
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 444-5
PARACHUTE
Garfield County , Colorado**

Cement Surface Casing **27-Nov-2012**

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 2961549		Quote #:		Sales Order #: 9938564	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Towers, Ron			
Well Name: PA			Well #: 444-5		API/UWI #: 05-045-20061		
Field: PARACHUTE		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Lat: N 39.463 deg. OR N 39 deg. 27 min. 48.287 secs.				Long: W 108.007 deg. OR W -109 deg. 59 min. 35.315 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			Srvs 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 #
BURKE, BRENDAN Patrick	7.5	487782	HYDE, DUSTIN C	7.5	453940	SLAUGHTER, JESSE Dean	7.5	454315

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	11259881	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
11-27-2012	7.5	3						

TOTAL Total is the sum of each column separately

Job

Formation Name					Date				Time		Time Zone				
Formation Depth (MD)		Top		Bottom		Called Out		27 - Nov - 2012		05:30		MST			
Form Type		BHST				On Location		27 - Nov - 2012		09:00		MST			
Job depth MD		1249. ft		Job Depth TVD		1249. ft		Job Started		27 - Nov - 2012		13:38		MST	
Water Depth				Wk Ht Above Floor		7. ft		Job Completed		27 - Nov - 2012		14:41		MST	
Perforation Depth (MD)		From		To				Departed Loc		27 - Nov - 2012		16:30		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	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

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

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	FRESH WATER	20.00	bbl	8.33	.0	.0	4	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	170.0	sacks	12.3	2.38	13.75	7	13.75
		13.75 Gal	FRESH WATER						
3	Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	7	11.75
		11.75 Gal	FRESH WATER						
4	Displacement	FRESH WATER	94.8	bbl	8.33	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	94.8	Shut In: Instant		Lost Returns	NO	Cement Slurry	132	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	40	Actual Displacement	94.8	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	247
Rates									
Circulating		Mixing	7	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					

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Legal Description:							
Lat: N 39.463 deg. OR N 39 deg. 27 min. 48.287 secs.				Long: W 108.007 deg. OR W -109 deg. 59 min. 35.315 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: 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	11/27/2012 05:30							TD 1260 FT, TP 1249 FT, SHOE 44 FT, CSG 9 5/8 IN 32.3 LB/FT, HOLE 13 1/2 IN, MUD WT 9.6 PPG
Pre-Convoy Safety Meeting	11/27/2012 07:20							WITH ALL HES PERSONNEL
Crew Leave Yard	11/27/2012 07:30							
Arrive At Loc	11/27/2012 09:00							RIG WAS PULLING DRILL PIPE UPON HES ARRIVAL
Assessment Of Location Safety Meeting	11/27/2012 12:00							WITH ALL HES PERSONNEL
Other	11/27/2012 12:10							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	11/27/2012 12:20							WITH ALL HES PERSONNEL
Rig-Up Equipment	11/27/2012 12:30							
Pre-Job Safety Meeting	11/27/2012 13:25							WITH ALL PERSONNEL ON LOCATION
Start Job	11/27/2012 13:38							
Other	11/27/2012 13:38		2	2			30.0	FILL LINES WITH FRESH WATER
Test Lines	11/27/2012 13:40							TESTED LINES 3840 PSI PRESSURE HOLDING
Pump Spacer 1	11/27/2012 13:45		4	20			93.0	FRESH WATER
Pump Lead Cement	11/27/2012 13:54		7	72			289.0	170 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

Sold To # : 300721

Ship To # :2961549

Quote # :

Sales Order # :

9938564

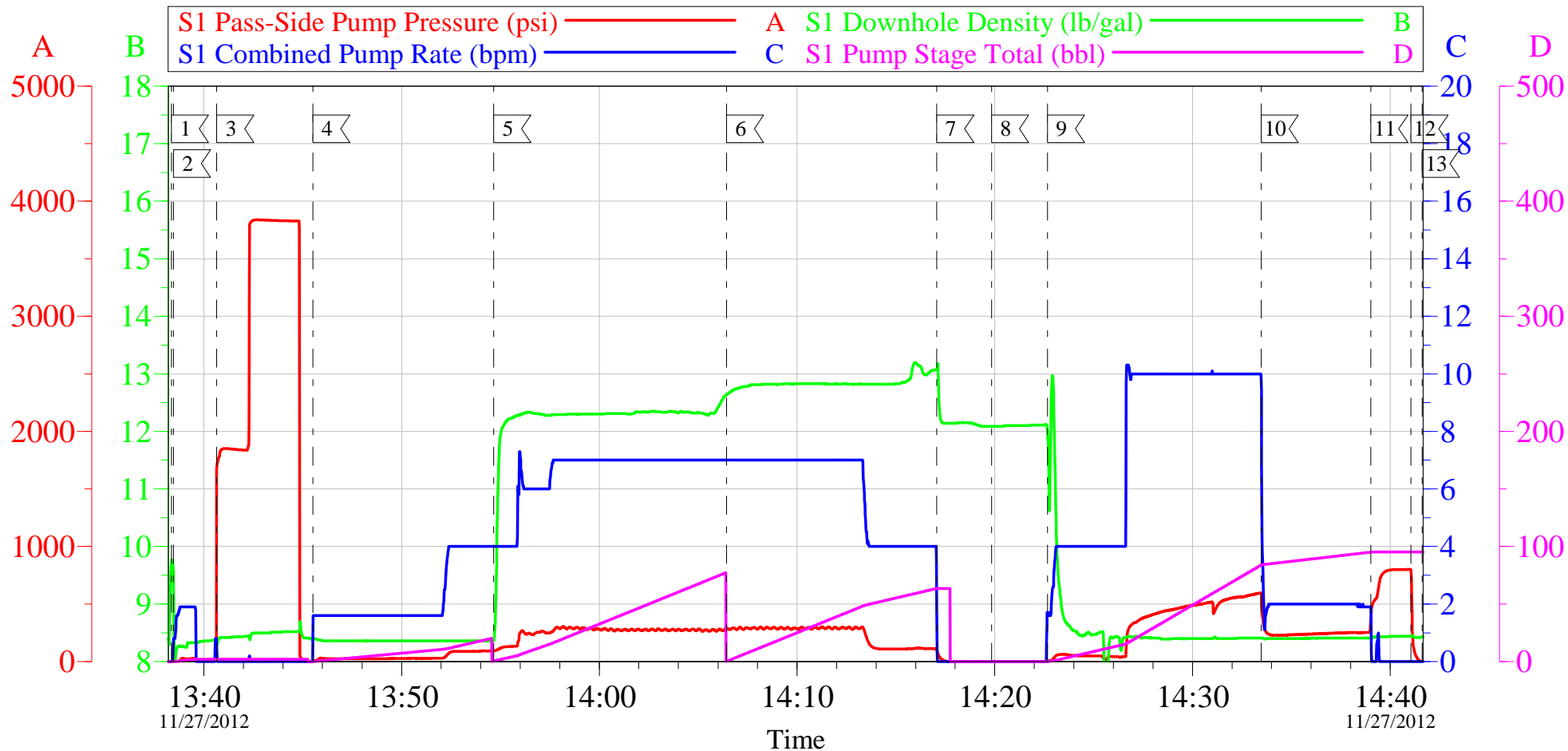
SUMMIT Version: 7.3.0045

Monday, December 03, 2012 02:46:00

		#		Stage	Total	Tubing	Casing	
Pump Tail Cement	11/27/2012 14:06		7	60.1			300.0	160 SKS AT 12.8 PPG, 2.11 FT3/SK, 11.75 GAL/SK
Shutdown	11/27/2012 14:17							
Drop Top Plug	11/27/2012 14:19							PLUG LAUNCHED
Pump Displacement	11/27/2012 14:22		10	84.8			600.0	FRESH WATER
Slow Rate	11/27/2012 14:33		2	10			250.0	SLOW RATE 10 BBLs PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	11/27/2012 14:39		2		94.8		800.0	PLUG BUMPED
Check Floats	11/27/2012 14:41							FLOATS HOLDING. HES RETUNED 1/2 BBL H2O TO PUMP
End Job	11/27/2012 14:41							PIPE WAS STATIC DURING JOB, GOOD CIRCULATION THROUGHOUT JOB, HES RETURNED 40 BBL CEMENT TO SURFACE, HES USED 40 LB SUGAR FOR JOB
Pre-Rig Down Safety Meeting	11/27/2012 14:45							WITH ALL HES PERSONNEL
Rig-Down Equipment	11/27/2012 14:50							
Pre-Convoy Safety Meeting	11/27/2012 16:20							WITH ALL HES PERSONNEL
Crew Leave Location	11/27/2012 16:30							
Comment	11/27/2012 16:31							THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JESSE SLAUGHTER AND CREW.

WPX PA 444-5

9 5/8 SURFACE



Local Event Log

1 START JOB	13:38:21	2 FILL LINES	13:38:28	3 TEST LINES	13:40:39
4 PUMP H2O SPACER	13:45:31	5 PUMP LEAD CEMENT	13:54:40	6 PUMP TAIL CEMENT	14:06:26
7 SHUTDOWN	14:17:04	8 DROP TOP PLUG	14:19:50	9 PUMP DISPLACEMENT	14:22:40
10 SLOW RATE	14:33:28	11 BUMP PLUG	14:39:01	12 CHECK FLOATS	14:41:03
13 END JOB	14:41:37				

Customer: WPX
Well Description: PA 444-5
Customer Rep: RON TOWERS

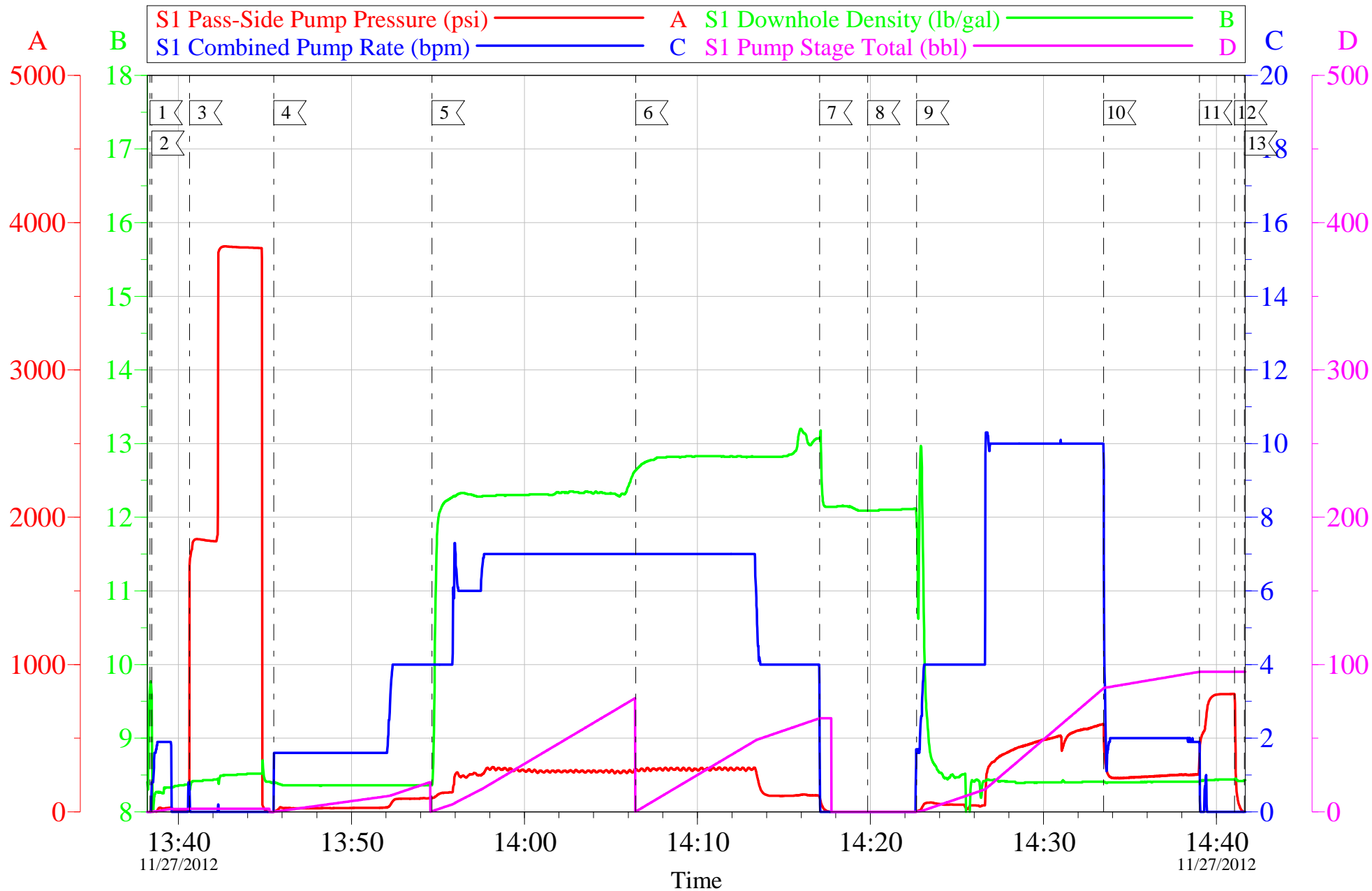
Job Date: 27-Nov-2012
Job Type: SURFACE
Cement Supervisor: JESSE SLAUGHTER

Sales Order #: 9938564
ADC Used: YES
Elite #: DUSTIN HYDE

OptiCem v6.4.10
27-Nov-12 14:52

WPX PA 444-5

9 5/8 SURFACE



Customer: WPX
Well Description: PA 444-5
Customer Rep: RON TOWERS

Job Date: 27-Nov-2012
Job Type: SURFACE
Cement Supervisor: JESSE SLAUGHTER

Sales Order #: 9938564
ADC Used: YES
Elite #7: DUSTIN HYDE

OptiCem v6.4.10
27-Nov-12 14:53

HALLIBURTON

Water Analysis Report

Company: WILLIAMS PRODUCTION

Submitted by: JESSE SLAUGHTER

Attention: LAB

Lease PA

Well # 444-5

Date: 11/27/2012

Date Rec.:

S.O.# 9938564

Job Type: SURFACE

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>	50 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 #: 9938564	Line Item: 10	Survey Conducted Date: 11/27/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: RON TOWERS		API / UWI: (leave blank if unknown) 05-045-20061
Well Name: PA		Well Number: 444-5
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	11/27/2012
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	RON TOWERS
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 #: 9938564	Line Item: 10	Survey Conducted Date: 11/27/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: RON TOWERS		API / UWI: (leave blank if unknown) 05-045-20061
Well Name: PA		Well Number: 444-5
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	11/27/2012

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.	3
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	6
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: RON TOWERS		API / UWI: (leave blank if unknown) 05-045-20061
Well Name: PA		Well Number: 444-5
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	98
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	98
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