

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

PA 514-2

Aztec 1000

Post Job Summary

Cement Surface Casing

Date Prepared: 04/20/2014

Submitted by: Grand Junction Cement Engineering

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3191534	Quote #:	Sales Order #: 0901271470
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: FRANK MOORE	
Well Name: WPX ENERGY	Well #: PA 514-2	API/UWI #: 05-045-22139-00	
Field: PARACHUTE	City (SAP): PAR	County/Parish: GARFIELD	State: COLORADO
Legal Description: NE SW-2-7S-95W-2003FSL-1562FWL			
Contractor:		Rig/Platform Name/Num: AZTEC 1000	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HAM2616		Srcv Supervisor: Francisco Javier Castillo	
Job			

Formation Name			
Formation Depth (MD)	Top	Bottom	985
Form Type	BHST		
Job depth MD	985ft	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	985		0
Casing		9.625	9.001	32.3	8 RD	H-40	0	975	0	0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625	1	WTF	975	Top Plug	9.625	1	HES
Float Shoe					Bottom Plug			
Float Collar	9.625	1	WTF	930	SSR plug set			
Insert Float					Plug Container	9.625	1	HES
Stage Tool					Centralizers	9.625	9	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	50	bbl	8.34			6		
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	Tail Cement	VARICEM (TM) CEMENT	275	sack	12.8	2.11		7	11.77	
11.71 Gal		FRESH WATER								

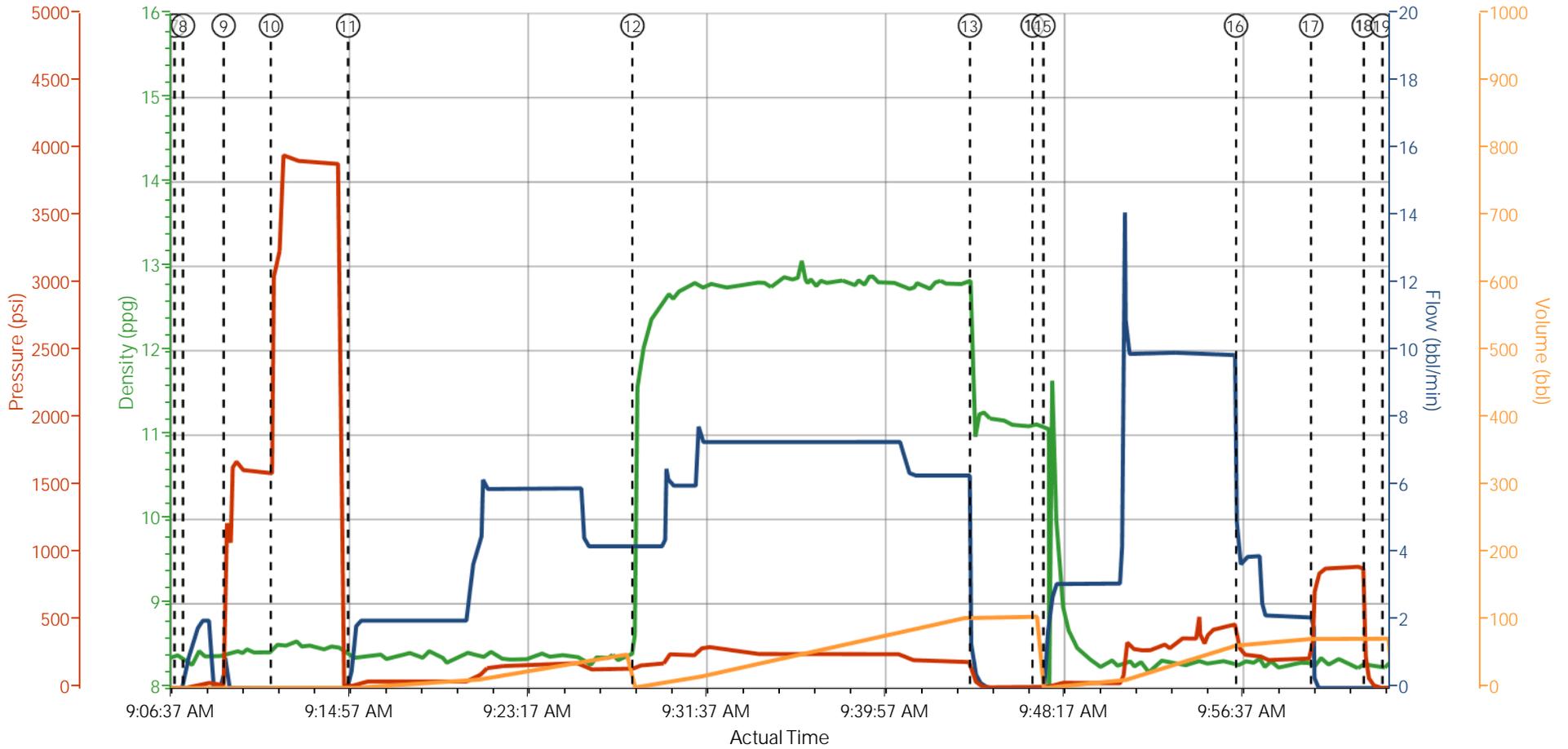
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	Displacement	Displacement	73	bbl	8.34			10	
Cement Left In Pipe		Amount 48 ft	Reason			Shoe Joint			
Comment									

1.1 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	20:00:00	USER					ON LOCATION AT 04:00 HRS
Event	2	DEPART YARD SAFETY MEETING	4/16/2014	20:50:00	USER					
Event	3	LEAVE THE YARD	4/16/2014	21:00:00	USER					
Event	4	ARRIVE ON LOCATION	4/16/2014	22:00:00	USER					RIG WAS STILL DRILLING / STAGED TRUCKS AT A NEAR BY LOCATION TILL THE RIG SITE WAS CLEARED
Event	5	START RUNNING CASING	4/17/2014	06:00:00	USER					LANDED CASING T 08:00 HRS
Event	6	PRE-JOB SAFETY MEETING	4/17/2014	09:00:00	USER					ALL HES PERSONEL AND RIG CREW
Event	7	START JOB	4/17/2014	09:07:00	COM5					TD-985', OH-13.5", TP-975', SJ-45', FC-930', CSG-9.625", 32.3#, H-40, MUD-10.4 PPG, FV-58, PV-20, YP-16, pH-9.3
Event	8	FILL LINES	4/17/2014	09:07:23	USER	8.33 PPG	2 BPM	39 PSI	2 BBLS	FRESH WATER
Event	9	STALL OUT	4/17/2014	09:09:17	COM5					TESTED AT 1620 PSI
Event	10	TEST LINES	4/17/2014	09:11:29	COM5					TESTED AT 3911 PSI
Event	11	PUMP WATER SPACER	4/17/2014	09:15:05	COM5	8.33 PPG	6 BPM	185 PSI	50 BBLS	
Event	12	PUMP CEMENT SLURRY	4/17/2014	09:28:20	COM5	12.8 PPG	7 BPM	258 PSI	103 BBLS	275 SKS, 12.8 PPG, 2.11 FT3/SK, 11.77 GAL/SK, SETUP TIME 1:51 HRS AT 70 BC
Event	13	SHUTDOWN	4/17/2014	09:44:04	USER					
Event	14	DROP PLUG	4/17/2014	09:46:59	USER					VERIFIED BY CUSTOMER
Event	15	PUMP DISPLACEMENT	4/17/2014	09:47:30	COM5	8.33 PPG	10 BPM	452 PSI	63 BBLS	FRESH WATER
Event	16	SLOW RATE	4/17/2014	09:56:28	USER	8.33 PPG	2 BPM	217 PSI	10 BBLS	
Event	17	BUMP PLUG	4/17/2014	09:59:58	COM5			899 PSI	TOTAL DISP. 73 BBLS	CIRCULATED 28 BBLS/75 SKS OF CEMENT TO SURFACE
Event	18	CHECK FLOATS	4/17/2014	10:02:25	USER					FLOATS HELD WITH .75 BBL FLOW BACK TO DISPLACEMENT TANK
Event	19	END JOB	4/17/2014	10:03:18	USER					40 LBS OF SUGAR IN CELLAR AND HAD GOOD CIRCULATION THROUGH OUT THE JOB
Event	20	RIG DOWN SAFETY	4/17/2014	10:10:00	USER					

MEETING						
Event	21	RIG DOWN COMPLETE	4/17/2014	11:30:00	USER	
Event	22	DEPART LOCATION SAFETY MEETING	4/17/2014	11:45:00	USER	NO INJURIES TO REPORT AFTER THE JOB
Event	23	CREW LEAVE LOCATION	4/17/2014	12:00:00	USER	FIELD TICKET WAS VERIFIED WITH BRITNEY
Event	24	THANK YOU	4/17/2014	12:01:00	USER	THANK YOU FOR YOUR BUSINESS FROM JAVIER CASTILLO AND CREW

WPX PA 514-2 9 5/8 SURFACE



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

- CALL OUT n/a;n/a;n/a;n/a
- DEPART YARD SAFETY MEETING n/a;n/a;n/a;n/a
- LEAVE THE YARD n/a;n/a;n/a;n/a
- ARRIVE ON LOCATION n/a;n/a;n/a;n/a
- START RUNNING CASING n/a;n/a;n/a;n/a
- PRE-JOB SAFETY MEETING 8.34;0;60;22.3
- START JOB 8.42;0;0;0
- FILL LINES 8.37;0.9;1;0.1
- STALL OUT 8.4;0;1214;2
- TEST LINES 8.5;0;3144;2
- PUMP WATER SPACER 8.4;0.9;16;0
- PUMP CEMENT SLURRY 11.17;4.2;151;1.2
- SHUTDOWN 11.08;0.7;70;105.7
- DROP PLUG 11.13;0;5;105.8
- PUMP DISPLACEMENT 11.11;0.7;5;0
- SLOW RATE 8.24;3.6;287;64
- BUMP PLUG 8.25;0;756;73.1
- CHECK FLOATS 8.31;0;101;73.1
- END JOB 8.31;0;1;73.1
- 20 RIG DOWN SAFETY MEETING n/a;n/a;n/a;n/a

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Created: 2014-04-17 08:22:16, Version: 3.0.121

Edit

Customer : WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date : 4/17/2014 8:23:53 AM

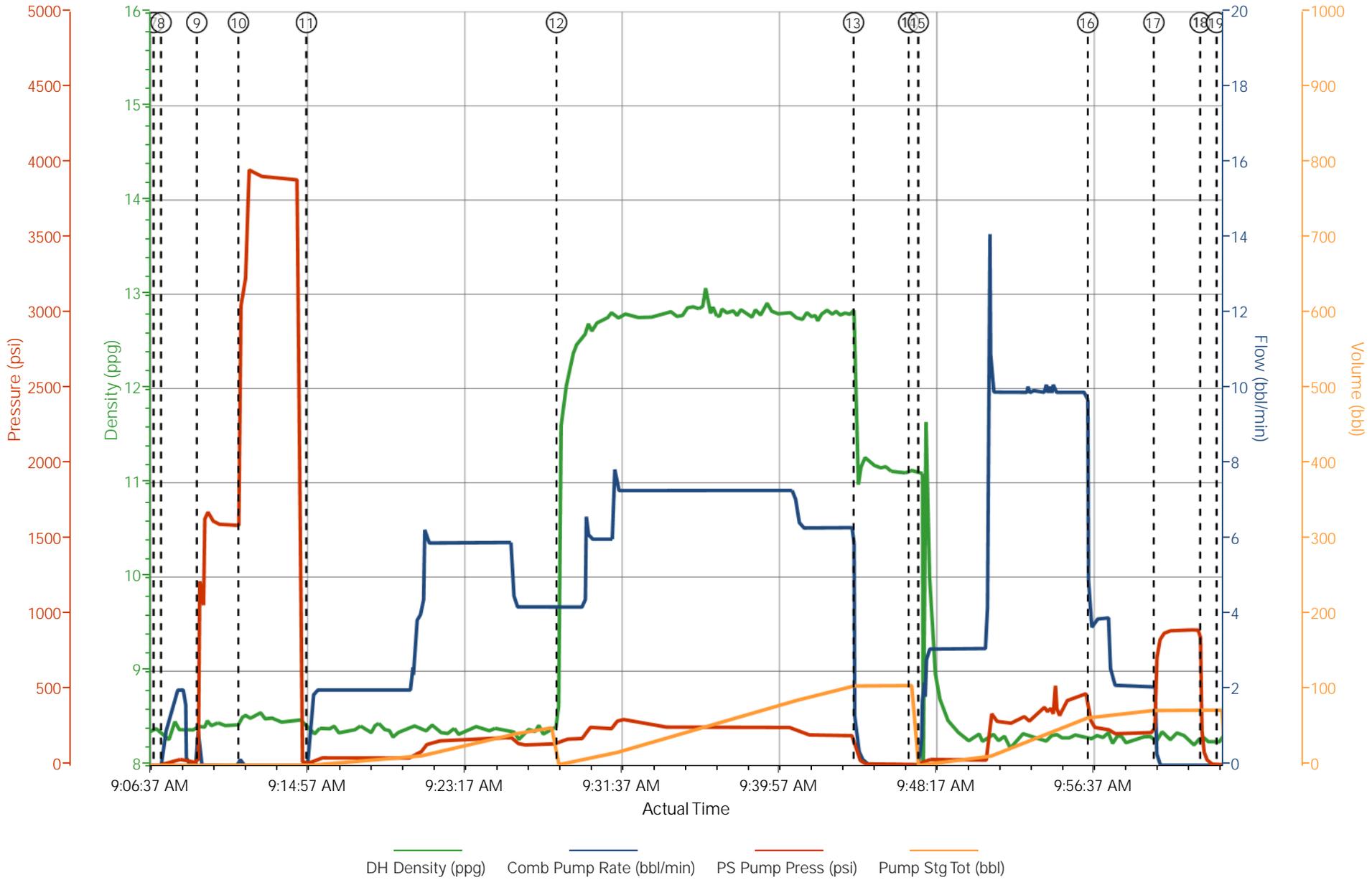
Well : PA 514-2

Representative : FRANK MOORE

Sales Order # : 901271470

ELITE #2 : J. CASTILLO / DAN SINCLAIR

WPX PA 514-2 9 5/8 SURFACE



HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: JAVIER CASTILLO
Attention: Chuck Ross
Lease: PA
Well #: 514-2

Date: 4/17/2014
Date Rec.: 4/17/2014
S.O.#: 901271470
Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	200 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>	40 Deg
Total Dissolved Solids		210 Mg / L

Respectfully: JAVIER CASTILLO

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

Sales Order #: 0901271470	Line Item: 10	Survey Conducted Date: 4/17/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: BRANDON HARIE		API / UWI: (leave blank if unknown) 05-045-22139-00
Well Name: WPX ENERGY		Well Number: 0080226428
Well Type: DIRECTIONAL GAS	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	4/17/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HB85312
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	BRANDON HARIE
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	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	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	13
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)	1
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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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	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	95
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