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**WPX ENERGY ROCKY MOUNTAIN LLC-EBUS**

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**SG 442-22  
RULISON  
Garfield County , Colorado**

**Cement Surface Casing**  
**04-Jul-2013**

**Post Job Report**

## The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3008036	Quote #:	Sales Order #: 900562913
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: Duniho, Al		
Well Name: SG	Well #: 442-22	API/UWI #:	
Field:	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Contractor: CYCLONE 17	Rig/Platform Name/Num: 17		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: MAYO, MARK	Srv Supervisor: KEANE, JOHN	MBU ID Emp #: 486519	

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANDREWS, ANTHONY Michael	8	321604	ATKINSON, STEPHAN Michael	8	513940	BANKS, BRENT A	8	371353
KEANE, JOHN Donovan	8	486519						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10616651C	60 mile	10784064	60 mile	10867304	60 mile	10998054	60 mile
11006314	60 mile	11259881	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
07/04/2013	8	1.5						

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	04 - Jul - 2013	02:00	MST
Form Type	BHST			On Location	04 - Jul - 2013	05:45	MST
Job depth MD	1521. ft	Job Depth TVD	1521. ft	Job Started	04 - Jul - 2013	11:35	MST
Water Depth		Wk Ht Above Floor	4. ft	Job Completed	04 - Jul - 2013	12:42	MST
Perforation Depth (MD)	From	To		Departed Loc	04 - Jul - 2013	14:00	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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## 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 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 <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	4	
2	VersaCemGJ1 Lead Cement	VERSACEM (TM) SYSTEM (452010)	225.0	sacks	12.3	2.38	13.75	8	13.75
13.75 Gal		FRESH WATER							
3	VersaCemGJ1 Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	7	11.75
11.75 Gal		FRESH WATER							
4	Fresh Water Displacement		116.00	bbl	.	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	116	Shut In: Instant		Lost Returns		Cement Slurry	156	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	30	Actual Displacement	116	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	292
Rates									
Circulating	8	Mixing		7	Displacement	10	Avg. Job		7
Cement Left In Pipe	Amount	46 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID		Frac ring # 2 @	ID		Frac Ring # 3 @	ID		Frac Ring # 4 @
The Information Stated Herein Is Correct				Customer Representative Signature					

*The Road to Excellence Starts with Safety*

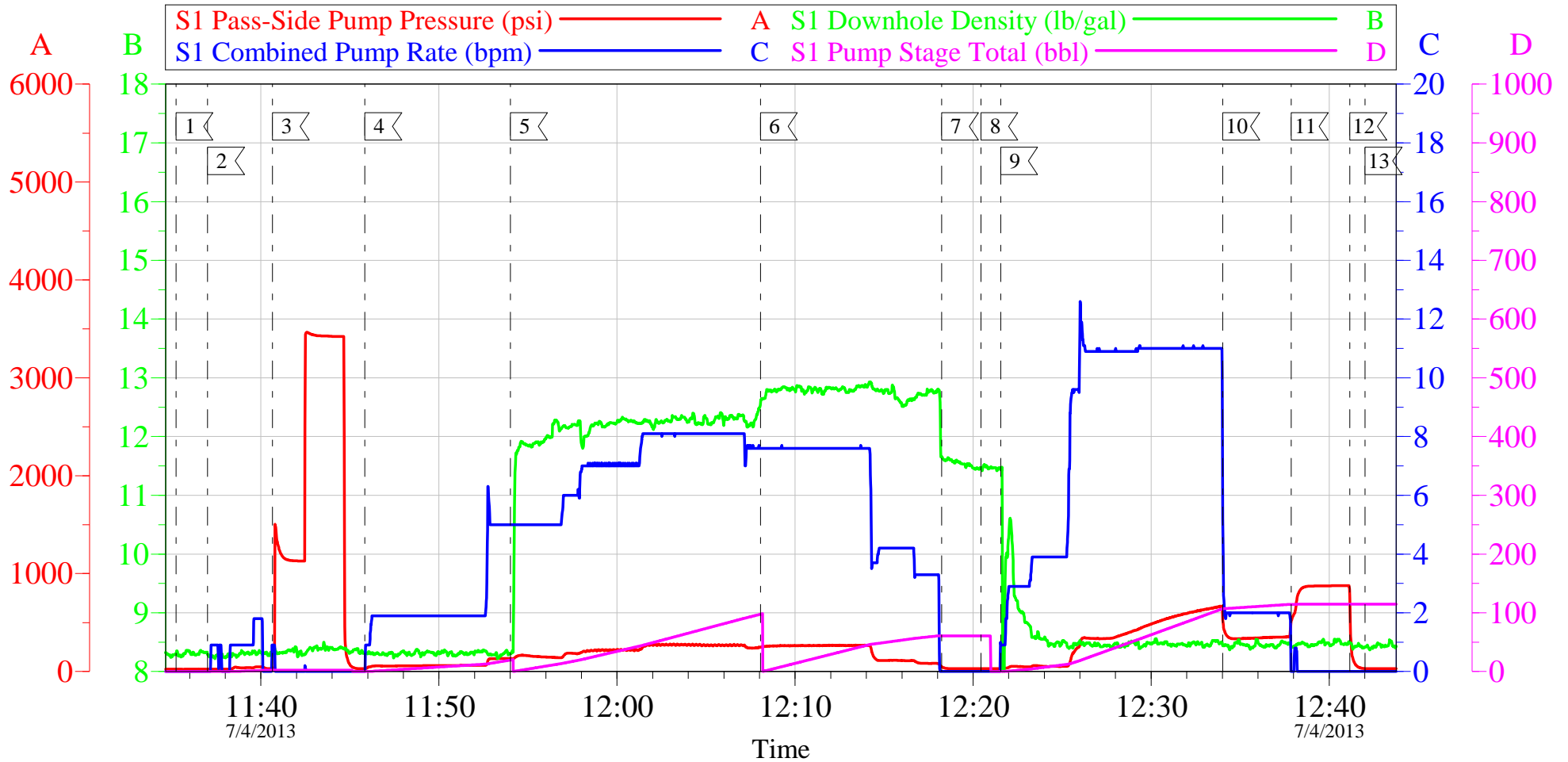
<b>Sold To #:</b> 300721		<b>Ship To #:</b> 3008036		<b>Quote #:</b>		<b>Sales Order #:</b> 900562913	
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				<b>Customer Rep:</b> Dunihoo, Al			
<b>Well Name:</b> SG			<b>Well #:</b> 442-22			<b>API/UWI #:</b>	
<b>Field:</b>		<b>City (SAP):</b> PARACHUTE		<b>County/Parish:</b> Garfield		<b>State:</b> Colorado	
<b>Legal Description:</b>							
<b>Lat:</b>				<b>Long:</b>			
<b>Contractor:</b> CYCLONE 17			<b>Rig/Platform Name/Num:</b> 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> KEANE, JOHN			<b>MBU ID Emp #:</b> 486519	

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	07/03/2013 02:00							
Pre-Convoy Safety Meeting	07/03/2013 04:15							WITH HES
Arrive At Loc	07/03/2013 05:45							RIG PULLING DRILL PIPE UPON HES ARRIVAL
Assessment Of Location Safety Meeting	07/03/2013 06:00							WITH HES
Pre-Rig Up Safety Meeting	07/03/2013 09:50							WITH HES
Rig-Up Equipment	07/03/2013 10:00							
Pre-Job Safety Meeting	07/03/2013 11:20							WITH HES, WPX, AND CYCLONE 17, RIG CIRCULATING AT 8 BBL/MIN, PV 75, YP29
Start Job	07/03/2013 11:35							TD 1535 FT, TP 1521.19 FT, HOLE 13.5 IN, SHOE 46.23 FT, MWT 9.4 LB/GAL, CASING 9.625 IN 32.3 LB/FT H-40
Pump Water	07/03/2013 11:37		2	2			125.0	FILL LINES
Test Lines	07/03/2013 11:40							LOW TEST AT 1130 PSI, HIGH TEST AT 3400 PSI, PRESSURE HOLDING
Pump Spacer	07/03/2013 11:45		4	20			260.0	PUMP FRESH WATER SPACER
Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Pump Lead Cement	07/03/2013 11:54		8	95			260.0	MIXED AT 12.3 LB/GAL, 225 SKS, 2.38 FT3/SK, 13.75 GAL/SK, DENSITY VERIFIED USING PRESSURIZED MUD SCALES
Pump Tail Cement	07/03/2013 12:08		8	60			270.0	MIXED AT 12.8 LB/GAL, 160 SKS, 2.11 FT3/SK, 11.75 GAL/SK, DENSITY VERIFIED USING PRESSURIZED MUD SCALES
Shutdown	07/03/2013 12:18						20.0	
Drop Plug	07/03/2013 12:20							PLUG LAUNCHED
Pump Displacement	07/03/2013 12:21		10	106			662.0	FRESH WATER
Slow Rate	07/03/2013 12:34		2	10			360.0	SLOWED AT 106 BBL AWAY
Bump Plug	07/03/2013 12:37		2				370.0	PLUG BUMPED AT CALCULATED DISPLACEMENT
Check Floats	07/03/2013 12:41						890.0	FLOATS HOLDING, .75 BBL RETURNED TO THE TRUCK
End Job	07/03/2013 12:42							GOOD CIRCULATION THROUGHOUT THE JOB, PIPE WAS STATIC, NO DERRICK CHARGE, NO ADD HOURS, RIG USED 100 LBS OF SUGAR, 30 BBL CEMENT CIRCULATED TO SURFACE
Post-Job Safety Meeting (Pre Rig-Down)	07/03/2013 12:50							WITH HES
Rig-Down Equipment	07/03/2013 13:00							
Pre-Convoy Safety Meeting	07/03/2013 13:45							WITH HES
Crew Leave Location	07/03/2013 14:00							
Comment	07/03/2013 14:01							THANKS FOR USING HALLIBURTON, JOHN KEANE AND CREW

# WPX - SG-442-22

9.625 IN SURFACE



## Local Event Log

1 START JOB	11:35:14	2 FILL LINES	11:37:00	3 TEST LINES	11:40:39
4 PUMP WATER SPACER	11:45:50	5 PUMP LEAD CEMENT	11:54:01	6 PUMP TAIL CEMENT	12:08:03
7 SHUTDOWN	12:18:14	8 DROP TOP PLUG	12:20:26	9 PUMP DISPLACMENT	12:21:33
10 SLOW RATE	12:34:02	11 BUMP PLUG	12:37:52	12 CHECK FLOATS	12:41:09
13 END JOB	12:42:01				

Customer: WPX  
Well Description: SG-442-22  
Company Rep: AL DUNIHO

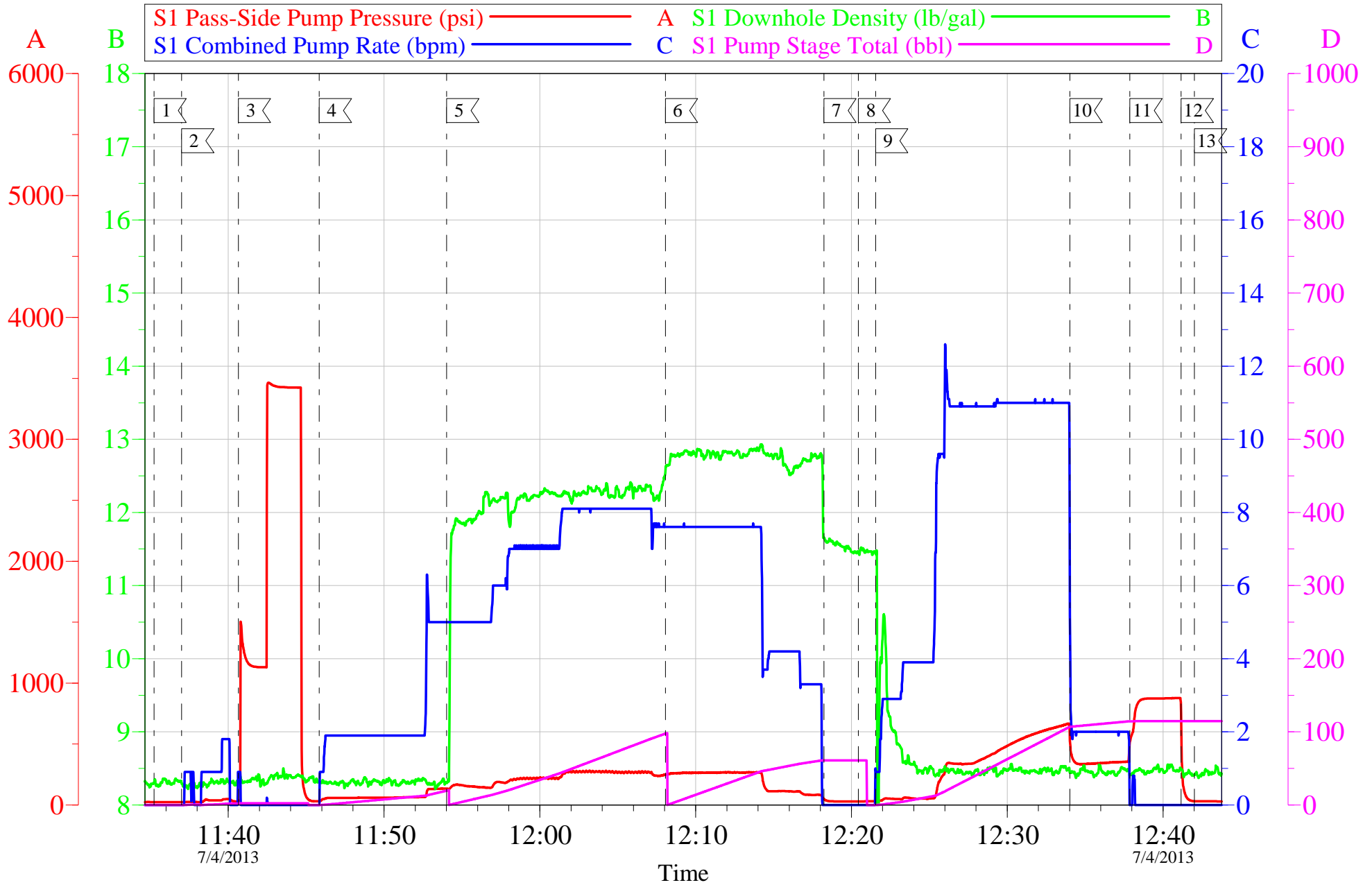
Job Date: 04-Jul-2013  
Job Type: SURFACE  
Cement Supervisor: JOHN KEANE

Sales Order #: 900562913  
ADC Used: YES  
Elite #4: STEPHAN ATKINSON

OptiCem v6.4.10  
04-Jul-13 12:50

# WPX - SG-442-22

9.625 IN SURFACE



Customer: WPX	Job Date: 04-Jul-2013	Sales Order #: 900562913
Well Description: SG-442-22	Job Type: SURFACE	ADC Used: YES
Company Rep: AL DUNIHO	Cement Supervisor: JOHN KEANE	Elite #4: STEPHAN ATKINSON

OptiCem v6.4.10  
04-Jul-13 12:51

# HALLIBURTON

## Water Analysis Report

Company: WPX

Submitted by: JOHN KEANE

Attention: CHUCK ROSS

Lease SG

Well # 442-22

Date: 7/4/2013

Date Rec.: 7/4/2013

S.O.# 900562913

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	<b>1</b>
pH	<i>8</i>	<b>8</b>
Potassium (K)	<i>5000</i>	<b>120</b> Mg / L
Calcium (Ca)	<i>500</i>	<b>250</b> Mg / L
Iron (FE2)	<i>300</i>	<b>100</b> Mg / L
Chlorides (Cl)	<i>3000</i>	<b>500</b> Mg / L
Sulfates (SO <sub>4</sub> )	<i>1500</i>	<b>&lt;200</b> Mg / L
Chlorine (Cl <sub>2</sub> )		<b>0</b> Mg / L
Temp	<i>40-80</i>	<b>72</b> Deg
Total Dissolved Solids		<b>510</b> Mg / L

Respectfully: JOHN KEANE

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 use.



<b>Sales Order #:</b> 900562913	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 7/4/2013
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> AL DUNIHO		<b>API / UWI: (leave blank if unknown)</b> AFEYKYN05GKS4U0CAAA
<b>Well Name:</b> SG		<b>Well Number:</b> 442-22
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<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	7/4/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	JOHN KEANE (HB58526)
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 !

<b>CUSTOMER SIGNATURE</b>
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<b>Sales Order #:</b> 900562913	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 7/4/2013
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
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<b>Well Name:</b> SG		<b>Well Number:</b> 442-22
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<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	7/4/2013

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.	3.5
<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> 900562913	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 7/4/2013
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> AL DUNIHO		<b>API / UWI: (leave blank if unknown)</b> AFEYKYN05GKS4U0CAAA
<b>Well Name:</b> SG		<b>Well Number:</b> 442-22
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<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