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**WPX ENERGY ROCKY MOUNTAIN LLC-EBUS**

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**SG 342-22  
RULISON  
Garfield County , Colorado**

**Cement Surface Casing  
14-Jul-2013**

**Post Job Report**

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 300721	<b>Ship To #:</b> 3009904	<b>Quote #:</b>	<b>Sales Order #:</b> 900588093
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Customer Rep:</b> BRUNK, MIKE	
<b>Well Name:</b> SG		<b>Well #:</b> 342-22	<b>API/UWI #:</b>
<b>Field:</b>	<b>City (SAP):</b> PARACHUTE	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Contractor:</b> CYCLONE 17		<b>Rig/Platform Name/Num:</b> 17	
<b>Job Purpose:</b> Cement Surface Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> MAYO, MARK		<b>Srvc Supervisor:</b> KEANE, JOHN	<b>MBU ID Emp #:</b> 486519

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DEUSSEN, EDWARD Eric	7	485182	EICKHOFF, ROBERT Edward	7	495311	KEANE, JOHN Donovon	7	486519

**Equipment**

HES Unit #	Distance-1 way						
10567589C	60 mile	11021972	60 mile	11071463	60 mile	11259881	60 mile
11808829	60 mile						

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
07/14/2013	7							
<b>TOTAL</b>			<i>Total is the sum of each column separately</i>					

**Job**

**Job Times**

Formation Name	Date	Time	Time Zone
<b>Formation Depth (MD)</b> Top Bottom	<b>Called Out</b>	14 - Jul - 2013	04:00 MST
<b>Form Type</b> BHST	<b>On Location</b>	14 - Jul - 2013	08:15 MST
<b>Job depth MD</b> 898. ft <b>Job Depth TVD</b> 898. ft	<b>Job Started</b>	14 - Jul - 2013	13:14 MST
<b>Water Depth</b> <b>Wk Ht Above Floor</b> 4. ft	<b>Job Completed</b>	14 - Jul - 2013	14:06 MST
<b>Perforation Depth (MD)</b> From To	<b>Departed Loc</b>	14 - Jul - 2013	15:00 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

**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
1	Fresh Water Spacer		20.00	bbl	.	.0	.0	4	

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
2	VersaCemGJ1 Tail Cement	VERSACEM (TM) SYSTEM (452010)	226.0	sacks	12.8	2.11	11.75	7	11.75
	11.75 Gal	FRESH WATER							
3	Fresh Water Displacement		67.00	bbl	.	.0	.0	8	
Calculated Values		Pressures		Volumes					
Displacement	67	Shut In: Instant		Lost Returns	0	Cement Slurry	85	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	15	Actual Displacement	66.7	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	172
Rates									
Circulating	9.5	Mixing	7	Displacement	8	Avg. Job	7		
Cement Left In Pipe	Amount	50.11 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> 3009904	<b>Quote #:</b>	<b>Sales Order #:</b> 900588093
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Customer Rep:</b> BRUNK, MIKE	
<b>Well Name:</b> SG		<b>Well #:</b> 342-22	<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>Srvc 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	07/14/2013 04:00							
Pre-Convoy Safety Meeting	07/14/2013 06:45							WITH HES
Arrive At Loc	07/14/2013 08:15							RIG PULLING DRILL PIPE UPON HES ARRIVAL
Assessment Of Location Safety Meeting	07/14/2013 08:30							WITH HES
Pre-Rig Up Safety Meeting	07/14/2013 09:30							WITH HES
Rig-Up Equipment	07/14/2013 09:40							
Pre-Job Safety Meeting	07/14/2013 13:00							WITH HES, WPX, AND CYCLONE 17, RIG CIRCULATING AT 9 BBL/MIN, PV 26, YP 32
Start Job	07/14/2013 13:14							TD 910 FT, TP 898 FT, SHOE 50.11 FT, HOLE 13.5 IN, MWT 9.5 LB/GAL, CSG 9.625 IN 32.3 LB/FT H-40
Pump Water	07/14/2013 13:15		2	2			32.0	FILL LINES
Test Lines	07/14/2013 13:18							LOW TEST AT 1350 PSI, HIGH TEST AT 4018 PSI, PRESSURE HOLDING
Pump Spacer	07/14/2013 13:24		4	20			85.0	FRESH WATER
Pump Tail Cement	07/14/2013 13:31		7	85			278.0	MIXED AT 12.8 LB/GAL, 226 SKS, 2.11 FT3/SK, 11.75 GAL/SK, DENSITY VERIFIED USING PRESSURIZED MUD SCALES

Sold To # : 300721

Ship To # : 3009904

Quote # :

Sales Order # : 900588093

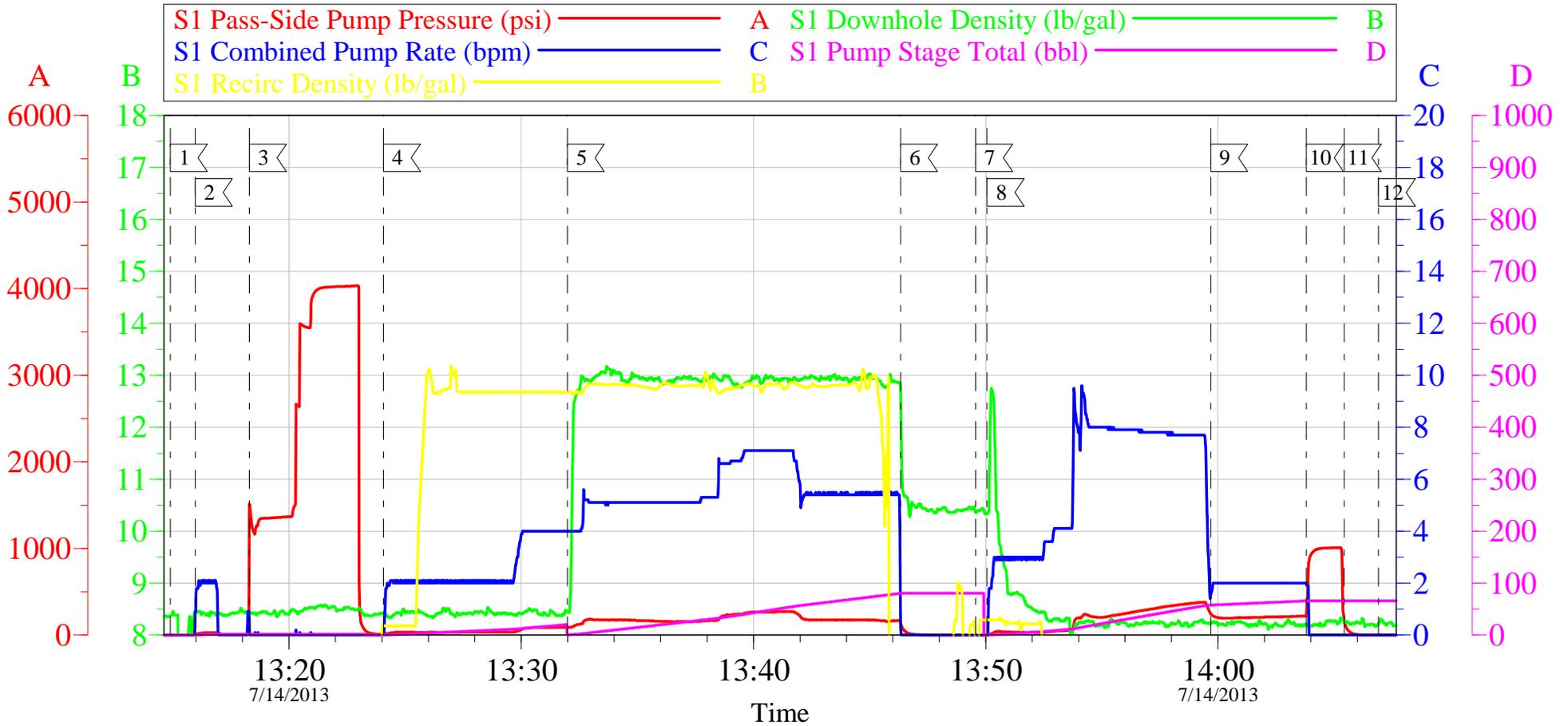
SUMMIT Version: 7.3.0081

Wednesday, July 17, 2013 04:40:00

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Shutdown	07/14/2013 13:46						178.0	
Drop Plug	07/14/2013 13:49							PLUG LAUNCHED
Pump Displacement	07/14/2013 13:50		8	56			300.0	FRESH WATER
Slow Rate	07/14/2013 13:59		2	10			200.0	SLOWED AT 57 BBL AWAY
Bump Plug	07/14/2013 14:03		2				240.0	PLUG BUMPED AT CALCULATED DISPLACEMENT
Check Floats	07/14/2013 14:05						1000.0	FLOATS HOLDING, .75 BBL RETURNED TO THE TRUCK
End Job	07/14/2013 14:06							GOOD CIRCULATION THROUGHOUT THE JOB, PIPE WAS STATIC THROUGHOUT THE JOB, NO ADD HOURS, NO DERRICK CHARGE, RIG USED 80 LBS OF SUGAR, 15 BBL CEMENT CIRCULATED TO SURFACE
Post-Job Safety Meeting (Pre Rig-Down)	07/14/2013 14:10							WITH HES
Rig-Down Equipment	07/14/2013 14:20							
Pre-Convoy Safety Meeting	07/14/2013 14:45							WITH HES
Crew Leave Location	07/14/2013 15:00							
Comment	07/14/2013 15:01							THANKS FOR USING HALLIBURTON, JOHN KEANE AND CREW

# WPX - SG-342-22

9.625 IN SURFACE

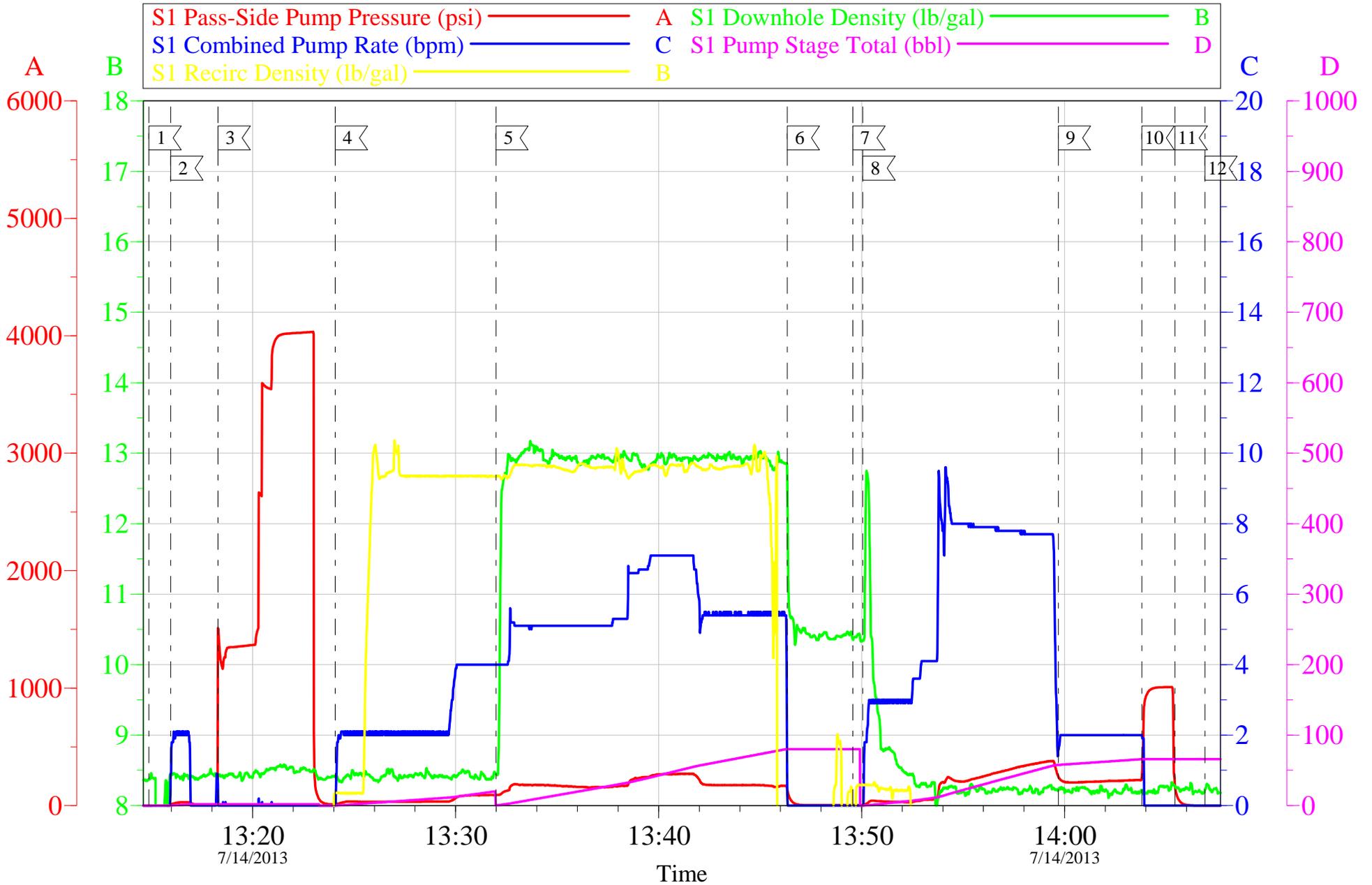


Local Event Log		
1	START JOB	13:14:54
2	FILL LINES	13:15:58
3	TEST LINES	13:18:18
4	PUMP FRESH WATER SPACER	13:24:04
5	PUMP CEMENT	13:31:59
6	SHUTDOWN	13:46:20
7	DROP TOP PLUG	13:49:34
8	PUMP DISPLACEMENT	13:50:04
9	SLOW RATE	13:59:41
10	BUMP PLUG	14:03:48
11	CHECK FLOATS	14:05:26
12	END JOB	14:06:54

Customer: WPX	Job Date: 14-Jul-2013	Sales Order #: 900588093
Well Description: SG-442-22	Job Type: SURFACE	ADC Used: YES
Company Rep: MIKE BRUNK	Cement Supervisor: JOHN KEANE	Elite #3: ROB EICKHOFF

# WPX - SG-342-22

9.625 IN SURFACE



Customer: WPX	Job Date: 14-Jul-2013	Sales Order #: 900588093
Well Description: SG-442-22	Job Type: SURFACE	ADC Used: YES
Company Rep: MIKE BRUNK	Cement Supervisor: JOHN KEANE	Elite #3: ROB EICKHOFF

# HALLIBURTON

## Water Analysis Report

Company: WPX  
Submitted by: JOHN KEANE  
Attention: CHUCK ROSS  
Lease: SG  
Well #: 342-22

Date: 7/14/2013  
Date Rec.: 7/14/2013  
S.O.#: 900588903  
Job Type: SURFACE

Specific Gravity	<i>MAX</i>	<b>1</b>
pH	<i>8</i>	<b>7.5</b>
Potassium (K)	<i>5000</i>	<b>120 Mg / L</b>
Calcium (Ca)	<i>500</i>	<b>250 Mg / L</b>
Iron (FE2)	<i>300</i>	<b>0 Mg / L</b>
Chlorides (Cl)	<i>3000</i>	<b>500 Mg / L</b>
Sulfates (SO <sub>4</sub> )	<i>1500</i>	<b>&lt;200 Mg / L</b>
Chlorine (Cl <sub>2</sub> )		<b>0 Mg / L</b>
Temp	<i>40-80</i>	<b>72 Deg</b>
Total Dissolved Solids		<b>320 Mg / L</b>

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> 900588093	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 7/14/2013
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> MIKE BRUNK		<b>API / UWI: (leave blank if unknown)</b> AFEYS3IJMGKAXZKFAAA
<b>Well Name:</b> SG		<b>Well Number:</b> 342-22
<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	7/14/2013
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	MIKE BRUNK
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	

<b>CUSTOMER SIGNATURE</b>
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<b>Well Name:</b> SG		<b>Well Number:</b> 342-22
<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>	7/14/2013
The date the survey was conducted	

Cementing KPI Survey	
<b>Type of Job</b>	0
Select the type of job. (Cementing or Non-Cementing)	
<b>Select the Maximum Deviation range for this Job</b>	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
<b>Total Operating Time (hours)</b>	2.5
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
<b>HSE Incident, Accident, Injury</b>	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
<b>Was the job purpose achieved?</b>	Yes
Was the job delivered correctly as per customer agreed design?	
<b>Operating Hours (Pumping Hours)</b>	1
Total number of hours pumping fluid on this job. Enter in decimal format.	
<b>Customer Non-Productive Rig Time (hrs)</b>	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.	
<b>Type of Rig Classification Job Was Performed</b>	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
<b>Number Of JSAs Performed</b>	6
Number Of Jsas Performed	
<b>Number of Unplanned Shutdowns</b>	0
Unplanned shutdown is when injection stops for any period of time.	
<b>Was this a Primary Cement Job (Yes / No)</b>	Yes

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<b>Customer Representative:</b> MIKE BRUNK		<b>API / UWI: (leave blank if unknown)</b> AFEYS3IJMGKAXZKFAAA
<b>Well Name:</b> SG		<b>Well Number:</b> 342-22
<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	95
<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	95
<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