
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**KP 444-8
KOKOPELLI
Garfield County , Colorado**

Cement Surface Casing
03-Oct-2012

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 2951029		Quote #:		Sales Order #: 9811649	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Hudson, Matt			
Well Name: KP			Well #: 444-8			API/UWI #: 05-045-21199	
Field: KOKOPELLI		City (SAP): SILT		County/Parish: Garfield		State: Colorado	
Lat: N 39.533 deg. OR N 39 deg. 32 min. 0.244 secs.				Long: W 107.567 deg. OR W -108 deg. 25 min. 59.43 secs.			
Contractor: NABORS 574			Rig/Platform Name/Num: NABORS 574				
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	487782	DOUT, JACOB J	7	430298	HYDE, DUSTIN C	7	453940
SLAUGHTER, JESSE Dean	7	454315						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10867425	60 mile	10872429	60 mile	10897891	60 mile	11021972	60 mile
11027039	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
10-3-2012	7	3						

TOTAL	Total is the sum of each column separately							
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Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	02 - Oct - 2012	22:00	MST
Form Type	BHST		Job Started	03 - Oct - 2012	02:00	MST
Job depth MD	1400.3 ft	Job Depth TVD	1400.3 ft	Job Completed	03 - Oct - 2012	06:27
Water Depth		Wk Ht Above Floor	5. ft	Job Completed	03 - Oct - 2012	07:37
Perforation Depth (MD)	From	To	Departed Loc	03 - Oct - 2012	09:00	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
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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 ft3/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 lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Spacer	FRESH WATER	20.00	bbl	.	.0	.0	4		
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	210.0	sacks	12.3	2.38	13.75	7	13.75	
3	Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	7	11.75	
4	Displacement	FRESH WATER	106.5	bbl	.	.0	.0	10		
Calculated Values		Pressures		Volumes						
Displacement	106.5	Shut In: Instant		Lost Returns	NO	Cement Slurry	149	Pad		
Top Of Cement	SURFACE	5 Min		Cement Returns	35	Actual Displacement	106.5	Treatment		
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	276	
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						

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Legal Description:							
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Contractor: NABORS 574			Rig/Platform Name/Num: NABORS 574				
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	10/02/2012 22:00							TD 1420 FT, TP 1400.3 FT, SHOE 46.78 FT, CSG 9 5/8 IN 32.3 LB/FT, HOLE 13 1/2 IN, MUD WT 9.3 PPG
Pre-Convoy Safety Meeting	10/02/2012 23:50							WITH ALL HES PERSONNEL
Crew Leave Yard	10/03/2012 00:00							
Arrive At Loc	10/03/2012 02:00							RIG WAS PULLING DRILL PIPE UPON HES ARRIVAL
Assessment Of Location Safety Meeting	10/03/2012 04:30							WITH ALL HES PERSONNEL
Other	10/03/2012 04:40							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	10/03/2012 04:50							WITH ALL HES PERSONNEL
Rig-Up Equipment	10/03/2012 05:00							
Pre-Job Safety Meeting	10/03/2012 06:00							WITH ALL PERSONNEL ON LOCATION
Start Job	10/03/2012 06:27							
Other	10/03/2012 06:27		2	2			53.0	FILL LINES WITH FRESH WATER
Test Lines	10/03/2012 06:29							TESTED LINES TO 3255 PSI PRESSURE HOLDING
Pump Spacer 1	10/03/2012 06:36		4	20			115.0	FRESH WATER
Pump Lead Cement	10/03/2012 06:45		7	89			236.0	210 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 # :2951029

Quote # :

Sales Order # :

9811649

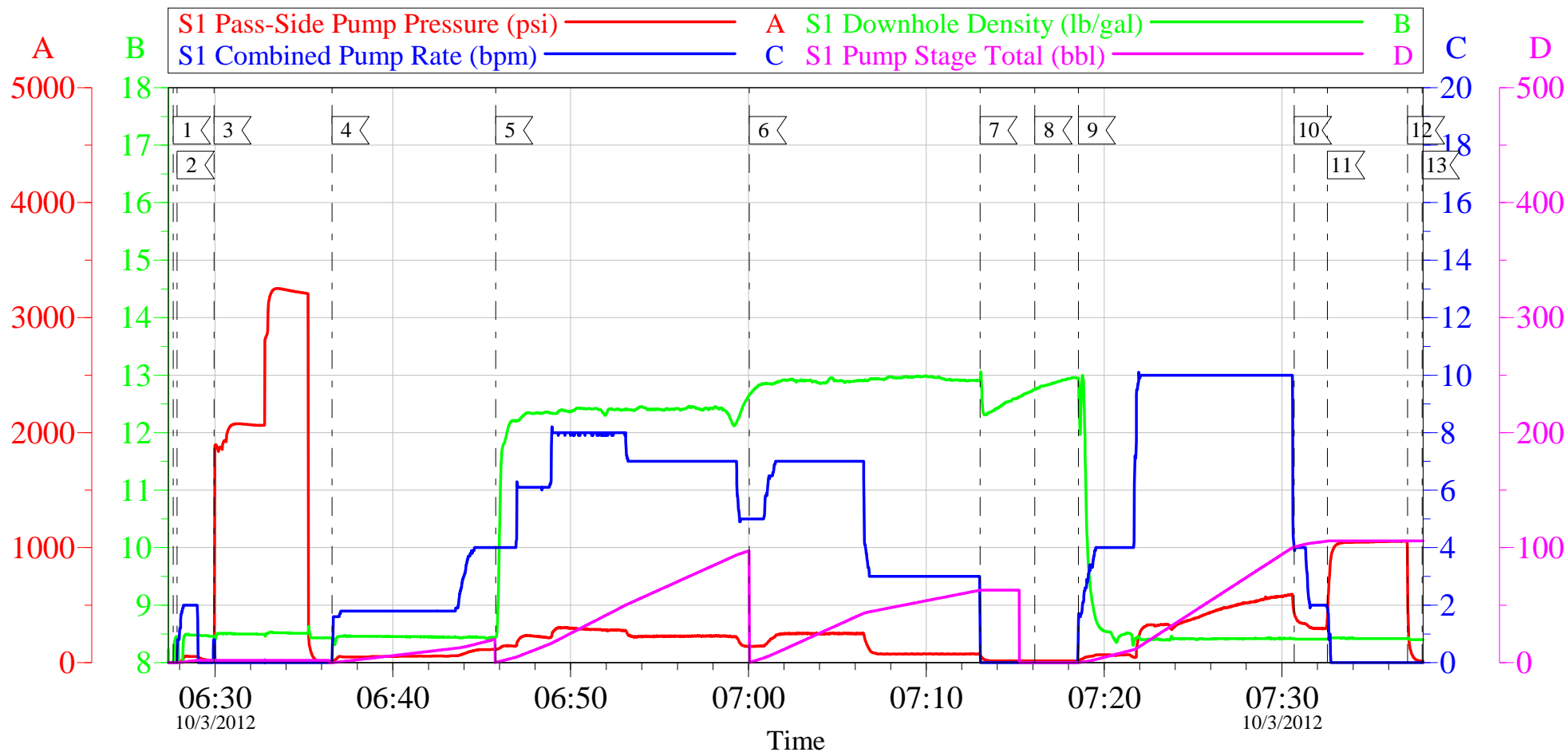
SUMMIT Version: 7.3.0040

Saturday, October 06, 2012 09:50:00

		#		Stage	Total	Tubing	Casing	
Pump Tail Cement	10/03/2012 07:00		7	60.1			250.0	160 SKS AT 12.8 PPG, 2.11 FT3/SK, 11.75 GAL/SK
Shutdown	10/03/2012 07:13							
Drop Top Plug	10/03/2012 07:16							PLUG LAUNCHED
Pump Displacement	10/03/2012 07:18		10	96.5			580.0	FRESH WATER
Slow Rate	10/03/2012 07:30		2	10			298.0	SLOW RATE 10 BBLs PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	10/03/2012 07:32		2		106.5		1050.0	PLUG BUMPED
Check Floats	10/03/2012 07:37							FLOATS HOLDING. HES RETURNED 1/2 BBL H2O TO PUMP
End Job	10/03/2012 07:37							GOOD CIRCULATION THROUGHOUT JOB, PIPE WAS STATIC DURING JOB, HES RETURNED 35 BBL CEMENT TO SURFACE. HES USED 70 LB SUGAR FOR JOB.
Pre-Rig Down Safety Meeting	10/03/2012 07:40							WITH ALL HES PERSONNEL
Rig-Down Equipment	10/03/2012 07:45							
Pre-Convoy Safety Meeting	10/03/2012 08:50							WITH ALL HES PERSONNEL
Crew Leave Location	10/03/2012 09:00							
Comment	10/03/2012 09:01							THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JESSE SLAUGHTER AND CREW.

WPX KP 444-8

9 5/8 SURFACE



Local Event Log

1 START JOB	06:27:39	2 PRIME LINES	06:27:52	3 TEST LINES	06:29:56
4 PUMP H2O SPACER	06:36:35	5 PUMP LEAD CEMENT	06:45:47	6 PUMP TAIL CEMENT	07:00:03
7 SHUTDOWN	07:13:02	8 DROP TOP PLUG	07:16:07	9 PUMP DISPLACEMENT	07:18:33
10 SLOW RATE	07:30:42	11 BUMP PLUG	07:32:34	12 CHECK FLOATS	07:37:04
13 END JOB	07:37:54				

Customer: WPX
Well Description: KP 444-8
Customer Rep: MATT HUDSON

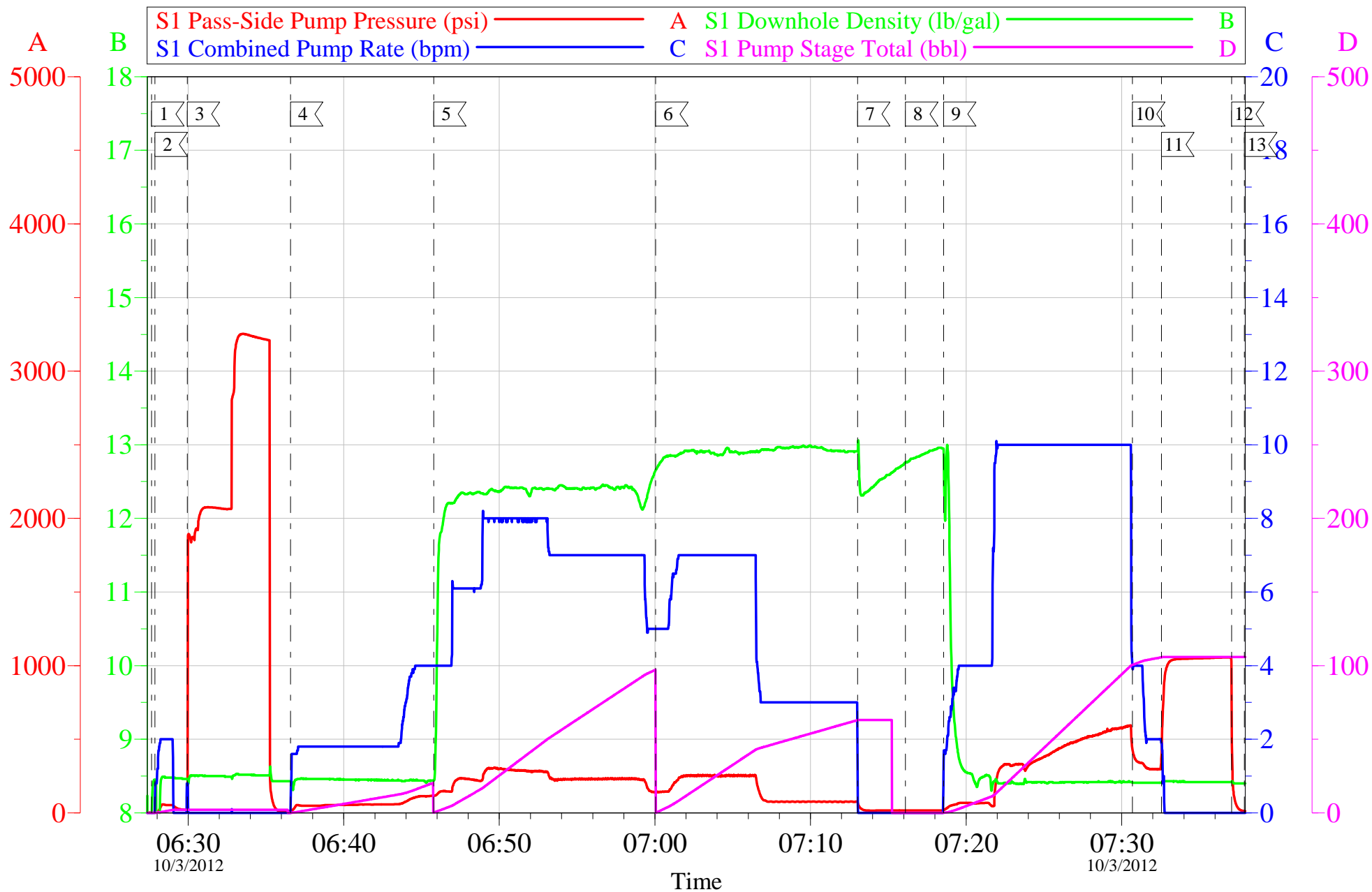
Job Date: 03-Oct-2012
Job Type: SURFACE
Cement Supervisor: JESSE SLAUGHTER

Sales Order #: 9811649
ADC Used: YES
Elite #7: DUSTIN HYDE

OptiCem v6.4.10
03-Oct-12 07:49

WPX KP 444-8

9 5/8 SURFACE



Customer: WPX	Job Date: 03-Oct-2012	Sales Order #: 9811649
Well Description: KP 444-8	Job Type: SURFACE	ADC Used: YES
Customer Rep: MATT HUDSON	Cement Supervisor: JESSE SLAUGHTER	Elite #7: DUSTIN HYDE

HALLIBURTON

Water Analysis Report

Company: WILLIAMS PRODUCTION

Submitted by: JESSE SLAUGHTER

Attention: LAB

Lease KP

Well # 444-8

Date: 10/3/2012

Date Rec.:

S.O.# 9811649

Job Type: SURFACE

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 #: 9811649	Line Item: 10	Survey Conducted Date: 10/3/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: MATT HUDSON		API / UWI: (leave blank if unknown) 05-045-21199
Well Name: KP		Well Number: 444-8
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	10/3/2012
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	MATT HUDSON
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

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Customer Representative: MATT HUDSON		API / UWI: (leave blank if unknown) 05-045-21199
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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 The date the survey was conducted	10/3/2012

Cementing KPI Survey	
Type of Job Select the type of job. (Cementing or Non-Cementing)	0
Select the Maximum Deviation range for this Job What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	3
HSE Incident, Accident, Injury HSE Incident, Accident, Injury. This should be recordable incidents only.	No
Was the job purpose achieved? Was the job delivered correctly as per customer agreed design?	Yes
Operating Hours (Pumping Hours) Total number of hours pumping fluid on this job. Enter in decimal format.	1
Customer Non-Productive Rig Time (hrs) 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.	0
Type of Rig Classification Job Was Performed Type Of Rig (classification) Job Was Performed On	Drilling Rig (Portable)
Number Of JSAs Performed Number Of Jsas Performed	6
Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time.	0
Was this a Primary Cement Job (Yes / No)	Yes

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Well Name: KP		Well Number: 444-8
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	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	95
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