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**WPX ENERGY ROCKY MOUNTAIN LLC-EBUS**

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**SG 543-23  
GRAND VALLEY  
Garfield County , Colorado**

**Cement Surface Casing**  
**22-Feb-2013**

**Post Job Report**

## The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2978531	Quote #:	Sales Order #: 900190440
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: Moore, Frank		
Well Name: SG	Well #: 543-23	API/UWI #: 05-045-21692	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.419 deg. OR N 39 deg. 25 min. 8.54 secs.	Long: W 108.07 deg. OR W -109 deg. 55 min. 46.391 secs.		
Contractor: CYCLONE 17	Rig/Platform Name/Num: CYCLONE 17		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: MAYO, MARK	Srv 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	0.0	496205	GRAGERT, JEFFREY Robert	0.0	528091	KUKUS, CHRISTOPHER A	0.0	413952

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10296152C	60 mile	11021972	60 mile	11027039	60 mile	11583931	60 mile
11808849	60 mile						

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
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	21 - Feb - 2013	22:45	MST
Form Type		BHST		On Location	22 - Feb - 2013	02:00	MST
Job depth MD	1029. ft	Job Depth TVD	1029. ft	Job Started	22 - Feb - 2013	06:25	MST
Water Depth		Wk Ht Above Floor	5. ft	Job Completed	22 - Feb - 2013	07:20	MST
Perforation Depth (MD)	From		To	Departed Loc	22 - Feb - 2013	08:30	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
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Sales/Rental/3<sup>rd</sup> 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			
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 <sup>3</sup> /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 <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water Spacer		20.00	bbl	.	.0	.0	.0	
2	Tail Cement	VERSACEM (TM) SYSTEM (452010)	280.0	sacks	12.8	2.11	11.75		11.75
11.75 Gal		FRESH WATER							
3	Fresh Water Displacement		77.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
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					

*The Road to Excellence Starts with Safety*

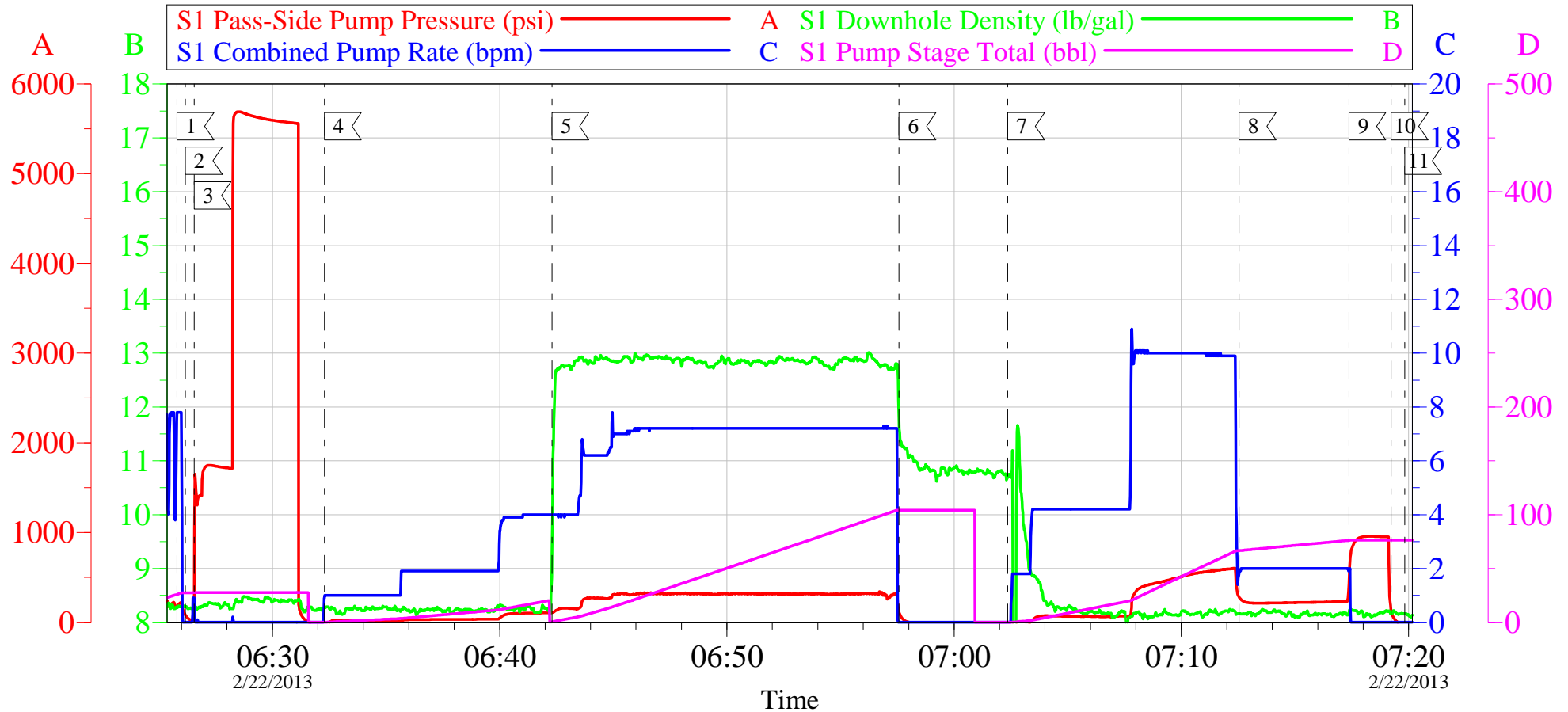
<b>Sold To #:</b> 300721		<b>Ship To #:</b> 2978531		<b>Quote #:</b>		<b>Sales Order #:</b> 900190440	
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				<b>Customer Rep:</b> Moore, Frank			
<b>Well Name:</b> SG			<b>Well #:</b> 543-23			<b>API/UWI #:</b> 05-045-21692	
<b>Field:</b> GRAND VALLEY		<b>City (SAP):</b> PARACHUTE		<b>County/Parish:</b> Garfield		<b>State:</b> Colorado	
<b>Legal Description:</b>							
<b>Lat:</b> N 39.419 deg. OR N 39 deg. 25 min. 8.54 secs.				<b>Long:</b> W 108.07 deg. OR W -109 deg. 55 min. 46.391 secs.			
<b>Contractor:</b> CYCLONE 17			<b>Rig/Platform Name/Num:</b> CYCLONE 17				
<b>Job Purpose:</b> Cement Surface Casing						<b>Ticket Amount:</b>	
<b>Well Type:</b> Development Well			<b>Job Type:</b> Cement Surface Casing				
<b>Sales Person:</b> MAYO, MARK			<b>Srv Supervisor:</b> KUKUS, CHRISTOPHER			<b>MBU ID Emp #:</b> 413952	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	02/21/2013 22:45							ELITE # 9
Depart Yard Safety Meeting	02/22/2013 00:30							ALL HES EMPLOYEES
Arrive At Loc	02/22/2013 02:00							RIG PULLING DRILL PIPE HES CREW ARRIVED 1 HOUR EARLY HES SPOTTED TRUCKS AND RIGGED UP
Assessment Of Location Safety Meeting	02/22/2013 02:15							ALL HES EMPLOYEES
Pre-Rig Up Safety Meeting	02/22/2013 02:20							ALL HES EMPLOYEES
Rig-Up Equipment	02/22/2013 02:30							1 F-550 PICKUP 1 HT-400 PUMP TRUCK 1 660 BULK TRUCK IRON TO STAND PIPE / SUCTION HOSE TO FRESH WATER SUPPLY
Pre-Job Safety Meeting	02/22/2013 06:00							ALL HES EMPLOYEES AND RIG CREW
Start Job	02/22/2013 06:25							TD: 1029 TP: 1025 SJ: 42.29 CSG: 9 5/8 32.3# OH: 13 1/2 MUD WT 9.6 RIG WILL CIRULATE A BOTTOMS UP
Test Lines	02/22/2013 06:26					5690.0		PRESSURE TEST OK
Pump Spacer	02/22/2013 06:32		4	20	20		104.0	FRESH WATER SPACER
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

		#		Stage	Total	Tubing	Casing	
Pump Tail Cement	02/22/2013 06:42		7	105.2	105.2		320.0	280 SKS 12.8 PPG 2.11 YEILD 11.75 GAL / SK TAIL CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGH OUT TAIL CEMENT
Shutdown	02/22/2013 06:57							END OF CEMENT / WASH UP TUB
Drop Plug	02/22/2013 06:58							PLUG AWAY NO PROBLEMS
Pump Displacement	02/22/2013 07:02		10	77.3	77.3		425.0	FRESH WATER DISPLACEMENT HES WASHED UP ON TOP OF PLUG PER CO-REP REQUEST
Slow Rate	02/22/2013 07:12		2	67.3	67.3		213.0	SLOW RATE TO BUMP PLUG
Bump Plug	02/22/2013 07:17		2	77.3	77.3		230.0	BUMP PLUG @ 230 AND TOOK PRESSURE UP TO 954 PSI
Check Floats	02/22/2013 07:19							FLOATS HELD 1 BBL BACK TO DISPLACEMENT TANKS
End Job	02/22/2013 07:20							WELL HAD GOOD CIRCULATION THROUGH OUT CEMENT JOB GOT 20 BBLs OF CEMENT TO SURFACE RIG USED 40 LBS SUGAR TICKET CHANGES: TOOK OFF ADD HOURS , DERRICK CHARGE, SUGAR TO 40LBS
Pre-Rig Down Safety Meeting	02/22/2013 07:30							ALL HES EMPLOYEES
Rig-Down Equipment	02/22/2013 07:45							RIG DOWN FLOOR / WASH UP AND BLOW DOWN PUMP / RACK UP IRON AND WATER HOSES
Pre-Convoy Safety Meeting	02/22/2013 08:20							ALL HES EMPLOYEES
Crew Leave Location	02/22/2013 08:30							THANKS FOR USING HALLIBURTON CEMENT CHRIS KUKUS AND CREW

# WPX ENERGY / SG 543-23

9 5/8 SURFACE



## Local Event Log

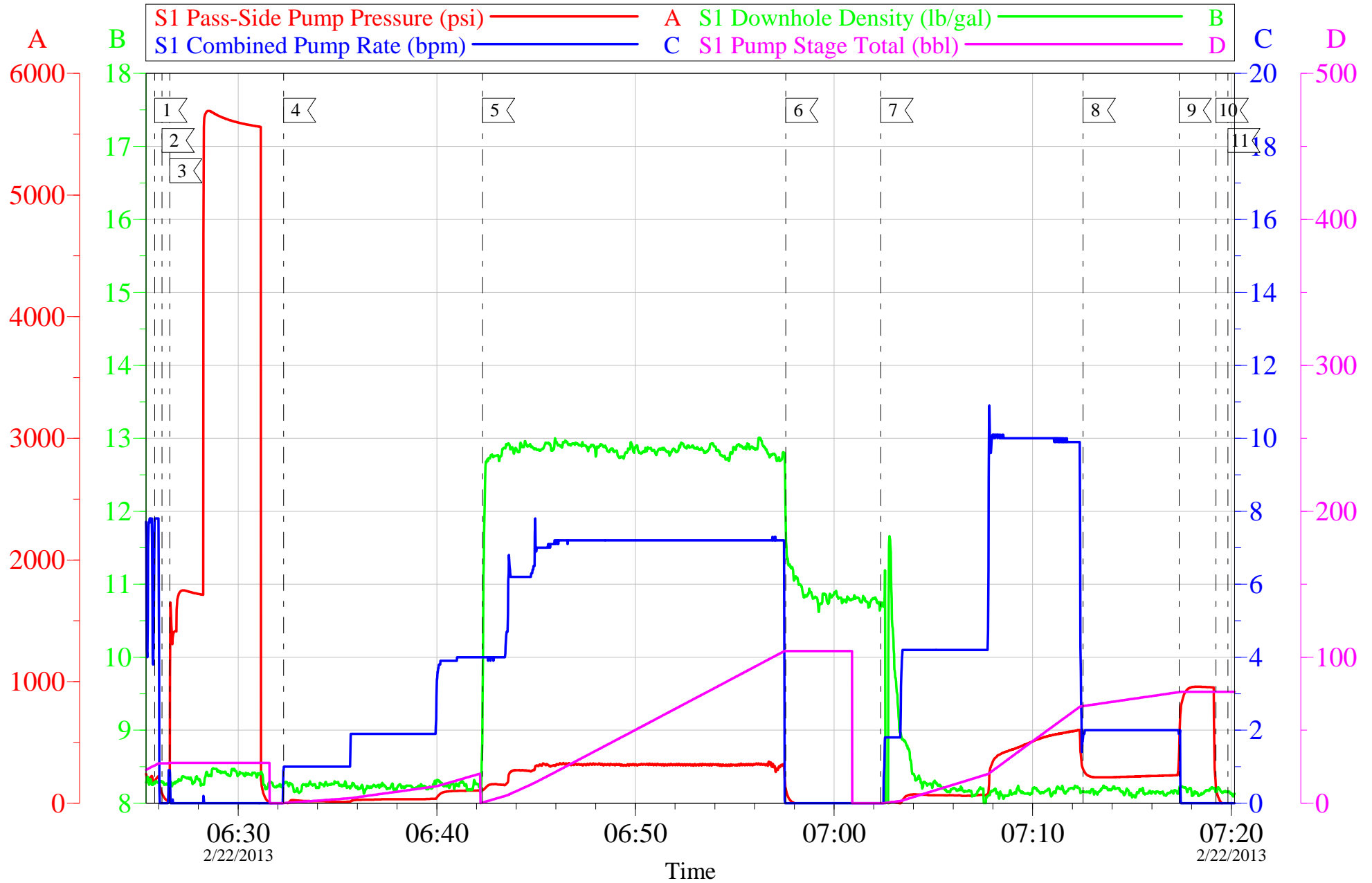
1 START JOB	06:25:48	2 FILL LINES	06:26:10
3 TEST LINES	06:26:33	4 PUMP FRESH WATER SPACER	06:32:17
5 PUMP TAIL CEMENT	06:42:18	6 SHUTDOWN / DROP PLUG	06:57:34
7 PUMP FRESH WATER DISPLACEMENT	07:02:22	8 SLOW RATE	07:12:32
9 BUMP PLUG	07:17:23	10 CHECK FLOATS	07:19:14
11 END JOB	07:19:50		

Customer: WPX ENERGY	Job Date: 22-Feb-2013	Sales Order #: 900190440
Well Description: SG 543-23	Job Type: SURFACE	ADC Used: YES
Company Rep: FRANK MOORE	Cement Supervisor: CHRIS KUKUS	Elite # 9: WESLEY GOWEN

OptiCem v6.4.10  
22-Feb-13 07:45

# WPX ENERGY / SG 543-23

9 5/8 SURFACE



Customer:	WPX ENERGY	Job Date:	22-Feb-2013	Sales Order #:	900190440
Well Description:	SG 543-23	Job Type:	SURFACE	ADC Used:	YES
Company Rep:	FRANK MOORE	Cement Supervisor:	CHRIS KUKUS	Elite # 9:	WESLEY GOWEN

OptiCem v6.4.10  
22-Feb-13 07:46

# HALLIBURTON

## Water Analysis Report

Company: WPX

Submitted by: CHRIS KUKUS

Attention: J. TROUT/C.MARTINEZ

Lease SG

Well # 543-23

Date: 2/22/2013

Date Rec.: 2/22/2013

S.O.# 900190440

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	<b>1</b>
pH	<i>8</i>	<b>6.8</b>
Potassium (K)	<i>5000</i>	<b>0</b> Mg / L
Calcium (Ca)	<i>500</i>	<b>120</b> Mg / L
Iron (FE2)	<i>300</i>	<b>0</b> Mg / L
Chlorides (Cl)	<i>3000</i>	<b>0</b> Mg / L
Sulfates (SO <sub>4</sub> )	<i>1500</i>	<b>UNDER 200</b> Mg / L
Chlorine (Cl <sub>2</sub> )		<b>0</b> Mg / L
Temp	<i>40-80</i>	<b>50</b> Deg
Total Dissolved Solids		<b>440</b> 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



<b>Sales Order #:</b> 900190440	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 2/22/2013
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> FRANK MOORE		<b>API / UWI: (leave blank if unknown)</b> 05-045-21692
<b>Well Name:</b> SG		<b>Well Number:</b> 543-23
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> 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	2/22/2013
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	FRANK MOORE
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

<b>Sales Order #:</b> 900190440	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 2/22/2013
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<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

*KEY PERFORMANCE INDICATORS*

General	
<b>Survey Conducted Date</b> The date the survey was conducted	2/22/2013

Cementing KPI Survey	
<b>Type of Job</b> Select the type of job. (Cementing or Non-Cementing)	0
<b>Select the Maximum Deviation range for this Job</b> What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
<b>Total Operating Time (hours)</b> Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	3
<b>HSE Incident, Accident, Injury</b> HSE Incident, Accident, Injury. This should be recordable incidents only.	No
<b>Was the job purpose achieved?</b> Was the job delivered correctly as per customer agreed design?	Yes
<b>Operating Hours (Pumping Hours)</b> Total number of hours pumping fluid on this job. Enter in decimal format.	1.5
<b>Customer Non-Productive Rig Time (hrs)</b> 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
<b>Type of Rig Classification Job Was Performed</b> Type Of Rig (classification) Job Was Performed On	Drilling Rig (Portable)
<b>Number Of JSAs Performed</b> Number Of Jsas Performed	6
<b>Number of Unplanned Shutdowns</b> Unplanned shutdown is when injection stops for any period of time.	0
<b>Was this a Primary Cement Job (Yes / No)</b>	Yes

<b>Sales Order #:</b> 900190440	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 2/22/2013
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<b>Customer Representative:</b> FRANK MOORE		<b>API / UWI: (leave blank if unknown)</b> 05-045-21692
<b>Well Name:</b> SG		<b>Well Number:</b> 543-23
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
<b>Did We Run Wiper Plugs?</b> Did We Run Top And Bottom Casing Wiper Plugs?	Top
<b>Mixing Density of Job Stayed in Designed Density Range (0-100%)</b> Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	90
<b>Was Automated Density Control Used?</b> Was Automated Density Control (ADC) Used ?	Yes
<b>Pump Rate (percent) of Job Stayed At Designed Pump Rate</b> 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
<b>Nbr of Remedial Sqz Jobs Rqd - Competition</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
<b>Nbr of Remedial Plug Jobs Rqd - HES</b> Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
<b>Nbr of Remedial Sqz Jobs Rqd - HES</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0