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**WPX ENERGY ROCKY MOUNTAIN LLC-EBUS**

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**PA 434-2  
PARACHUTE  
Garfield County , Colorado**

**Cement Surface Casing  
15-Jan-2013**

**Post Job Report**

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 300721	<b>Ship To #:</b> 2967987	<b>Quote #:</b>	<b>Sales Order #:</b> 900056085
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Customer Rep:</b> Hutson, Matt	
<b>Well Name:</b> PA		<b>Well #:</b> 434-2	<b>API/UWI #:</b> 05-045-20882
<b>Field:</b> PARACHUTE	<b>City (SAP):</b> PARACHUTE	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Lat:</b> N 39.466 deg. OR N 39 deg. 27 min. 57.352 secs.		<b>Long:</b> W 107.954 deg. OR W -108 deg. 2 min. 45.236 secs.	
<b>Contractor:</b> NABORS 574		<b>Rig/Platform Name/Num:</b> NABORS 574	
<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> ARNOLD, EDWARD	<b>MBU ID Emp #:</b> 439784

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ARNOLD, EDWARD John	8	439784	LAULAINEN, ROGER Edward	8	524413	ROSE, BENJAMIN Keith	8	487022
SALAZAR, PAUL Omar	8	445614						

**Equipment**

HES Unit #	Distance-1 way						
10616651C	60 mile	10722398	60 mile	10784080	60 mile	10995025	60 mile
11139330	60 mile	11259882	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
1-15-2013	8	4						

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

**Job**

**Job Times**

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	14 - Jan - 2013	19:30	MST
Form Type	BHST		Job Started	15 - Jan - 2013	00:00	MST
Job depth MD	1435. ft	Job Depth TVD	1435. ft	Job Started	15 - Jan - 2013	05:43
Water Depth		Wk Ht Above Floor	3. ft	Job Completed	15 - Jan - 2013	06:53
Perforation Depth (MD)	From	To	Departed Loc	15 - Jan - 2013	08:00	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
OPEN HOLE				13.5				.	1435.		
SURFACE CASING	Unknown		9.625	9.001	32.3		H-40	.	1416.		

**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	9 5/8	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9 5/8	1	HES
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
1	Fresh Water Spacer		20.00	bbl	.	.0	.0	4	
2	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	195.0	sacks	12.3	2.38	13.75	7	13.75
	13.75 Gal	FRESH WATER							
3	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	7	11.75
	11.75 Gal	FRESH WATER							
4	Fresh Water Displacement		108.00	bbl	.	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	107.7	Shut In: Instant		Lost Returns		Cement Slurry	142.7	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	27	Actual Displacement	107.7	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	270.4
Rates									
Circulating	RIG	Mixing	7	Displacement	10	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*

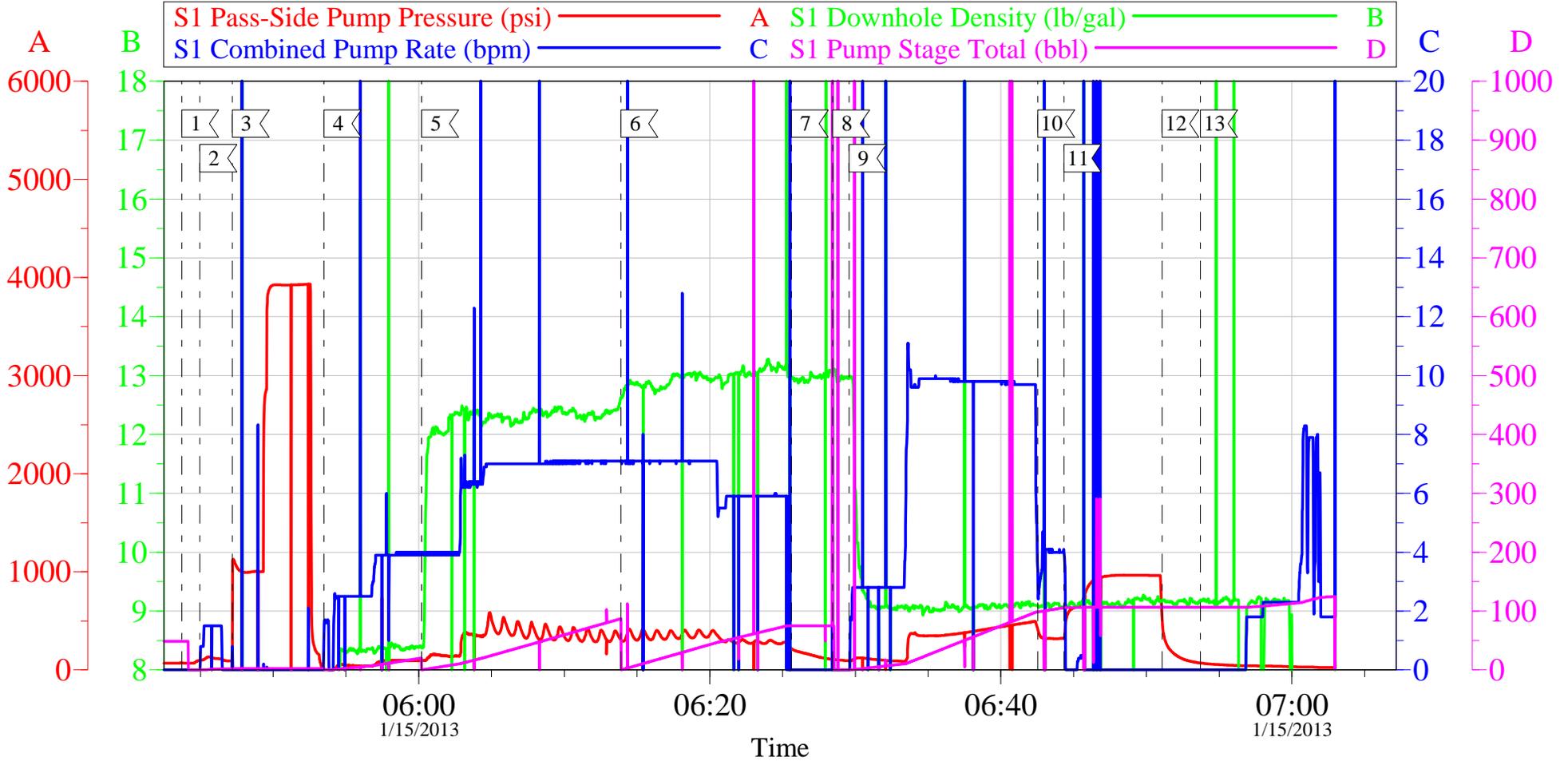
<b>Sold To #:</b> 300721	<b>Ship To #:</b> 2967987	<b>Quote #:</b>	<b>Sales Order #:</b> 900056085
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<b>Legal Description:</b>			
<b>Lat:</b> N 39.466 deg. OR N 39 deg. 27 min. 57.352 secs.		<b>Long:</b> W 107.954 deg. OR W -108 deg. 2 min. 45.236 secs.	
<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>Srvc Supervisor:</b> ARNOLD, EDWARD	<b>MBU ID Emp #:</b> 439784

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	01/14/2013 19:30							Crew called out.
Pre-Convoy Safety Meeting	01/14/2013 22:20							Including entire cement crew, discuss hazards, route, and safety.
Crew Leave Yard	01/14/2013 22:30							Leave yard for location.
Arrive At Loc	01/15/2013 00:00							
Assessment Of Location Safety Meeting	01/15/2013 00:05							Including entire cement crew, discussed hazards, and rig up. Water test: Ph. 1; KCL 250: SO4 <200: Fe 0: Chlorides 0: Calcium 120: Temp 50; TDS 310.
Pre-Rig Up Safety Meeting	01/15/2013 04:00							
Rig-Up Equipment	01/15/2013 04:05							1 Elite # 4; 2 660 Bulk Truck; 1 hard line to rig floor; 1 line to rig tank; 1 line to upright; 1 9 5/8" compact head.
Rig-Up Completed	01/15/2013 05:00							
Pre-Job Safety Meeting	01/15/2013 05:15							Including everyone on location. Discussed hazards, emergency situations, and job procedure.
Start Job	01/15/2013 05:43							TD 1435; TP 1416; SJ 47; OH 13 1/2"; CASING 9 5/8" 32.3# H-40; MUD 10.5 PPG.
Pump Water	01/15/2013 05:44		2	2			130.0	Fresh water ahead to fill lines.

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Test Lines	01/15/2013 05:47					3500.0		Test line to 3500 psi, Found no leaks, good test.
Pump Spacer 1	01/15/2013 05:53		4	20			99.0	20 BBL's fresh water.
Pump Lead Cement	01/15/2013 06:00		7	82.6			290.0	195 sks Lead cement, 12.3 ppg, 2.38 cf3, 13.75 gal/sk.
Pump Tail Cement	01/15/2013 06:13		7	60.1			180.0	160 sks Tail cement, 12.8 ppg, 2.11 cf3, 11.75 gal/sk.
Shutdown	01/15/2013 06:25							
Drop Plug	01/15/2013 06:28							Plug left Container.
Pump Displacement	01/15/2013 06:29		10	97.7			480.0	Fresh water displacement.
Slow Rate	01/15/2013 06:42		4	10			320.0	Slow rate last 10 BBL's of displacement prior to bumping the plug.
Bump Plug	01/15/2013 06:44				107.7		968.0	Plug landed. Took to psi.
Check Floats	01/15/2013 06:51							Floats Held. 3/4 BBL's back. 27 BBL's of good cement to surface.
End Job	01/15/2013 06:53							
Pre-Rig Down Safety Meeting	01/15/2013 07:00							Including entire cement crew, discussed hazards and safety.
Rig-Down Equipment	01/15/2013 07:05							
Pre-Convoy Safety Meeting	01/15/2013 07:55							Including entire cement crew, discussed hazards, route, and safety.
Crew Leave Location	01/15/2013 08:00							
Other	01/15/2013 08:01							Thank You for using Halliburton, Ed Arnold and Crew.

# WPX - PA 434-2

9 5/8" SURFACE

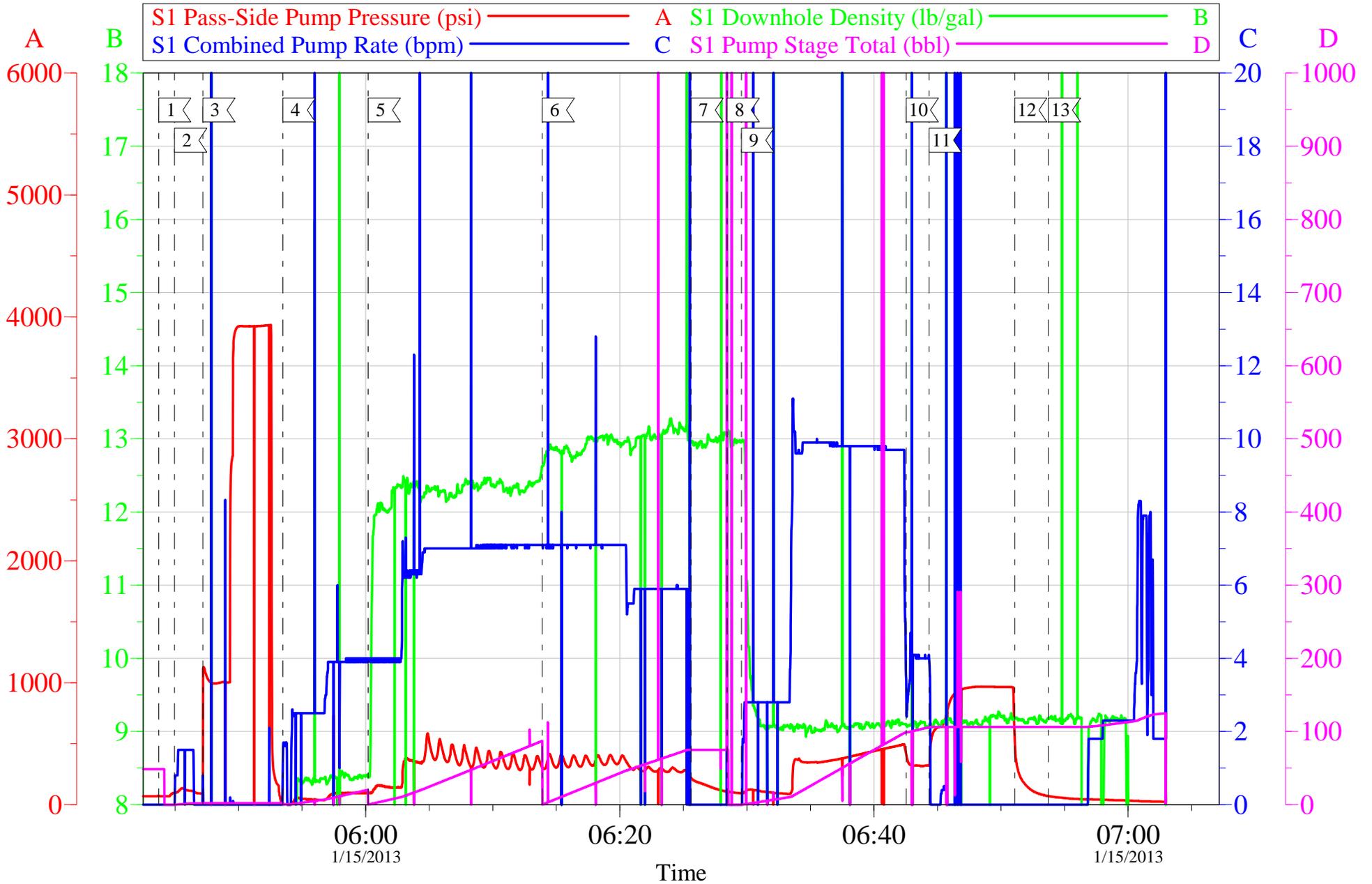


Local Event Log								
1	START JOB	05:43:43	2	FILL LINES	05:44:58	3	TEST LINES	05:47:11
4	H2O SPACER	05:53:30	5	LEAD CEMENT	06:00:12	6	TAIL CEMENT	06:13:54
7	SHUT DOWN	06:25:36	8	DROP PLUG	06:28:26	9	H2O DISPLACEMENT	06:29:35
10	SLOW RATE	06:42:32	11	BUMP PLUG	06:44:21	12	CHECK FLOATS	06:51:04
13	END JOB	06:53:43						

Customer:	WPX	Job Date:	15-Jan-2013	Sales Order #:	900056085
Well Description:	PA 434-2	Job Type:	SURFACE	ADC Used:	YES
Company Rep:	MATT HUDSON	Cement Supervisor:	ED ARNOLD	Elite #4:	PAUL SALAZAR

# WPX - PA 434-2

9 5/8" SURFACE



Customer: WPX	Job Date: 15-Jan-2013	Sales Order #: 900056085
Well Description: PA 434-2	Job Type: SURFACE	ADC Used: YES
Company Rep: MATT HUDSON	Cement Supervisor: ED ARNOLD	Elite #4: PAUL SALAZAR

# HALLIBURTON

## Water Analysis Report

Company:	<u>WPX</u>	Date:	<u>1/15/2013</u>
Submitted by:	<u>ED ARNOLD</u>	Date Rec.:	<u>1/15/2013</u>
Attention:	<u>J.TROUT</u>	S.O.#	<u>900056085</u>
Lease	<u>PA</u>	Job Type:	<u>SURFACE</u>
Well #	<u>434-2</u>		

Specific Gravity	<i>MAX</i>	<b>1</b>
pH	<i>8</i>	<b>7</b>
Potassium (K)	<i>5000</i>	<b>250 Mg / L</b>
Calcium (Ca)	<i>500</i>	<b>120 Mg / L</b>
Iron (FE2)	<i>300</i>	<b>0 Mg / L</b>
Chlorides (Cl)	<i>3000</i>	<b>0 Mg / L</b>
Sulfates (SO <sub>4</sub> )	<i>1500</i>	<b>&lt;200 Mg / L</b>
Chlorine (Cl <sub>2</sub> )		<b>0 Mg / L</b>
Temp	<i>40-80</i>	<b>50 Deg</b>
Total Dissolved Solids		<b>310 Mg / L</b>

Respectfully: ED ARNOLD

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

<b>Sales Order #:</b> 900056085	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 1/15/2013
<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> 05-045-20882
<b>Well Name:</b> PA		<b>Well Number:</b> 434-2
<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	1/15/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	EDWARD ARNOLD (HX46731)
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	

CUSTOMER SIGNATURE

<b>Sales Order #:</b> 900056085	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 1/15/2013
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<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

### KEY PERFORMANCE INDICATORS

General	
<b>Survey Conducted Date</b>	1/15/2013
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>	4
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>	1
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>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	99
<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	99
<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