
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 522-11
RULISON
Garfield County , Colorado**

Cement Surface Casing
24-May-2013

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2999973	Quote #:	Sales Order #: 900461039
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Wilson, W.C	
Well Name: PA		Well #: 522-11	API/UWI #:
Field: RULISON	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Contractor: Cyclone Drilling		Rig/Platform Name/Num: Cyclone 17	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc Supervisor: KEANE, JOHN	MBU ID Emp #: 486519

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANKS, BRENT A	8	371353	BLANCHETTE, JAMES George	8	371360	CAMPBELL, DAVID Arthur	8	544403
KEANE, JOHN Donovon	8	486519	WILSON, BENJAMIN Wallace	8	533647			

Equipment

HES Unit #	Distance-1 way						
10567589C	60 mile	10867425	60 mile	10897891	60 mile	10951251	60 mile
11808829	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
05/24/2013	8	1						
TOTAL			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	24 - May - 2013	01:00	MST
Form Type		BHST	Job Started	24 - May - 2013	05:30	MST
Job depth MD	928. ft	Job Depth TVD	Job Completed	24 - May - 2013	11:16	MST
Water Depth		Wk Ht Above Floor	Departed Loc	24 - May - 2013	12:00	MST
Perforation Depth (MD)	<i>From</i>	<i>To</i>				

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
OPEN HOLE				13.5				.	928.	.	928.
SURFACE CASING	Unknown		9.625	9.001	32.3		H-40	.	928.	.	928.

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 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	Fresh Water Spacer		20.00	bbl	.	.0	.0	8	
2	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	240.0	sacks	12.8	2.11	11.75	8	11.75
11.75 Gal		FRESH WATER							
3	Fresh Water Displacement		70.00	bbl	.	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	70	Shut In: Instant		Lost Returns		Cement Slurry	90	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	18	Actual Displacement	70	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	180
Rates									
Circulating	10	Mixing	8	Displacement	70	Avg. Job			8
Cement Left In Pipe	Amount	38.5 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

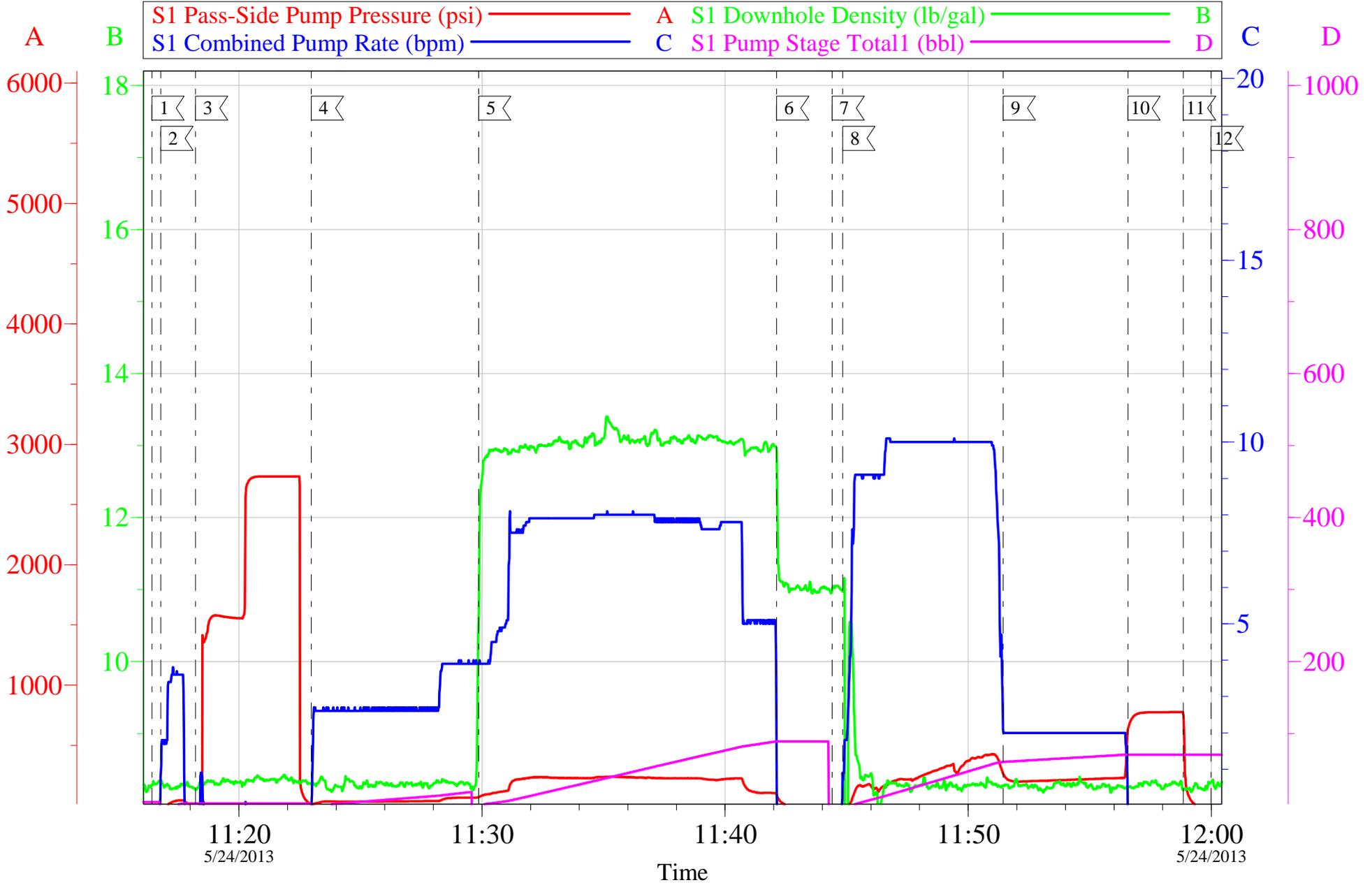
Sold To #: 300721	Ship To #: 2999973	Quote #:	Sales Order #: 900461039
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Wilson, W.C	
Well Name: PA		Well #: 522-11	API/UWI #:
Field: RULISON	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat:		Long:	
Contractor: Cylcone Drilling		Rig/Platform Name/Num: Cyclone 17	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc Supervisor: KEANE, JOHN	MBU ID Emp #: 486519

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	05/24/2013 01:00							
Crew Leave Location	05/24/2013 01:00							
Comment	05/24/2013 01:01							THANKS FOR USING HALLIBURTON, JOHN KEANE AND CREW
Pre-Convoy Safety Meeting	05/24/2013 03:45							WITH HES
Arrive At Loc	05/24/2013 05:30							RIG PULLING DRILL PIPE UPON HES ARRIVAL
Assessment Of Location Safety Meeting	05/24/2013 05:40							WITH HES
Pre-Rig Up Safety Meeting	05/24/2013 10:20							WITH HES
Rig-Up Equipment	05/24/2013 10:30							
Pre-Job Safety Meeting	05/24/2013 11:05							WITH HES, WPX, AND CYCLONE 29
Start Job	05/24/2013 11:16							TD 942 FT, TP 928 FT, SHOE 38.5 FT, HOLE 13.5 IN, MWT 9.6 LB/GAL, CSG 9.625 32.3 LB/FT H-40
Pump Water	05/24/2013 11:17		2	2			65.0	FILL LINES
Test Lines	05/24/2013 11:18							LOW TEST AT 1595, HIGH TEST AT 2748, PRESSURE HOLDING
Pump Spacer	05/24/2013 11:22		4	20			80.0	FRESH WATER SPACER
Pump Tail Cement	05/24/2013 11:29		8	90.2			260.0	MIXED AT 12.8 LB/GAL, 2.11 FT3/SK, 11.75 GAL/SK, 240 SKS

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Shutdown	05/24/2013 11:42						240.0	
Drop Plug	05/24/2013 11:44							PLUG LAUNCHED
Pump Displacement	05/24/2013 11:45		10	60			295.0	FRESH WATER
Slow Rate	05/24/2013 11:51		2	10			260.0	SLOWED RATE AT 60 BBL AWAY
Bump Plug	05/24/2013 11:56				70		260.0	PLUG BUMPED AT CALCULATED DISPLACEMENT
Check Floats	05/24/2013 11:58						791.0	FLOATS HOLDING
End Job	05/24/2013 12:00							PIPE WAS STATIC THROUGHOUT JOB, GOOD CIRCULATION THROUGHOUT JOB
Post-Job Safety Meeting (Pre Rig-Down)	05/24/2013 12:10							WITH HES
Rig-Down Equipment	05/24/2013 12:15							
Pre-Convoy Safety Meeting	05/24/2013 12:45							WITH HES

WPX - PA-522-21

9.625 IN SURFACE



Customer: WPX	Job Date: 24-May-2013	Sales Order #: 900461039
Well Description: PA-521-22	Job Type: SURFACE	ADC Used: YES
Company Rep: AL DUNIHOO	Cement Supervisor: JOHN KEANE	Elite #3: BRENT BANKS

HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: JOHN KEANE

Attention: CHUCK ROSS

Lease PA

Well # 522-11

Date: 5/24/2013

Date Rec.: 5/24/2013

S.O.# 900435504

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	8
Potassium (K)	<i>5000</i>	0 Mg / L
Calcium (Ca)	<i>500</i>	200 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	120 Mg / L
Sulfates (SO ₄)	<i>1500</i>	<200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	68 Deg
Total Dissolved Solids		330 Mg / L

Respectfully: JOHN KEANE

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 #: 900461039	Line Item: 10	Survey Conducted Date: 5/24/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) AFEYSNVVZGK4UCMSAAA
Well Name: PA		Well Number: 522-11
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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	5/24/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	JOHN KEANE (HB58526)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	AL DUNIHO
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	GOOD JOB MEN !

CUSTOMER SIGNATURE

Sales Order #: 900461039	Line Item: 10	Survey Conducted Date: 5/24/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) AFEYSNVVZGK4UCMSAAA
Well Name: PA		Well Number: 522-11
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	5/24/2013
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	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 #: 900461039	Line Item: 10	Survey Conducted Date: 5/24/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) AFEYSNVVZGK4UCMSAAA
Well Name: PA		Well Number: 522-11
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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	95
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	96
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