
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 543-2
PARACHUTE
Garfield County , Colorado**

Cement Surface Casing
05-Mar-2013

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2979547	Quote #:	Sales Order #: 900202198
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: Valad, Gary		
Well Name: PA	Well #: 543-2	API/UWI #: 05-045-20888	
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.466 deg. OR N 39 deg. 27 min. 57.575 secs.	Long: W 107.954 deg. OR W -108 deg. 2 min. 45.524 secs.		
Contractor: NABORS 574	Rig/Platform Name/Num: NABORS 574		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: MAYO, MARK	Srvc Supervisor: SMITH, CHRISTOPHER	MBU ID Emp #: 452619	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANDERSON, ADAM S	0.0	456683	SMITH, CHRISTOPHER Scott	0.0	452619	VANALSTYNE, TROY L	0.0	420256

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10867094	60 mile	10872429	60 mile	10897925	60 mile	11259884	60 mile
11808847	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

Formation Name	Job	Date	Time	Time Zone
Formation Depth (MD)	Top Bottom	Called Out	04 - Mar - 2013	21:00 MST
Form Type	BHST	On Location	05 - Mar - 2013	00:30 MST
Job depth MD	1111. ft	Job Depth TVD	1111. ft	Job Started
Water Depth		Wk Ht Above Floor	3. ft	Job Completed
Perforation Depth (MD)	From To	Departed Loc	05 - Mar - 2013	10:30 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
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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 ft3/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	Water Spacer		20.00	bbl	8.33	.0	.0	.0			
2	VersaCem Lead	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.3	2.38	13.75		13.75		
		13.75 Gal	FRESH WATER								
3	VersaCem Tail	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75		11.75		
		11.75 Gal	FRESH WATER								
4	Fresh Water Displacement		84.00	bbl	8.33	.0	.0	.0			
Calculated Values		Pressures		Volumes							
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad			
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment			
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job			
Rates											
Circulating		Mixing		Displacement		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

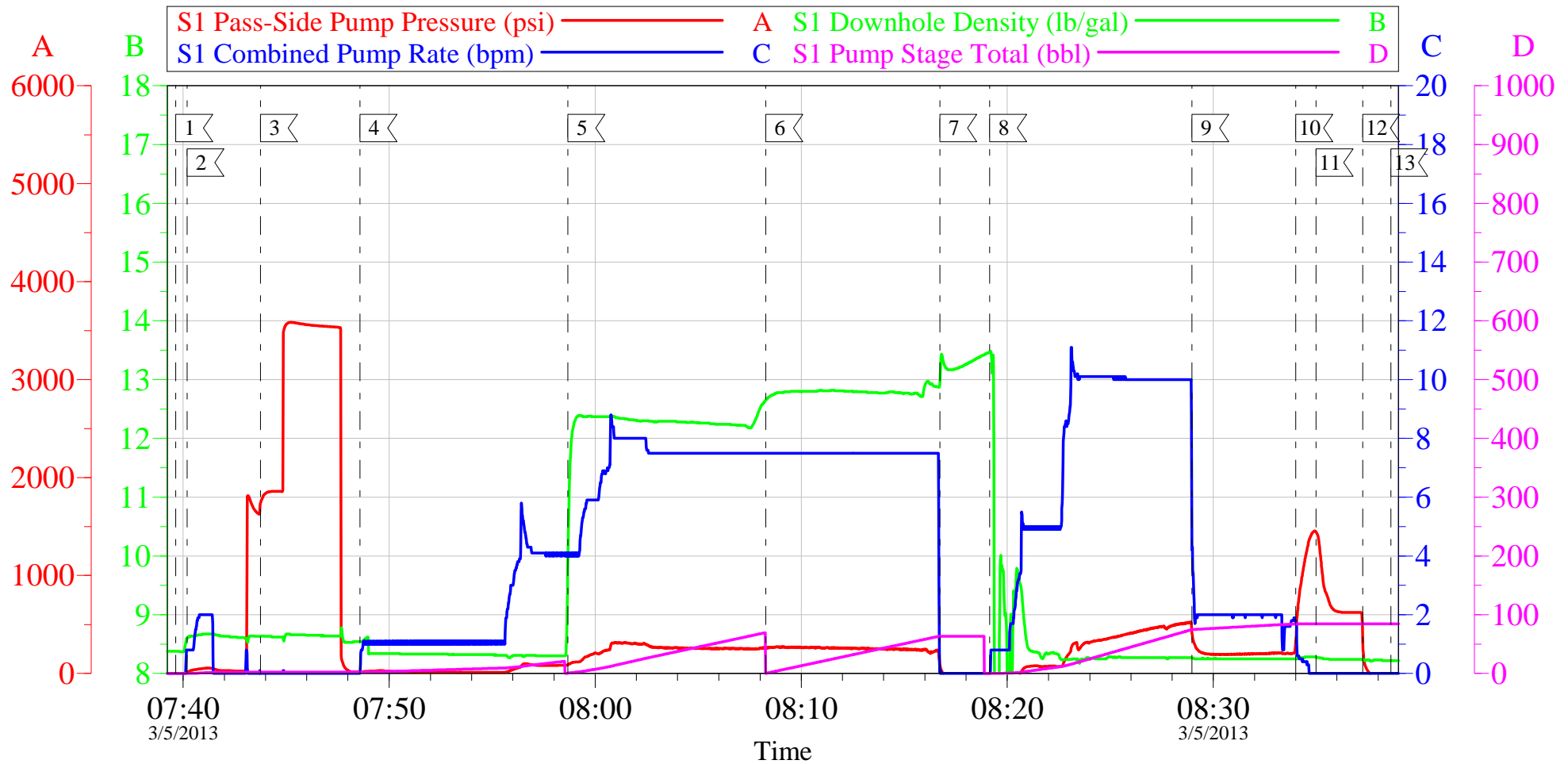
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Well Name: PA			Well #: 543-2			API/UWI #: 05-045-20888	
Field: PARACHUTE		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39.466 deg. OR N 39 deg. 27 min. 57.575 secs.				Long: W 107.954 deg. OR W -108 deg. 2 min. 45.524 secs.			
Contractor: NABORS 574			Rig/Platform Name/Num: NABORS 574				
Job Purpose: Cement Surface Casing						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: MAYO, MARK			Srvc Supervisor: SMITH, CHRISTOPHER			MBU ID Emp #: 452619	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pre-Convoy Safety Meeting	03/04/2013 21:00							ALL HES PERSONEL
Crew Leave Yard	03/04/2013 23:00							
Arrive At Loc	03/05/2013 00:30							RIG RUNNING CASEING.
Assessment Of Location Safety Meeting	03/05/2013 00:45							ALL HES PERSONEL
Rig-Up Equipment	03/05/2013 07:00							
Pre-Job Safety Meeting	03/05/2013 07:25							ALL HES PERSONEL AND RIG CREW
Start Job	03/05/2013 07:39							TD 1125', TP 1111', SJ 41', OH 13.5", CSG 9.625" 32.3 # H40 , MUD 10.5PPG.
Other	03/05/2013 07:40		2	2			53.0	FILL LINES
Pressure Test	03/05/2013 07:43		0.5	0.5				ALL LINES HELD PRESSURE @ 3400 PSI
Pump Spacer 1	03/05/2013 07:48		4	20			83.0	FRESH WATER
Pump Lead Cement	03/05/2013 07:58		8	67.8			269.0	160 SKS, 12.3 PPG, 2.38 FT3/SK, 13.75 GAL/SK, SET UP TIME 2:45 @ 70 BC.
Pump Tail Cement	03/05/2013 08:08		8	60.1			255.0	160 SKS, 12.8 PPG, 2.11 FT3/ SK, 11.75 GAL/SK, SET UP TIME 2:28 @ 70 BC
Shutdown	03/05/2013 08:16							WASH UP ON TOP OF PLUG PER COMPANY REP

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Drop Top Plug	03/05/2013 08:18							PLUG WENT
Pump Displacement	03/05/2013 08:19		10	74			530.0	FRESH WATER
Slow Rate	03/05/2013 08:28		2	10			230.0	
Bump Plug	03/05/2013 08:34				84		700.0	PLUG BUMPED, PUMP LEFT IN GEAR, KICKOUTS WENT AT 1300 PSI, BLEED BACK TO 700 PSI.
Check Floats	03/05/2013 08:37							FLOATS HELD
End Job	03/05/2013 08:38							GOOD CIRCULATION THROUGHOUT JOB, 25 BBLS OF CEMENT TO SURFACE, PIPE WAS MOVED DURING THE JOB.
Post-Job Safety Meeting (Pre Rig-Down)	03/05/2013 08:45							ALL HES PERSONEL
Rig-Down Completed	03/05/2013 09:45							
Depart Location Safety Meeting	03/05/2013 10:00							ALL HES PERSONEL
Crew Leave Location	03/05/2013 10:30							
Other	03/05/2013 10:31							THANK YOU FOR CHOOSING HALLIBURTON, CHRIS SMITH AND CREW

WPX / PA 543-2

9.625" SURFACE



Local Event Log

1 START JOB	07:39:38	2 FILL LINES	07:40:11	3 TEST LINES	07:43:45
4 H2O SPACER	07:48:35	5 LEAD CEMENT	07:58:41	6 TAIL CEMENT	08:08:17
7 SHUTDOWN	08:16:44	8 H2O DISPLACEMENT	08:19:09	9 SLOW RATE	08:28:58
10 BUMP PLUG	08:34:00	11 BLEED PRESSURE BACK	08:34:59	12 CHECK FLOATS	08:37:15
13 END JOB	08:38:37				

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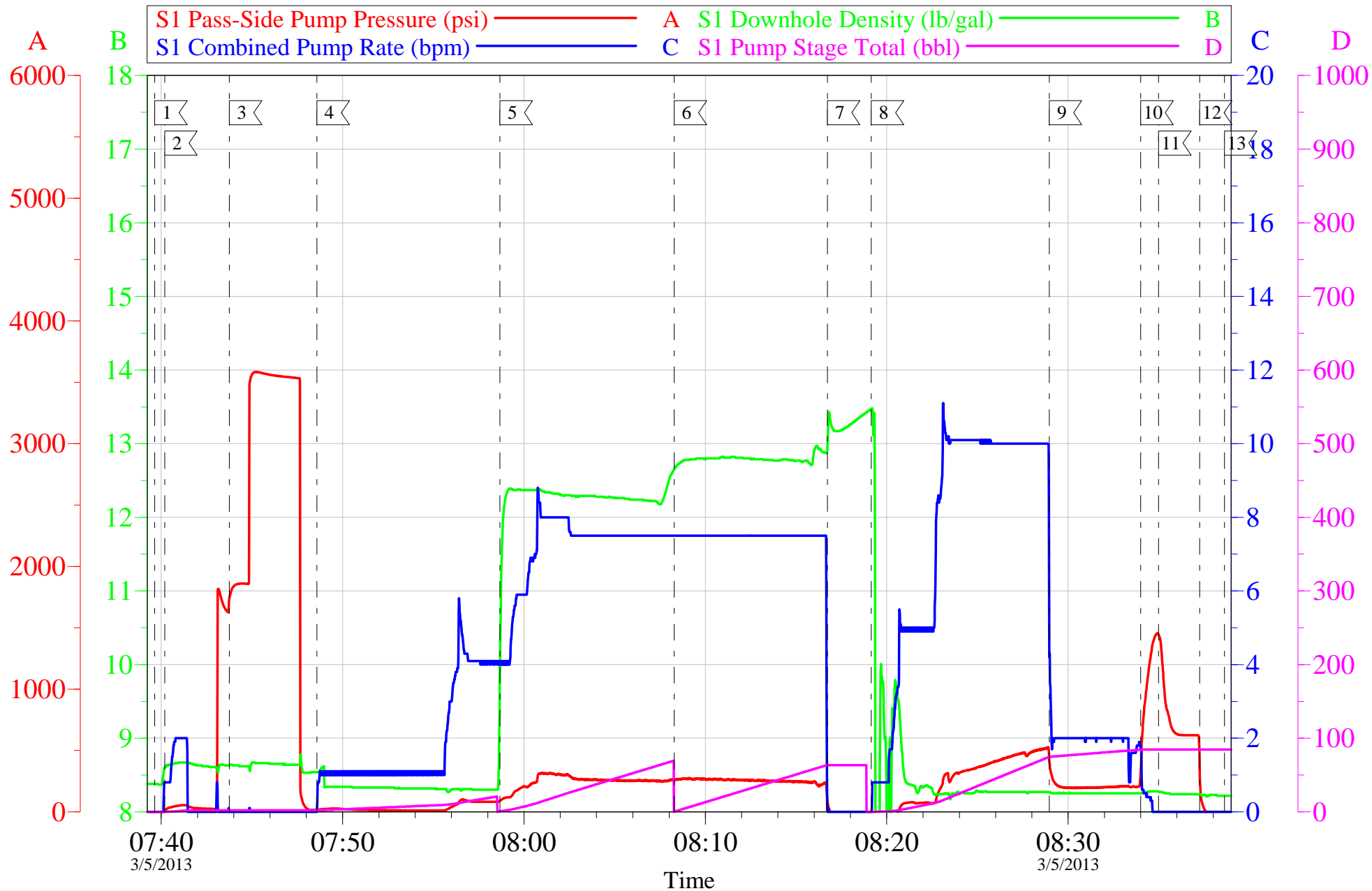
Job Date: 05-Mar-2013
 Job Type: SURFACE
 Cement Supervisor: C.SMITH

Sales Order #: 900202198
 ADC Used: YES
 Elite #7: T.VANALSTYNE

OptiCem v6.4.10
 05-Mar-13 08:48

WPX / PA 543-2

9.625" SURFACE



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 Well Description: PA 543-2
 Company Rep: G.VALAD

Job Date: 05-Mar-2013
 Job Type: SURFACE
 Cement Supervisor: C.SMITH

Sales Order #: 900202198
 ADC Used: YES
 Elite #7: T.VANALSTYNE

OptiCem v6.4.10
 05-Mar-13 08:49

HALLIBURTON

Water Analysis Report

Company: WILLIAMS

Submitted by: Chris Smith

Attention: L.COOKSEY

Lease NAB 574

Well # PA 543-2

Date: 03.05.2013

Date Rec.:

S.O.# 900202198

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	230 Mg / L
Hrdness	<i>500</i>	0 Mg / L
Iron (FE2)	<i>300</i>	200 Mg / L
Chlorides (Cl)	<i>3000</i>	0 Mg / L
Sulfates (SO ₄)	<i>1500</i>	<200 Mg / L
Temp	<i>40-80</i>	60 Deg
Total Dissolved Solids		450 Mg / L

Respectfully: Chris Smith

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 it

Sales Order #: 900202198	Line Item: 10	Survey Conducted Date: 3/5/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-20888
Well Name: PA		Well Number: 543-2
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	3/5/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CHRISTOPHER SMITH (HB20137)
Customer Participation	Did the customer participate in this survey? (Y/N)	No
Customer Representative	Enter the Customer representative name	
HSE	Was our HSE performance satisfactory? Circle Y or N	
Equipment	Were you satisfied with our Equipment? Circle Y or N	
Personnel	Were you satisfied with our people? Circle Y or N	
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	3/5/2013
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	7
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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Customer Representative:		API / UWI: (leave blank if unknown) 05-045-20888
Well Name: PA		Well Number: 543-2
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	94
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	92
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