
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**SG 333-23
GRAND VALLEY
Garfield County , Colorado**

**Cement Surface Casing
09-Mar-2013**

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2982689	Quote #:	Sales Order #: 900239338
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Duniho, Al	
Well Name: SG		Well #: 333-23	API/UWI #: 05-045-21691
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.419 deg. OR N 39 deg. 25 min. 8.918 secs.		Long: W 108.07 deg. OR W -109 deg. 55 min. 46.33 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	10	439784	BLUST, CHARLES Thomas	10	386662	SINCLAIR, DAN J	10	338784

Equipment

HES Unit #	Distance-1 way						
10001431	60 mile	10616651C	60 mile	10969711	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
3-8-2013	2.5	0	3-9-2013	7.5	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	08 - Mar - 2013	18:00	MST
Job depth MD	1060. ft	Job Depth TVD	Job Started	09 - Mar - 2013	04:44	MST
Water Depth		Wk Ht Above Floor	Job Completed	09 - Mar - 2013	05:40	MST
Perforation Depth (MD)	From	To	Departed Loc	09 - Mar - 2013	07:30	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
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		
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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	95/8"	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

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	Tail Cement	VERSACEM (TM) SYSTEM (452010)	280.0	sacks	12.8	2.11	11.75	6	11.75
3	Fresh Water Displacement		78.00	bbl	8.33	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	78.5	Shut In: Instant		Lost Returns		Cement Slurry	105.2	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	20	Actual Displacement	78.5	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	203.7
Rates									
Circulating	RIG	Mixing	6	Displacement	10		8		
Cement Left In Pipe	Amount	46.5	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

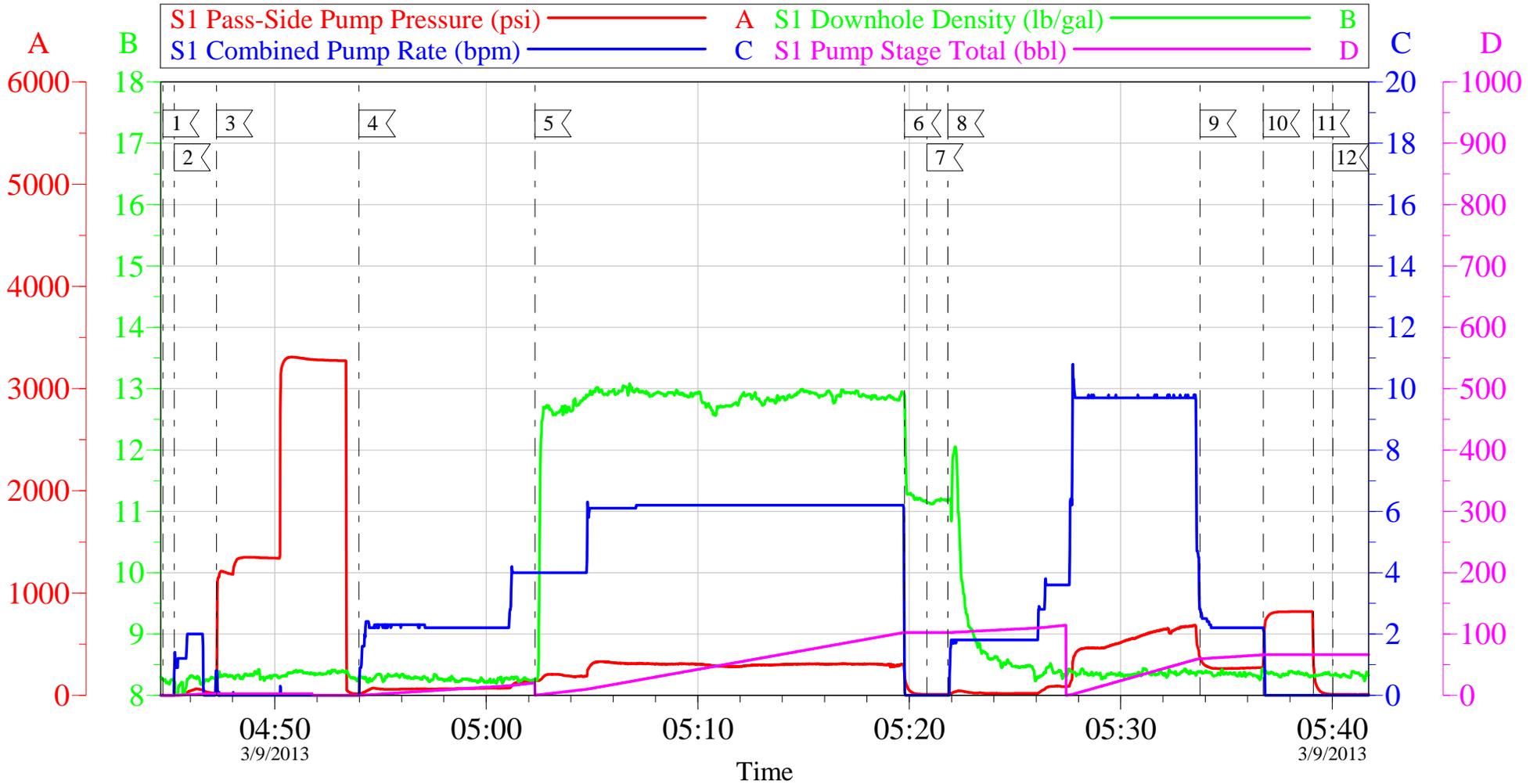
Sold To #: 300721	Ship To #: 2982689	Quote #:	Sales Order #: 900239338
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Well Name: SG	Well #: 333-23	API/UWI #: 05-045-21691	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.419 deg. OR N 39 deg. 25 min. 8.918 secs.		Long: W 108.07 deg. OR W -109 deg. 55 min. 46.33 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	03/08/2013 18:00							Crew called out.
Pre-Convoy Safety Meeting	03/08/2013 20:15							Including entire cement crew, discuss hazards, route, and safety.
Crew Leave Yard	03/08/2013 20:30							Leave yard for location.
Arrive At Loc	03/08/2013 21:30							
Assessment Of Location Safety Meeting	03/08/2013 21:45							Including entire cement crew, discussed hazards, and rig up.
Pre-Rig Up Safety Meeting	03/09/2013 03:00							
Rig-Up Equipment	03/09/2013 03:15							1 Elite # 4; 1 660 Bulk Truck; 1 hard line to rig floor; 2 lines to upright; 1 9 5/8" compact head.
Rig-Up Completed	03/09/2013 04:15							
Pre-Job Safety Meeting	03/09/2013 04:25							Including everyone on location. Discussed hazards, emergency situations, and job procedure.
Start Job	03/09/2013 04:44							TD 1060; TP 1045.1; SJ 46.55; OH 13 1/2"; CASING 9 5/8" 32.3# H-40; MUD 9.8PPG.
Pump Water	03/09/2013 04:45		2	2			61.0	Fresh water ahead to fill lines.
Test Lines	03/09/2013 04:47						3304.0	Test line to psi, Found no leaks, good test.
Pump Spacer 1	03/09/2013 04:53		4	20			143.0	20 BBL's fresh water.

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	03/09/2013 05:02		7	105.2			299.0	280 sks Tail cement, 12.8 ppg, 2.11 cf3, 11.75 gal/sk.
Shutdown	03/09/2013 05:19							
Drop Plug	03/09/2013 05:20							Plug left Container.
Pump Displacement	03/09/2013 05:21		10	68.5			660.0	Fresh water displacement.
Slow Rate	03/09/2013 05:33		2	10			230.0	Slow rate last 10 BBL's of displacement prior to bumping the plug.
Bump Plug	03/09/2013 05:36				78.5		830.0	Plug landed. Took to psi.
Check Floats	03/09/2013 05:39							Floats Held. .5 BBL's back. 20 BBL's of good cement to surface.
End Job	03/09/2013 05:40							
Pre-Rig Down Safety Meeting	03/09/2013 05:45							Including entire cement crew, discussed hazards and safety.
Rig-Down Equipment	03/09/2013 05:50							
Pre-Convoy Safety Meeting	03/09/2013 07:15							Including entire cement crew, discussed hazards, route, and safety.
Other	03/09/2013 07:30							Thank You for using Halliburton, Ed Arnold and Crew.
Crew Leave Location	03/09/2013 07:30							

WPX - SG 333-23

9 5/8" SURFACE

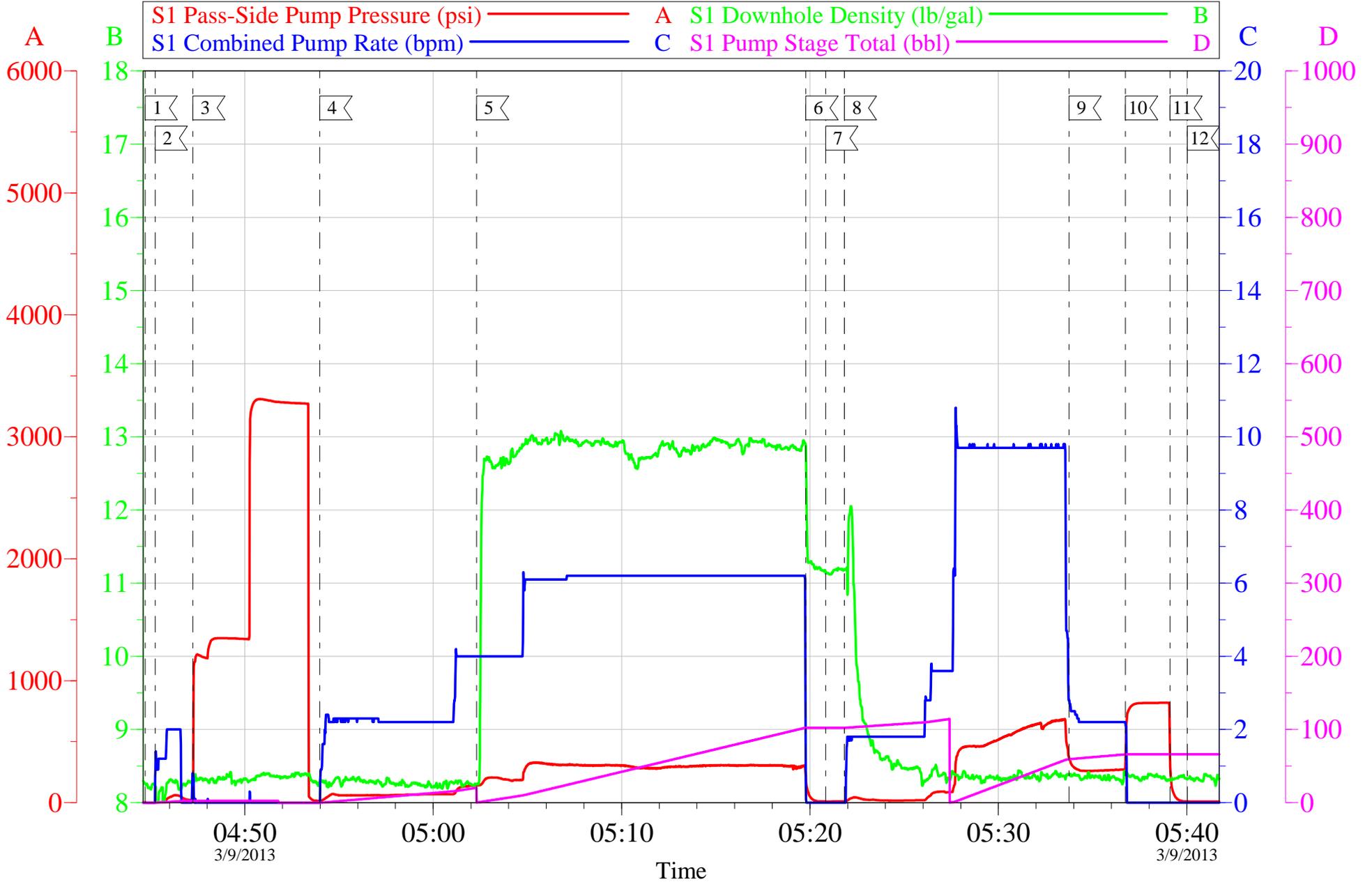


1	START JOB	04:44:43	2	FILL LINES	04:45:14	3	TEST LINES	04:47:15
4	H2O SPACER	04:53:59	5	TAIL CEMENT	05:02:18	6	SHUT DOWN	05:19:47
7	DROP PLUG	05:20:50	8	H2O DISPLACEMENT	05:21:50	9	SLOW RATE	05:33:45
10	BUMP PLUG	05:36:45	11	CHECK FLOATS	05:39:06	12	END JOB	05:40:01

Customer:	WPX	Job Date:	09-Mar-2013	Sales Order #:	900239338
Well Description:	SG 333-23	Job Type:	SURFACE	ADC Used:	YES
Company Rep:	AL DUNNIHOO	Cement Supervisor:	ED ARNOLD	Elite #4:	DAN SINCLAIR

WPX - SG 333-23

9 5/8" SURFACE



Customer: WPX	Job Date: 09-Mar-2013	Sales Order #: 900239338
Well Description: SG 333-23	Job Type: SURFACE	ADC Used: YES
Company Rep: AL DUNNIHOO	Cement Supervisor: ED ARNOLD	Elite #4: DAN SINCLAIR

HALLIBURTON

Water Analysis Report

Company:	<u>WPX</u>	Date:	<u>3/9/2013</u>
Submitted by:	<u>ED ARNOLD</u>	Date Rec.:	<u>3/9/2013</u>
Attention:	<u>J.TROUT</u>	S.O.#	<u>900239338</u>
Lease	<u>SG</u>	Job Type:	<u>SURFACE</u>
Well #	<u>333-23</u>		

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
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>	45 Deg
Total Dissolved Solids		290 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 #: 900239338	Line Item: 10	Survey Conducted Date: 3/9/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNNIHOO		API / UWI: (leave blank if unknown) 05-045-21691
Well Name: SG		Well Number: 333-23
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	3/9/2013
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	AL DUNNIHOO
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	OOD JOB MEN

CUSTOMER SIGNATURE

Sales Order #: 900239338	Line Item: 10	Survey Conducted Date: 3/9/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNNIHOOD		API / UWI: (leave blank if unknown) 05-045-21691
Well Name: SG		Well Number: 333-23
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	3/9/2013
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: 333-23
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	95
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