:</b> 321-11
<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	6/6/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	ANTHONY ANDREWS (HAM3833)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	AL DUNIHO
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	GOOD JOB MEN!

<b>CUSTOMER SIGNATURE</b>
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<b>H2S Present:</b>	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

*KEY PERFORMANCE INDICATORS*

General	
<b>Survey Conducted Date</b> The date the survey was conducted	6/6/2013

Cementing KPI Survey	
<b>Type of Job</b> Select the type of job. (Cementing or Non-Cementing)	0
<b>Select the Maximum Deviation range for this Job</b> What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
<b>Total Operating Time (hours)</b> Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	3
<b>HSE Incident, Accident, Injury</b> HSE Incident, Accident, Injury. This should be recordable incidents only.	No
<b>Was the job purpose achieved?</b> Was the job delivered correctly as per customer agreed design?	Yes
<b>Operating Hours (Pumping Hours)</b> Total number of hours pumping fluid on this job. Enter in decimal format.	1
<b>Customer Non-Productive Rig Time (hrs)</b> 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
<b>Type of Rig Classification Job Was Performed</b> Type Of Rig (classification) Job Was Performed On	Drilling Rig (Portable)
<b>Number Of JSAs Performed</b> Number Of Jsas Performed	7
<b>Number of Unplanned Shutdowns</b> Unplanned shutdown is when injection stops for any period of time.	0
<b>Was this a Primary Cement Job (Yes / No)</b>	Yes



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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	90
<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