
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 411-11
Parachute
Garfield County , Colorado**

Cement Surface Casing
07-May-2013

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2996941	Quote #:	Sales Order #: 900420561
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Duniho, Al	
Well Name: PA		Well #: 411-11	API/UWI #:
Field: Parachute	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Contractor: Cylcone 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		Srvc Supervisor: SLAUGHTER, JESSE	MBU ID Emp #: 454315

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
MILLER II, MATTHEW Reginald	9	425164	SINCLAIR, DAN J	9	338784	SLAUGHTER, JESSE Dean	9	454315

Equipment

HES Unit #	Distance-1 way						
10616651C	60 mile	10867531	60 mile	10989685	60 mile	11583932	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
5-7-2013	9	4						
TOTAL			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name	Job			Date	Time	Time Zone
Formation Depth (MD)	Top	Bottom	Bottom	Called Out	07 - May - 2013	10:00 MST
Form Type	BHST			On Location	07 - May - 2013	14:00 MST
Job depth MD	1172.7 ft	Job Depth TVD	1172.7 ft	Job Started	07 - May - 2013	21:09 MST
Water Depth		Wk Ht Above Floor	6. ft	Job Completed	07 - May - 2013	22:05 MST
Perforation Depth (MD)	From	To	To	Departed Loc	07 - May - 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

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625	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 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 uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom
1	Fresh Water Spacer	FRESH WATER	20.00	bbl	8.33	.0	.0	4	

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	
2	VariCem GJ1 Lead Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.3	2.38	13.77	7.5	13.77	
	13.77 Gal	FRESH WATER								
3	VersaCem GJ1Tail Cement	VERSACEM (TM) 1SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	7.5	11.75	
4	Fresh Water Displacement	FRESH WATER	88.6	bbl	8.33	.0	.0	10		
Calculated Values			Pressures			Volumes				
Displacement	88.6	Shut In: Instant		Lost Returns	NO	Cement Slurry	128	Pad		
Top Of Cement	SURFACE	5 Min		Cement Returns	25	Actual Displacement	88.6	Treatment		
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	237	
Rates										
Circulating		Mixing	7.5	Displacement	10	Avg. Job	8.5			
Cement Left In Pipe	Amount	0 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

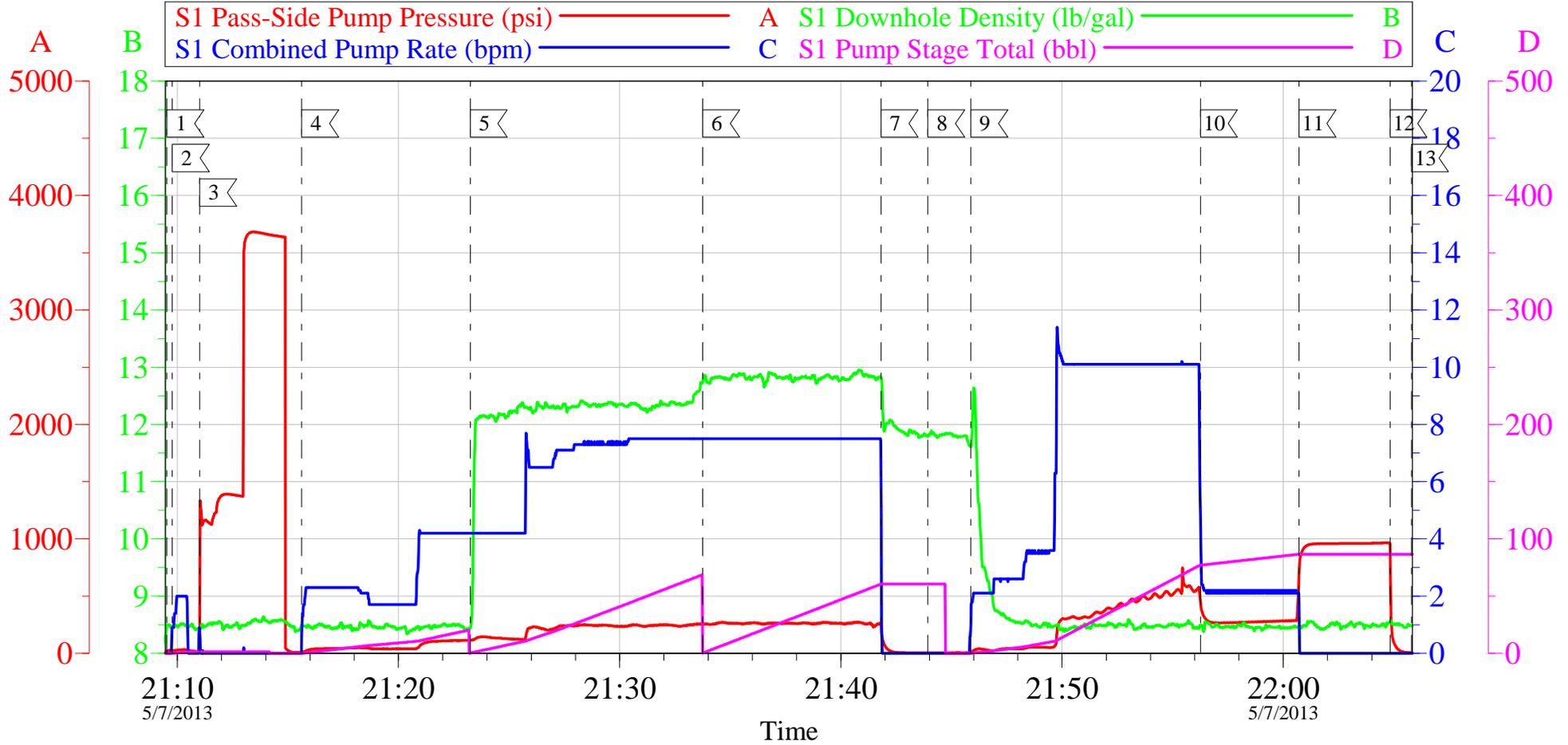
Sold To #: 300721	Ship To #: 2996941	Quote #:	Sales Order #: 900420561
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Duniho, Al	
Well Name: PA		Well #: 411-11	API/UWI #:
Field: Parachute	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat:		Long:	
Contractor: 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: SLAUGHTER, JESSE	MBU ID Emp #: 454315

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	05/07/2013 10:00							
Pre-Convoy Safety Meeting	05/07/2013 11:50							WITH ALL HES PERSONNEL
Crew Leave Yard	05/07/2013 12:00							
Arrive At Loc	05/07/2013 14:00							RIG WAS PULLING DRILL PIPE UPON HES ARRIVAL
Assessment Of Location Safety Meeting	05/07/2013 19:30							WITH ALL HES PERSONNEL
Other	05/07/2013 19:40							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	05/07/2013 19:50							WITH ALL HES PERSONNEL
Rig-Up Equipment	05/07/2013 20:00							
Pre-Job Safety Meeting	05/07/2013 21:00							WITH ALL PERSONNEL ON LOCATION
Start Job	05/07/2013 21:09							TD 1187 FT, TP 1172.75 FT, SHOE 46.48 FT, CSG 9 5/8 IN 32.3 LB/FT, HOLE 13 1/2 IN, MUD WT 10.1 PPG
Other	05/07/2013 21:09		2	2			32.0	FILL LINES WITH FRESH WATER
Test Lines	05/07/2013 21:11							TESTED LINES TO 3682 PSI PRESSURE HOLDING
Pump Spacer 1	05/07/2013 21:15		4	20			115.0	FRESH WATER
Pump Lead Cement	05/07/2013 21:23		7.5	67.8			260.0	160 SKS AT 12.3 PPG, 2.38 FT3/SK, 13.75 GAL/SK

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	05/07/2013 21:33		7.5	60.1			267.0	160 SKS AT 12.8 PPG, 2.11 FT3/SK, 11.75 GAL/SK
Shutdown	05/07/2013 21:41							
Drop Top Plug	05/07/2013 21:43							PLUG LAUNCHED
Pump Displacement	05/07/2013 21:45		10	78.6			575.0	FRESH WATER
Slow Rate	05/07/2013 21:56		2	10			285.0	SLOW RATE 10 BBLs PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	05/07/2013 22:00		2		88.6		960.0	PLUG BUMPED
Check Floats	05/07/2013 22:04							FLOATS HOLDING. HES RETURNED 1/5 BBL H2O TO PUMP
End Job	05/07/2013 22:05							GOOD CIRCULATION THROUGHOUT JOB, PIPE WAS STATIC DURING JOB. HES RETURNED 25 BBL CEMENT TO SURFACE. USED 30 LB SUGAR FOR JOB
Pre-Rig Down Safety Meeting	05/07/2013 22:10							WITH ALL HES PERSONNEL
Rig-Down Equipment	05/07/2013 22:20							
Pre-Convoy Safety Meeting	05/07/2013 23:20							WITH ALL HES PERSONNEL
Crew Leave Location	05/07/2013 23:30							
Comment	05/07/2013 23:31							THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JESSE SLAUGHTER AND CREW.

WPX PA 411-11

9 5/8 SURFACE



Local Event Log

1	START JOB	21:09:32	2	PRIME LINES	21:09:47	3	TEST LINES	21:11:00
4	PUMP H2O SPACER	21:15:37	5	PUMP LEAD CEMENT	21:23:15	6	PUMP TAIL CEMENT	21:33:45
7	SHUTDOWN	21:41:49	8	DROP TOP PLUG	21:43:56	9	PUMP DISPLACEMENT	21:45:53
10	SLOW RATE	21:56:15	11	BUMP PLUG	22:00:43	12	CHECK FLOATS	22:04:50
13	END JOB	22:05:48						

Customer: WPX
Well Description: PA 411-11
Customer Rep: AL DUNIHO

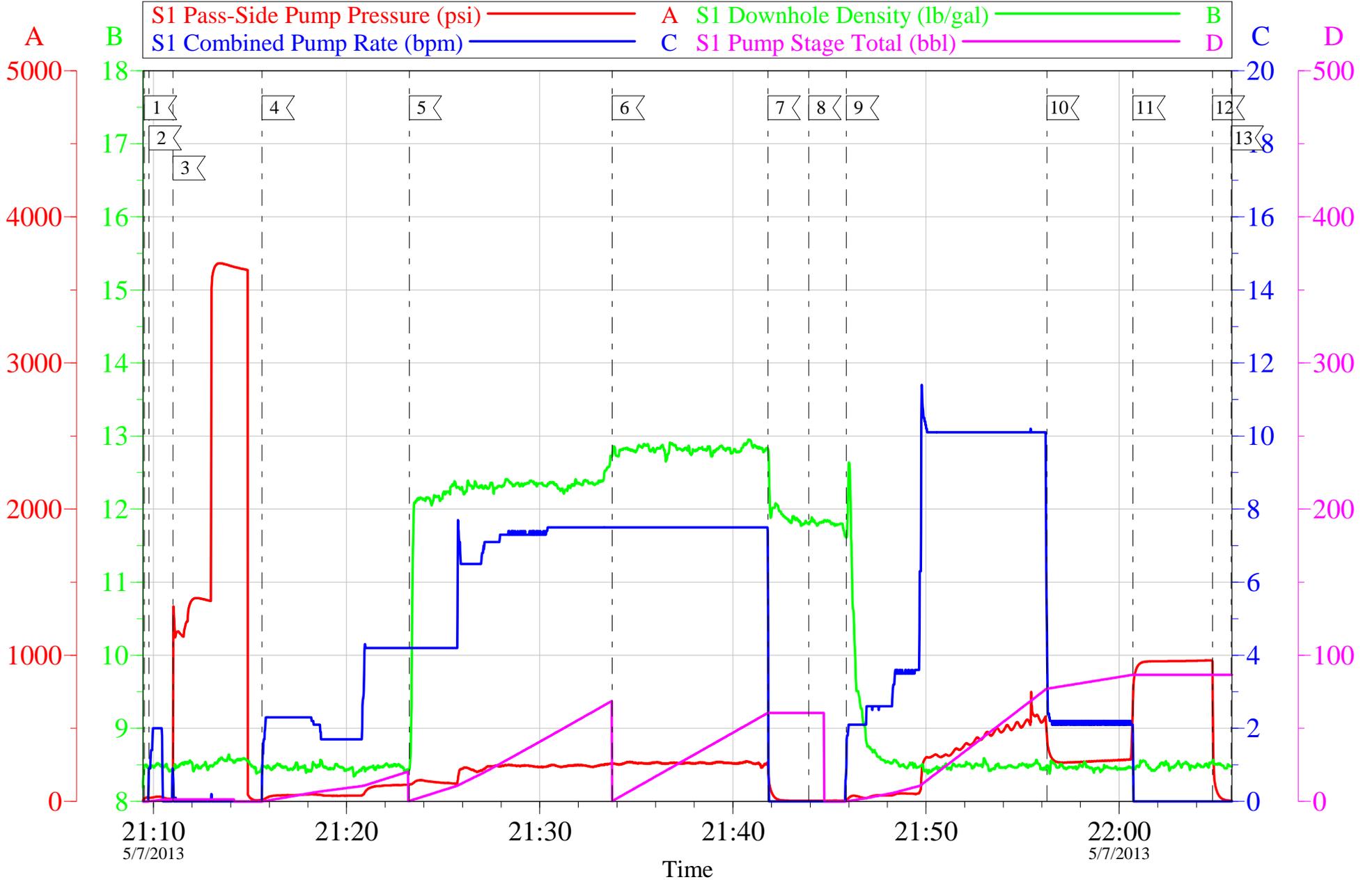
Job Date: 07-May-2013
Job Type: SURFACE
Cement Supervisor: JESSE SLAUGHTER

Sales Order #: 900420561
ADC Used: YES
Elite #4: DAN SINCLAIR

OptiCem v6.4.10
07-May-13 22:24

WPX PA 411-11

9 5/8 SURFACE



Customer: WPX	Job Date: 07-May-2013	Sales Order #: 900420561
Well Description: PA 411-11	Job Type: SURFACE	ADC Used: YES
Customer Rep: AL DUNIHO	Cement Supervisor: JESSE SLAUGHTER	Elite #4: DAN SINCLAIR

HALLIBURTON

Water Analysis Report

Company: WILLIAMS PRODUCTION

Date: 5/7/2013

Submitted by: JESSE SLAUGHTER

Date Rec.: _____

Attention: LAB

S.O.# 900420561

Lease PA

Job Type: SURFACE

Well # 411-11

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	6
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>	UNDER 200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	65 Deg
Total Dissolved Solids		200 Mg / L

Respectfully: JESSE SLAUGHTER

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

Sales Order #: 900420561	Line Item: 10	Survey Conducted Date: 5/7/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) AFEYKV1M3HKIETMVA
Well Name: PA		Well Number: 411-11
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	5/7/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	JESSE SLAUGHTER (HB21762)
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

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Well Name: PA		Well Number: 411-11
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	5/7/2013
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)	4
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)	1.5
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	6
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

Sales Order #: 900420561	Line Item: 10	Survey Conducted Date: 5/7/2013
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Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) AFEYKV1M3HKIETMVAAA
Well Name: PA		Well Number: 411-11
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