
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		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 #
BURKE, BRENDAN Patrick	7.5	487782	HYDE, DUSTIN C	7.5	453940	SLAUGHTER, JESSE Dean	7.5	454315

Equipment

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

Job Times

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

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

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				

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						

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
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

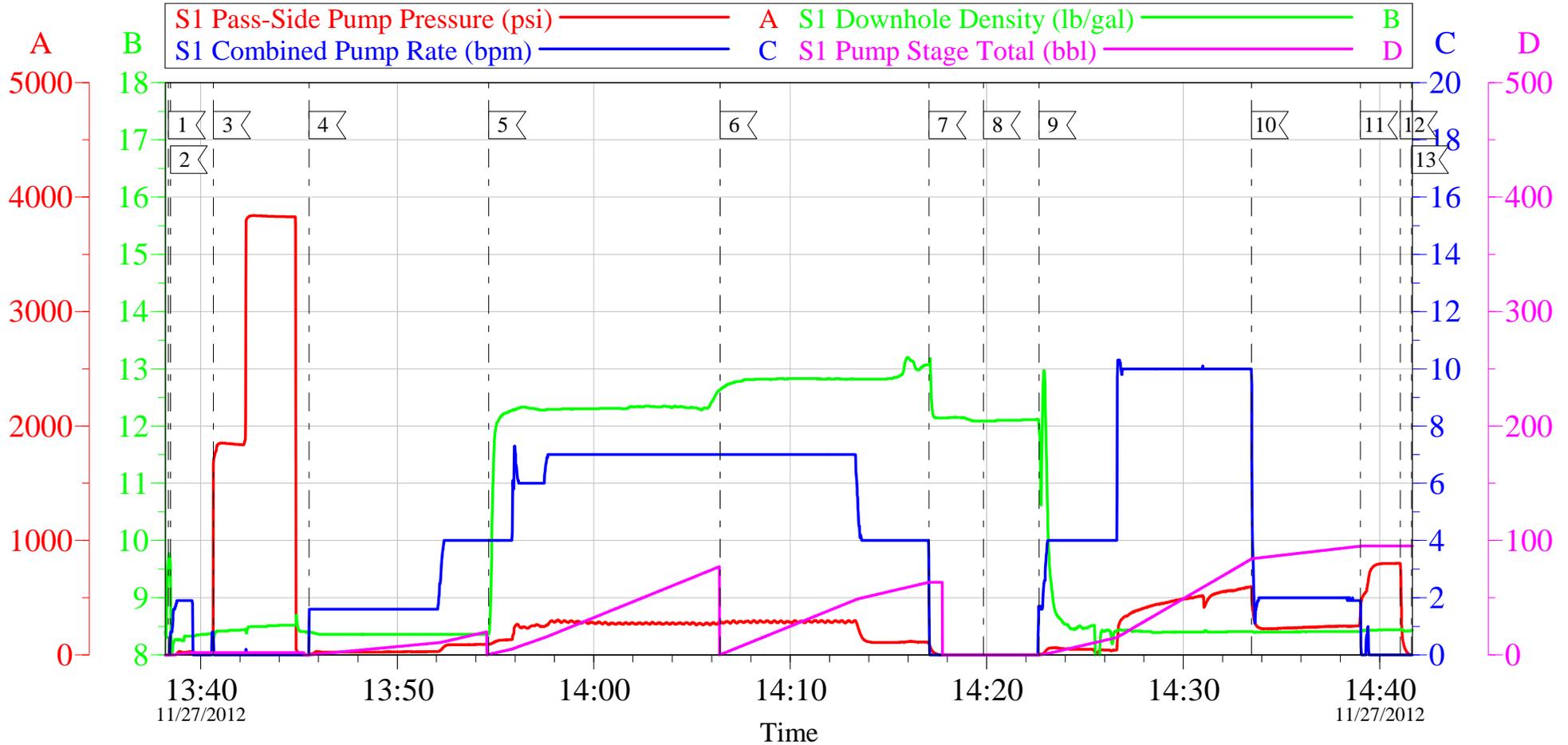
Quote # :

Sales Order # : 9938564

		#		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 RETURNED 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

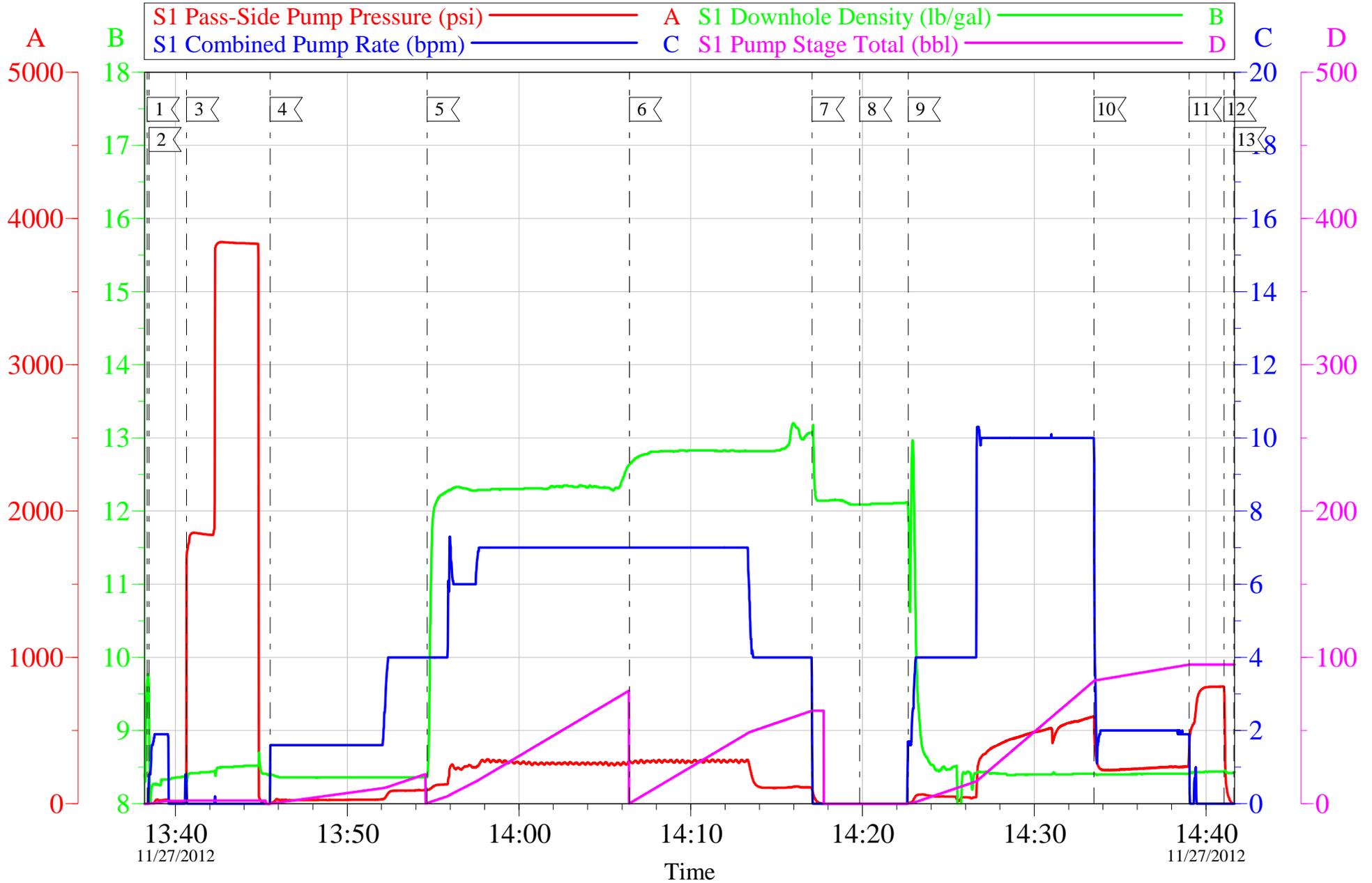
Job Date: 27-Nov-2012
Job Type: SURFACE
Cement Supervisor: JESSE SLAUGHTER

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

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

WPX PA 444-5

9 5/8 SURFACE



Customer: WPX	Job Date: 27-Nov-2012	Sales Order #: 9938564
Well Description: PA 444-5	Job Type: SURFACE	ADC Used: YES
Customer Rep: RON TOWERS	Cement Supervisor: JESSE SLAUGHTER	Elite #: DUSTIN HYDE

HALLIBURTON

Water Analysis Report

Company: WILLIAMS PRODUCTION

Date: 11/27/2012

Submitted by: JESSE SLAUGHTER

Date Rec.: _____

Attention: LAB

S.O.# 9938564

Lease PA

Job Type: SURFACE

Well # 444-5

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	11/27/2012
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)	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	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 #: 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

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