
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**RG 434-14-298
SULFUR CREEK
Rio Blanco County , Colorado**

**Cement Multiple Stages
09-Oct-2013**

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 3110533		Quote #:		Sales Order #: 900805024	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Ragsdale, Ted			
Well Name: RG			Well #: 434-14-298			API/UWI #:	
Field: SULFUR CREEK		City (SAP): MEEKER		County/Parish: Rio Blanco		State: Colorado	
Contractor: Cyclone			Rig/Platform Name/Num: Cyclone 29				
Job Purpose: Cement Multiple Stages							
Well Type: Development Well			Job Type: Cement Multiple Stages				
Sales Person: MAYO, MARK			Srvc 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 #
CASTILLO, FRANCISCO P	13	513620	SINCLAIR, DAN J	13	338784	SOMOZA, RAMON Manuel	13	554555
WARDELL, STEVEN John	13	549567						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10616651C	60 mile	10744549	60 mile	10995027	60 mile	11259884	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
10/8/13	2	0	10/9/13	11	4			

TOTAL	Total is the sum of each column separately							
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Job

Formation Name	Top	SURFACE	Bottom	3450	Called Out	08 - Oct - 2013	17:30	MST
Formation Depth (MD)	Top		Bottom	3450	On Location	08 - Oct - 2013	22:00	MST
Form Type		BHST			Job Started	09 - Oct - 2013	06:05	MST
Job depth MD	3450. ft	Job Depth TVD	3450. ft		Job Completed	09 - Oct - 2013	09:49	MST
Water Depth		Wk Ht Above Floor	3. ft		Departed Loc	09 - Oct - 2013	11:00	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
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Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe	9.625	1	WTF	3442.84	Packer					Flex Plug	9.625	1	WTF
Float Shoe					Bridge Plug					DV Openin Dev	9.625	1	WTF
Float Collar	9.625	1	WTF	3417.47	Retainer					Closing Plug	9.625	1	WTF
Insert Float										Plug Container	9.625	1	HES
Stage Tool	9.625	1	WTF	1305.49						Centralizers	9.625		WTF

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

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

Stage/Plug #: 1									
1	Fresh Water Spacer		40.00	bbl	8.33	.0	.0	2	
2	1st Stage HLC Lead Cement	ECONOCEM (TM) SYSTEM (452992)	730.0	sacks	12.8	1.77	9.34	6	9.34
	0.25 lbm	POLY-E-FLAKE (101216940)							
	9.34 Gal	FRESH WATER							
3	1st Stage Varicem Tail Cement	VARICEM (TM) CEMENT (452009)	200.0	sacks	12.8	1.96	10.95	6	10.95
	0.3 lbm	POLY-E-FLAKE (101216940)							
	10.95 Gal	FRESH WATER							
4	Displacement		264.00	bbl	8.33	.0	.0	10	
5	Fresh Water Spacer		20.00	bbl	8.33	.0	.0	4	
6	2nd Stage VariCem Cement	VARICEM (TM) CEMENT (452009)	805.0	sacks	12.8	1.96	10.95	6	10.95
	0.3 lbm	POLY-E-FLAKE (101216940)							
	10.95 Gal	FRESH WATER							
7	Displacement		101.00	bbl	8.33	.0	.0	6	
Calculated Values		Pressures		Volumes					
Displacement	264	Shut In: Instant		Lost Returns	60	Cement Slurry	581	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	85	Actual Displacement	264	Treatment	
Frac Gradient		15 Min		Spacers	60	Load and Breakdown		Total Job	1006
Rates									
Circulating	RIG	Mixing	6	Displacement	10	Avg. Job	8		
Cement Left In Pipe	Amount	25.37 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

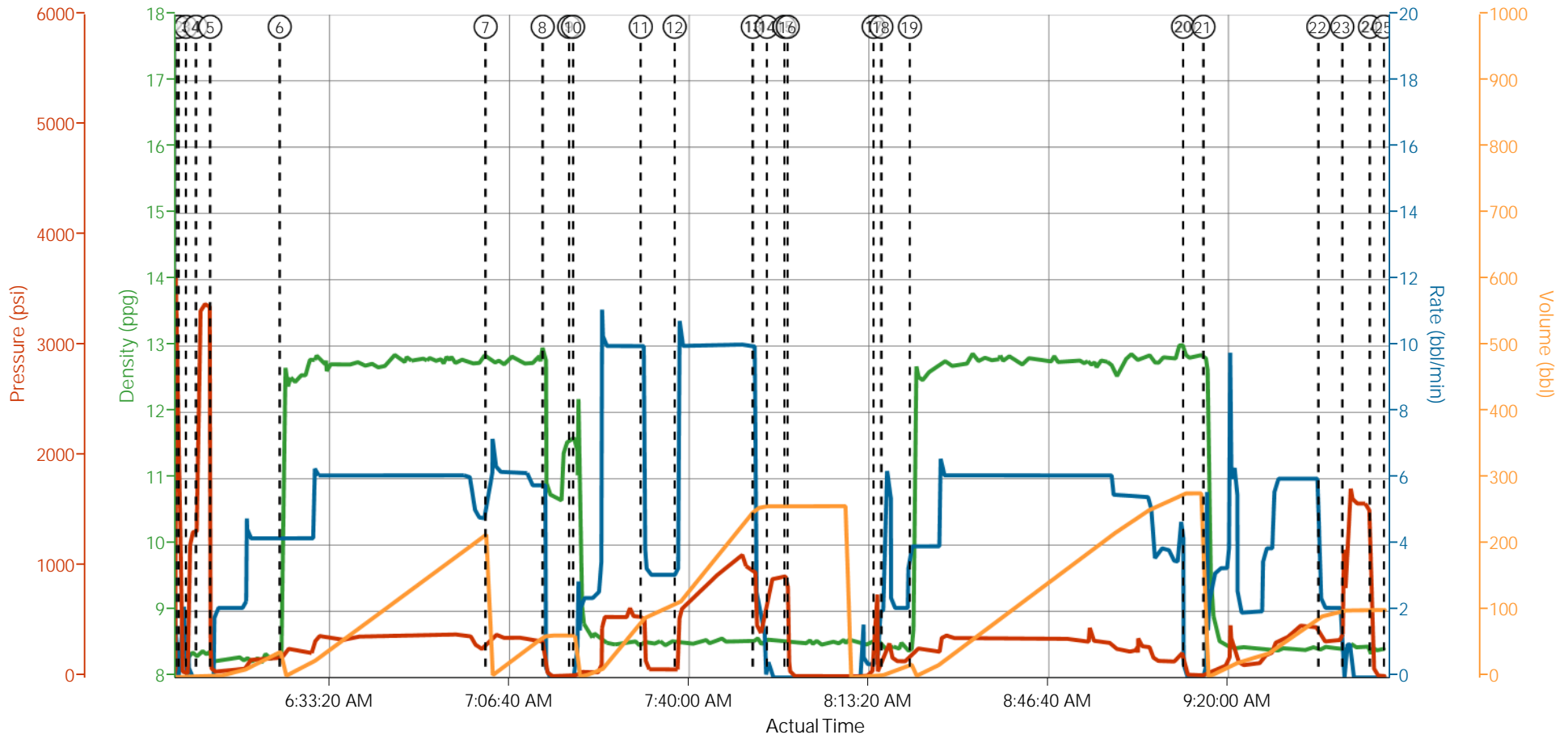
Sold To #: 300721		Ship To #: 3110533		Quote #:		Sales Order #: 900805024	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Ragsdale, Ted			
Well Name: RG			Well #: 434-14-298			API/UWI #:	
Field: SULFUR CREEK		City (SAP): MEEKER		County/Parish: Rio Blanco			State: Colorado
Legal Description:							
Lat:				Long:			
Contractor: Cyclone			Rig/Platform Name/Num: Cyclone 29				
Job Purpose: Cement Multiple Stages						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Multiple Stages				
Sales Person: MAYO, MARK			Srv Supervisor: CASTILLO, FRANCISCO			MBU ID Emp #: 513620	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	10/08/2013 17:30							ON LOCATION TIME AT MIDNIGHT
Pre-Convoy Safety Meeting	10/08/2013 18:50							ALL HES PERSONEL
Crew Leave Yard	10/08/2013 19:00							
Arrive At Loc	10/08/2013 22:00							RIG WAS COMING OUT OF THE HOLE WITH DRILL PIPE. STARTED RUNNING CASING AT 23:40 HRS. LANDED CASING AT 04:00 HRS AND BEGAN TO CIRCULATE WELL FOR TWO HRS.
Assessment Of Location Safety Meeting	10/08/2013 22:15							ALL HES PERSONEL
Rig-Up Equipment	10/08/2013 22:30							1-ELITE, 1-660 BULK TRUCKS, 2-1700FT3/SILOS, 2" PUMPING IRON, 9.625" PLUG CONTAINER AND QUICKLATCH
Rig-Up Completed	10/08/2013 23:00							
Pre-Job Safety Meeting	10/09/2013 05:45							ALL HES PERSONEL AND RIG CREW
Start Job	10/09/2013 06:05							TD-3450', OH-14.75" TO 1250', 13.5" TO 3450', TP-3442.84', SJ-25.37', FC-3417.47', CASING-9.625", 36#, J-55, MUD-8.8 PPG, VISC-40
Pump Water	10/09/2013 06:06		2	2			90.0	FILL LINES

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pressure Test	10/09/2013 06:07		0.2	0.2				STALL OUT TEST WITH 1329 PSI
Pressure Test	10/09/2013 06:09		0.2	0.2				PRESSURE TEST LINES WITH 3394 PSI
Pump Spacer	10/09/2013 06:11		4	40			176.0	FRESH WATER
Pump Lead Cement	10/09/2013 06:24		6	230			333.0	730 SKS, 12.8 PPG, 1.77 FT3/SK, 9.34 GAL/SK, SETUP TIME 6:20 HRS AT 70 BC. FIRST 100 BBLS OF CEMENT MIXED WITH TUFF FIBER.
Pump Tail Cement	10/09/2013 07:02		6	70			335.0	200 SKS, 12.8 PPG, 1.96 FT3/SK, 10.95 GAL/SK, SETUP TIME 3:43 HRS AT 70 BC
Shutdown	10/09/2013 07:13							
Drop Plug	10/09/2013 07:18							VERYFIED BY DRILLER
Pump Displacement	10/09/2013 07:19		10	254			550.0	FRESH WATER. 1ST 10 BBLS PUMPED AT 2 BPM WITH 50 SPI. SLOWED RATE AT 90 BBLS TO GONE TO 2 BPM TO GO THROUGH THE TOOL WITH 67 PSI. PICKED UP RATE AT 110 BBLS GONE. GOT CIRC BACK 25 BBLS INTO DISPLACEMENT.
Slow Rate	10/09/2013 07:52		2	10			390.0	
Bump Plug	10/09/2013 07:55			264			917.0	
Check Floats	10/09/2013 07:58							FLOATS HELD/ 1 BBLS FLOW BACK TO DISPLACEMENT TANK
Drop Opening Device For Multiple Stage Cementer	10/09/2013 07:59							LOAD THE SECOND STAGE CLOSING PLUG
Open Multiple Stage Cementer	10/09/2013 08:14		0.5	1			757.0	
Start Job	10/09/2013 08:15							BEGIN 2ND STAGE
Pump Water	10/09/2013 08:16		2	20				FRESH WATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Cement	10/09/2013 08:21		6	281			350.0	805 SKS, 12.8 PPG, 1.96 FT3/SK, 10.95 GAL/SK, SETUP TIME 3:43 HRS AT 70 BC. MIXED TUFF FIBER ON THE LAST 100 BBLs
Shutdown	10/09/2013 09:12							
Drop Plug	10/09/2013 09:15							VERIFIED BY DRILLER
Pump Displacement	10/09/2013 09:16		6	91			294.0	FRESH WATER. SLOWED TO 2 BPM WITH 60 PSI TO TOP-OUT FED. RG 534-14-298 WITH 8 BBLs/23 SKS OF CEMENT
Slow Rate	10/09/2013 09:37		2	10			341.0	
Bump Plug	10/09/2013 09:41			101			1731.0	CIRCULATED 85 BBLs 244 SKS TO SURFACE
Close Multiple Stage Cementer	10/09/2013 09:46							CHECK IF DV TOOL CLOSED
End Job	10/09/2013 09:49							DID NOT USE ANY SUGAR AND CHARGED 2 ADDITION HRS
Safety Meeting - Pre Rig-Down	10/09/2013 09:55							
Rig-Down Completed	10/09/2013 10:50							
Depart Location Safety Meeting	10/09/2013 10:55							
Depart Location for Service Center or Other Site	10/09/2013 11:00							
Other	10/09/2013 11:01							THANK YOU FOR YOUR BUSINESS FROM JAVIER CASTILLO AND CEMENT CREW

WPX RG 434-14-298 2STG SURFACE



DH Density (ppg) Comb Pump Rate (bbl/min) PS Pump Press (psi) Pump Stg Tot (bbl)

- Start Job 8.31;0.29;0.7
- Fill Lines 8.29;2.2;49;1.1
- Stall Out 8.35;0;1138;2.2
- Test Lines 8.39;0;2761;2.2
- Pump Water Spacer 8.26;1.1;25;0
- Pump Lead Cement 10.55;4.2;182;0.8
- Pump Tail Cement 12.78;5.7;316;0.1
- Shutdown 10.76;0;85;63.4
- Drop Plug 11.65;0;15;63.4
- Pump Displacement 11.58;0.8;16;0
- Slow Rate Through DV Tool 8.53;4.1;267;90.7
- Pick Rate Up After Tool 8.54;9.6;385;110.9
- Slow Rate 8.66;2.3;486;255.2
- Bump Plug 8.59;0;885;258.5
- Check Float 8.53;0;342;258.5
- Drop DV Opening Device 8.61;0;20;258.5
- Open DV Tool 8.59;0.4;58;1.4
- Pump Water Spacer 8.47;4;206;4.8
- Pump Lead Cement 11.04;3.9;217;0.7
- 20 Shut Down 12.86;0;23;277.9
- 21 Pump Displacement
- 22 Slow Rate 8.45;2.1;
- 23 Bump Plug 8.42;1;9
- 24 Check Tool 8.37;0;8
- 25 End Job n/a;n/a;n/a;

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Created: 2013-10-09 03:59:35, Version: 2.0.606

Edit

Customer : WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date : 10/9/2013 5:34:07 AM

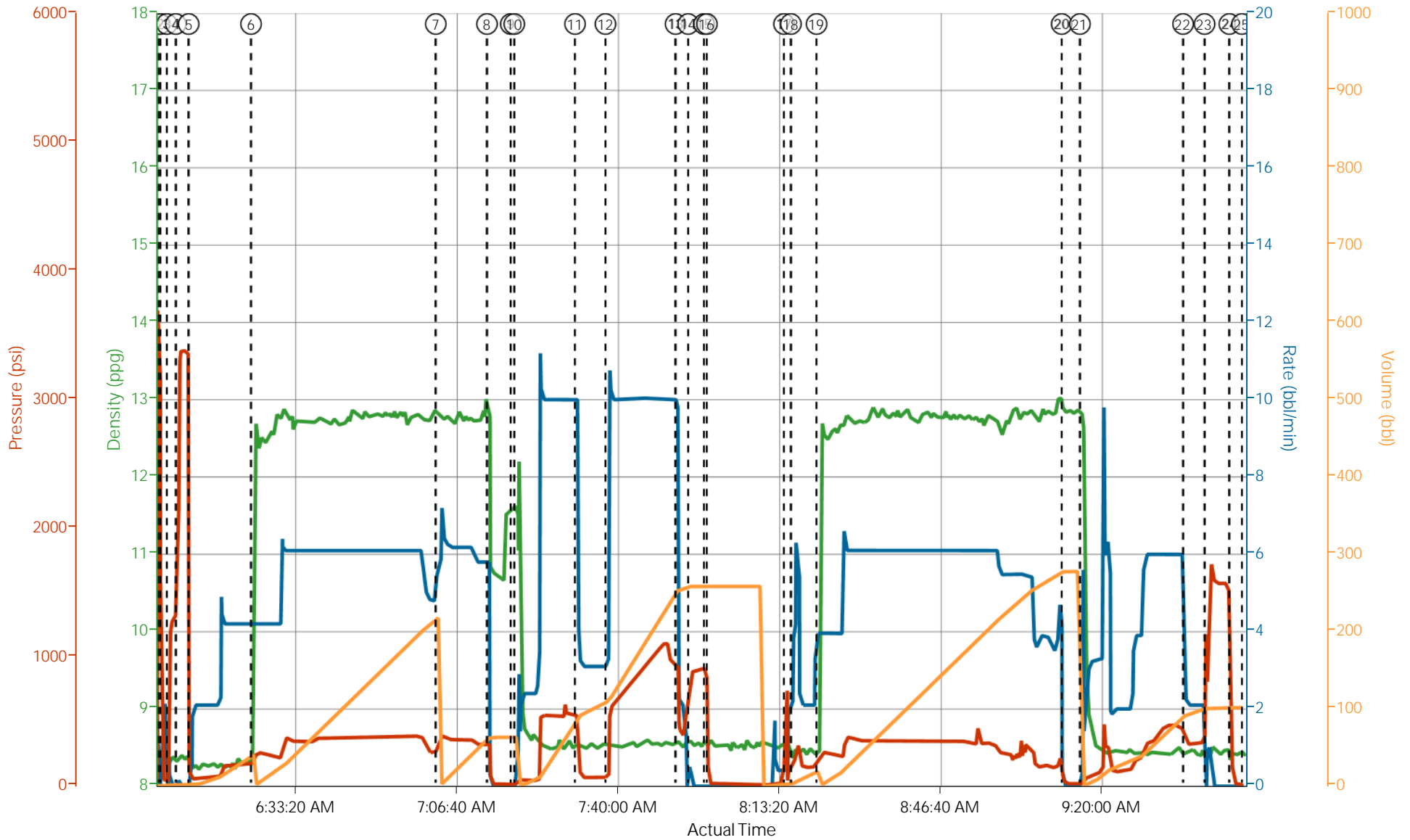
Well : RG 434-14-298

Representative: TED RAGSDALE

Sales Order #: 900805024

ELITE #4: J. CASTILLO / DAN SINCLAIR

WPX RG 434-14-298 2STG SURFACE



— DH Density (ppg)
 — Comb Pump Rate (bbl/min)
 — PS Pump Press (psi)
 — Pump Stg Tot (bbl)



Water Analysis Report

Company: WPX

Submitted by: JAVIER CASTILLO

Attention: J.Trout

Lease RG

Well # 434-14-298

Date: 10/9/2013

Date Rec.: 10/9/2013

S.O.# 900805024

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	200 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>	57 Deg
Total Dissolved Solids		410 Mg / L

Respectfully: JAVIER CASTILLO

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

Sales Order #: 900805024	Line Item: 10	Survey Conducted Date: 10/9/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT MULTIPLE STAGES BOM
Customer Representative: TED RAGSDALE		API / UWI: (leave blank if unknown) AFEYSCGWJJKSK0VBAAA
Well Name: RG		Well Number: 434-14-298
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Rio Blanco

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	10/9/2013
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	TED RAGSDALE
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	GREAT JOB GUYS THANKS

CUSTOMER SIGNATURE

Sales Order #: 900805024	Line Item: 10	Survey Conducted Date: 10/9/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT MULTIPLE STAGES BOM
Customer Representative: TED RAGSDALE		API / UWI: (leave blank if unknown) AFEYSCGWJJKSK0VBAAA
Well Name: RG		Well Number: 434-14-298
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Rio Blanco

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	10/9/2013

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.	13
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.	4
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

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Customer Representative: TED RAGSDALE		API / UWI: (leave blank if unknown) AFEYSCGWJJKSK0VBAAA
Well Name: RG		Well Number: 434-14-298
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Rio Blanco

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	90
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	95
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