
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 512-11
RULISON
Garfield County , Colorado**

Cement Surface Casing
24-Apr-2013

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2993189	Quote #:	Sales Order #: 900386371
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: Duniho, Al		
Well Name: PA	Well #: 512-11	API/UWI #:	
Field: RULISON	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Contractor: Cyclone Drilling	Rig/Platform Name/Num: Cyclone 17		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: MAYO, MARK	Srv Supervisor:	MBU ID Emp #:	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CASTILLO, FRANCISCO P	9	513620	KAMMEIER, CHRISTOPHER Michael	9	524554	SINCLAIR, DAN J	9	338784

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10567589C	60 mile	10867304	60 mile	10998054	60 mile	11259881	60 mile
11808829	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
4/24/13	9	1						

TOTAL Total is the sum of each column separately

Job

Formation Name	Top	SURFACE	Bottom	921	Called Out	24 - Apr - 2013	10:00	MST
Form Type		BHST			On Location	24 - Apr - 2013	12:00	MST
Job depth MD	921. ft	Job Depth TVD	921. ft		Job Started	24 - Apr - 2013	19:00	MST
Water Depth		Wk Ht Above Floor	3. ft		Job Completed	24 - Apr - 2013	19:45	MST
Perforation Depth (MD)	From	To			Departed Loc	24 - Apr - 2013	21:00	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				12.25				.	930.		
SURFACE CASING	New		9.625	9.001	32.3		I-80	.	930.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe	9.625	1	WTF	906	Packer					Top Plug	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar	9.625	1	WTF	859.2	Retainer					SSR plug set			
Insert Float										Plug Container	9.625	1	HES
Stage Tool										Centralizers	9.625	7	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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
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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	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	250.0	sacks	12.8	2.11	11.75	7	11.75
3	Fresh Water Displacement		68.00	bbl	.	.0	.0	9.5	
Calculated Values		Pressures		Volumes					
Displacement	68	Shut In: Instant		Lost Returns	NONE	Cement Slurry	94	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	20	Actual Displacement	68	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	182
Rates									
Circulating	RIG	Mixing	7	Displacement	9.5	Avg. Job	7		
Cement Left In Pipe	Amount	46.6 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

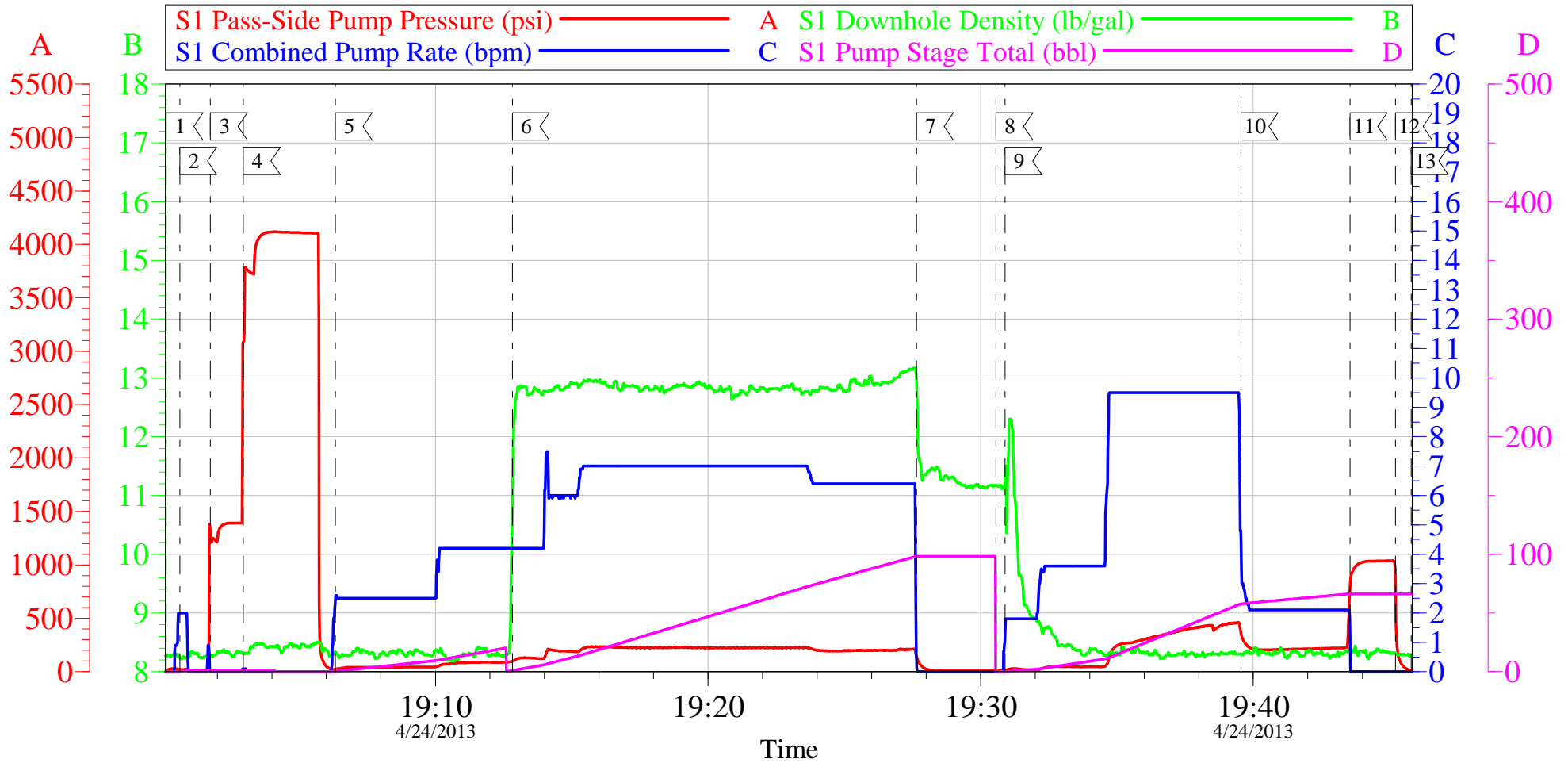
Sold To #: 300721		Ship To #: 2993189		Quote #:		Sales Order #: 900386371	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Dunihoo, Al			
Well Name: PA			Well #: 512-11			API/UWI #:	
Field: RULISON		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat:				Long:			
Contractor: Cylcone Drilling			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:			MBU ID Emp #:	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pre-Convoy Safety Meeting	04/24/2013 10:50							ALL HES PERSONEL
Crew Leave Yard	04/24/2013 11:00							LEFT NABORS 576
Arrive At Loc	04/24/2013 12:00							DRILLING RIG WAS STILL DRILLING/LEFT CEMENT TRUCKS ON A LOCATION ABOVE TO KEEP OUT OF THE WAY TILL RIG FINISHED DRILLING
Assessment Of Location Safety Meeting	04/24/2013 15:50							ALL HES PERSONEL
Rig-Up Equipment	04/24/2013 16:00							1-ELITE, 1-660 CUFT BULK TRUCK, 2" PUMPING IRON, 9.625" PLUG CONTAINER AND QUICK CONNECT
Rig-Up Completed	04/24/2013 16:30							
Pre-Job Safety Meeting	04/24/2013 18:50							ALL HES PERSONEL AND RIG CREW
Start Job	04/24/2013 19:00							TP- 906', TD- 921', SJ- 46.80', CSG- 9.625 32.3# H-40, OH- 13.5, MUD-9.1 PPG
Other	04/24/2013 19:00		2	2			22.0	FILL LINES
Other	04/24/2013 19:01		0.2	0.2				STALL OUT/PRESSURE HELD AT 1392 PSI
Pressure Test	04/24/2013 19:02		0.2	0.2				ALL LINES HELD PRESSURE AT 4116 PSI
Pump Spacer 1	04/24/2013 19:06		4	20			70.0	FRESH WATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Cement	04/24/2013 19:12		7	94			230.0	250 SKS, 12.8 PPG, 2.11 FT3/ SK, 11.75 GAL/SK, SETUP TIME 1:51 HRS AT 70 BC
Shutdown	04/24/2013 19:27							
Drop Top Plug	04/24/2013 19:30							PLUG DROP VERIFIED BY CUSTOMER AND DRILLER
Pump Displacement	04/24/2013 19:30		9.5	58			440.0	FRESH WATER, GOT RETURNS 48 BBLS INTO DISPLACEMENT, GOT 20 BBLS/53 SKS OF CEMENT TO SURFACE/FIRST 10 BBLS WERE PUMPED AT 4 BPM WITH 48 PSI
Slow Rate	04/24/2013 19:39		2	10			225.0	
Bump Plug	04/24/2013 19:43			68			1037.0	
Check Floats	04/24/2013 19:45							FLOATS HELD
End Job	04/24/2013 19:45							
Post-Job Safety Meeting (Pre Rig-Down)	04/24/2013 19:50							ALL HES PERSONEL
Depart Location for Service Center or Other Site	04/24/2013 21:00							
Other	04/24/2013 21:01							THANK YOU FOR CHOOSING HALLIBURTON, JAVIER CASTILLO AND CREW

WPX PA 512-11

9 5/8 SURFACE



Local Event Log					
1	START JOB	19:00:07	2	FILL LINES	19:00:37
3	STALL OUT	19:01:45	4	TEST LINES	19:02:57
5	WATER SPACER	19:06:20	6	CEMENT SLURRY	19:12:49
7	SHUTDOWN	19:27:39	8	DROP PLUG	19:30:34
9	DISPLACEMENT	19:30:54	10	SLOW RATE	19:39:33
11	BUMP PLUG	19:43:33	12	CHECK FLOATS	19:45:13
13	END JOB	19:45:48			

Customer: WPX
Well Description: PA 512-11
Company Rep: AL DUNIHO

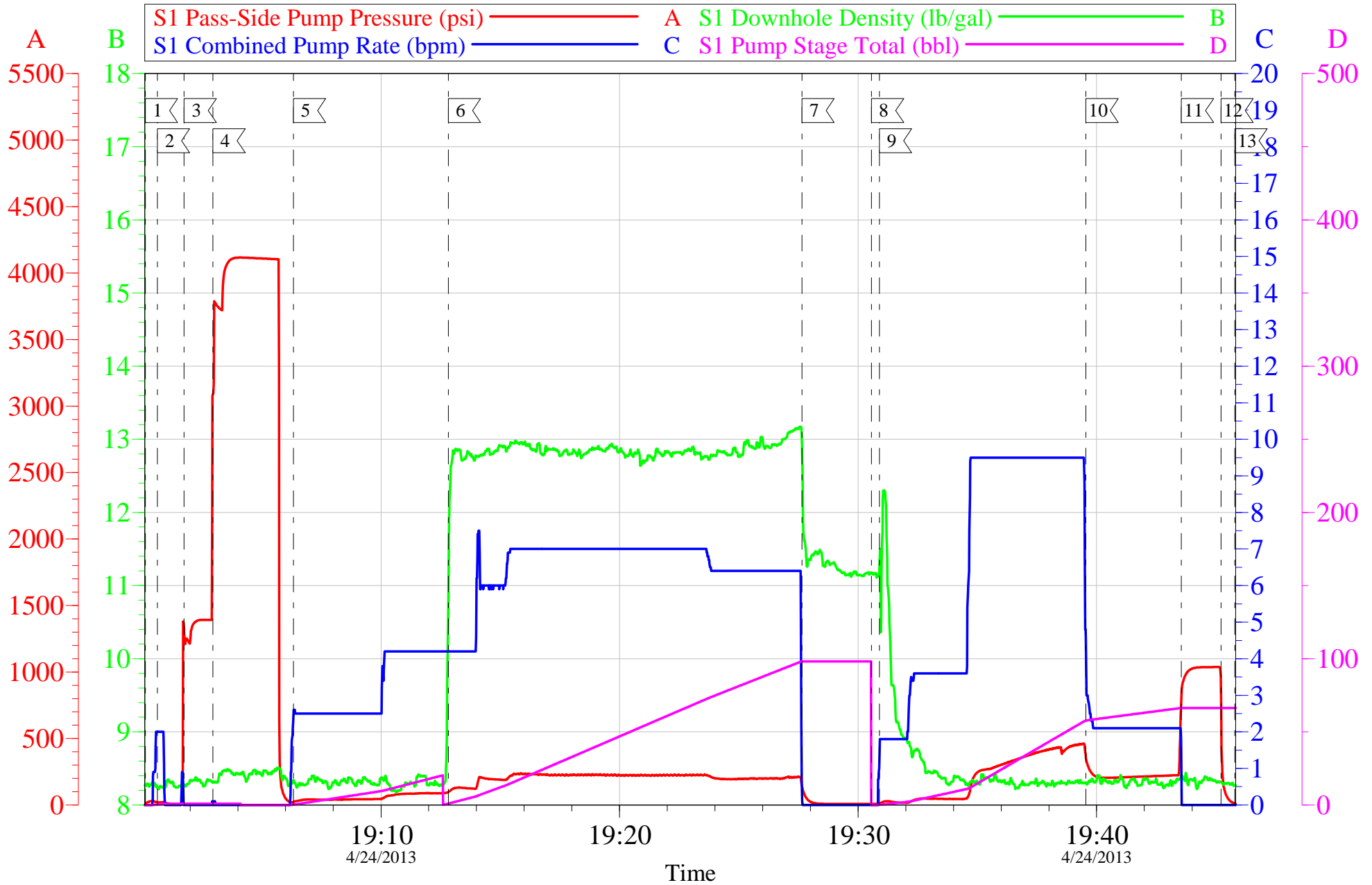
Job Date: 24-Apr-2013
Job Type: SURFACE
Cement Supervisor: JAVIER CASTILLO

Sales Order #: 900386371
ADC Used: YES
Elite #3: CHRIS K/DAN SINCLAIR

OptiCem v6.4.10
24-Apr-13 19:58

WPX PA 512-11

9 5/8 SURFACE



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Well Description: PA 512-11
Company Rep: AL DUNIHO

Job Date: 24-Apr-2013
Job Type: SURFACE
Cement Supervisor: JAVIER CASTILLO

Sales Order #: 900386371
ADC Used: YES
Elite #3: CHRIS K/DAN SINCLAIR

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24-Apr-13 19:59

HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: JAVIER CASTILLO

Attention: J.Trout

Lease: PA

Well #: 512-11

Date: 4/24/2013

Date Rec.: 4/24/2013

S.O.#: 900386371

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>	50 Deg
Total Dissolved Solids		100 Mg / L

Respectfully: JAVIER CASTILLO

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 #: 900386371	Line Item: 10	Survey Conducted Date: 4/24/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) AFEYC4LDTFKXDUQXAAA
Well Name: PA		Well Number: 512-11
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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	4/24/2013
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	AL DUNIHO
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	GOOD JOB MEN!

CUSTOMER SIGNATURE

Sales Order #: 900386371	Line Item: 10	Survey Conducted Date: 4/24/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) AFEYC4LDTFKXDUQXAAA
Well Name: PA		Well Number: 512-11
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	4/24/2013

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.	9
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

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Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) AFEYC4LDTFKXDUQXAAA
Well Name: PA		Well Number: 512-11
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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	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