
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 544-5
PARACHUTE
Garfield County , Colorado**

Cement Surface Casing

20-Nov-2012

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 2959594		Quote #:		Sales Order #: 900007081	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Wilson, W.C			
Well Name: PA			Well #: 544-5		API/UWI #:		
Field: PARACHUTE		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Lat: N 39.463 deg. OR N 39 deg. 27 min. 48.222 secs.				Long: W 108.007 deg. OR W -109 deg. 59 min. 35.365 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, JAVIER			MBU ID Emp #: 513620	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BRENNECKE, ANDREW	8	486345	CASTILLO, JAVIER	8	513620			
SMITH, CHRISTOPHER Scott	8	452619	WOLFE, JON P	8	485217			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10867425	60 mile	10872429	60 mile	10897891	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
11/20/2012	8	1						
TOTAL	8		<i>Total is the sum of each column separately</i>					

Job

Formation Name	Formation Depth (MD)	Top	SURFACE	Bottom	1232	Called Out	Date	Time	Time Zone
Form Type			BHST			On Location	20 - Nov - 2012	12:45	MST
Job depth MD	1232. ft		Job Depth TVD	1232. ft		Job Started	20 - Nov - 2012	18:44	MST
Water Depth			Wk Ht Above Floor	3. ft		Job Completed	20 - Nov - 2012	19:41	MST
Perforation Depth (MD)	From		To			Departed Loc	20 - Nov - 2012	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
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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	9.625	1	WTF	1220.9	Packer					Top Plug	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar	9.625	1	WTF	1176.7	Retainer					SSR plug set			
Insert Float										Plug Container	9.625	1	HES
Stage Tool										Centralizers	9.625	5	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
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1	Water Spacer		20.00	bbl	8.33	.0	.0	3.5	
2	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	170.0	sacks	12.3	2.38	13.75	7	13.75
3	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	7	11.75
4	Displacement		93.00	bbl	8.33	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	93	Shut In: Instant		Lost Returns	NONE	Cement Slurry	132	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	25	Actual Displacement	93	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	245
Rates									
Circulating	RIG	Mixing	7	Displacement	10	Avg. Job	7.5		
Cement Left In Pipe	Amount	44 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

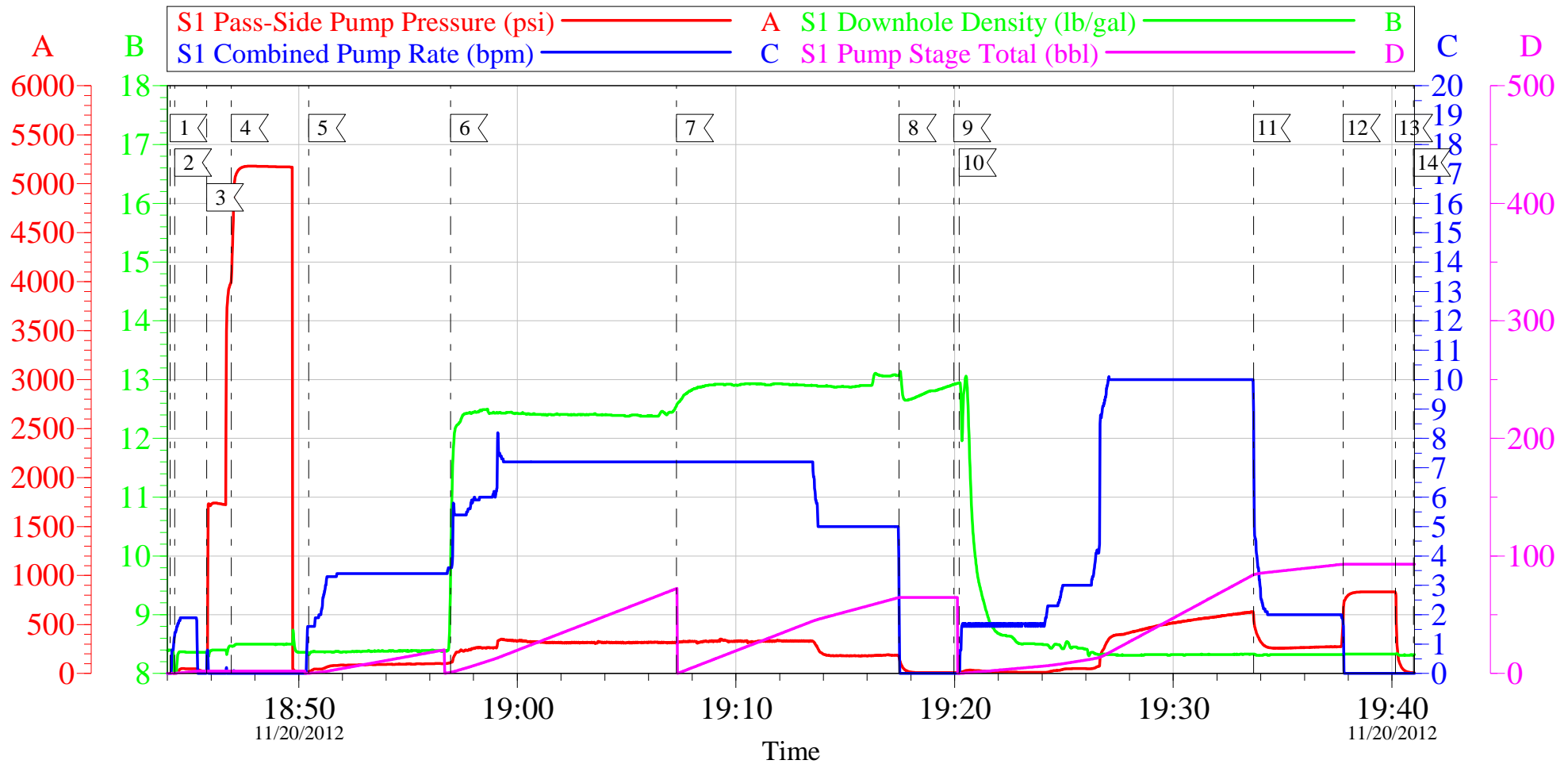
Sold To #: 300721		Ship To #: 2959594		Quote #:		Sales Order #: 900007081	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Wilson, W.C			
Well Name: PA			Well #: 544-5			API/UWI #:	
Field: PARACHUTE		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39.463 deg. OR N 39 deg. 27 min. 48.222 secs.				Long: W 108.007 deg. OR W -109 deg. 59 min. 35.365 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	11/20/2012 10:50							ALL HES PERSONEL
Crew Leave Yard	11/20/2012 11:00							
Arrive At Loc	11/20/2012 12:45							RIG WAS PULLING OUT DRILL PIPE
Assessment Of Location Safety Meeting	11/20/2012 13:00							ALL HES PERSONEL
Rig-Up Equipment	11/20/2012 13:30							1-ELITE, 1-660 BULK TRUCK, PUMPING IRON
Rig-Up Completed	11/20/2012 14:30							RIG BEGAN RUNNING CASING AT 15:45/RIG LANDED CASING AT 17:45/BEGIN CIRCULATING WELL AT 18:00
Pre-Job Safety Meeting	11/20/2012 18:30							ALL HES PERSONEL AND RIG CREW
Start Job	11/20/2012 18:44							OH-13.5", TD-1232', CSG-9.625", 32.3#, H-40, TP-1220.9', SJ-44', FC-1176.78', MUD-9.8PPG, FV-127, PV-48, YP-54, pH-10.3, TEMP-97 DEG
Other	11/20/2012 18:44		2	2			51.0	FILL LINES
Other	11/20/2012 18:45		0.2	0.2				STALL OUT/PRESSURE HELD AT 1740 PSI
Pressure Test	11/20/2012 18:46		0.2	0.2				ALL LINES HELD PRESSURE AT 5179 PSI

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 1	11/20/2012 18:50		3.5	20			102.0	FRESH WATER
Pump Lead Cement	11/20/2012 18:56		7	72			320.0	170 SKS AT 12.3 PPG, 2.38 FT3/SK, 13.75 GPS, SET UP TIME 2:38 HRS AT 70 BC
Pump Tail Cement	11/20/2012 19:07		7	60			335.0	160 SKS, 12.8 PPG, 2.11 FT3/ SK, 11.75 GAL/SK, SET UP TIME 2:38 HRS AT 70 BC
Shutdown	11/20/2012 19:17							
Drop Top Plug	11/20/2012 19:19							DRILLER OBSERVED PLUG DROP
Pump Displacement	11/20/2012 19:20		10	83			630.0	FRESH WATER
Slow Rate	11/20/2012 19:33		2	10			280.0	
Bump Plug	11/20/2012 19:37			93			860.0	CIRCULATED 25 BBLS OF CEMENT TO SURFACE
Check Floats	11/20/2012 19:40							FLOW BACK 0.5MBBL
End Job	11/20/2012 19:41							
Post-Job Safety Meeting (Pre Rig-Down)	11/20/2012 19:47							ALL HES PERSONEL
Depart Location Safety Meeting	11/20/2012 20:50							ALL HES PERSONEL
Crew Leave Location	11/20/2012 21:00							
Other	11/20/2012 21:00							THANK YOU FOR CHOOSING HALLIBURTON, JAVIER CASTILLO AND CREW

WPX PA 544-5

9 5/8 SURFACE



Local Event Log

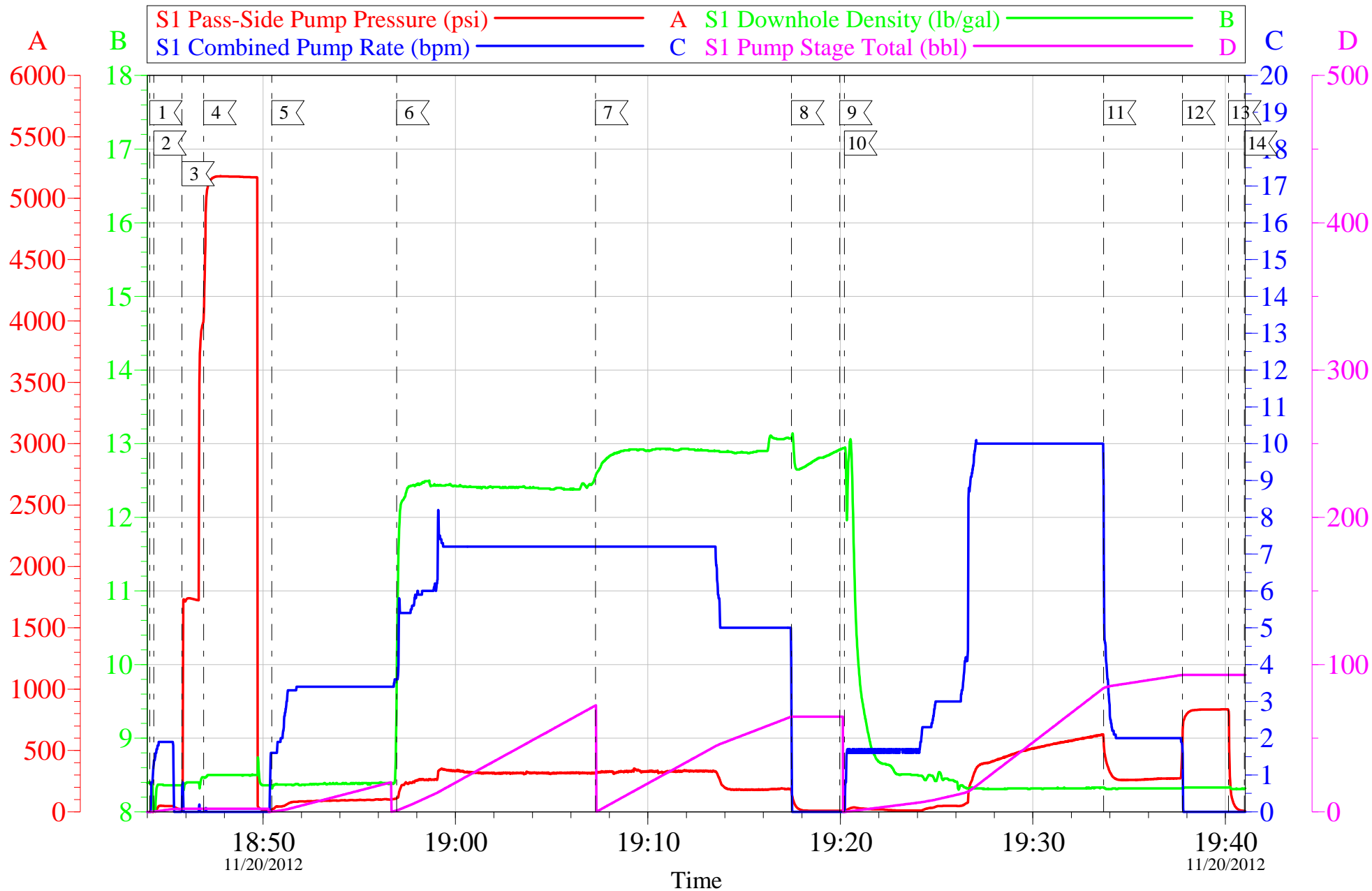
1 START JOB	18:44:07	2 FILL LINES	18:44:20	3 STALL OUT	18:45:47
4 TEST LINES	18:46:55	5 WATER SPACER	18:50:27	6 LEAD SLURRY	18:56:57
7 TAIL SLURRY	19:07:17	8 SHUT DOWN	19:17:28	9 DROP PLUG	19:19:58
10 DISPLACEMENT	19:20:13	11 SLOW RATE	19:33:40	12 BUMP PLUG	19:37:46
13 CHECK FLOAT	19:40:10	14 END JOB	19:41:00		

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Job Date: 20-Nov-2012	Sales Order #: 900007081
Well Description: PA 544-5	Job Type: SURFACE	ADC Used: YES
Company Rep: WC WILSON	Cement Supervisor: JAVIER CASTILLO	Elite #7: ANDREW BRENNECKE

OptiCem v6.4.10
20-Nov-12 19:51

WPX PA 544-5

9 5/8 SURFACE



Customer:	WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Job Date:	20-Nov-2012	Sales Order #:	900007081
Well Description:	PA 544-5	Job Type:	SURFACE	ADC Used:	YES
Company Rep:	WC WILSON	Cement Supervisor:	JAVIER CASTILLO	Elite #7:	ANDREW BRENECKE

OptiCem v6.4.10
20-Nov-12 19:51

HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: JAVIER CASTILLO

Attention: J.Trout

Lease: PA

Well #: 544-5

Date: 11/20/2012

Date Rec.: 11/20/2012

S.O.#: 900007081

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7.5
Potassium (K)	<i>5000</i>	450 Mg / L
Calcium (Ca)	<i>500</i>	120 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	500 Mg / L
Sulfates (SO ₄)	<i>1500</i>	200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	51 Deg
Total Dissolved Solids		52 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 #: 900007081	Line Item: 10	Survey Conducted Date: 11/20/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: WC WILSON		API / UWI: (leave blank if unknown) AFEYCY0WOBKF3A4GAAA
Well Name: PA		Well Number: 544-5
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	11/20/2012
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

Sales Order #: 900007081	Line Item: 10	Survey Conducted Date: 11/20/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: WC WILSON		API / UWI: (leave blank if unknown) AFEYCY0WOBKF3A4GAAA
Well Name: PA		Well Number: 544-5
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 The date the survey was conducted	11/20/2012

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.	8
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

Sales Order #: 900007081	Line Item: 10	Survey Conducted Date: 11/20/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: WC WILSON		API / UWI: (leave blank if unknown) AFEYCY0WOBKF3A4GAAA
Well Name: PA		Well Number: 544-5
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	97
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	97
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