
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**SG 433-23
GRAND VALLEY
Garfield County , Colorado**

Cement Surface Casing
03-Mar-2013

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2982658	Quote #:	Sales Order #: 900239832
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Moore, Frank	
Well Name: SG	Well #: 433-23	API/UWI #: 05-045-21689	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.419 deg. OR N 39 deg. 25 min. 8.839 secs.		Long: W 108.07 deg. OR W -109 deg. 55 min. 46.312 secs.	
Contractor: CYCLONE 17		Rig/Platform Name/Num: CYCLONE 17	
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	5	439784	SALAZAR, PAUL Omar	5	445614	SINCLAIR, DAN J	5	338784

Equipment

HES Unit #	Distance-1 way						
	60 mile	10784064	60 mile	11006314	60 mile	11259882	60 mile
11808849	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
3-3-2013	5	3						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type		BHST	On Location	03 - Mar - 2013	18:30	MST
Job depth MD	1045. ft	Job Depth TVD	Job Started	03 - Mar - 2013	21:29	MST
Water Depth		Wk Ht Above Floor	Job Completed	03 - Mar - 2013	22:24	MST
Perforation Depth (MD)	From	To	Departed Loc	03 - Mar - 2013	23:30	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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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		

Stage/Plug #: 1

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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	Tail Cement	VERSACEM (TM) SYSTEM (452010)	280.0	sacks	12.8	2.11	11.75	7	11.75
3	Fresh Water Displacement		78.00	bbl	8.33	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	78.2	Shut In: Instant		Lost Returns		Cement Slurry	105.2	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	25	Actual Displacement	78.2	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	203.4
Rates									
Circulating	RIG	Mixing	7	Displacement	10	Avg. Job	8		
Cement Left In Pipe	Amount	43.91FT	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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Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.419 deg. OR N 39 deg. 25 min. 8.839 secs.		Long: W 108.07 deg. OR W -109 deg. 55 min. 46.312 secs.	
Contractor: CYCLONE 17		Rig/Platform Name/Num: CYCLONE 17	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc 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	03/03/2013 15:30							Crew called out.
Pre-Convoy Safety Meeting	03/03/2013 17:15							Including entire cement crew, discuss hazards, route, and safety.
Crew Leave Yard	03/03/2013 17:30							Leave yard for location.
Arrive At Loc	03/03/2013 18:30							
Assessment Of Location Safety Meeting	03/03/2013 18:45							Including entire cement crew, discussed hazards, and rig up.
Rig-Up Equipment	03/03/2013 20:15							1 Elite #9; 1 660 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	03/03/2013 21:00							
Pre-Job Safety Meeting	03/03/2013 21:15							Including everyone on location. Discussed hazards, emergency situations, and job procedure.
Start Job	03/03/2013 21:29							TD 1045; TP 1038; SJ 43.91; OH 13 1/2"; CASING 9 5/8" 32.3# H-40; MUD 10 PPG.
Pump Water	03/03/2013 21:30		2	2			40.0	Fresh water ahead to fill lines.
Test Lines	03/03/2013 21:32					3744.0		Test line to psi, Found no leaks, good test.
Pump Spacer 1	03/03/2013 21:34		4	20			130.0	20 BBL's fresh water.
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

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Quote # :

Sales Order # : 900239832

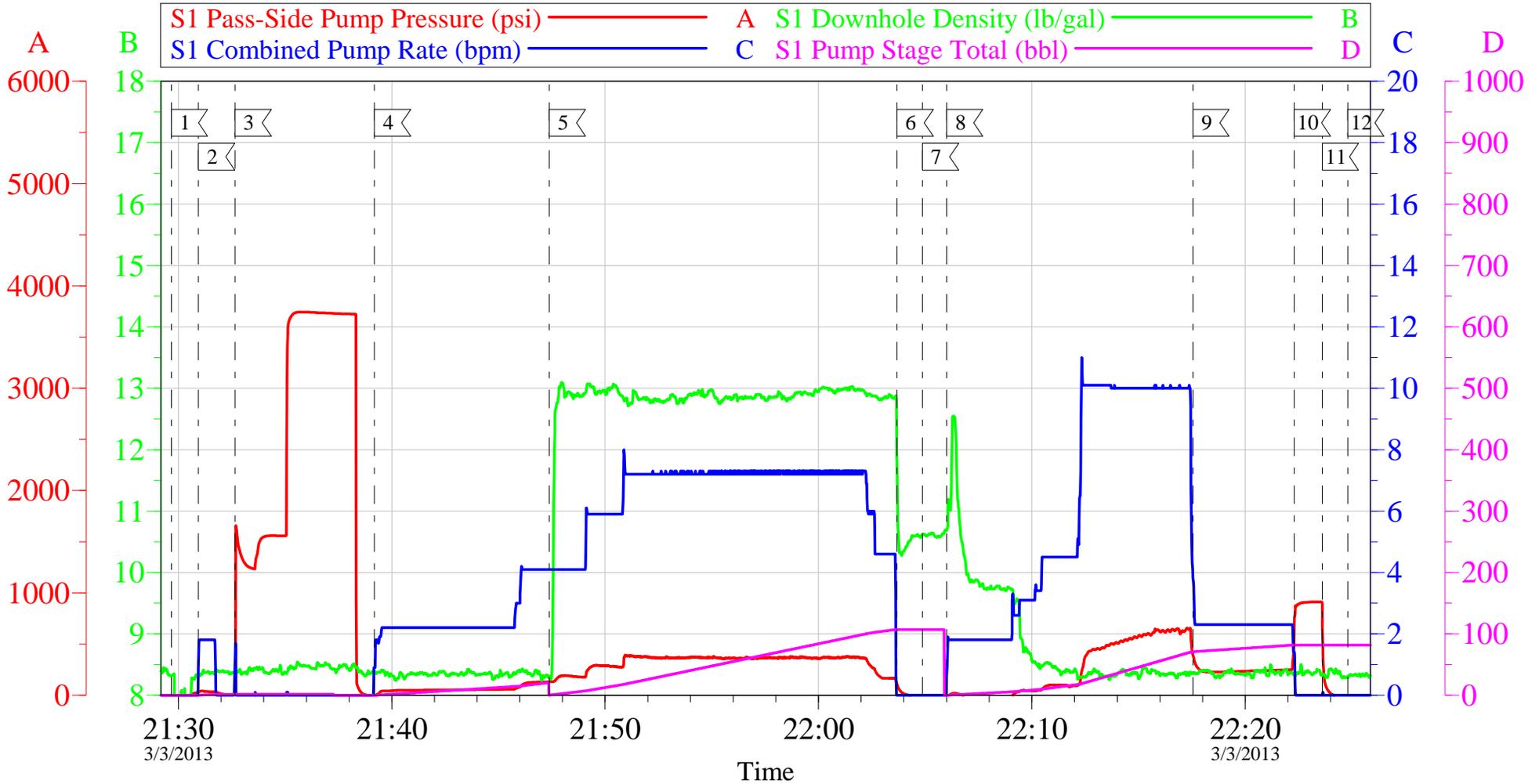
SUMMIT Version: 7.3.0078

Friday, March 15, 2013 08:57:00

		#		Stage	Total	Tubing	Casing	
Pump Tail Cement	03/03/2013 21:47		7	105.2			360.0	280 sks Tail cement, 12.8 ppg, 2.11 cf3, 11.75 gal/sk.
Pre-Rig Up Safety Meeting	03/03/2013 22:00							
Shutdown	03/03/2013 22:03							
Drop Plug	03/03/2013 22:04							Plug left Container.
Pump Displacement	03/03/2013 22:06		10	68.2			655.0	Fresh water displacement.
Slow Rate	03/03/2013 22:17		2	10			246.0	Slow rate last 10 BBL's of displacement prior to bumping the plug.
Bump Plug	03/03/2013 22:22				78.2		910.0	Plug landed. Took to psi.
Check Floats	03/03/2013 22:23							Floats Held. 1 BBL's back. 25 BBL's of good cement to surface.
End Job	03/03/2013 22:24							
Pre-Rig Down Safety Meeting	03/03/2013 22:30							Including entire cement crew, discussed hazards and safety.
Rig-Down Equipment	03/03/2013 22:35							
Pre-Convoy Safety Meeting	03/03/2013 23:20							Including entire cement crew, discussed hazards, route, and safety.
Crew Leave Location	03/03/2013 23:30							
Other	03/03/2013 23:30							Thank You for using Halliburton, Ed Arnold and Crew.

WPX - SG 433-23

9 5/8" SURFACE

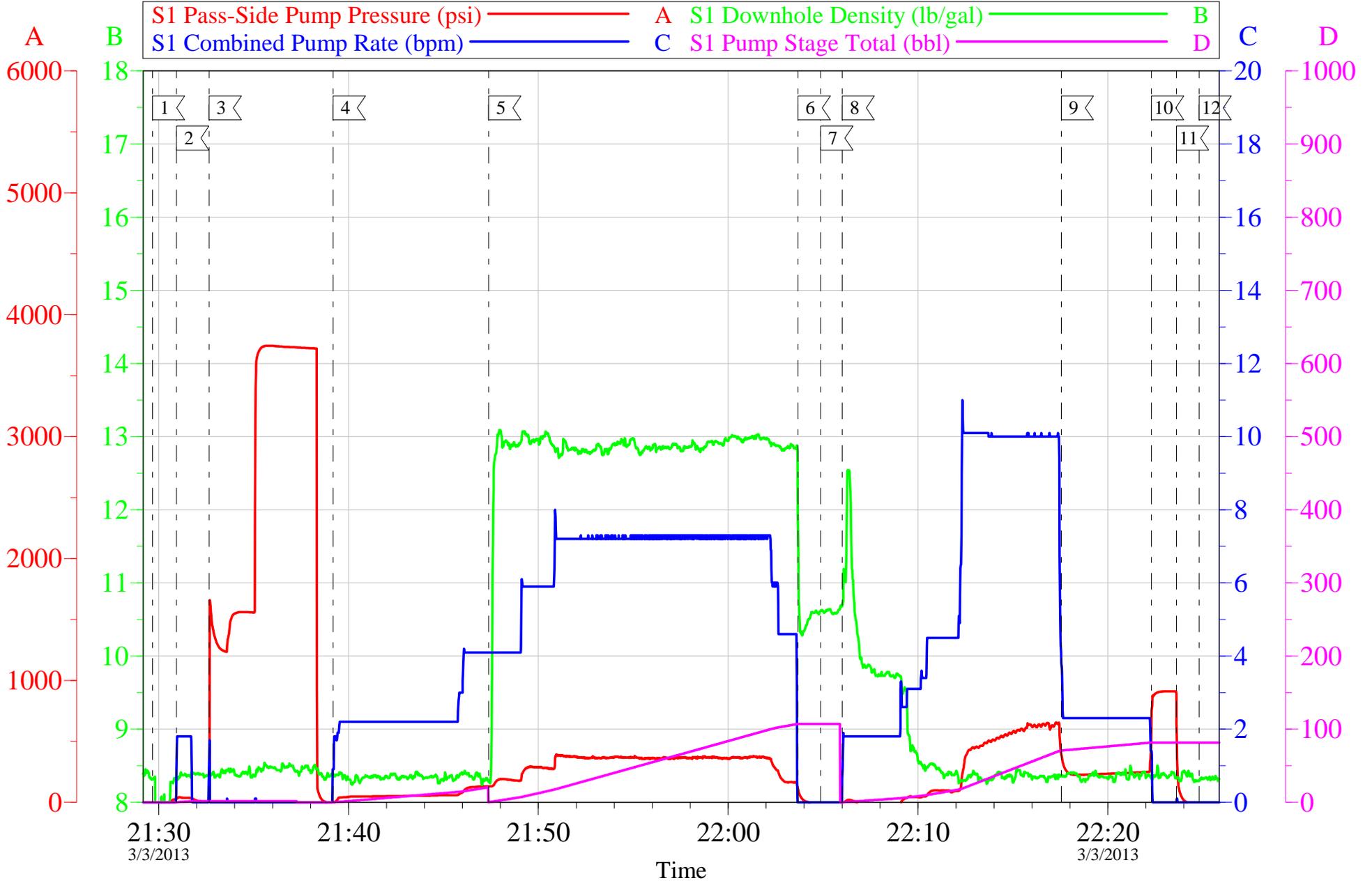


1	START JOB	21:29:40	2	FILL LINES	21:30:57	3	TEST LINES	21:32:39
4	H2O SPACER	21:39:11	5	TAIL CEMENT	21:47:23	6	SHUT DOWN	22:03:41
7	DROP PLUG	22:04:52	8	H2O DISPLACEMENT	22:06:00	9	SLOW RATE	22:17:32
10	BUMP PLUG	22:22:18	11	CHECK FLOATS	22:23:36	12	END JOB	22:24:48

Customer: WPX	Job Date: 03-Mar-2013	Sales Order #: 900239832
Well Description: SG 433-23	Job Type: SURFACE	ADC Used: YES
Company Rep: FRANK MORRE	Cement Supervisor: ED ARNOLD	Elite #9: DAN SINCLAIR

WPX - SG 433-23

9 5/8" SURFACE



Customer: WPX	Job Date: 03-Mar-2013	Sales Order #: 900239832
Well Description: SG 433-23	Job Type: SURFACE	ADC Used: YES
Company Rep: FRANK MORRE	Cement Supervisor: ED ARNOLD	Elite #9: DAN SINCLAIR

HALLIBURTON

Water Analysis Report

Company:	<u>WPX</u>	Date:	<u>3/3/2013</u>
Submitted by:	<u>ED ARNOLD</u>	Date Rec.:	<u>3/3/2013</u>
Attention:	<u>J.TROUT</u>	S.O.#	<u>90239832</u>
Lease	<u>SG</u>	Job Type:	<u>SURFACE</u>
Well #	<u>433-23</u>		

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7.5
Potassium (K)	<i>5000</i>	250 Mg / L
Calcium (Ca)	<i>500</i>	120 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	0 Mg / L
Sulfates (SO ₄)	<i>1500</i>	<200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	55 Deg
Total Dissolved Solids		240 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 #: 900239832	Line Item: 10	Survey Conducted Date: 3/3/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: FRANK MORRE		API / UWI: (leave blank if unknown) 05-045-21689
Well Name: SG		Well Number: 433-23
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	3/3/2013
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	FRANK MORRE
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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Well Name: SG		Well Number: 433-23
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	3/3/2013
The date the survey was conducted	

Cementing KPI Survey	
Type of Job	0
Select the type of job. (Cementing or Non-Cementing)	
Select the Maximum Deviation range for this Job	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	3
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
HSE Incident, Accident, Injury	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
Was the job purpose achieved?	Yes
Was the job delivered correctly as per customer agreed design?	
Operating Hours (Pumping Hours)	1
Total number of hours pumping fluid on this job. Enter in decimal format.	
Customer Non-Productive Rig Time (hrs)	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.	
Type of Rig Classification Job Was Performed	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
Number Of JSAs Performed	5
Number Of Jsas Performed	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Was this a Primary Cement Job (Yes / No)	Yes

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Well Name: SG		Well Number: 433-23
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