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**WPX ENERGY ROCKY MOUNTAIN LLC-EBUS**

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**PA 443-2  
PARACHUTE  
Garfield County , Colorado**

**Cement Surface Casing  
14-Mar-2013**

**Post Job Report**

## The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2980596	Quote #:	Sales Order #: 900215851
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: Hudson, Matt		
Well Name: PA	Well #: 443-2	API/UWI #: 05-045-20889	
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.466 deg. OR N 39 deg. 27 min. 57.64 secs.	Long: W 107.954 deg. OR W -108 deg. 2 min. 45.568 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: 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 #
BROWN, TRAVIS A	0.0	396848	CASTILLO, FRANCISCO P	0.0	513620	CASTILLO, FRANCISCO P	0.0	513620
KAMMEIER, CHRISTOPHER Michael	0.0	524554						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10567589C	60 mile	10867531	60 mile	10951245	60 mile	10989685	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
TOTAL			Total is the sum of each column separately					

## Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	14 - Mar - 2013	18:00	MST
Form Type		BHST	Job Started	14 - Mar - 2013	19:54	MST
Job depth MD	1235. ft	Job Depth TVD	Job Completed	14 - Mar - 2013	20:49	MST
Water Depth		Wk Ht Above Floor	Departed Loc	14 - Mar - 2013	22:00	MST
Perforation Depth (MD)	From	To				

## 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				12.75				.	1230.		
Surface Casing	Unknown		9.625	9.001	32.3		I-80	.	1230.		

Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA		

## 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 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	.0		
2	LEAD CEMENT	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.3	2.38	13.75		13.75	
	13.75 Gal	FRESH WATER								
3	TAIL CEMENT	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75		11.75	
	11.75 Gal	FRESH WATER								
4	Displacement		92.00	bbl	8.33	.0	.0	.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	0 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*

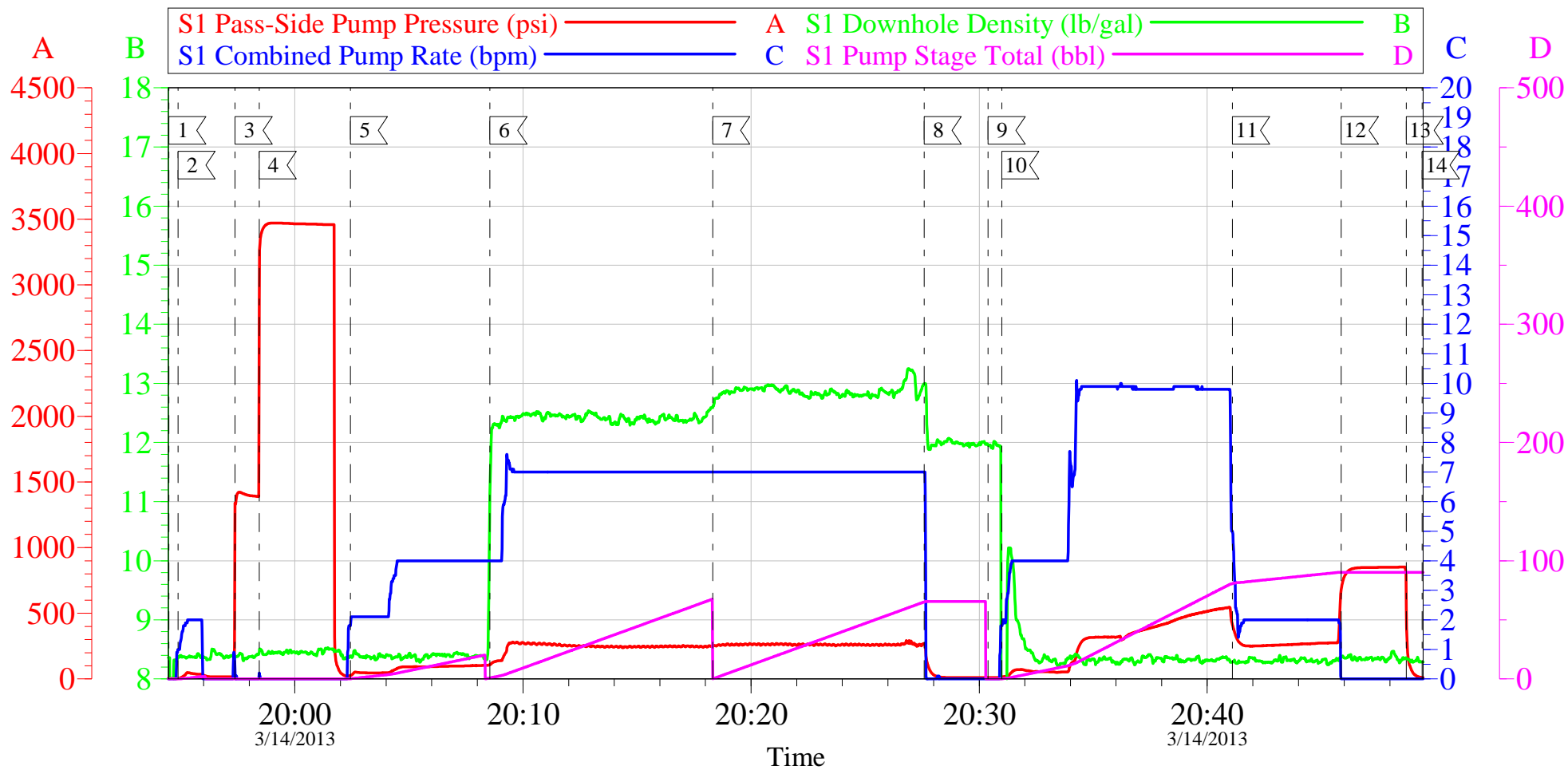
<b>Sold To #:</b> 300721		<b>Ship To #:</b> 2980596		<b>Quote #:</b>		<b>Sales Order #:</b> 900215851	
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				<b>Customer Rep:</b> Hudson, Matt			
<b>Well Name:</b> PA			<b>Well #:</b> 443-2			<b>API/UWI #:</b> 05-045-20889	
<b>Field:</b> PARACHUTE		<b>City (SAP):</b> PARACHUTE		<b>County/Parish:</b> Garfield		<b>State:</b> Colorado	
<b>Legal Description:</b>							
<b>Lat:</b> N 39.466 deg. OR N 39 deg. 27 min. 57.64 secs.				<b>Long:</b> W 107.954 deg. OR W -108 deg. 2 min. 45.568 secs.			
<b>Contractor:</b> NABORS 574			<b>Rig/Platform Name/Num:</b> NABORS 574				
<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>Srv 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	
Pre-Convoy Safety Meeting	03/14/2013 12:20							ALL HES PERSONEL
Crew Leave Yard	03/14/2013 12:30							
Arrive At Loc	03/14/2013 15:00							DRILLING RIG WAS STILL RUNNING CASING/RIG LANDED CASING AT 18:45HRS AND CIRCULATED TILL 19:00HRS
Assessment Of Location Safety Meeting	03/14/2013 18:00							ALL HES PERSONEL
Rig-Up Equipment	03/14/2013 18:10							1-ELITE, 1-660 BULK TRUCK, 2" PUMPING IRON, PLUG CONTAINER AND QUICK CONNECT
Rig-Up Completed	03/14/2013 19:00							WAITING ON RIG WHILE THE CIRCULATE
Pre-Job Safety Meeting	03/14/2013 19:35							ALL HES PERSONEL AND RIG CREW
Start Job	03/14/2013 19:54							TD- 1235', TP-1210.53', SJ-46.60', FC AT 1163.93', CSG-9.625", 32.3#, H-40, MUD- 10 PPG, VISC- 56
Other	03/14/2013 19:54		2	2			45.0	FILL LINES
Other	03/14/2013 19:57		0.2	0.2				STALL OUT/PRESSURE HELD AT 1420 PSI
Pressure Test	03/14/2013 19:58		0.2	0.2				ALL LINES HELD PRESSURE AT 3470 PSI

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 1	03/14/2013 20:02		4	20			94.0	FRESH WATER/ FIRST 5 BBLS WERE PUMPED AT 2 BPM WITH 45 PSI
Pump Lead Cement	03/14/2013 20:08		7	67.8			243.0	160 SKS, 12.3 PPG, 2.38 FT3/SK, 13.75 GAL/SK, SETUP TIME 2:38 AT 70 BC
Pump Tail Cement	03/14/2013 20:18		7	60			263.0	160 SKS, 12.8 PPG, 2.11 FT3/ SK, 11.75 GAL/SK, SETUP TIME 2:38 AT 70 BC
Shutdown	03/14/2013 20:27							
Drop Top Plug	03/14/2013 20:30							PLUG DROP VERIFIED BY DRILLER
Pump Displacement	03/14/2013 20:30		10	81			545.0	FRESH WATER/ PUMPED THE FIRST 10 BBLS AT 4 BPM WITH 64 PSI/ GOT RETURNS 71 BBLS INTO DISPLACEMENT, GOT 20 BBLS OF CEMENT TO SURFACE, 47 SKS
Slow Rate	03/14/2013 20:41		2	10.6			267.0	
Bump Plug	03/14/2013 20:45			91.6				USED 40LBS OF SUGAR
Check Floats	03/14/2013 20:48							FLOATS HELD/1 BBLS FLOW BACK
End Job	03/14/2013 20:49							
Post-Job Safety Meeting (Pre Rig-Down)	03/14/2013 20:55							ALL HES PERSONEL
Depart Location for Service Center or Other Site	03/14/2013 22:00							
Other	03/14/2013 22:01							THANK YOU FOR CHOOSING HALLIBURTON, JAVIER CASTILLO AND CREW

# WPX PA 443-2

9 5/8 SURFACE



Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS  
 Well Description: PA 443-2  
 Company Rep: MATT HUDSON

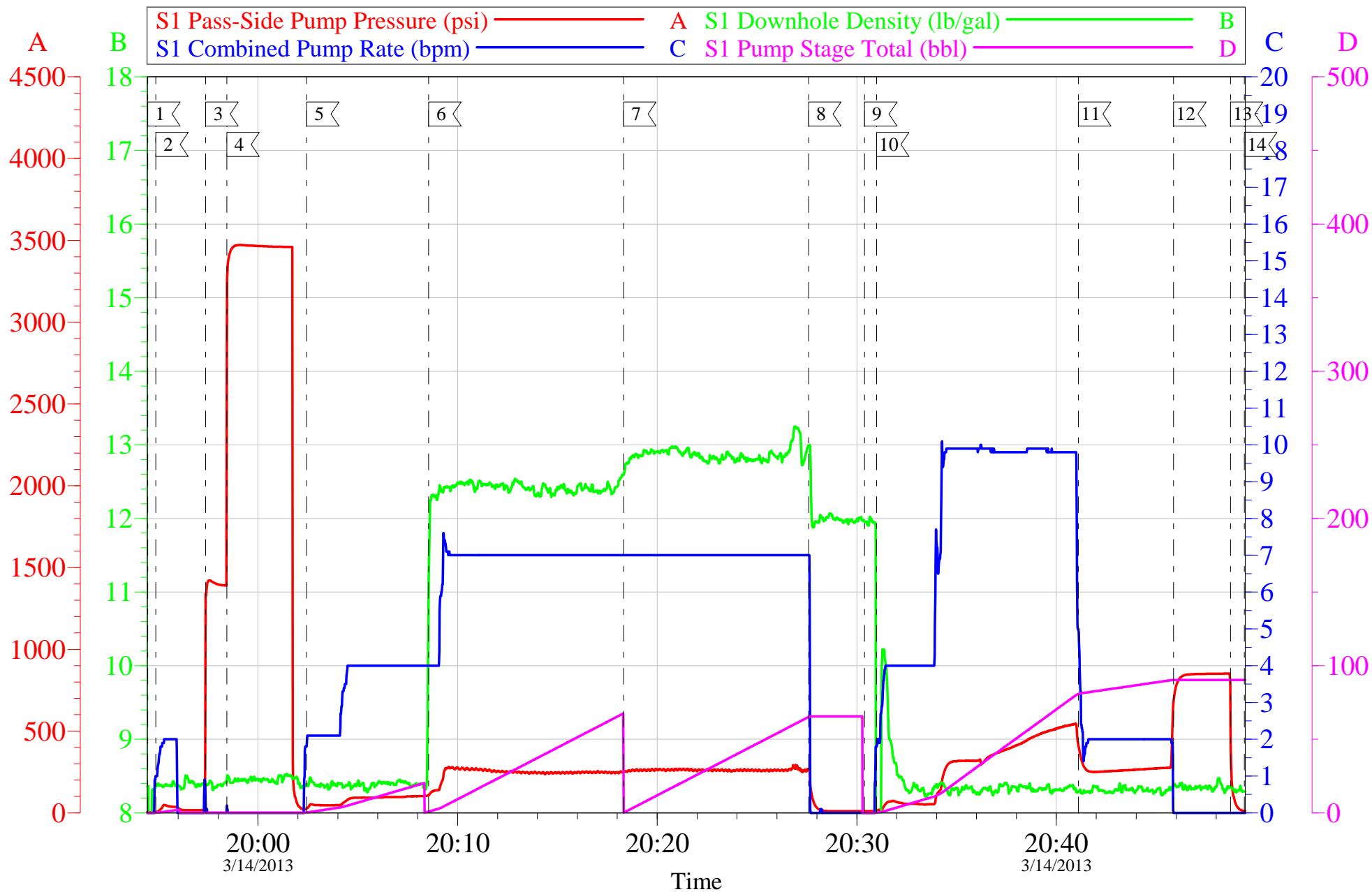
Job Date: 14-Mar-2013  
 Job Type: SURFACE  
 Cement Supervisor: JAVIER CASTILLO

Sales Order #: 900215851  
 ADC Used: YES  
 Elite #3: TRAVIS BROWN

OptiCem v6.4.10  
 14-Mar-13 21:25

# WPX PA 443-2

9 5/8 SURFACE



Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS  
Well Description: PA 443-2  
Company Rep: MATT HUDSON

Job Date: 14-Mar-2013  
Job Type: SURFACE  
Cement Supervisor: JAVIER CASTILLO

Sales Order #: 900215851  
ADC Used: YES  
Elite #3: TRAVIS BROWN

OptiCem v6.4.10  
14-Mar-13 21:26

# HALLIBURTON

## Water Analysis Report

Company: WPX

Submitted by: JAVIER CASTILLO

Attention: J.Trout

Lease PA

Well # 433-2

Date: 3/14/2013

Date Rec.: 3/14/2013

S.O.# 900215851

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>50</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 if



<b>Sales Order #:</b> 900215851	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 3/14/2013
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> MATT HUDSON		<b>API / UWI: (leave blank if unknown)</b> 05-045-20889
<b>Well Name:</b> PA		<b>Well Number:</b> 443-2
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b> No	<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	3/14/2013
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	MATT HUDSON
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>Sales Order #:</b> 900215851	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 3/14/2013
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> MATT HUDSON		<b>API / UWI: (leave blank if unknown)</b> 05-045-20889
<b>Well Name:</b> PA		<b>Well Number:</b> 443-2
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b> No	<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	3/14/2013

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.	7
<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	5
<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

<b>Sales Order #:</b> 900215851	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 3/14/2013
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<b>Customer Representative:</b> MATT HUDSON		<b>API / UWI: (leave blank if unknown)</b> 05-045-20889
<b>Well Name:</b> PA		<b>Well Number:</b> 443-2
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b> No	<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	95
<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