
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**KP 43-21
MAMM CREEK
Garfield County , Colorado**

Cement Surface Casing
18-Mar-2012

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2904877	Quote #:	Sales Order #: 9360878
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Duniho, Al	
Well Name: KP		Well #: 43-21	API/UWI #:
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Contractor: NABORS		Rig/Platform Name/Num: NABORS 573	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: SCOTT, KYLE		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 #
BATH, KYLE Thomas	7	477632	CASTILLO, FRANCISCO P	7	513620	ROMKEE, DALE Alan	7	488215
SLAUGHTER, JESSE Dean	7	454315						

Equipment

HES Unit #	Distance-1 way						
10616651C	60 mile	10744549	60 mile	10867094	60 mile	10897925	60 mile
10995027	60 mile	11057893	60 mile	11583933	60 mile	11808827	60 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
03-18-2012	7	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	17 - Mar - 2012	19:00	MST
Form Type		BHST	Job Started	18 - Mar - 2012	00:00	MST
Job depth MD	1483. ft	Job Depth TVD	1483. ft	Job Completed	18 - Mar - 2012	05:39
Water Depth		Wk Ht Above Floor	7. ft	Departed Loc	18 - Mar - 2012	07:00
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
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	Fresh Water	FRESH WATER	20.00	bbl	8.33	.0	.0	4	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	235.0	sacks	12.3	2.38	13.75	8	13.75
	13.75 Gal	FRESH WATER							
3	Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	8	11.75
	11.75 Gal	FRESH WATER							
4	Displacement Fluid	FRESH WATER	113.2	bbl	8.33	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	113.2	Shut In: Instant		Lost Returns	NO	Cement Slurry	160	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	30	Actual Displacement	113.2	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	293
Rates									
Circulating		Mixing	8	Displacement	10	Avg. Job	9		
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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Well Name: KP		Well #: 43-21	API/UWI #:
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: NABORS		Rig/Platform Name/Num: NABORS 573	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: SCOTT, KYLE		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	03/17/2012 19:00							TD 1500 FT, TP 1483 FT, SHOE 44.05 FT, CSG 9 5/8 IN 32.3 LB/FT, HOLE 13 1/2 IN, MUD WT 9.9 PPG
Pre-Convoy Safety Meeting	03/17/2012 21:50							WITH ALL HES PERSONNEL
Crew Leave Yard	03/17/2012 22:00							
Arrive At Loc	03/18/2012 00:00							RIG WAS RUNNING CASING UPON HES ARRIVAL
Assessment Of Location Safety Meeting	03/18/2012 03:30							WITH ALL HES PERSONNEL
Other	03/18/2012 03:40							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	03/18/2012 03:50							WITH ALL HES PERSONNEL
Rig-Up Equipment	03/18/2012 04:00							
Pre-Job Safety Meeting	03/18/2012 04:30							WITH ALL PERSONNEL ON LOCATION
Start Job	03/18/2012 04:37							
Other	03/18/2012 04:38		2	2			57.0	FILL LINES WITH FRESH WATER
Test Lines	03/18/2012 04:39							TESTED LINES TO 3259 PSI PRESSURE HOLDING
Pump Spacer 1	03/18/2012 04:44		4	20			151.0	FRESH WATER
Pump Lead Cement	03/18/2012 04:53		8	99.6			330.0	235 SKS AT 12.3 PPG 2.38FT3/SK, 13.75 GAL/SK
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

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Quote # :

Sales Order # : 9360878

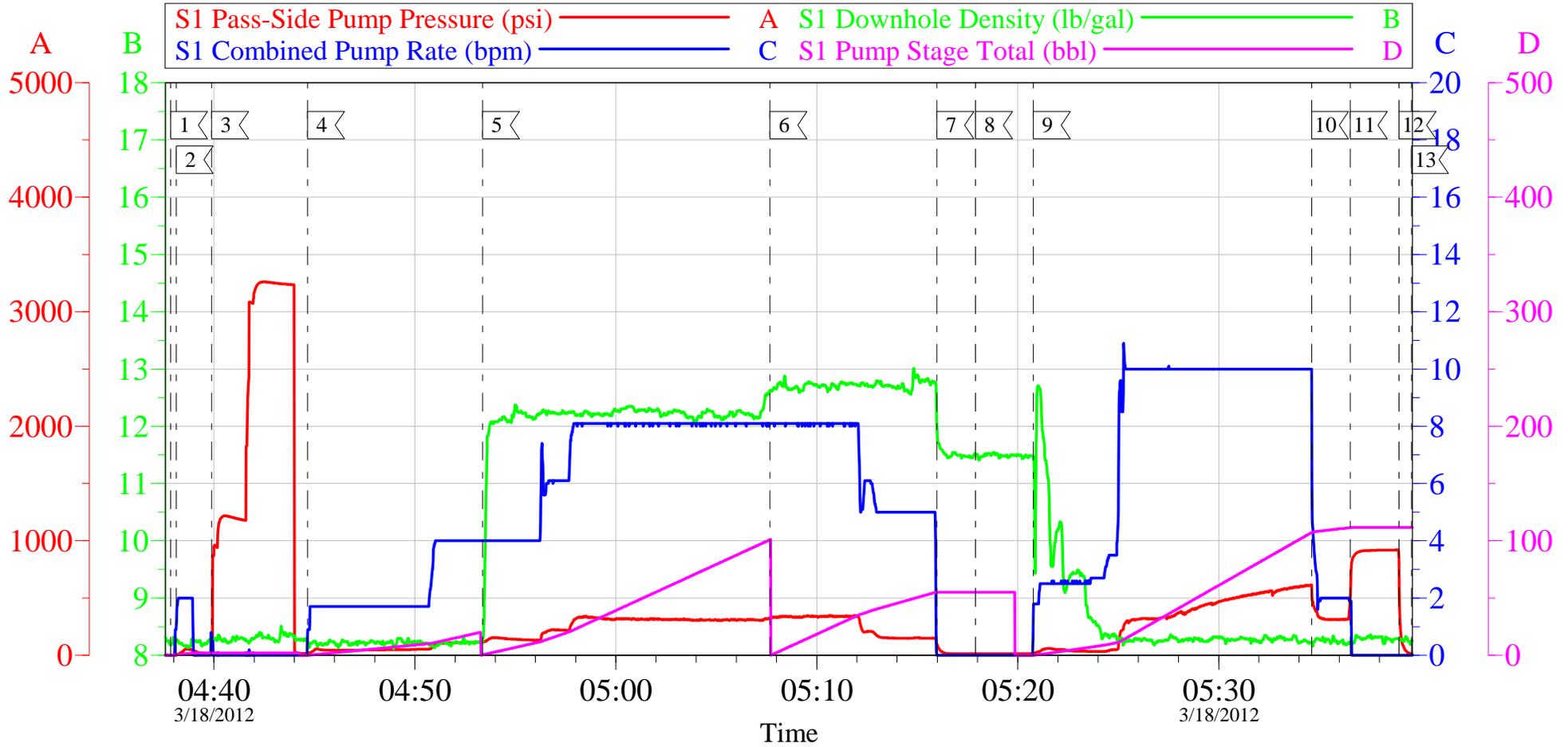
SUMMIT Version: 7.3.0021

Sunday, March 18, 2012 06:15:00

		#		Stage	Total	Tubing	Casing	
Pump Tail Cement	03/18/2012 05:07		8	60.1			348.0	160 SKS AT 12.8 PPG, 2.11 FT3/SK, 11.75 GAL/SK
Shutdown	03/18/2012 05:15							
Drop Top Plug	03/18/2012 05:17							PLUG LAUNCHED
Pump Displacement	03/18/2012 05:20		10	103.2			616.0	FRESH WATER
Slow Rate	03/18/2012 05:34		2	10			325.0	SLOW RATE 10 BBLs PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	03/18/2012 05:36		2		113.2		920.0	PLUG BUMPED
Check Floats	03/18/2012 05:38							FLOATS HOLDING. HES RETURNED 1/2 BBL H2O TO PUMP
End Job	03/18/2012 05:39							PIPE WAS STATIC DURING JOB, GOOD CIRCULATION THROUGHOUT JOB. HES RETURNED 30 BBL CEMENT TO SURFACE
Pre-Rig Down Safety Meeting	03/18/2012 05:45							WITH ALL HES PERSONNEL
Rig-Down Equipment	03/18/2012 05:50							
Pre-Convoy Safety Meeting	03/18/2012 06:50							WITH ALL HES PERSONNEL
Crew Leave Location	03/18/2012 07:00							
Comment	03/18/2012 07:01							THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JESSE SLAUGHTER AND CREW.

WILLIAMS KP 43-21

9 5/8 SURFACE

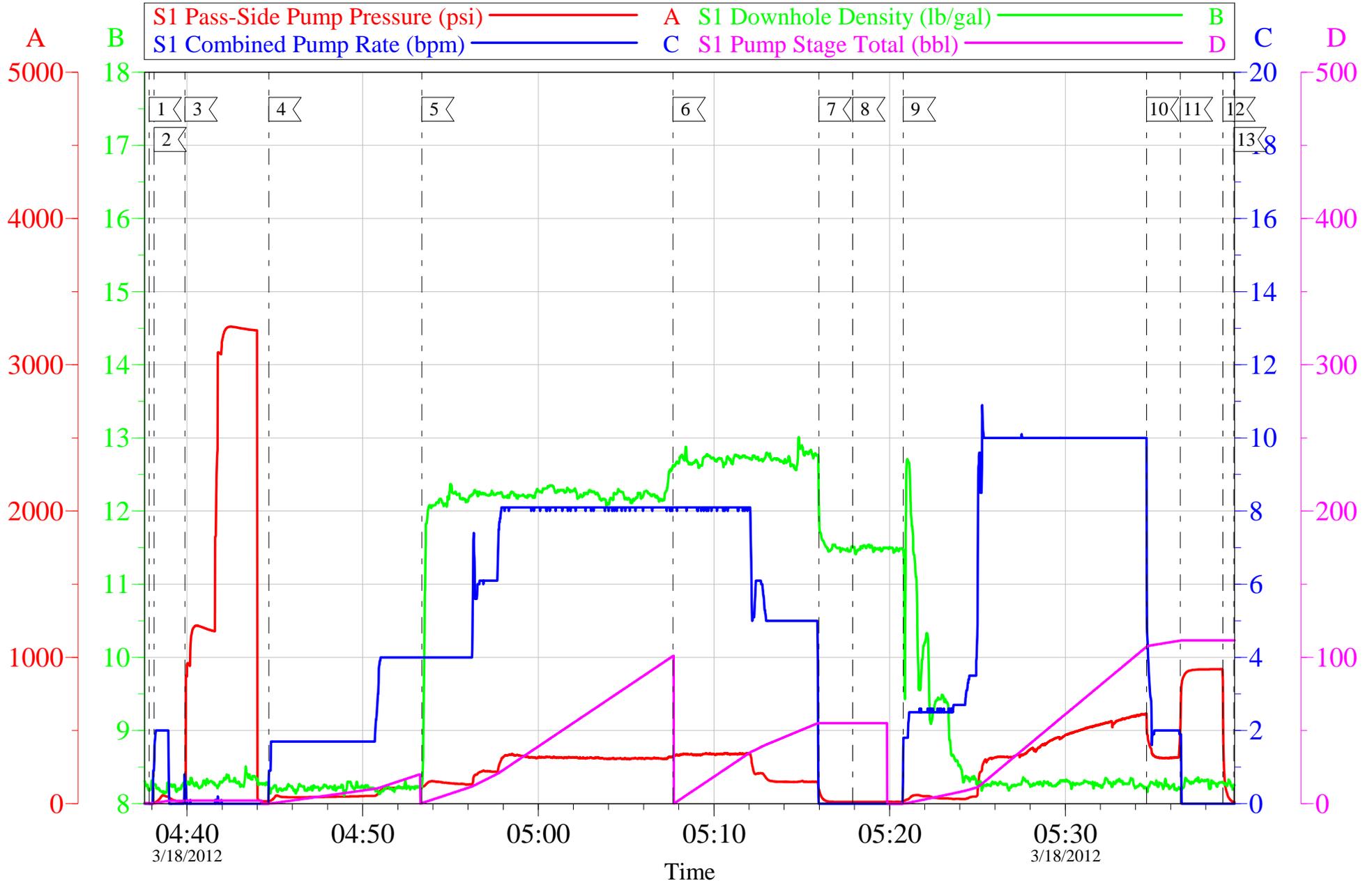


Local Event Log			
1 START JOB	04:37:51	2 PRIME LINES	04:38:08
3 TEST LINES	04:39:53	4 PUMP H2O SPACER	04:44:40
5 PUMP LEAD CEMENT	04:53:22	6 PUMP TAIL CEMENT	05:07:40
7 SHUTDOWN	05:15:59	8 DROP TOP PLUG	05:17:54
9 PUMP DISPLACEMENT	05:20:47	10 SLOW RATE	05:34:37
11 BUMP PLUG	05:36:33	12 CHECK FLOATS	05:38:58
13 END JOB	05:39:36		

Customer: WILLIAMS	Job Date: 18-Mar-2012	Sales Order #: 9360878
Well Description: KP 43-21	Job Type: SURFACE	ADC Used: YES
Customer Rep: AL DUNIHO	Cement Supervisor: JESSE SLAUGHTER	Elite #4: KYLE BATH

WILLIAMS KP 43-21

9 5/8 SURFACE



Customer: WILLIAMS	Job Date: 18-Mar-2012	Sales Order #: 9360878
Well Description: KP 43-21	Job Type: SURFACE	ADC Used: YES
Customer Rep: AL DUNIHO	Cement Supervisor: JESSE SLAUGHTER	Elite #4: KYLE BATH

HALLIBURTON

Water Analysis Report

Company: WILLIAMS PRODUCTION

Date: 3/18/2012

Submitted by: JESSE SLAUGHTER

Date Rec.: _____

Attention: LAB

S.O.# 9360878

Lease KP

Job Type: SURFACE

Well # 43-21

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>	55 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 #: 9360878	Line Item: 10	Survey Conducted Date: 3/18/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) AFEYCYDGY4JB1CGCAA
Well Name: KP		Well Number: 43-21
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	3/18/2012
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	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

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Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) AFEYCYDGY4JB1CGCAA
Well Name: KP		Well Number: 43-21
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	3/18/2012
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)	1.5
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

Sales Order #: 9360878	Line Item: 10	Survey Conducted Date: 3/18/2012
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Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) AFEYCYDGY4JB1CGCAA
Well Name: KP		Well Number: 43-21
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