
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 511-11
RULISON
Garfield County , Colorado**

Cement Surface Casing
28-Mar-2013

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2989285	Quote #:	Sales Order #: 900324015
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Duniho, Al	
Well Name: PA		Well #: 511-11	API/UWI #:
Field: RULISON	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Contractor: Cylcone 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: KUKUS, CHRISTOPHER	MBU ID Emp #: 413952

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
GOWEN, WESLEY M	7.5	496205	KUKUS, CHRISTOPHER A	7.5	413952	ROSE, BENJAMIN Keith	7.5	487022

Equipment

HES Unit #	Distance-1 way						
10567589C	50 mile	10784064	50 mile	11006314	50 mile	11583931	50 mile
11808829	50 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
03/28/2013	7.5	3						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Date	Time	Time Zone
Formation Depth (MD) Top Bottom	Called Out	28 - Mar - 2013	03:30 MST
Form Type BHST	On Location	28 - Mar - 2013	07:00 MST
Job depth MD 1028.5 ft Job Depth TVD 1028.5 ft	Job Started	28 - Mar - 2013	12:24 MST
Water Depth Wk Ht Above Floor 5. ft	Job Completed	28 - Mar - 2013	13:18 MST
Perforation Depth (MD) From To	Departed Loc	28 - Mar - 2013	14:30 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
OPEN HOLE				12.25				.	1045.		
SURFACE CASING	New		9.625	9.001	32.3		I-80	.	1028.5		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9 5/8	1	HES
Float Shoe 9 5/8 1				1028.46	Bridge Plug					Bottom Plug			
Float Collar 9 5/8 1				981.81	Retainer					SSR plug set			
Insert Float										Plug Container	9 5/8	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	8.33	.0	.0	4		
2	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	110.0	sacks	12.3	2.38	13.75	6	13.75	
13.75 Gal		FRESH WATER								
3	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	6	11.75	
11.75 Gal		FRESH WATER								
4	Fresh Water Displacement		77.30	bbl	8.33	.0	.0	10		
Calculated Values			Pressures			Volumes				
Displacement	77.3	Shut In: Instant		Lost Returns	0	Cement Slurry	106.7	Pad		
Top Of Cement	SURFACE	5 Min		Cement Returns	20	Actual Displacement	77.3	Treatment		
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	204	
Rates										
Circulating		Mixing	6	Displacement	10	Avg. Job	7			
Cement Left In Pipe	Amount	46.6 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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Well Name: PA		Well #: 511-11	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: KUKUS, CHRISTOPHER	MBU ID Emp #: 413952

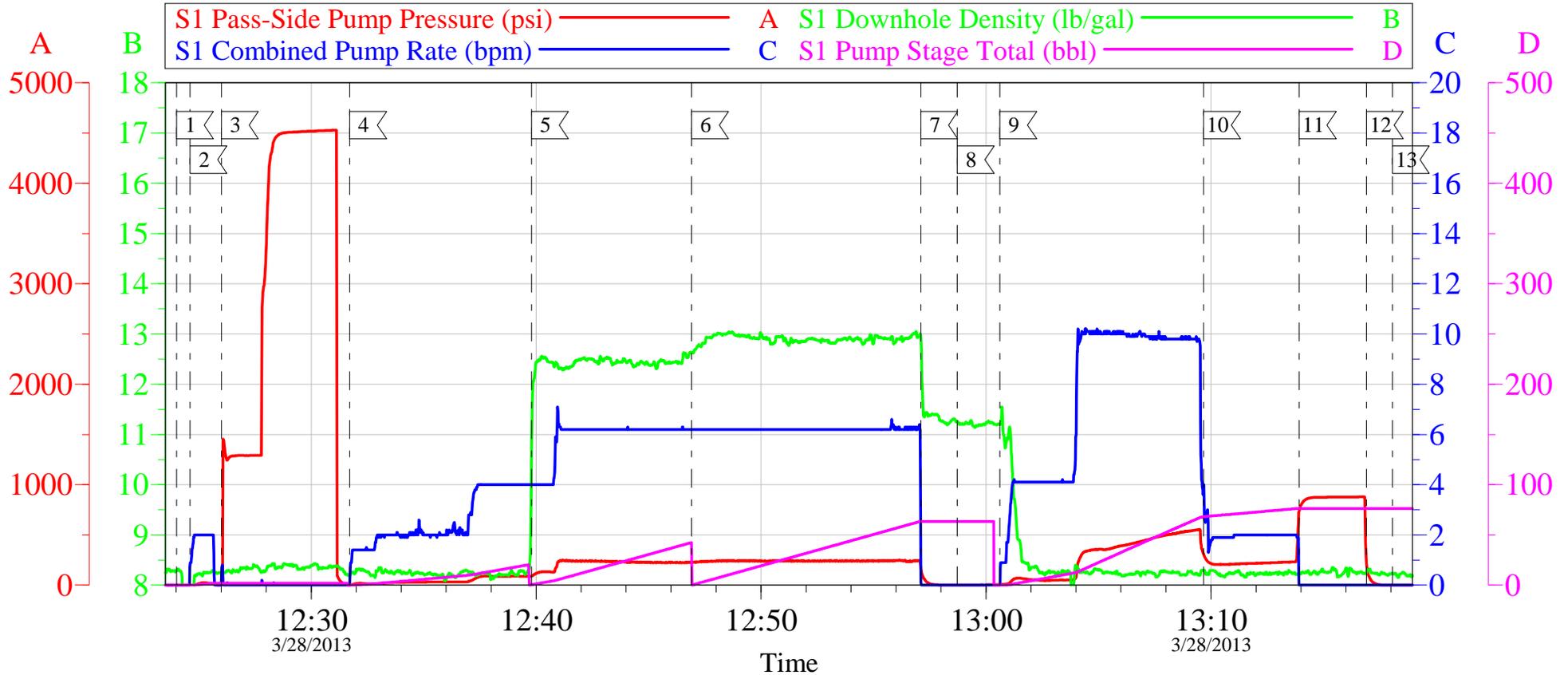
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/28/2013 03:30							ELITE # 3
Depart Yard Safety Meeting	03/28/2013 05:30							ALL HES EMPLOYEES
Arrive At Loc	03/28/2013 07:00							RIG PULLING DRILL PIPE HES CREW ARRIVED 30 MINS EARLY AND WAS ASKED TO SPOT EQUIPMENT AND RIG UIP PER CO REP REQUEST
Assessment Of Location Safety Meeting	03/28/2013 07:10							ALL HES EMPLOYEES
Pre-Rig Up Safety Meeting	03/28/2013 07:20							ALL HES EMPLOYEES
Rig-Up Equipment	03/28/2013 07:30							1 F-550 PICKUP 1 HT-400 PUMP TRUCK 1 660 BULK TRUCK IRON TO STAND PIPE, SUCTION HOSE TO FRESH WATER SOURCE, BULK HOSE TO BULK TRUCK
Pre-Job Safety Meeting	03/28/2013 12:15							ALL HES EMPLOYEES AND RIG CREW
Start Job	03/28/2013 12:24							TD: 1045 TP: 1028.46 SJ: 46.65 CSG: 9 5/8 32.3# OH: 13 1/2 MUD WT 10.4 VISC: 50 RIG TO CIRCULATE 1 HOUR BEFORE CEMENT JOB
Test Lines	03/28/2013 12:26					4515.0		PRESSURE TEST OK

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer	03/28/2013 12:31		4	10	10		88.0	FRESH WATER SPACER
Pump Lead Cement	03/28/2013 12:39		6	46.6	46.6		230.0	110 SKS 12.3 PPG 2.38 YEILD 13.75 GAL / SK LEAD CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGH OUT LEAD CEMENT
Pump Tail Cement	03/28/2013 12:46		6	60.1	60.1		243.0	160 SKS 12.8 PPG 2.11 YEILD 11.75 GAL / SK TAIL CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGH OUT TAIL CEMENT
Shutdown	03/28/2013 12:57							SHUTDOWN AT END OF CEMENT / READY TUB FOR DISPLACEMENT
Drop Plug	03/28/2013 12:58							PLUG AWAY NO PROBLEMS
Pump Displacement	03/28/2013 13:00		10	67.3	67.3		553.0	FRESH WATER DISPLACEMENT HES WASH UP ON TOP OF PLUG PER CO-REP REQUEST
Slow Rate	03/28/2013 13:09		2	10	10		209.0	SLOW RATE TO BUMP PLUG
Bump Plug	03/28/2013 13:13		2	77.3	77.3		239.0	BUMP PLUG @ 239 AND TOOK PRESSURE UP TO 877 PSI
Check Floats	03/28/2013 13:16							FLOATS HELD .5 BBL BACK TO DISPLACEMENT TANKS
End Job	03/28/2013 13:18							WELL HAD GOOD CIRCULATION THROUGH OUT CEMENT JOB GOT 20 BBLS OF CEMENT TO SURFACE RIG USED 40LBS OF SUGAR TICKET CHANGE: NO ADD HOURS, NO DERRICK CHARGE, SUGAR TO 40 LBS
Pre-Rig Down Safety Meeting	03/28/2013 13:30							ALL HES EMPLOYEES

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Rig-Down Equipment	03/28/2013 13:40							RIG FLOOR, IRON FROM STAND PIPE, SUCTION HOSE, BULK HOSE, WASH UP & BLOW DOWN PUMP
Pre-Convoy Safety Meeting	03/28/2013 14:20							ALL HES EMPLOYEES
Crew Leave Location	03/28/2013 14:30							THANKS FOR USING HALLIBURTON CEMENT CHRIS KUKUS AND CREW

WPX ENERGY / PA 511-11

9 5/8 SURFACE

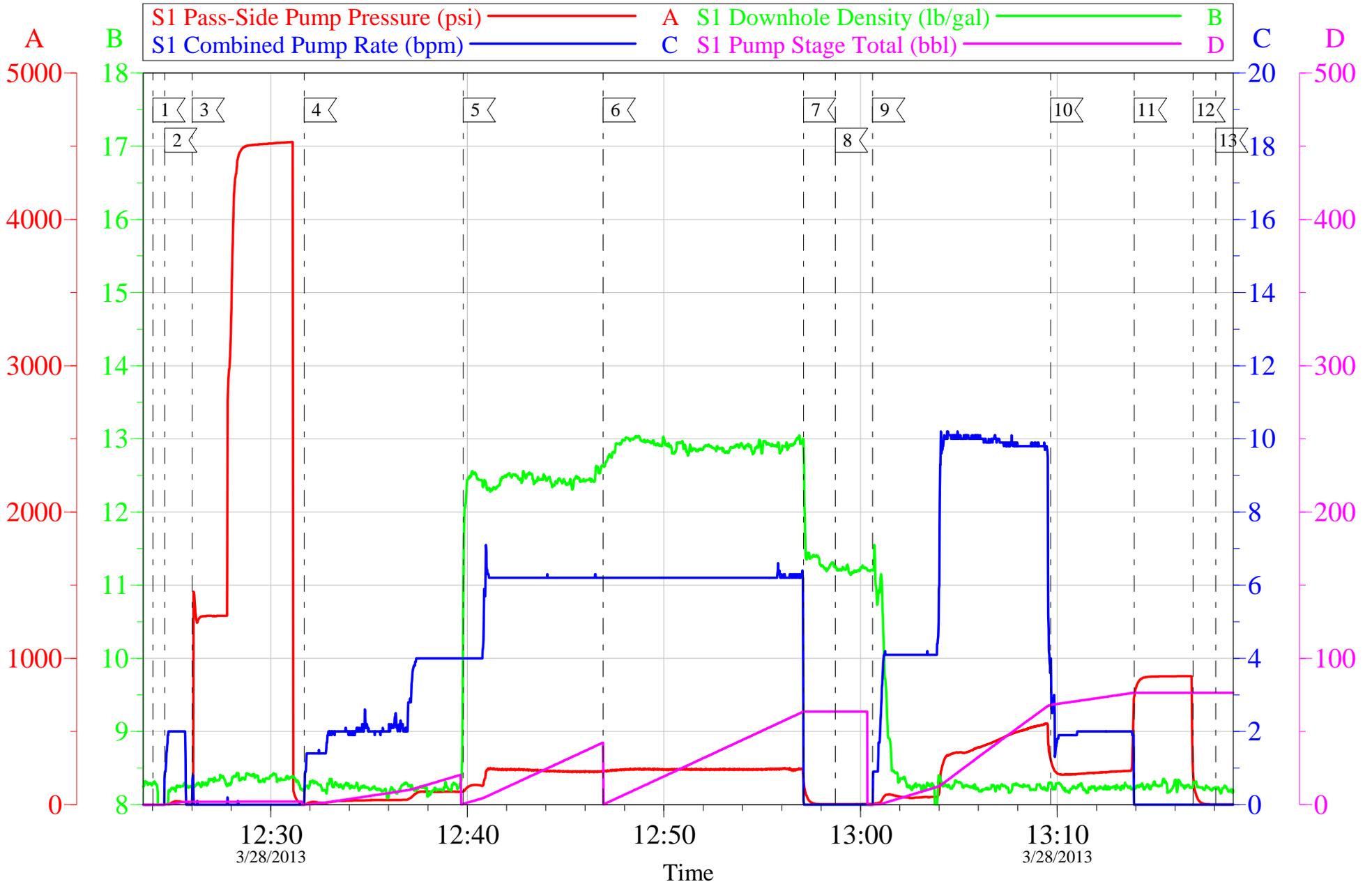


Local Event Log					
1	START JOB	12:24:01	2	FILL LINES	12:24:37
3	TEST LINES	12:26:01	4	PUMP FRESH WATER SPACER	12:31:43
5	PUMP LEAD CEMENT	12:39:48	6	PUMP TAIL CEMENT	12:46:55
7	SHUTDOWN	12:57:06	8	DROP PLUG	12:58:43
9	PUMP FRESH WATER DISPLACEMENT	13:00:37	10	SLOW RATE	13:09:41
11	BUMP PLUG	13:13:56	12	CHECK FLOATS	13:16:55
13	END JOB	13:18:04			

Customer: WPX ENERGY	Job Date: 28-Mar-2013	Sales Order #: 900324015
Well Description: PA 511-11	Job Type: SURFACE	ADC Used: YES
Company Rep: AL DUNIHO	Cement Supervisor: CHRIS KUKUS	Elite # 3: WESLEY GOWEN

WPX ENERGY / PA 511-11

9 5/8 SURFACE



Customer: WPX ENERGY	Job Date: 28-Mar-2013	Sales Order #: 900324015
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Company Rep: AL DUNIHO	Cement Supervisor: CHRIS KUKUS	Elite # 3: WESLEY GOWEN

HALLIBURTON

Water Analysis Report

Company: WPX

Date: 3/28/2013

Submitted by: CHRIS KUKUS

Date Rec.: 3/28/2013

Attention: J. TROUT/C.MARTINEZ

S.O.# 900324015

Lease PA

Job Type: SURFACE

Well # 511-11

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	0 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		370 Mg / L

Respectfully: CHRIS KUKUS

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 #: 900324015	Line Item: 10	Survey Conducted Date: 3/28/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUIHOO		API / UWI: (leave blank if unknown) AFEYS2NTBHKT0FLPAAA
Well Name: PA		Well Number: 511-11
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	3/28/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CHRISTOPHER KUKUS (HX35027)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	AL DUIHOO
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 #: 900324015	Line Item: 10	Survey Conducted Date: 3/28/2013
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Customer Representative: AL DUIHOO		API / UWI: (leave blank if unknown) AFEYS2NTBHKT0FLPAAA
Well Name: PA		Well Number: 511-11
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	3/28/2013
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)	1.5
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

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Customer Representative: AL DUIHOO		API / UWI: (leave blank if unknown) AFEYS2NTBHKT0FLPAAA
Well Name: PA		Well Number: 511-11
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