
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

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

Cement Surface Casing
15-Jan-2013

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2967987	Quote #:	Sales Order #: 900056085
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: Hutson, Matt		
Well Name: PA	Well #: 434-2	API/UWI #: 05-045-20882	
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.466 deg. OR N 39 deg. 27 min. 57.352 secs.	Long: W 107.954 deg. OR W -108 deg. 2 min. 45.236 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	Srvc Supervisor: ARNOLD, EDWARD	MBU ID Emp #: 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	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	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							
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Job

Formation Name						Date	Time	Time Zone	
Formation Depth (MD)	Top			Bottom		Called Out	14 - Jan - 2013	19:30	MST
Form Type			BHST			On Location	15 - Jan - 2013	00:00	MST
Job depth MD	1435. ft		Job Depth TVD		1435. ft	Job Started	15 - Jan - 2013	05:43	MST
Water Depth			Wk Ht Above Floor		3. ft	Job Completed	15 - Jan - 2013	06:53	MST
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/3rd 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 ft ³ /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

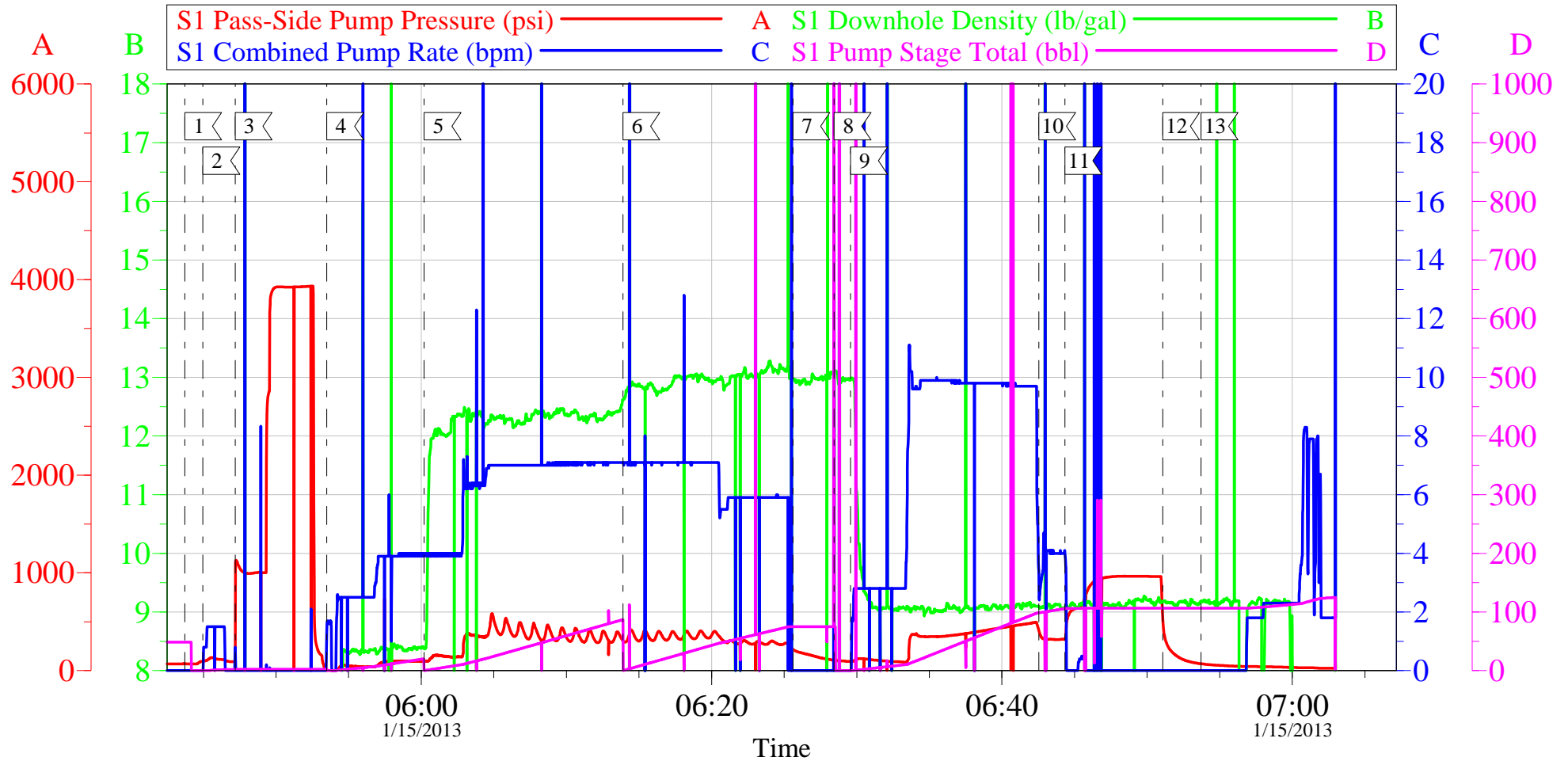
Sold To #: 300721		Ship To #: 2967987		Quote #:		Sales Order #: 900056085	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Hutson, Matt			
Well Name: PA			Well #: 434-2			API/UWI #: 05-045-20882	
Field: PARACHUTE		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39.466 deg. OR N 39 deg. 27 min. 57.352 secs.				Long: W 107.954 deg. OR W -108 deg. 2 min. 45.236 secs.			
Contractor: NABORS 574			Rig/Platform Name/Num: NABORS 574				
Job Purpose: Cement Surface Casing						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: MAYO, MARK			Srv Supervisor: ARNOLD, EDWARD			MBU ID Emp #: 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
Well Description: PA 434-2
Company Rep: MATT HUDSON

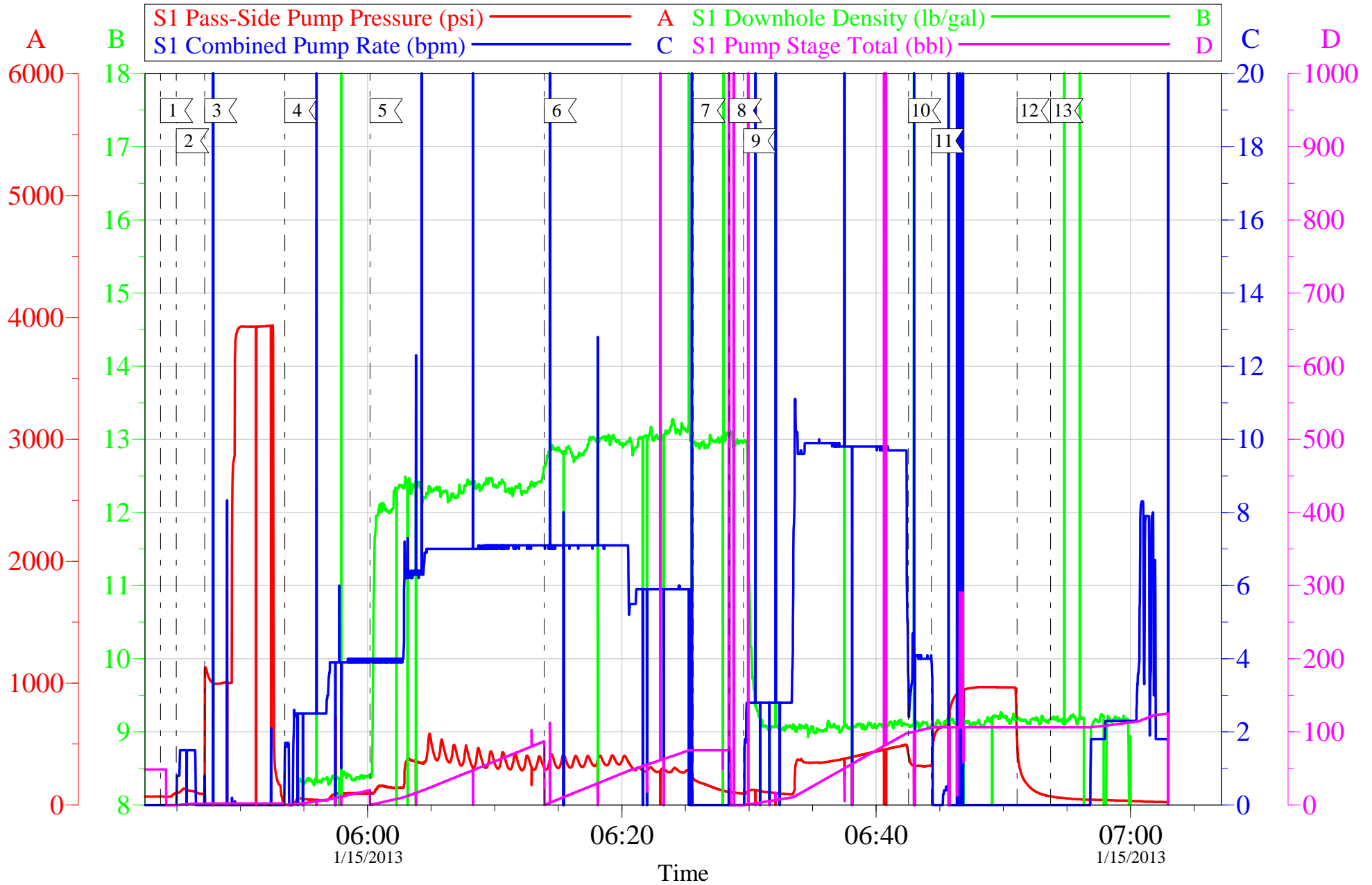
Job Date: 15-Jan-2013
Job Type: SURFACE
Cement Supervisor: ED ARNOLD

Sales Order #: 900056085
ADC Used: YES
Elite #4: PAUL SALAZAR

OptiCem v6.4.10
15-Jan-13 07:04

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

OptiCem v6.4.10
15-Jan-13 07:04



Water Analysis Report

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

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

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

Sales Order #: 900056085	Line Item: 10	Survey Conducted Date: 1/15/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: MATT HUDSON		API / UWI: (leave blank if unknown) 05-045-20882
Well Name: PA		Well Number: 434-2
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	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	1/15/2013
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

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Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: MATT HUDSON		API / UWI: (leave blank if unknown) 05-045-20882
Well Name: PA		Well Number: 434-2
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	1/15/2013

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.	4
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
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

Sales Order #: 900056085	Line Item: 10	Survey Conducted Date: 1/15/2013
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Customer Representative: MATT HUDSON		API / UWI: (leave blank if unknown) 05-045-20882
Well Name: PA		Well Number: 434-2
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	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	99
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	99
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