

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

RWF 23-25

Neighbors 577

Post Job Summary
Cement Surface Casing

Date Prepared: 04/26/2013
Version: 1

Service Supervisor: Thomas, Ponder

Submitted by: Grand Junction Engineering

The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 300721		Quote #:		Sales Order #: 0901295465				
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep:						
Well Name: RWF		Well #: 23-25		API/UWI #: 05-045-21985						
Field:		City (SAP): Rulison		County/Parish: Garfield		State: COLORADO				
Legal Description:										
Contractor: NABORS DRLG				Rig/Platform Name/Num: NABORS 577						
Job BOM: 7521										
Well Type: OIL & GAS WELL										
Sales Person: HALAMERICA\HB50180				Srv Supervisor: Thomas Ponder						
Job										
Formation Name										
Formation Depth (MD)		Top		Bottom						
Form Type				BHST						
Job depth MD		1119ft		Job Depth TVD						
Water Depth				Wk Ht Above Floor						
Perforation Depth (MD)		From		To						
Well Data										
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole Section			13.5				0	1119		0
Casing		9.625	9.001	32.3			0	1119		0
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make		
Guide Shoe	9.625	1	WTF	1119	Top Plug	9.625	1	HES		
Float Shoe	9.625				Bottom Plug	9.625		HES		
Float Collar	9.625	1	WTF	1080	SSR plug set	9.625		HES		
Insert Float	9.625				Plug Container	9.625	1	HES		
Stage Tool	9.625				Centralizers	9.625		HES		
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/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Fresh Water Spacer	Fresh Water Spacer	20	bbl	8.34			4		
Fluid Data										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
2	Lead Cement	VARICEM (TM) CEMENT	150	sack	12.3	2.38		8	13.77	

HALLIBURTON***Cementing Job Summary***

13.70 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Tail Cement	VARICEM (TM) CEMENT	160	sack	12.8	2.11		8	11.77
11.71 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
4	Fresh Water Displacement	Fresh Water Displacement	85	bbl	8.34			10	
Cement Left In Pipe		Amount 39 ft			Reason		Shoe Joint		
Comment									

HALLIBURTON



Summary Report

Crew: _____
Job Start Date: 4/25/2014


Sales Order #: 0901295465
WO #: 0901295465
PO/AFE #: N/A

Customer: WPX ENERGY ROCKY MOUNTAIN Field:
LLC-EBUS
UWI / API Number: 05-045-21985
Well Name: RWF
Well No: 23-25

County/Parish: Garfield
State: COLORADO
Latitude: 0
Longitude: 0
Sect / Twn / Rng: 25/6S/94W

Job Type: CMT SURFACE
CASING BOM
Service Supervisor: Thomas Ponder

Cust Rep Name:
Cust Rep Phone #:

Remarks:		
The Information Stated Herein Is Correct	Customer Representative Signature 	Date 4-25-14
	Customer Representative Printed Name Luke Hubbard	

Job Event Log

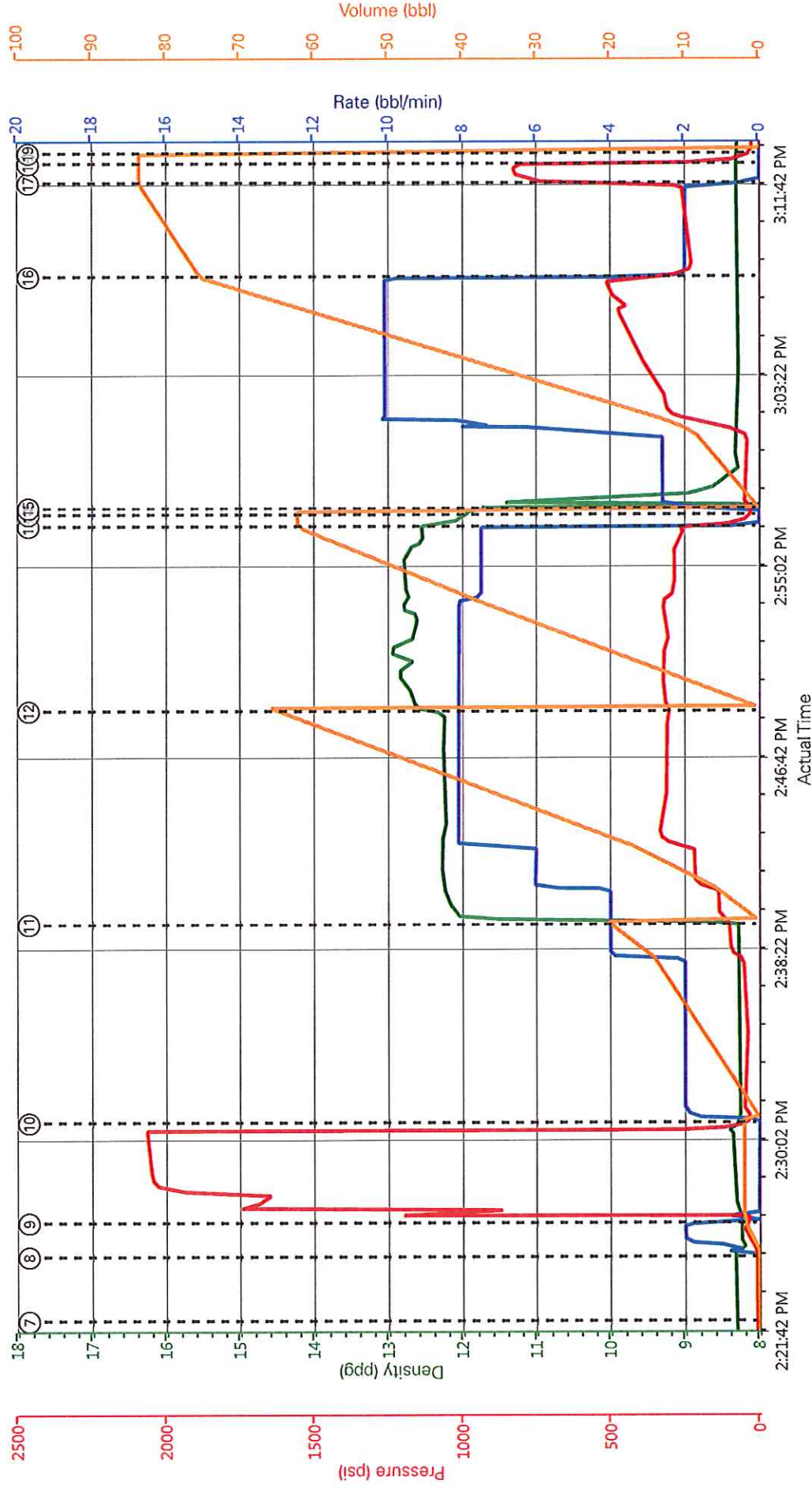
Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psd)	Pump Stg Tot (bbl)	Comment
Event	1	Call Out	Call Out	4/25/2014	09:30:00	USER					ON LOCATION TIME 1330
Event	2	Crew Leave Yard	Crew Leave Yard	4/25/2014	11:00:00	USER					ALL HES PRESENT FOR PRE-CONVOY SAFETY HUDDLE
Event	3	Arrive At Loc	Arrive At Loc	4/25/2014	13:00:00	USER					RIG HAD JUST FINISHED RUNNING CASING WHEN THE CREW ARRIVED ON LOCATION
Event	4	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	4/25/2014	13:15:00	USER					TD-1119', TP-1119', SJ-39', MUD-10.2 PPG, HOLE-13 1/2", SURFACE CASING-9 5/8" 32.3# H-40
Event	5	Rig-Up Equipment	Rig-Up Equipment	4/25/2014	13:30:00	USER					1-550 PICKUP, 1-ELITE PUMP, 1-660 CUFT BULK TRUCK
Event	6	Pre-Job Safety Meeting	Pre-Job Safety Meeting	4/25/2014	14:15:00	USER					ALL HES PRESENT, RIG CREW PRESENT, RIG TD CASING @ 1300
Event	7	Start Job	Start Job	4/25/2014	14:22:18	COM6					
Event	8	Prime Pumps	Prime Pumps	4/25/2014	14:25:06	COM6	8.33	2	52	2	FILL LINES
Event	9	Test Lines	Test Lines	4/25/2014	14:26:35	COM6	8.25	.1	2066	.1	GOOD PRESSURE TEST, NO LEAKS IN THE LINES
Event	10	Pump Spacer 1	Pump Spacer 1	4/25/2014	14:30:57	COM6	8.30	4	106	20	FRESH WATER
Event	11	Pump Lead Cement	Pump Lead Cement	4/25/2014	14:39:36	COM6	12.3	8	311	63.6	150 SKS 12.3 PPG 2.38 FT3/SK 13.77 GAL/SK
Event	12	Pump Tail Cement	Pump Tail Cement	4/25/2014	14:48:53	COM6	12.8	8	326	60.1	160 SKS 12.8 PPG 2.11 FT3/SK 11.77 GAL/SK
Event	13	Shutdown	Shutdown	4/25/2014	14:56:56	USER					
Event	14	Drop Top Plug	Drop Top Plug	4/25/2014	14:57:27	COM6					PLUG DROP VERIFIED VIA TATTLE TELL

HALLIBURTON

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS
901295465
Case 1

Event	15	Pump Displacement	Pump Displacement	4/25/2014	14:57:44	COM6	8.45	10	520	75	FRESH WATER, WASHED UP ON TOP OF THE PLUG WITH THE FIRST 10 BBL OF DISPLACEMENT OUT OF THE MIXING TUB
Event	16	Slow Rate	Slow Rate	4/25/2014	15:07:51	USER	8.28	2	234	10	GOOD RETURNS, CIRCULATED 25 BBL OF CEMENT TO SURFACE
Event	17	Bump Plug	Bump Plug	4/25/2014	15:11:56	COM6			262	85	PLUG BUMPED
Event	18	Check Floats	Check Floats	4/25/2014	15:12:47	USER			830	85	FLOATS HELD, 1/2 BBL BACK TO THE DISPLACEMENT TANKS
Event	19	End Job	End Job	4/25/2014	15:13:15	COM6					THANK YOU FOR CHOOSING HALLIBURTON, THOMAS PONDER AND CREW

WPX - RWF 23-25 - 9.625 IN SURFACE



DH Density (ppg) Comb Pump Rate (bbl/min) PS Pump Press (psi) Pump Stg Tot (bbl)

- ① Call Out n/a; n/a; n/a
- ② Crew Leave Yard n/a; n/a; n/a
- ③ Arrive At Loc n/a; n/a; n/a
- ④ Assessment Of Location Safety Meeting n/a; n/a; n/a
- ⑤ Rig-Up Equipment n/a; n/a; n/a
- ⑥ Pre-Job Safety Meeting 8.37; 0; 10; 0
- ⑦ Start Job 8.31; 0; 8; 0
- ⑧ Prime Pumps 8.33; 0; 10; 0
- ⑨ Test Lines 8.25; 0; 33; 2
- ⑩ Pump Spacer 1 8.3; 0; 31; 0
- ⑪ Pump L
- ⑫ Pump Tz

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Created: 2014-04-25 13:50:04, Version: 3.0.121

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 4/25/2014 1:53:26 PM

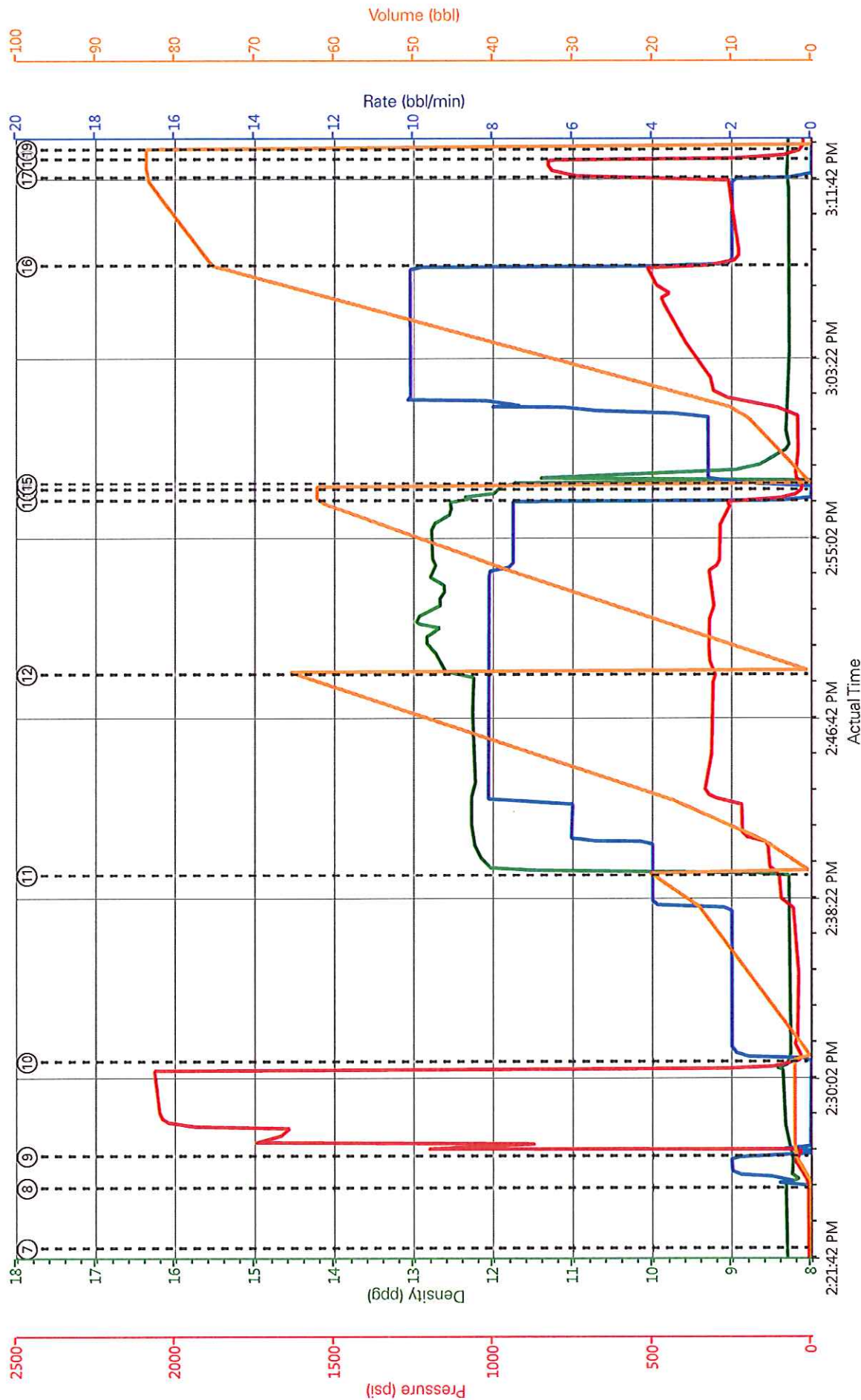
Well: RWF 23-25

Representative: LUKE HUBBARD

Sales Order #: 901295465

ELITE #7: ANDREW LINN / THOMAS PONDER

WPX - RWF 23-25 - 9.625 IN SURFACE



HALLIBURTON

Company:	<u>WPX</u>	Date:	<u>4/25/2014</u>
Submitted by:	<u>THOMAS PONDER</u>	Date Rec.:	<u>4/25/2014</u>
Attention:	<u>LARRY COOKSEY</u>	S.O.#	<u>901295465</u>
Lease	<u>RWF</u>	Job Type:	<u>SURFACE</u>
Well #	<u>23-25</u>		

Specific Gravity	<i>MAX</i>	<i>1</i>
pH	<i>8</i>	<i>7</i>
Potassium (K)	<i>5000</i>	<i>250 Mg / L</i>
Calcium (Ca)	<i>500</i>	<i>120 Mg / L</i>
Iron (FE2)	<i>300</i>	<i>0 Mg / L</i>
Chlorides (Cl)	<i>3000</i>	<i>0 Mg / L</i>
Sulfates (SO ₄)	<i>1500</i>	<i>0 Mg / L</i>
Carbonates hardness		
Temp	<i>40-80</i>	<i>65 Deg</i>
Total Dissolved Solids		<i>185 Mg / L</i>

Respectfully: THOMAS PONDER

Title: CEMENTING SUPERVISOR

Location: GRAND JCT, CO

Sales Order #: 0901295465	Line Item: 10	Survey Conducted Date: 4/25/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: LUKE HUBBARD		API / UWI: (leave blank if unknown) 05-045-21985
Well Name: RWF		Well Number: N/A
Well Type: OIL & GAS WELL	Well Country: USA	
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	4/25/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HX41187
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	LUKE HUBBARD
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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KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	4/25/2014

Cementing KPI Survey	
Type of Job Select the type of job. (Cementing or Non-Cementing)	0
Select the Maximum Deviation range for this Job What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	2
HSE Incident, Accident, Injury HSE Incident, Accident, Injury. This should be recordable incidents only.	No
Was the job purpose achieved? Was the job delivered correctly as per customer agreed design?	Yes
Operating Hours (Pumping Hours) Total number of hours pumping fluid on this job. Enter in decimal format.	1
Customer Non-Productive Rig Time (hrs) 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
Type of Rig Classification Job Was Performed Type Of Rig (classification) Job Was Performed On	Drilling Rig (Portable)
Number Of JSAs Performed Number Of Jsas Performed	6
Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time.	0
Was this a Primary Cement Job (Yes / No)	Yes

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Customer Representative: LUKE HUBBARD		API / UWI: (leave blank if unknown) 05-045-21985
Well Name: RWF		Well Number: N/A
Well Type: OIL & GAS WELL	Well Country: USA	
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	98
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	99
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