

HALLIBURTON



WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**SG 444-23
GRAND VALLEY
Garfield County, Colorado**

Cement Surface Casing
28-Jan-2013

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2973723	Quote #:	Sales Order #: 900087865
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: Duniho, Al		
Well Name: SG	Well #: 444-23	API/UWI #: 05-045-21686	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.419 deg. OR N 39 deg. 25 min. 8.461 secs.	Long: W 108.07 deg. OR W -109 deg. 55 min. 46.38 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: WYCKOFF, RYAN	MBU ID Emp #: 476117	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANKS, BRENT A	0.0	371353	LINN, PAUL Andrew	0.0	479143	WILSON, BENJAMIN Wallace	0.0	533647
WYCKOFF, RYAN Scott	0.0	476117						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10616651C	60 mile	10867423	60 mile	11562538	60 mile	11583932	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

TOTAL Total is the sum of each column separately

Formation Name	Job	Job Times	Date	Time	Time Zone
Formation Depth (MD) Top	Bottom	Called Out			
Form Type	BHST	On Location			
Job depth MD	682. ft	Job Depth TVD	682. ft	Job Started	28 - Jan - 2013 01:50 MST
Water Depth		Wk Ht Above Floor	3. ft	Job Completed	28 - Jan - 2013 02:34 MST
Perforation Depth (MD) From	To	Departed Loc			

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			
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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
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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 Spacer		20.00	bbl	.	.0	.0	.0	
2	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	180.0	sacks	12.8	2.11	11.75		11.75
11.75 Gal		FRESH WATER							
3	Fresh Water Displacement		45.00	bbl	.	.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					

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Well Name: SG	Well #: 444-23	API/UWI #: 05-045-21686	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.419 deg. OR N 39 deg. 25 min. 8.461 secs.		Long: W 108.07 deg. OR W -109 deg. 55 min. 46.38 secs.	
Contractor: CYCLONE 17	Rig/Platform Name/Num: CYCLONE 17		
Job Purpose: Cement Surface Casing	Ticket Amount:		
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: MAYO, MARK	Srv Supervisor: WYCKOFF, RYAN	MBU ID Emp #: 476117	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	01/27/2013 17:45							ELITE # 4
Pre-Convoy Safety Meeting	01/27/2013 19:45							ALL HES EMPLOYEES
Arrive At Loc	01/27/2013 21:00							ARRIVE AT LOCATION AT 21:00 RIG HAD JUST REACHED TD, WAITED OFF LOCATION UNTIL CASING WAS ON BOTTOM TO RIG UP
Assessment Of Location Safety Meeting	01/27/2013 21:30							ALL HES EMPLOYEES
Pre-Rig Up Safety Meeting	01/28/2013 00:00							ALL HES EMPLOYEES
Rig-Up Equipment	01/28/2013 00:10							1 HT 400 PUMP TRUCK (ELITE # 4), 1-660 BULK TRUCK, 1 F-550 PICKUP
Pre-Job Safety Meeting	01/28/2013 01:00							ALL HES EMPLOYEES AND RIG CREW
Rig-Up Completed	01/28/2013 01:30							
Start Job	01/28/2013 01:50							TD 705', TP 682', CSG 9 5/8" 32#, SHOE 43.95', OH 13 1/2", MUD 9.7 PPG
Pressure Test	01/28/2013 01:53					3056.0		PRESSURE TEST PUMPS AND LINES TO 3000 PSI
Pump Spacer	01/28/2013 01:58		4	20	20		82.0	PUMP 20 BBLS FRESH WATER SPACER
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

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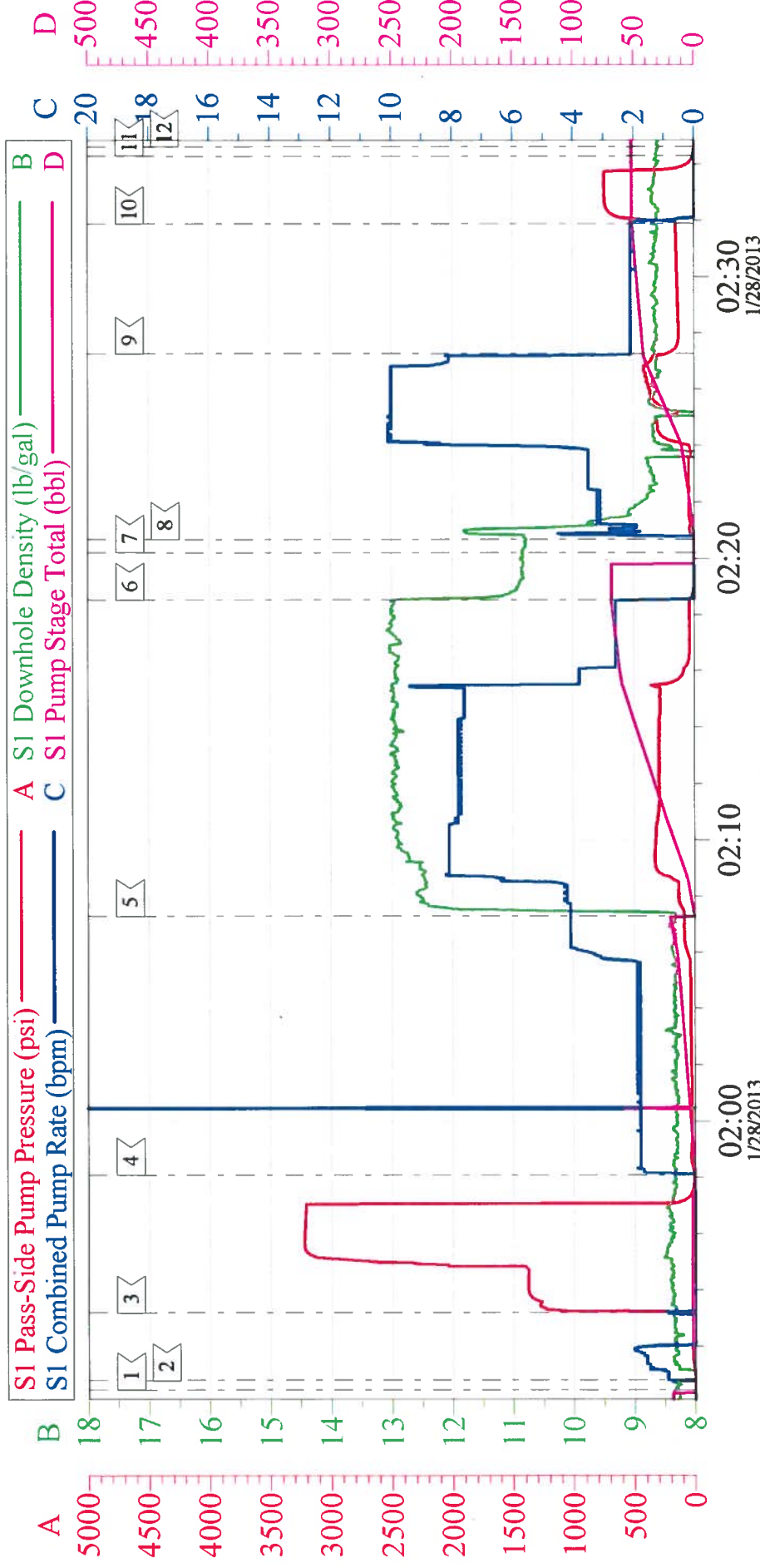
SUMMIT Version: 7.3.0073

Wednesday, May 01, 2013 10:52:00

Pump Tail Cement	01/28/2013 02:07		6	67.7	67.7		320.0	180 SKS, 12.8 PPG, 2.11 YIELD, 11.75 GAL/SK, WEIGHT VERIFIED VIA MUD SCALES THROUGHOUT TAIL CEMENT
Shutdown	01/28/2013 02:18							
Drop Plug	01/28/2013 02:20							PLUG AWAY WITH NO ISSUES, WASHED UP ON TOP OF PLUG AS PER COMPANY REP
Pump Displacement	01/28/2013 02:20		10	50.5	50.5		400.0	PUMP FRESH WATER DISPLACEMENT
Slow Rate	01/28/2013 02:27		2	40.5	40.5		195.0	SLOW RATE TO BUMP PLUG AS PER COMPANY REP
Bump Plug	01/28/2013 02:31		2	50.5	50.5		730.0	BUMP PLUG @ 195 PSI, PRESSURE UP TO 731 PSI
Check Floats	01/28/2013 02:34							FLOATS HELD 1 BBL BACK TO DISPLACEMENT TANK, 3 BBLS OF CEMENT BACK TO SURFACE
End Job	01/28/2013 02:34							40# SUGAR, NO ADD HOURS, NO DERRICK CHARGE
Pre-Rig Down Safety Meeting	01/28/2013 02:45							ALL HES EMPLOYEES
Rig-Down Equipment	01/28/2013 03:00							
Pre-Convoy Safety Meeting	01/28/2013 04:00							ALL HES EMPLOYEES
Crew Leave Location	01/28/2013 04:15							THANK YOU FOR USING HALLIBURTON CEMENT RYAN WYCKOFF AND CREW

WPX SG 44-23

9 5/8" SURFACE

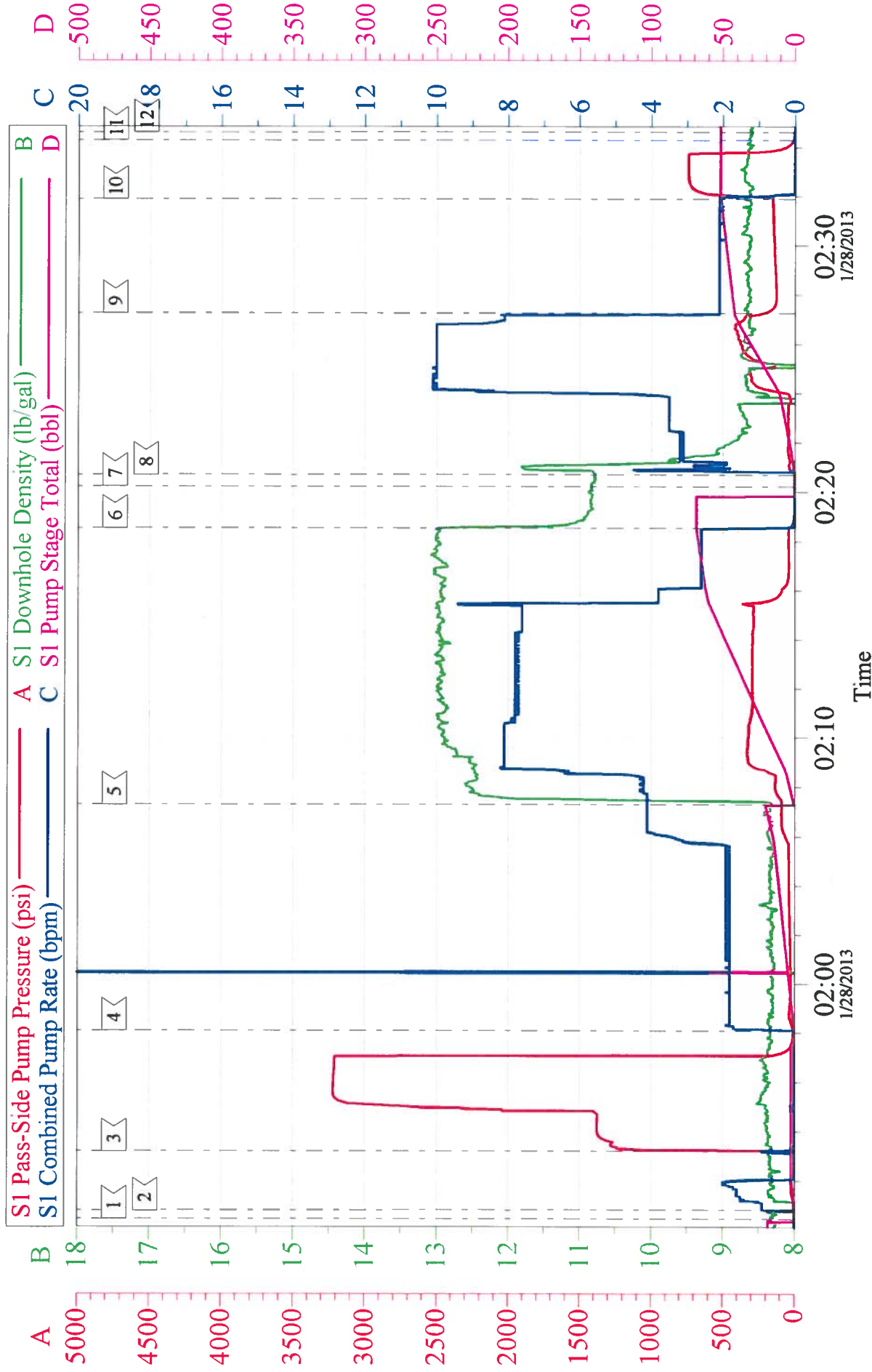


Local Event Log								
1	START JOB	01:50:28	2	FILL LINES	01:50:47	3	PRESSURE TEST	01:53:11
4	PUMP H2O SPACER	01:58:06	5	PUMP TAIL CEMENT	02:07:17	6	SHUTDOWN	02:18:31
7	DROP PLUG	02:20:13	8	PUMP H2O DISPLACEMENT	02:20:41	9	SLOW RATE	02:27:14
10	BUMP PLUG	02:31:53	11	CHECK FLOATS	02:34:18	12	END JOB	02:34:37

Customer: WPX Well Description: SG 44-23 Company Rep: FRANK MOORE	Job Date: 28-Jan-2013	Sales Order #: 900087865
	Job Type: SURFACE	ADC Used: YES
	Cement Supervisor: RYAN WYCKOFF	Elite # 4: BRENT BANKS

OptiCem v6.4.10
28-Jan-13 02:39

WPX SG 44-23 9 5/8" SURFACE



Customer: WPX	Job Date: 28-Jan-2013	Sales Order #: 900087865
Well Description: SG 44-23	Job Type: SURFACE	ADC Used: YES
Company Rep: FRANK MOORE	Cement Supervisor: RYAN WYCKOFF	Elite # 4: BRENT BANKS

HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: RYAN WYCKOFF
Attention: J. TROUT/C.MARTINEZ
Lease: SG
Well #: 44-23

Date: 1/27/2013
Date Rec.: 1/27/2013
S.O.#: 900087865
Job Type: SURFACE

15-13-2219

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	0 Mg / L
Calcium (Ca)	<i>500</i>	Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	Mg / L
Sulfates (SO ₄)	<i>1500</i>	UNDER 200 Mg / L
Chlorine (Cl ₂)		Mg / L
Temp	<i>40-90</i>	42 Deg
Total Dissolved Solids		120 Mg / L

Respectfully: RYAN WYCKOFF

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

Sales Order #: 900087865	Line Item: 10	Survey Conducted Date: 1/28/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: FRANK MOORE		API / UWI: (leave blank if unknown) 05-045-21686
Well Name: SG		Well Number: 44-23
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	1/28/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	RYAN WYCKOFF (HB47901)
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

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Well Name: SG		Well Number: 44-23
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	1/28/2013
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)	2
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

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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	90
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 +/- 1 bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped, multiplied by 100	90
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