

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

RGU 333-24-198

Cyclone 29

Post Job Summary

Cement Surface Casing

Date Prepared: 04/24/2014

Submitted by: Grand Junction Cement Engineering

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3276458	Quote #: 0021827428	Sales Order #: 0901273408
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: ANDREW BRUNK	
Well Name: FEDERAL	Well #: RGU 333-24-198	API/UWI #: 05-103-12084-00	
Field: SULPHUR CREEK	City (SAP): MEE	County/Parish: RIO BLANCO	State: COLORADO
Legal Description: 24-1S-98W-2139FSL-1698FEL			
Contractor: CYCLONE		Rig/Platform Name/Num: CYCLONE 29	
Job BOM: 392189			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180		Srvc Supervisor: Bill Jamison	

Job

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type			BHST 115 degF
Job depth MD	3948ft		Job Depth TVD
Water Depth			Wk Ht Above Floor 4
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			14.75				0	1750		0
Casing		9.625	8.921	36		J-55	0	3944		0
Open Hole Section			13.5				1750	3948	0	0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625	1		3944	Top Plug	9.625		HES
Float Shoe	9.625				Bottom Plug	9.625		HES
Float Collar	9.625	1			SSR plug set	9.625		HES
Insert Float	9.625				Plug Container	9.625	1	HES
Stage Tool	9.625	1		1820	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	Fresh Water	40	bbl	8.3			4		

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	Stage 1 HLC Lead	VERSACEM (TM) SYSTEM	580	sack	12.8	1.77		8	9.33
9.33 Gal		FRESH WATER							
0.35 %		HR-5, 50 LB SK (100005050)							
0.25 lbm		POLY-E-FLAKE (101216940)							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	Stage 1 VariCem Tail	VERSACEM (TM) CEMENT	230	sack	12.8	1.96		8	10.95
10.91 Gal		FRESH WATER							
0.25 lbm		POLY-E-FLAKE (101216940)							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
4	Displacement	Displacement	297	bbl	8.3				
Cement Left In Pipe	Amount	22.4 ft		Reason	Shoe Joint				
Fluid Data									
Stage/Plug #: 2									
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
1	Fresh Water	Fresh Water	25	bbl	8.3			4	
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
2	Stage 2 VariCem Lead	VERSACEM (TM) CEMENT	1060	sack	12.8	1.96		8	10.96
0.25 lbm		POLY-E-FLAKE (101216940)							
10.91 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	Displacement	Displacement	140.7	bbl	8.3			10	
Cement Left In Pipe	Amount	0 ft		Reason	Shoe Joint				
Comment									

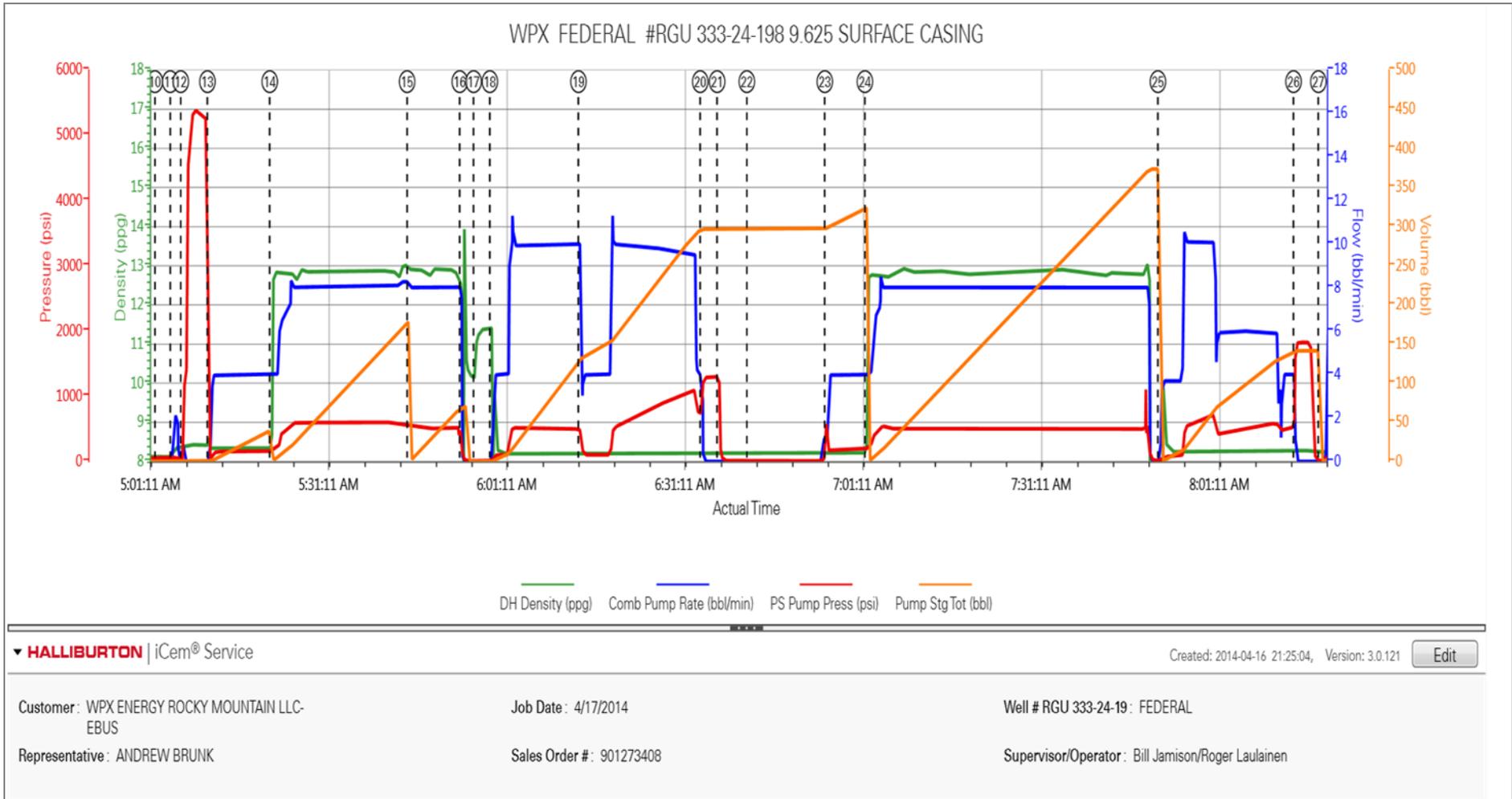
4.1 Job Event Log

Type	Seq. No.	Graph Label/Activity	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comment
Event	1	Call Out	4/16/2014	13:00:00	USER					TD 3952 TP 3953 SJ 22.40 CASING 9.626 36# J-55 OPEN HOLE 14.75 TO 1750 13.5 OPEN HOLE FROM 1750 TO 3952 STAGE TOOL SET @ 1820 SHOE DEPTH 3948 MUD 9#
Event	2	Depart Yard Safety Meeting	4/16/2014	15:10:00	USER					
Event	3	Crew Leave Yard	4/16/2014	15:30:00	USER					
Event	4	Arrive At Loc	4/16/2014	18:30:00	USER					
Event	5	Assessment Of Location Safety Meeting	4/16/2014	18:40:00	USER					
Event	6	Wait on Customer or Customer Sub-Contractor Equip - Start Time	4/16/2014	19:00:00	USER					RIG MAKING BIT TRIP AND RUNNING CASING
Event	7	Pre-Rig Up Safety Meeting	4/17/2014	02:00:00	USER					
Event	8	Wait on Customer or Customer Sub-Contractor Equipment - End Time	4/17/2014	04:00:00	USER					
Event	9	Pre-Job Safety Meeting	4/17/2014	04:30:00	USER					
Event	10	Start Job	4/17/2014	05:02:20	COM2					
Event	11	Prime Pumps	4/17/2014	05:04:55	COM2	8.4	2	66.00	2	FRESH WATER
Event	12	Test Lines	4/17/2014	05:06:41	COM2	8.34		5000		
Event	13	Pump Spacer 1	4/17/2014	05:11:10	COM2	8.33	4	155	40	FRESH WATER
Event	14	Pump Lead Cement	4/17/2014	05:21:40	COM2	12.8	8	605	180	MIXED @ 12.8 YIELD 1.77 WAT/REQ 9.32 580 SKS
Event	15	Pump Tail Cement	4/17/2014	05:44:47	COM2	12.8	8	533	70.5	MIXED @ 12.8 YIELD 1.96 WAT/REQ 10.95 230 SKS
Event	16	Shutdown	4/17/2014	05:53:39	USER					
Event	17	Drop Plug	4/17/2014	05:56:00	USER					
Event	18	Pump Displacement	4/17/2014	05:58:43	COM2	8.4	10	16.00		

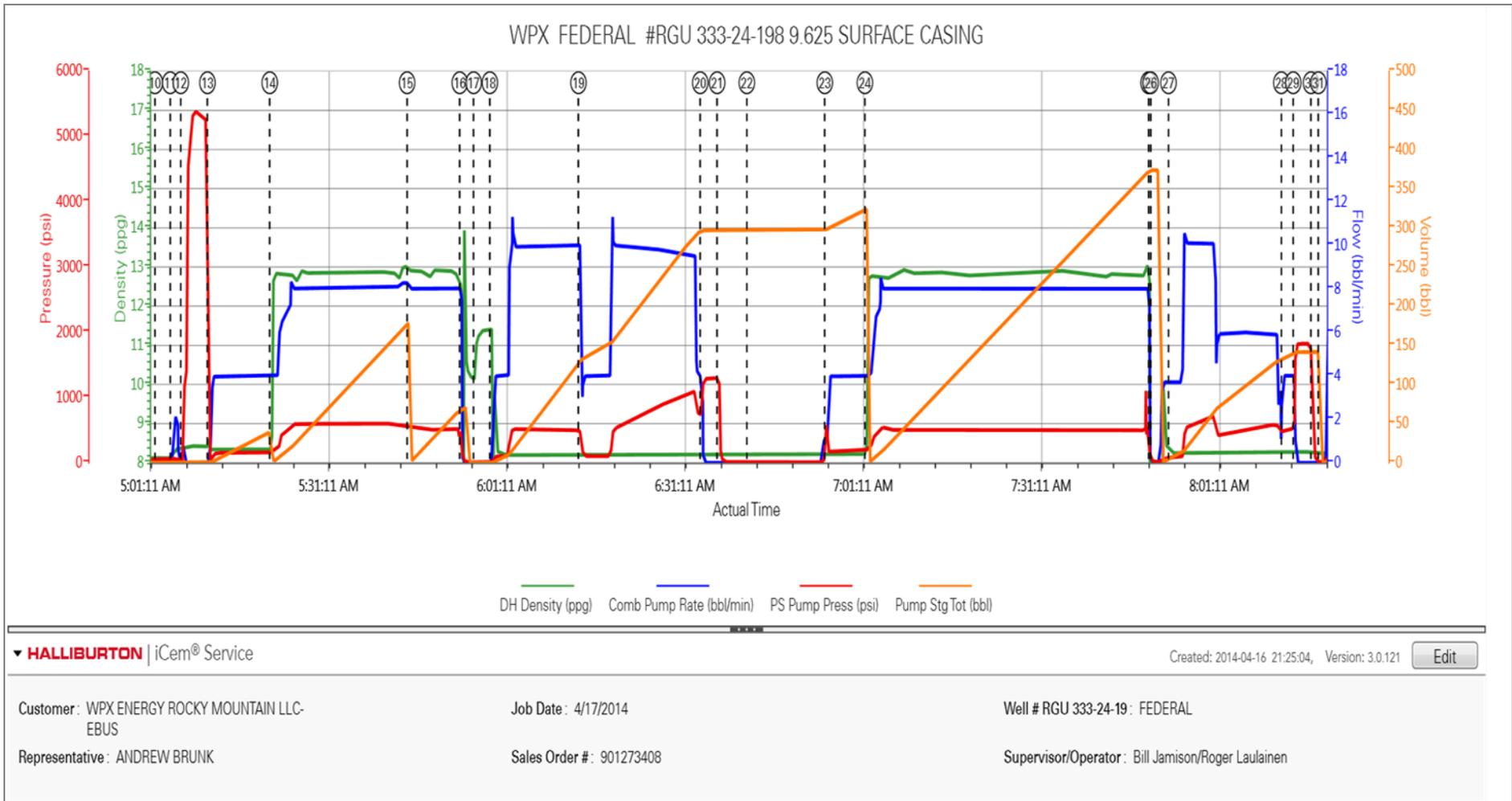
Event	19	Slow Rate	4/17/2014	06:13:39	USER	8.4	4	499	130	SLOWED RATE TO PASS THRU STAGE TOOL
Event	20	Bump Plug	4/17/2014	06:34:09	COM2	8.24	4	750	297.0	PRESSURED UP TO 1300 PSI
Event	21	Check Floats	4/17/2014	06:37:00	USER					FLOATS HOLDING 1.5 BBLS BACK
Event	22	Drop Opening Device For Multiple Stage Cementer	4/17/2014	06:42:00	USER					
Event	23	Open Multiple Stage Cementer	4/17/2014	06:55:07	USER	8.4	4	624		PUMP 25 BBLS FRESH WATER AFTER OPENING TOOL
Event	24	Pump Tail Cement	4/17/2014	07:01:52	COM2	12.8	8	526	373	MIXED @ 12.8 YIELD 1.96 WAT/REQ 10.95 1060 SKS
Event	25	Shutdown	4/17/2014	07:49:38	USER					
Event	26	Drop Plug	4/17/2014	07:50:00	USER					
Event	27	Pump Displacement	4/17/2014	07:53:00	COM2	8.4	10			FRESH WATER
Event	28	Slow Rate	4/17/2014	08:12:00	USER	8.4	4	520	130	I
Event	29	Bump Plug	4/17/2014	08:14:00	COM2	8.4	4	520	140	PRESSURED UP TO 1826 PSI
Event	30	Check Floats	4/17/2014	08:17:00	USER					STAGE TOOL CLOSED AND HOLDING
Event	31	End Job	4/17/2014	08:18:14	COM2					GOOD CIRCULATION THROUGHOUT JOB CIRCULATED 40 BBLS OF CEMENT OFF STAGE TOOL FRIST STAGE 2 ND STAGE 110 BBLS OF CEMENT BACK TO SURFACE
Event	32	Post-Job Safety Meeting (Pre Rig-Down)	4/17/2014	08:20:00	USER					USED 12 BBLS OF CEMENT TO TOP OUT WELL # RUG 533-24-198
Event	33	Depart Location Safety Meeting	4/17/2014	08:50:00	USER					CASING WAS NOT MOVED THROUGHOUT JOB
Event	34	Crew Leave Location	4/17/2014	09:00:00	USER					THANKS FOR USING HALLIBURTON BILL JAMISON & CREW

5.0 Attachments

5.1 WPX-FEDERAL RGU 333-24-198 9.625 SUEFACE 2 STAGE.png



5.2 WPX-FEDERAL RGU 33-24-198 9.625 SURFACE CASING 2 STAGE.png



HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: BILL JAMISON
Attention: DALLAS SCOTT
Lease: FED RGU
Well #: 333-24-198

Date: 4/16/2014
Date Rec.: 4/16/2014
S.O.#: 901273408
Job Type: 9 5/8" SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	8
Potassium (K)	<i>5000</i>	400 Mg / L
Calcium (Ca)	<i>500</i>	120 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	0 Mg / L
Sulfates (SO ₄)	<i>1500</i>	-200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	52 Deg
Total Dissolved Solids		210 Mg / L

Respectfully: BILL JAMISON

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.

Sales Order #: 0901273408	Line Item: 10	Survey Conducted Date: 4/17/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT MULTIPLE STAGES BOM
Customer Representative: ANDREW BRUNK		API / UWI: (leave blank if unknown) 05-103-12078-00
Well Name: FEDERAL		Well Number: 0080359358
Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	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	4/17/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HAL9235
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	ANDREW 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	NONE

CUSTOMER SIGNATURE

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KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	4/17/2014
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	Deviated
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	6
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)	4
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	5
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: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: RIO BLANCO

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?	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	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	98
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