
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 21-11
RULISON
Garfield County , Colorado**

**Cement Surface Casing
20-Jun-2013**

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3005206	Quote #:	Sales Order #: 900526370
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: BRUNK, MIKE	
Well Name: PA	Well #: 21-11	API/UWI #:	
Field: RULISON	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Contractor: Cyclone Drilling	Rig/Platform Name/Num: Cyclone17		
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc Supervisor: ANDREWS, ANTHONY	MBU ID Emp #: 321604

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANDERSON, ADAM S	7	456683	ANDREWS, ANTHONY Michael	7	321604	EICKHOFF, ROBERT Edward	7	495311

Equipment

HES Unit #	Distance-1 way						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
6/20/13	6.5	3						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	19 - Jun - 2013	22:00	MST
Form Type	BHST		Job Started	20 - Jun - 2013	01:30	MST
Job depth MD	968. ft	Job Depth TVD	Job Completed	20 - Jun - 2013	05:51	MST
Water Depth		Wk Ht Above Floor	Departed Loc	20 - Jun - 2013	06:40	MST
Perforation Depth (MD)	From	To		20 - Jun - 2013	08:00	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
OPEN HOLE				12.25				.	967.		
SURFACE CASING	Unknown		9.625	9.001	32.3		I-80	.	974.6		

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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom

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	.0	
2	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	260.0	sacks	12.8	2.11	11.75		11.75
11.752 Gal		FRESH WATER							
3	Fresh Water Displacement		71.00	bbl	.	.0	.0	.0	
Calculated Values			Pressures			Volumes			
Displacement	71.1	Shut In: Instant		Lost Returns	N	Cement Slurry	97.7	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	30	Actual Displacement	71.1	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	188.8
Rates									
Circulating	RIG	Mixing	8	Displacement	10-2	Avg. Job	8		
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					

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Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: BRUNK, MIKE	
Well Name: PA		Well #: 21-11	API/UWI #:
Field: RULISON	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat:		Long:	
Contractor: Cylcone Drilling		Rig/Platform Name/Num: Cyclone17	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc Supervisor: ANDREWS, ANTHONY	MBU ID Emp #: 321604

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	06/19/2013 22:00							
Pre-Convoy Safety Meeting	06/20/2013 00:15							
Crew Leave Yard	06/20/2013 00:30							
Arrive At Loc	06/20/2013 01:30							
Assessment Of Location Safety Meeting	06/20/2013 01:35							
Other	06/20/2013 04:45							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	06/20/2013 04:50							
Rig-Up Equipment	06/20/2013 05:00							
Pre-Job Safety Meeting	06/20/2013 05:30							
Start Job	06/20/2013 05:51							TD: 968 TP: 948 SJ: 44' MW: 9.9 PPG 9 5/8" 32.3#/FT CSG IN 13 1/2" OH
Test Lines	06/20/2013 05:53							3000 PSI TEST
Pump Spacer	06/20/2013 05:58		4	20			89.0	FRESH H2O SPACER
Pump Tail Cement	06/20/2013 06:06		8	97.7			111.0	260 SKS @ 12.8 PPG 2.11 YLD 11.75 GAL/SK H2O
Shutdown	06/20/2013 06:21							
Drop Plug	06/20/2013 06:22							WASH UP ON TOP OF PLUG.
Pump Displacement	06/20/2013 06:23		10	71.1			235.0	FRESH H2O DISPLACEMENT

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Quote # :

Sales Order # : 900526370

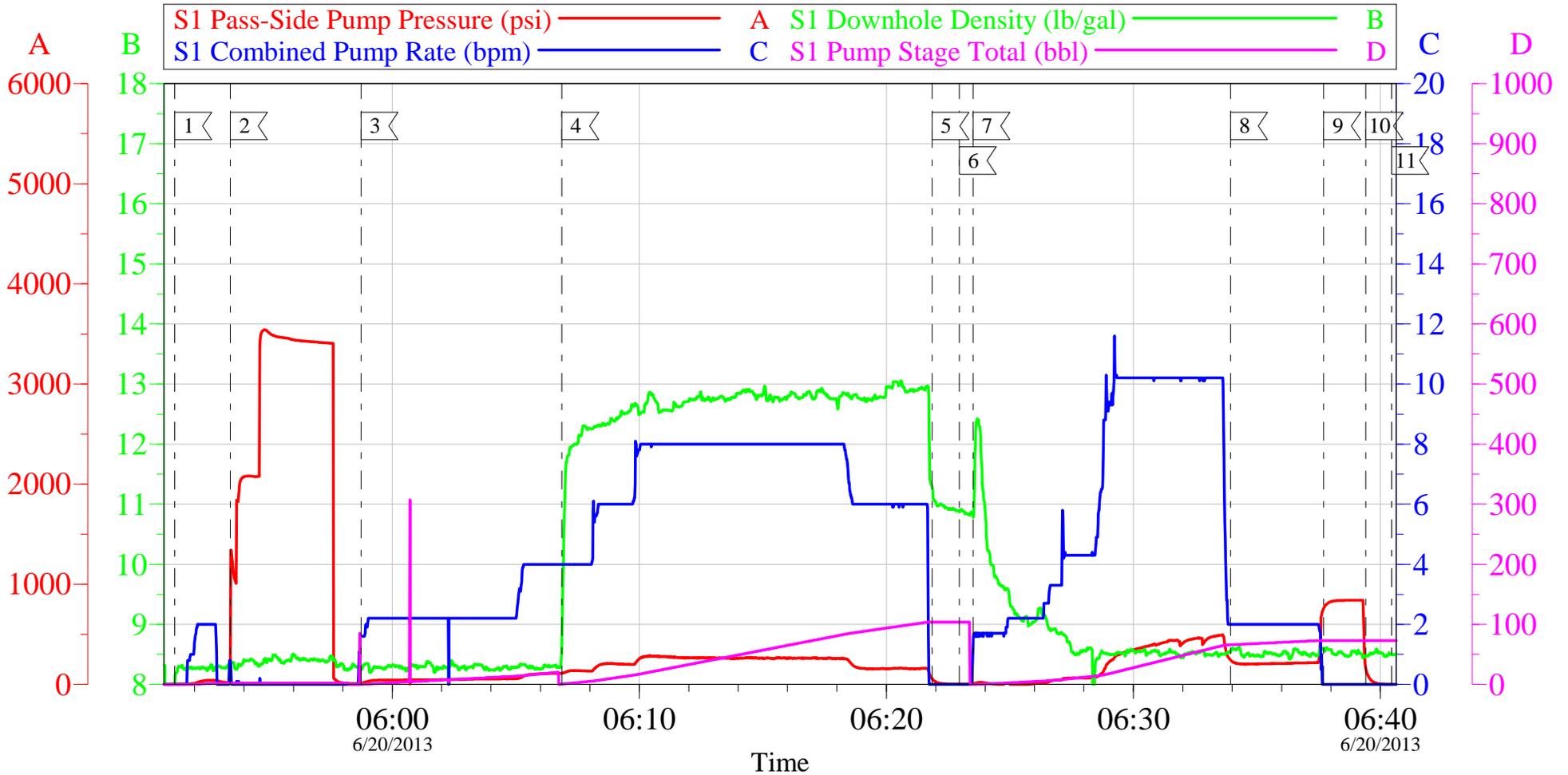
SUMMIT Version: 7.3.0081

Saturday, June 22, 2013 02:26:00

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Slow Rate	06/20/2013 06:33		2	61			240.0	
Bump Plug	06/20/2013 06:37		2	71.1			804.0	
Check Floats	06/20/2013 06:39							
End Job	06/20/2013 06:40							
Post-Job Safety Meeting (Pre Rig-Down)	06/20/2013 06:45							GOOD CIRCULATION THROUGHOUT JOB. PIPE WAS LEFT STATIC THROUGHOUT JOB. NO ADD HOURS CHARGED. 100# SUGAR USED. PLUG BUMPED AT CALCULATED DISPLACEMENT. FLOATS HELD.
Rig-Down Equipment	06/20/2013 07:00							
Pre-Convoy Safety Meeting	06/20/2013 07:55							
Crew Leave Location	06/20/2013 08:00							THANK YOU FOR CHOOSING HALLIBURTON CEMENTING OF GRAND JUNCTION, COLORADO ANTHONY ANDREWS AND CREW

WPX - PA 21-11

9 5/8" SURFACE



Local Event Log											
Intersection		SPPP	Intersection	SPPP	Intersection	SPPP					
1	START JOB	05:51:12	2.000	2	TEST LINES	05:53:27	83.08	3	PUMP SPACER	05:58:44	11.18
4	PUMP TAIL CEMENT	06:06:52	111.2	5	SHUTDOWN	06:21:51	56.13	6	DROP PLUG	06:22:57	3.000
7	PUMP DISPLACEMENT	06:23:30	4.644	8	SLOW RATE	06:33:56	240.4	9	BUMP PLUG	06:37:42	759.8
10	CHECK FLOATS	06:39:24	159.5	11	END JOB	06:40:28	0.000				

Customer: WPX	Job Date: 20-Jun-2013	Sales Order #: 900526370
Well Description: PA 21-11	Job Type: SURFACE	ADC Used: YES
Company Rep: MIKE BRUNK	Cement Supervisor: ANTHONY ANDREWS	Elite #7: ADAM ANDERSON

OptiCem v6.4.10
20-Jun-13 07:15

Sales Order #: 900526370	Line Item: 10	Survey Conducted Date: 6/20/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: MIKE BRUNK		API / UWI: (leave blank if unknown) AFEY0MSHGFKAG0PRAAA
Well Name: PA		Well Number: 21-11
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	6/20/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	ANTHONY ANDREWS (HAM3833)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	MIKE BRUNK
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 #: 900526370	Line Item: 10	Survey Conducted Date: 6/20/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: MIKE BRUNK		API / UWI: (leave blank if unknown) AFEY0MSHGFKAG0PRAAA
Well Name: PA		Well Number: 21-11
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	6/20/2013
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

Sales Order #: 900526370	Line Item: 10	Survey Conducted Date: 6/20/2013
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Customer Representative: MIKE BRUNK		API / UWI: (leave blank if unknown) AFEY0MSHGFKAG0PRAAA
Well Name: PA		Well Number: 21-11
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	90
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	90
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