
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 44-5
PARACHUTE
Garfield County , Colorado**

Cement Surface Casing
05-Dec-2012

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2962940	Quote #:	Sales Order #: 9954190
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Towers, Ron	
Well Name: PA		Well #: 44-5	API/UWI #: 05-045-20058
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.463 deg. OR N 39 deg. 27 min. 48.337 secs.		Long: W 108.007 deg. OR W -109 deg. 59 min. 35.423 secs.	
Contractor: NABORS 577		Rig/Platform Name/Num: NABORS 577	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
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	0.0	513620	CASTILLO, FRANCISCO P	0.0	513620	ENGBERG, KEVIN W	0.0	454218
SMITH, CHRISTOPHER Scott	0.0	452619	WOLFE, JON P	0.0	485217			

Equipment

HES Unit #	Distance-1 way						
10616651C	60 mile	10867423	60 mile	10867425	60 mile	10897891	60 mile
11259884	60 mile	11562538	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

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Job			Date	Time	Time Zone
Formation Depth (MD)	Top	Bottom	Called Out			
Form Type	BHST			On Location	05 - Dec - 2012	00:30 MST
Job depth MD	19250. ft	Job Depth TVD	19250. ft	Job Started	05 - Dec - 2012	04:31 MST
Water Depth		Wk Ht Above Floor	3. ft	Job Completed	05 - Dec - 2012	05:39 MST
Perforation Depth (MD)	<i>From</i>	<i>To</i>	Departed Loc	05 - Dec - 2012	07:00	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

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			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
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	

1	Water Spacer		20.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	270.0	sacks	12.3	2.38	13.75		13.75
3	Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75		11.75
4	Displacement		147.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
<i>Displacement</i>		Shut In: Instant		Lost Returns		<i>Cement Slurry</i>		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
<i>Circulating</i>		<i>Mixing</i>		<i>Displacement</i>			Avg. Job		
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

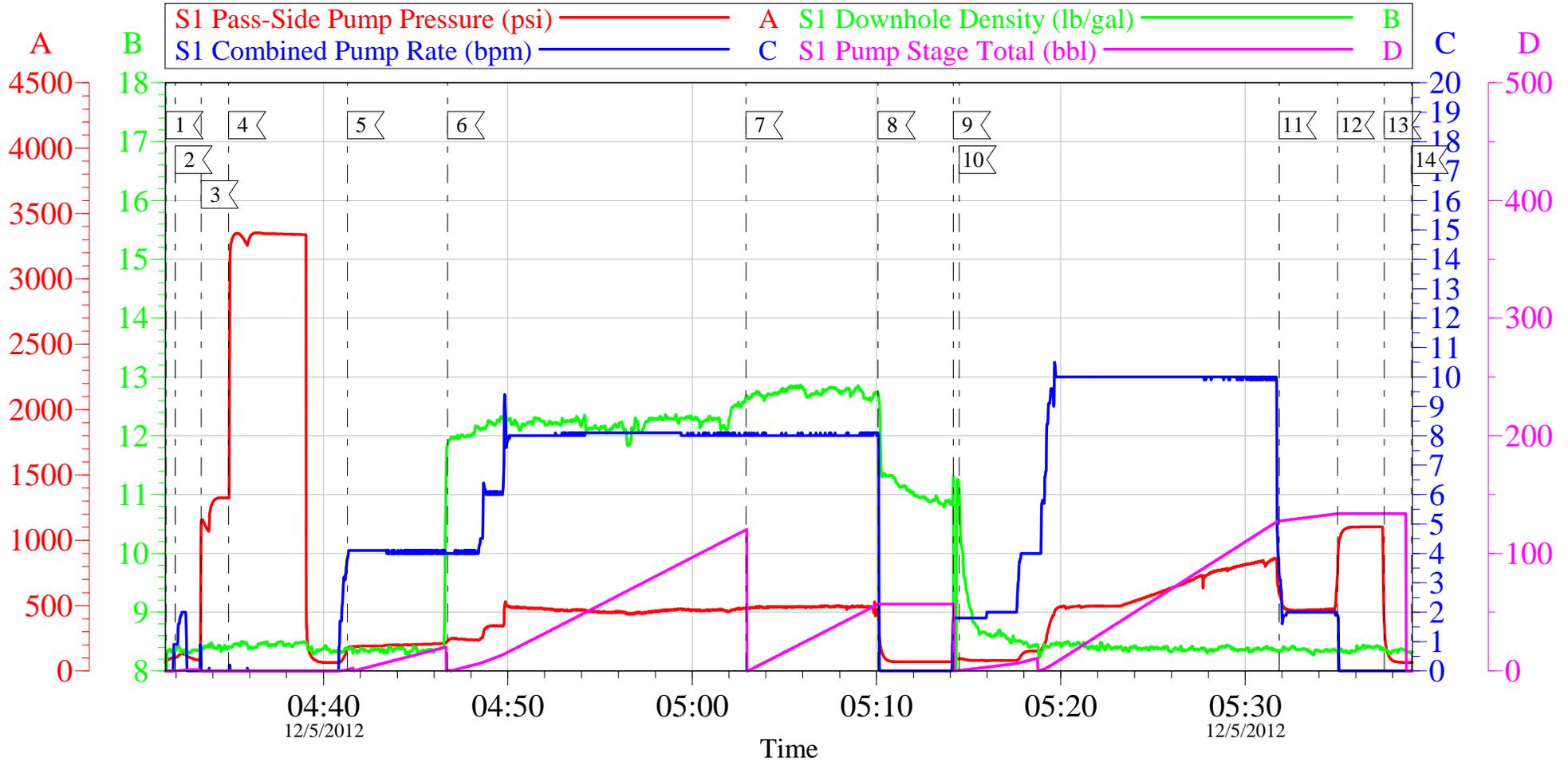
Sold To #: 300721	Ship To #: 2962940	Quote #:	Sales Order #: 9954190
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Towers, Ron	
Well Name: PA		Well #: 44-5	API/UWI #: 05-045-20058
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.463 deg. OR N 39 deg. 27 min. 48.337 secs.		Long: W 108.007 deg. OR W -109 deg. 59 min. 35.423 secs.	
Contractor: NABORS 577		Rig/Platform Name/Num: NABORS 577	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc Supervisor: CASTILLO, FRANCISCO	MBU ID Emp #: 513620

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pre-Convoy Safety Meeting	12/04/2012 23:20							ALL HES PERSONEL
Crew Leave Yard	12/04/2012 23:30							
Arrive At Loc	12/05/2012 00:30							RIG WAS RUNNING CASING/RIG LANDED CASING AT 03:00 AM AND STARTED CIRCULATING WELL AT 03:20 AM
Assessment Of Location Safety Meeting	12/05/2012 00:45							ALL HES PERSONEL
Rig-Up Equipment	12/05/2012 01:00							1-ELITE#4, 2-660 BULK TRUCKS, PUMPING IRON
Rig-Up Completed	12/05/2012 02:00							
Pre-Job Safety Meeting	12/05/2012 04:15							ALL HES PERSONEL AND RIG CREW
Start Job	12/05/2012 04:31							TD-1925', TP-1912', SJ-44', FC-1868', OH-13.5", MUD-11ppg, FV-60, PV-24, YP-32, pH-10.2, TEMP-125 deg
Other	12/05/2012 04:31		2	2			180.0	FILL LINES
Other	12/05/2012 04:33		0.2	0.2				STALL OUT/PRESSURE HELD AT 1326 PSI
Pressure Test	12/05/2012 04:34		0.2	0.2				ALL LINES HELD PRESSURE AT 3348 PSI
Pump Spacer 1	12/05/2012 04:41		4	20			210.0	FRESH WATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	12/05/2012 04:46		8	114			478.0	270 SKS, 12.3 PPG, 2.38 FT3/ SK, 13.77 GAL/SK
Pump Tail Cement	12/05/2012 05:02		8	60			490.0	160 SKS, 12.8 PPG, 2.11 FT3/SK, 11.75 GAL/SK
Shutdown	12/05/2012 05:10							
Drop Top Plug	12/05/2012 05:14							PLUG DROP VERIFIED BY CUSTOMER AND DRILLER
Pump Displacement	12/05/2012 05:14		10	137			830.0	FRESH WATER
Slow Rate	12/05/2012 05:31		2	10			480.0	USED 80LBS OF SUGAR
Bump Plug	12/05/2012 05:35			147			1100.0	CIRCULATED 27BBL/64SKS OF CEMENT TO SURFACE
Check Floats	12/05/2012 05:37							FLOATS HELD/FLOW BACK 1BBL
End Job	12/05/2012 05:39							
Post-Job Safety Meeting (Pre Rig-Down)	12/05/2012 05:45							ALL HES PERSONEL
Rig-Down Completed	12/05/2012 06:30							
Depart Location Safety Meeting	12/05/2012 06:50							ALL HES PERSONEL
Crew Leave Location	12/05/2012 07:00							
Other	12/05/2012 07:00							THANK YOU FOR CHOOSING HALLIBURTON, JAVIER CASTILLO AND CREW

WPX PA 44-5

SURFACE



Local Event Log					
1	START JOB	04:31:28	2	FILL LINES	04:31:58
3	STALL OUT	04:33:23	4	TEST LINES	04:34:52
5	SPACER	04:41:18	6	LEAD SLURRY	04:46:44
7	TAIL SLURRY	05:02:55	8	SHUTDOWN	05:10:05
9	DROP PLUG	05:14:10	10	DISPLACEMENT	05:14:29
11	SLOW RATE	05:31:51	12	BUMP PLUG	05:35:00
13	CHECK FLOATS	05:37:32	14	END JOB	05:39:01

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS
 Well Description: PA 44-5
 Company Rep: RON TOWERS

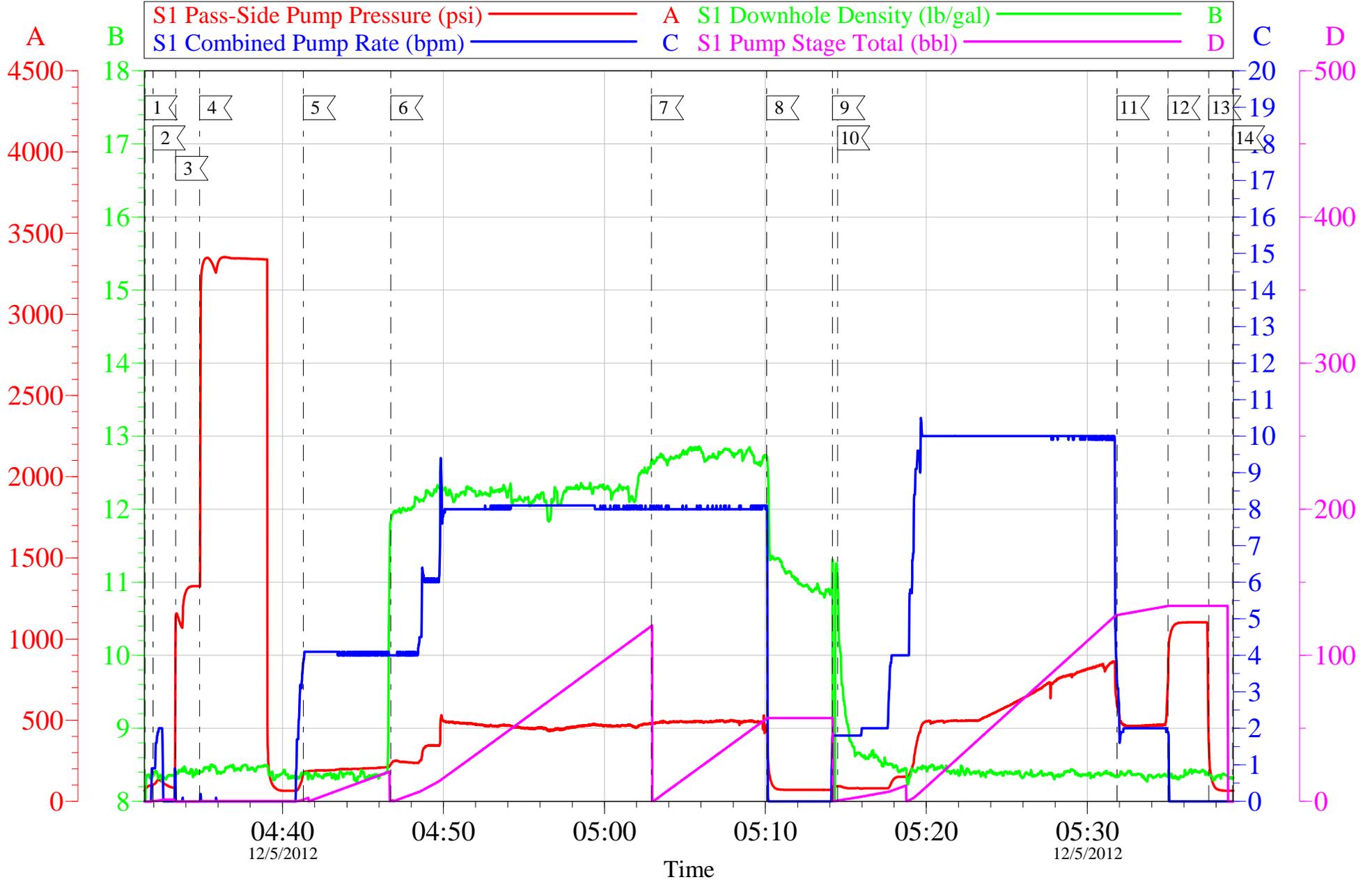
Job Date: 05-Dec-2012
 Job Type: SURFACE
 Cement Supervisor: JAVIER CASTILLO

Sales Order #: 9954190
 ADC Used: YES
 Elite #4: CHRIS SMITH

OptiCem v6.4.10
 05-Dec-12 05:52

WPX PA 44-5

SURFACE



Customer:	WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Job Date:	05-Dec-2012	Sales Order #:	9954190
Well Description:	PA 44-5	Job Type:	SURFACE	ADC Used:	YES
Company Rep:	RON TOWERS	Cement Supervisor:	JAVIER CASTILLO	Elite #4:	CHRIS SMITH

HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: JAVIER CASTILLO
Attention: J.Trout
Lease: PA
Well #: 44-5

Date: 12/5/2012
Date Rec.: 12/5/2012
S.O.#: 9954190
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>	100 Mg / L
Iron (FE2)	<i>300</i>	0 0
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>	67 Deg
Total Dissolved Solids		200 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

Sales Order #: 9954190	Line Item: 10	Survey Conducted Date: 12/5/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: WC WILSON		API / UWI: (leave blank if unknown) 05-045-20058
Well Name: PA		Well Number: 44-5
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	12/5/2012
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	WC WILSON
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 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	12/5/2012
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)	6.5
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: PA		Well Number: 44-5
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	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	90
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