
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**FEDERAL RGU 23-23-198
SULPHUR CREEK
Rio Blanco County, Colorado**

Cement Multiple Stages
03-Apr-2013

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 300721	Quote #:	Sales Order #: 900334066
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Brunk, Andrew	
Well Name: FEDERAL RGU		Well #: 23-23-198	API/UWI #: 05-103-11783
Field: SULPHUR CREEK	City (SAP): TULSA	County/Parish: Rio Blanco	State: Colorado
Lat: N 39.947 deg. OR N 39 deg. 56 min. 48.574 secs.		Long: W 108.363 deg. OR W -109 deg. 38 min. 14.568 secs.	
Contractor: CYCLONE 29		Rig/Platform Name/Num: CYCLONE 29	
Job Purpose: Cement Multiple Stages			
Well Type: Development Well		Job Type: Cement Multiple Stages	
Sales Person: MAYO, MARK		Srvc Supervisor: SMITH, CHRISTOPHER	MBU ID Emp #: 452619

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BRENNECKE, ANDREW Bailey	0.0	486345	SMITH, CHRISTOPHER Scott	0.0	452619	WOLFE, JON P	0.0	485217

Equipment

HES Unit #	Distance-1 way						
10567589C	30 mile	10867423	30 mile	11259884	30 mile	11562538	30 mile
11808829	30 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	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	03 - Apr - 2013	04:30	MST
Form Type		BHST	Job Started	03 - Apr - 2013	13:30	MST
Job depth MD	3863. ft	Job Depth TVD	3863. ft	Job Completed	03 - Apr - 2013	19:11
Water Depth		Wk Ht Above Floor	4. ft	Departed Loc	03 - Apr - 2013	21:00
Perforation Depth (MD)	From	To				

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			
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 ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk		

Stage/Plug #: 1

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Quote #:

Sales Order #: 900334066

SUMMIT Version: 7.3.0078

Saturday, April 27, 2013 03:33:00

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		40.00	bbl	8.33	.0	.0	.0	
2	1st Stage Lead Cement	VERSACEM (TM) SYSTEM (452010)	670.0	sacks	12.8	1.77	9.34		9.34
		9.34 Gal	FRESH WATER						
3	1st Stage Tail Cement	VERSACEM (TM) SYSTEM (452010)	190.0	sacks	12.8	1.96	10.95		10.95
		10.95 Gal	FRESH WATER						
4	Displacement		295.00	bbl	8.33	.0	.0	.0	
5	Fresh Water Spacer		20.00	bbl	8.33	.0	.0	.0	
6	2nd Stage Tail	VERSACEM (TM) SYSTEM (452010)	785.0	sacks	12.8	1.96	10.95		10.95
		10.95 Gal	FRESH WATER						
7	Displacement		133.00	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					

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Well Name: FEDERAL RGU	Well #: 23-23-198	API/UWI #: 05-103-11783	
Field: SULPHUR CREEK	City (SAP): TULSA	County/Parish: Rio Blanco	State: Colorado
Legal Description:			
Lat: N 39.947 deg. OR N 39 deg. 56 min. 48.574 secs.		Long: W 108.363 deg. OR W -109 deg. 38 min. 14.568 secs.	
Contractor: CYCLONE 29		Rig/Platform Name/Num: CYCLONE 29	
Job Purpose: Cement Multiple Stages			Ticket Amount:
Well Type: Development Well		Job Type: Cement Multiple Stages	
Sales Person: MAYO, MARK		Srv Supervisor: SMITH, CHRISTOPHER	MBU ID Emp #: 452619

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	04/04/2013 04:00							ELITE #3
Pre-Convoy Safety Meeting	04/04/2013 04:30							ALL HES EMPLOYEES

Arrive At Loc	04/04/2013 13:30							REQUESTED CREW ON LOCATION 6:30
Assessment Of Location Safety Meeting	04/04/2013 13:40							ALL HES EMPLOYEES
Pre-Rig Up Safety Meeting	04/04/2013 13:55							ALL HES EMPLOYEES
Rig-Up Equipment	04/04/2013 14:10							1 HT 400 PUMP TRUCK (ELITE #) 1-660 BULK TRUCK 2-SILO 1 F-550 PICKUP
Pre-Job Safety Meeting	04/04/2013 15:25							ALL HES EMPLOYEES AND RIG CREW
Rig-Up Completed	04/04/2013 15:27							
Start Job	04/04/2013 15:30							TD 3868', TP 3858', SJ 25.33', OH 14.75" FROM SURFACE TO 1700', OH 13.5" FROM 1700' TO TD, CSG 9.625" 36#, 380' OF 40# CSG, MUD 9.4 PPG, WEATHERFORD STAGE TOOL SET AT 1721'
Pressure Test	04/04/2013 15:33		0.5	0.5				PRESSURE TEST TO 3000 PSI
Pump Spacer	04/04/2013 15:35		6	40			270.0	PUMP 40 BBLs FRESH WATER SPACER
Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	04/04/2013 15:45		7.5	211			355.0	FIRST STAGE LEAD 670 SKS 12.8 PPG 1.77 YIELD 9.34GAL/SK WEIGHT VERIFIED VIA MUD SCALES THROUGHOUT LEAD CEMENT
Pump Tail Cement	04/04/2013 16:19		7	66			340.0	FIRST STAGE TAIL 190 SKS 12.8 PPG 1.96 YIELD 10.95 GAL/SK WEIGHT VERIFIED VIA MUD SCALES THROUGHOUT TAIL CEMENT
Shutdown	04/04/2013 16:29							WASH UP ON TOP OF PLUG
Drop Plug	04/04/2013 16:32							PLUG AWAY WITH NO ISSUES

Pump Displacement	04/04/2013 16:33		10	285			680.0	PUMP FRESH WATER DISPLACEMENT, LOST RETURNS @ 232 BBL AWAY, ESTABLISHED RETURNS @ 278
Slow Rate	04/04/2013 17:03		4	10			620.0	SLOW RATE TO BUMP PLUG
Bump Plug	04/04/2013 17:13			295			1065.0	BUMP PLUG
Check Floats	04/04/2013 17:17							FLOATS HELD
Drop Opening Device For Multiple Stage Cementer	04/04/2013 17:20							WAIT A MINIMUM OF 12 MINUTES FOR 'BOMB' TO OPEN TOOL
Pump Spacer	04/04/2013 17:33		4	20			151.0	
Pump Tail Cement	04/04/2013 17:41		7	274			413.0	SECOND STAGE TAIL, 785 SKS 12.8 PPG 1.96 YIELD 10.95 GAL/SK WEIGHT VERFIED VIA MUD SCALES THROUGHOUT TAIL CEMENT
Shutdown	04/04/2013 18:23							WASH UP ON TOP OF PLUG
Other	04/04/2013 18:26							DROP CLOSING PLUG
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	04/04/2013 18:27		7	123			569.0	PUMP FRESH WATER DISPLACEMENT, GOOD RETURNS THROUGH OUT, 50 BBLs OF CEMENT TO SURFACE, TOPPED OUT WELL #423-23-198 WITH THE 50 BBLs OF CEMENT BROUGHT TO SURFACE, SLOWED RATE DURING DISPLACEMENT TO KEEP FROM OVER FLOWING CELLAR.
Slow Rate	04/04/2013 18:44		2	10			480.0	SLOW RATE TO BUMP PLUG
Bump Plug	04/04/2013 19:00			133			1745.0	BUMP PLUG
Other	04/04/2013 19:01							CHECK TOOL CLOSED, TOOL NOT SHUT COMPLETELY

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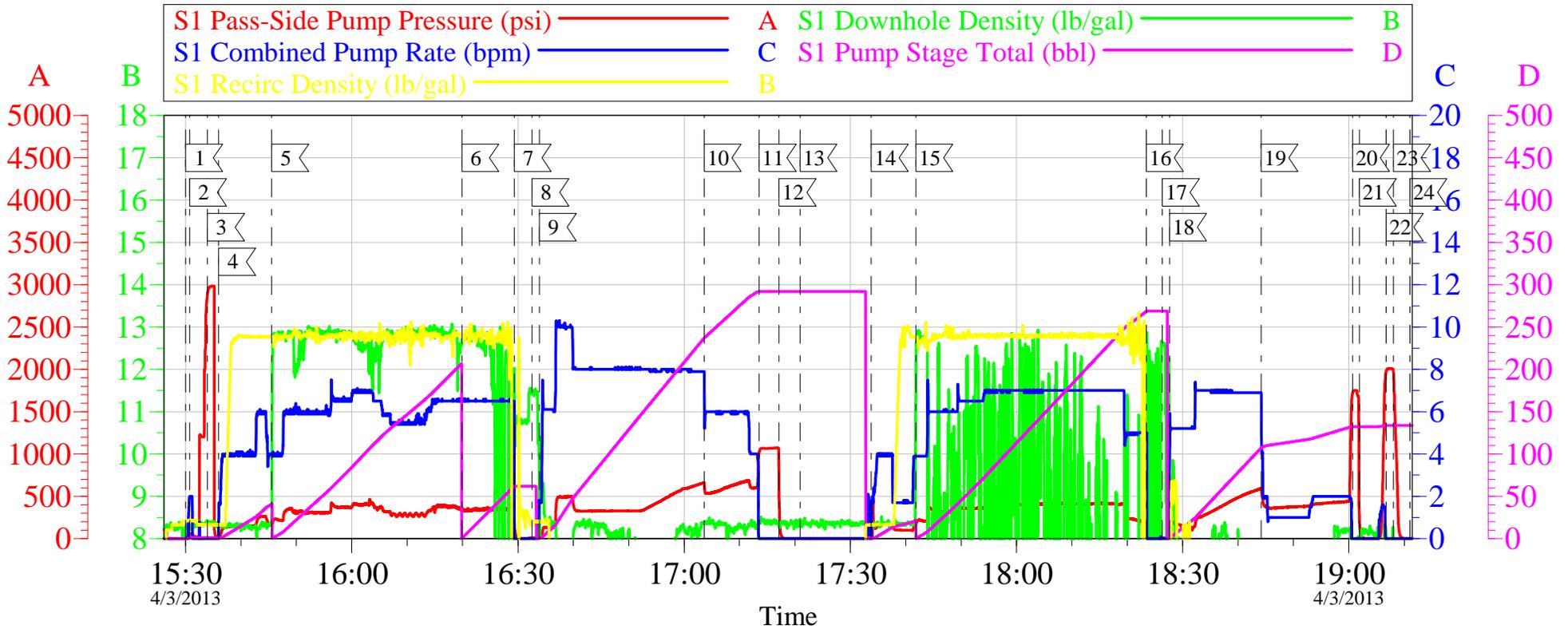
SUMMIT Version: 7.3.0078

Saturday, April 27, 2013 03:33:00

Bump Plug	04/04/2013 19:06		0.5	0.5			2009. 0	
Other	04/04/2013 19:08							CHECK TOOL CLOSED, TOOL CLOSED
End Job	04/04/2013 19:11							
Pre-Rig Down Safety Meeting	04/04/2013 19:20							ALL HES EMPLOYEES
Rig-Down Equipment	04/04/2013 19:25							
Pre-Convoy Safety Meeting	04/04/2013 21:00							ALL HES EMPLOYEES
Crew Leave Location	04/04/2013 21:05							THANK YOU FOR USING HALLIBURTON CEMENT CHRIS SMITH AND CREW

WPX RGU 23-23-198

9.625" TWO STAGE SURFACE

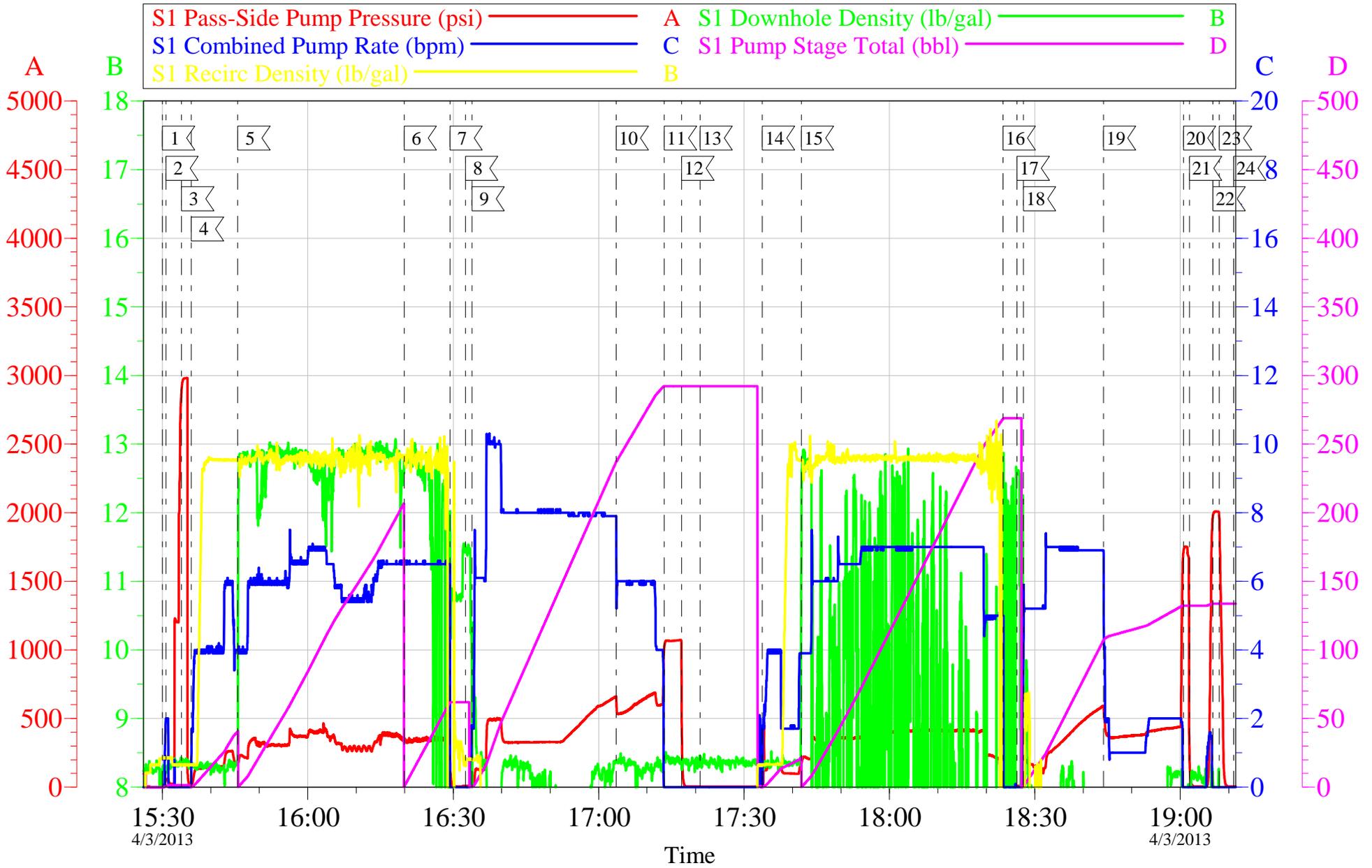


Local Event Log								
1	START JOB	15:30:00	2	FILL LINES	15:30:43	3	TEST LINES	15:33:57
4	H2O SPACER	15:35:59	5	LEAD CEMENT	15:45:33	6	TAIL CEMENT	16:19:52
7	SHUTDOWN	16:29:19	8	DROP BOTTOM PLUG	16:32:32	9	H2O DISPLACEMENT	16:33:52
10	SLOW RATE	17:03:38	11	BUMP PLUG	17:13:33	12	CHECK FLOATS	17:17:09
13	DROP OPENING PLUG	17:20:54	14	H2O SPACER	17:33:47	15	TAIL CEMENT	17:41:50
16	SHUTDOWN	18:23:28	17	DROP CLOSING PLUG	18:26:20	18	H2O DISPLACEMENT	18:27:39
19	SLOW RATE	18:44:10	20	BUMP PLUG	19:00:41	21	CHECK TOOL CLOSED	19:01:53
22	BUMP PLUG	19:06:44	23	CHECK TOOL CLOSED	19:08:03	24	END JOB	19:11:02

Customer: WPX	Job Date: 03-Apr-2013	Sales Order #: 900334066
Well Description: RGU 23-23-198	Job Type: SURFACE-TWO STAGE	ADC Used: YES
Company Rep: T.RAGSDALE	Cement Supervisor: C.SMITH	Elite 3: A.BRENNECKE

WPX RGU 23-23-198

9.625" TWO STAGE SURFACE



Customer: WPX	Job Date: 03-Apr-2013	Sales Order #: 900334066
Well Description: RGU 23-23-198	Job Type: SURFACE-TWO STAGE	ADC Used: YES
Company Rep: T.RAGSDALE	Cement Supervisor: C.SMITH	Elite 3: A.BRENNECKE

Sales Order #: 900334066	Line Item: 10	Survey Conducted Date: 4/4/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT MULTIPLE STAGES BOM
Customer Representative: TED RAGSDALE		API / UWI: (leave blank if unknown) 05-103-11783
Well Name: FEDERAL RGU		Well Number: 23-23-198
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Rio Blanco

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	4/4/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CHRISTOPHER SMITH (HB20137)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	TED RAGSDALE
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	JOB WENT WELL ONCE ON SITE. DISPATCH PROBLEMS 7.5 HOURS LATE TO LOCATION. GAVE 12 HOUR NOTICE FOR CALL OUT TIME.

CUSTOMER SIGNATURE

Sales Order #: 900334066	Line Item: 10	Survey Conducted Date: 4/4/2013
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Customer Representative: TED RAGSDALE		API / UWI: (leave blank if unknown) 05-103-11783
Well Name: FEDERAL RGU		Well Number: 23-23-198
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Rio Blanco

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	4/4/2013
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)	8
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)	5
Total number of hours pumping fluid on this job. Enter in decimal format.	
Customer Non-Productive Rig Time (hrs)	3
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.	
Reason For Non-Productive Rig Time	CREW LATE TO LOCATION
Reason For Non-productive Rig Time (Cementing PSL Responsibility)	
Type of Rig Classification Job Was Performed	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
Number Of JSAs Performed	7
Number Of Jsas Performed	
Number of Unplanned Shutdowns	0

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Customer Representative: TED RAGSDALE		API / UWI: (leave blank if unknown) 05-103-11783
Well Name: FEDERAL RGU		Well Number: 23-23-198
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Rio Blanco

Unplanned shutdown is when injection stops for any period of time.	
Was this a Primary Cement Job (Yes / No) Primary Cement Job= Casing job, Liner job, or Tie-back job.	Yes
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs?	Both
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	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