

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

GM 311-13

H&P 318

Post Job Summary

Cement Production Casing

Date Prepared: 6/28/2014
Job Date: 6/26/2014

Submitted by: Tony Eschete - Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3273362	Quote #:	Sales Order #: 0901451043
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: W.C . WILSON	
Well Name: C&C ENERGY	Well #: GM 311-13	API/UWI #: 05-045-22267-00	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: GARFIELD	State: COLORADO
Legal Description: SW SW-12-7S-96W-285FSL-980FWL			
Contractor:		Rig/Platform Name/Num: H&P 318	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180		Srcv Supervisor: Jesse Slaughter	
Job			

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	1305.7ft Job Depth TVD
Water Depth	Wk Ht Above Floor 4ft
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	1305.7	0	0
Casing		9.625	9.001	32.3	8 RD	H-40	0	1305.7	0	0

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make	
Guide Shoe	9.625	1		1305.7	Top Plug	9.625	1	HES	
Float Shoe	9.625				Bottom Plug	9.625		HES	
Float Collar	9.625				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	Qty	Conc

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	20	bbl	8.34			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	Lead Cement	VARICEM (TM) CEMENT	165	sack	12.3	2.38		8	13.77	
13.72 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	Tail Cement	VARICEM (TM) CEMENT	165	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/mi n	Total Mix Fluid Gal	
4	Displacement	Displacement	99.3	bbl	8.34			10		
Cement Left In Pipe		Amount	44.05 ft		Reason			Shoe Joint		
Comment										

Summary Report



Sales Order #: 0901451043
WO #: 0901451043
PO/AFE #: NA

Crew: _____

Job Start Date: 6/25/2014

Customer:	WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Field:	GRAND VALLEY	Job Type:	CMT SURFACE CASING BOM
UWI / API Number:	05-045-22267-00	County/Parish:	GARFIELD	Service Supervisor:	Jesse Slaughter
Well Name:	C&C ENERGY	State:	COLORADO		
Well No:	GM 311-13	Latitude:	39.445647	Cust Rep Name:	W.C . WILSON
		Longitude:	-108.064669	Cust Rep Phone #:	
		Sect / Twn / Rng:	12/7/96		

Remarks:		
<i>The Information Stated Herein Is Correct</i>	Customer Representative Signature	Date
	Customer Representative Printed Name	

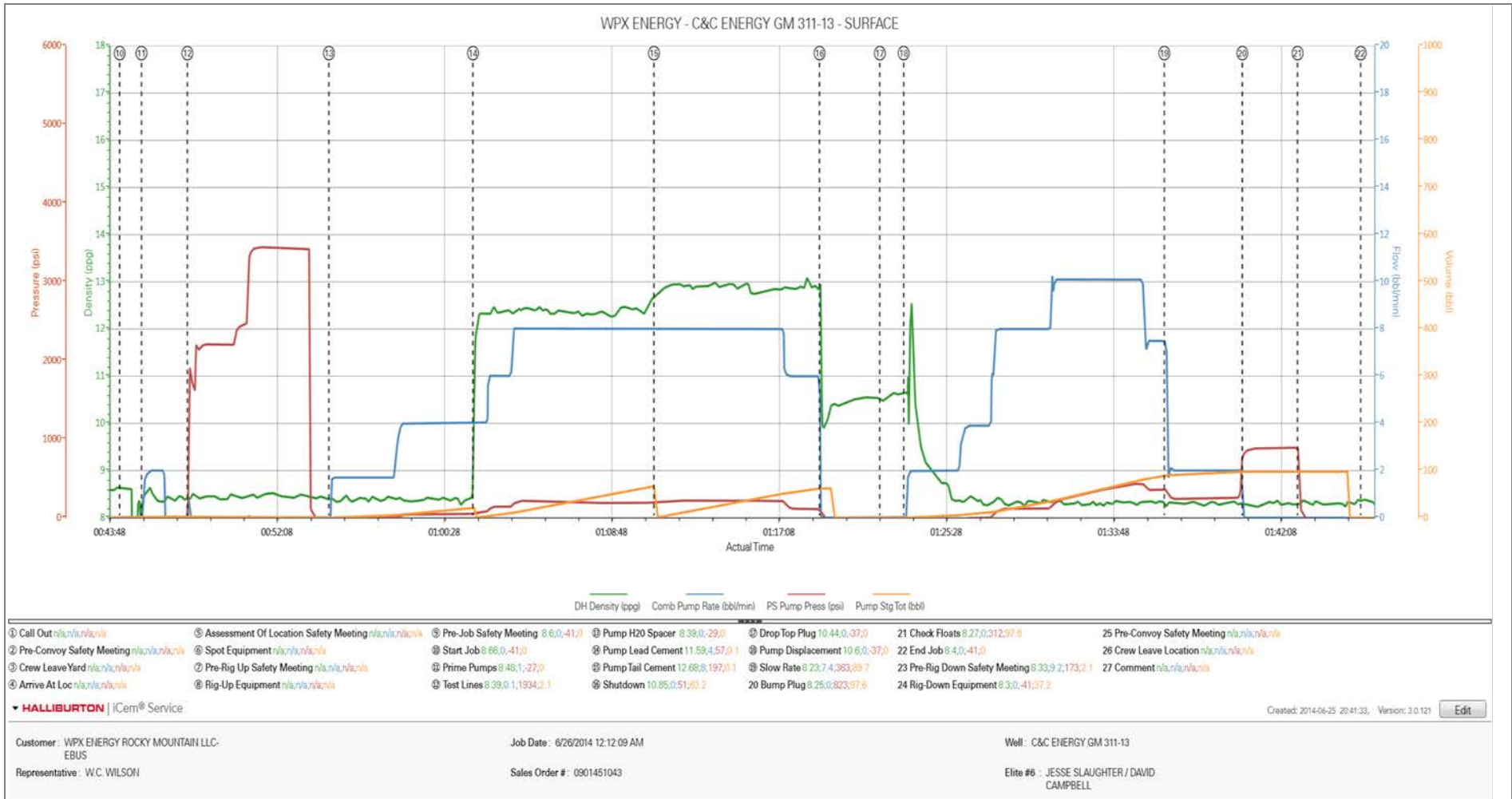
3.1 Job Event Log

Type	Seq. No.	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	6/25/2014	16:30:00	USER					
Event	2	Pre-Convoy Safety Meeting	6/25/2014	18:50:00	USER					WITH ALL HES PERSONNEL
Event	3	Crew Leave Yard	6/25/2014	19:00:00	USER					
Event	4	Arrive At Loc	6/25/2014	20:00:00	USER					RIG WAS PULLING DRILLPIPE UPON HES ARRIVAL
Event	5	Assessment Of Location Safety Meeting	6/25/2014	23:00:00	USER					WITH ALL HES PERSONNEL
Event	6	Other	6/25/2014	23:10:00	USER					
Event	7	Pre-Rig Up Safety Meeting	6/25/2014	23:20:00	USER					WITH ALL HES PERSONNEL
Event	8	Rig-Up Equipment	6/25/2014	23:30:00	USER					
Event	9	Pre-Job Safety Meeting	6/26/2014	00:30:00	USER	8.61	0.00	-41.00	0.0	WITH ALL PERSONNEL
Event	10	Start Job	6/26/2014	00:44:23	COM7	8.66	0.00	-41.00	0.0	TD 1305.7 FT, TP 1305.7 FT, 44.05 FT, CSG 9 5/8 IN 32.3 LB/FT, HOLE 13 1/2 IN, MUD WT 9.5 PPG
Event	11	Prime Pumps	6/26/2014	00:45:28	USER	8.48	0.90	-29.00	0.0	FRESH WATER
Event	12	Test Lines	6/26/2014	00:47:45	COM7	8.40	0.70	1907.00	2.1	TESTED LINES TO 3440 PSI PRESSURE HOLDING
Event	13	Pump Spacer 1	6/26/2014	00:54:48	COM7	8.39	0.00	-29.00	0.0	FRESH WATER
Event	14	Pump Lead Cement	6/26/2014	01:01:59	COM7	11.17	4.00	55.00	20.9	165 SKS AT 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK
Event	15	Pump Tail Cement	6/26/2014	01:11:00	COM7	12.67	8.00	194.00	67.3	165 SKS AT 12.8 PPG, 2.11 FT3/SK, 11.77 GAL/SK
Event	16	Shutdown	6/26/2014	01:19:14	USER	11.83	0.00	60.00	62.2	
Event	17	Drop Top Plug	6/26/2014	01:22:14	COM7	10.48	0.00	-37.00	0.0	PLUG LAUNCHED
Event	18	Pump Displacement	6/26/2014	01:23:26	COM7	10.68	0.00	-37.00	0.0	FRESH WATER
Event	19	Slow Rate	6/26/2014	01:36:24	USER	8.21	7.50	362.00	89.5	SLOWED RATE 10 BBL PRIOR TO CALCULATED DISPLACEMENT
Event	20	Bump Plug	6/26/2014	01:40:18	COM7	8.28	0.00	817.00	97.6	
Event	21	Check Floats	6/26/2014	01:43:03	USER	8.30	0.00	461.00	97.6	FLOATS HOLDING HES RETURNED 1/2 BBL H2O TO PUMP

Event	22	End Job	6/26/2014	01:46:11	COM7	8.39	0.00	-41.00	0.0	PIPE WAS STATIC DURING JOB GOOD CIRCULATION THROUGHOUT JOB. HES RETURNED 20 BBL CEMENT TO SURFACE. USED 80 LB SUGAR FOR JOB.
Event	23	Pre-Rig Down Safety Meeting	6/26/2014	01:50:00	USER	8.35	9.40	172.00	2.0	WITH ALL HES PERSONNEL
Event	24	Rig-Down Equipment	6/26/2014	02:00:00	USER	8.30	0.00	-42.00	37.2	
Event	25	Pre-Convoy Safety Meeting	6/26/2014	02:50:00	USER					WITH ALL HES PERSONNEL
Event	26	Crew Leave Location	6/26/2014	03:00:00	USER					
Event	27	Comment	6/26/2014	03:01:00	USER					THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JESSE SLAUGHTER AND CREW

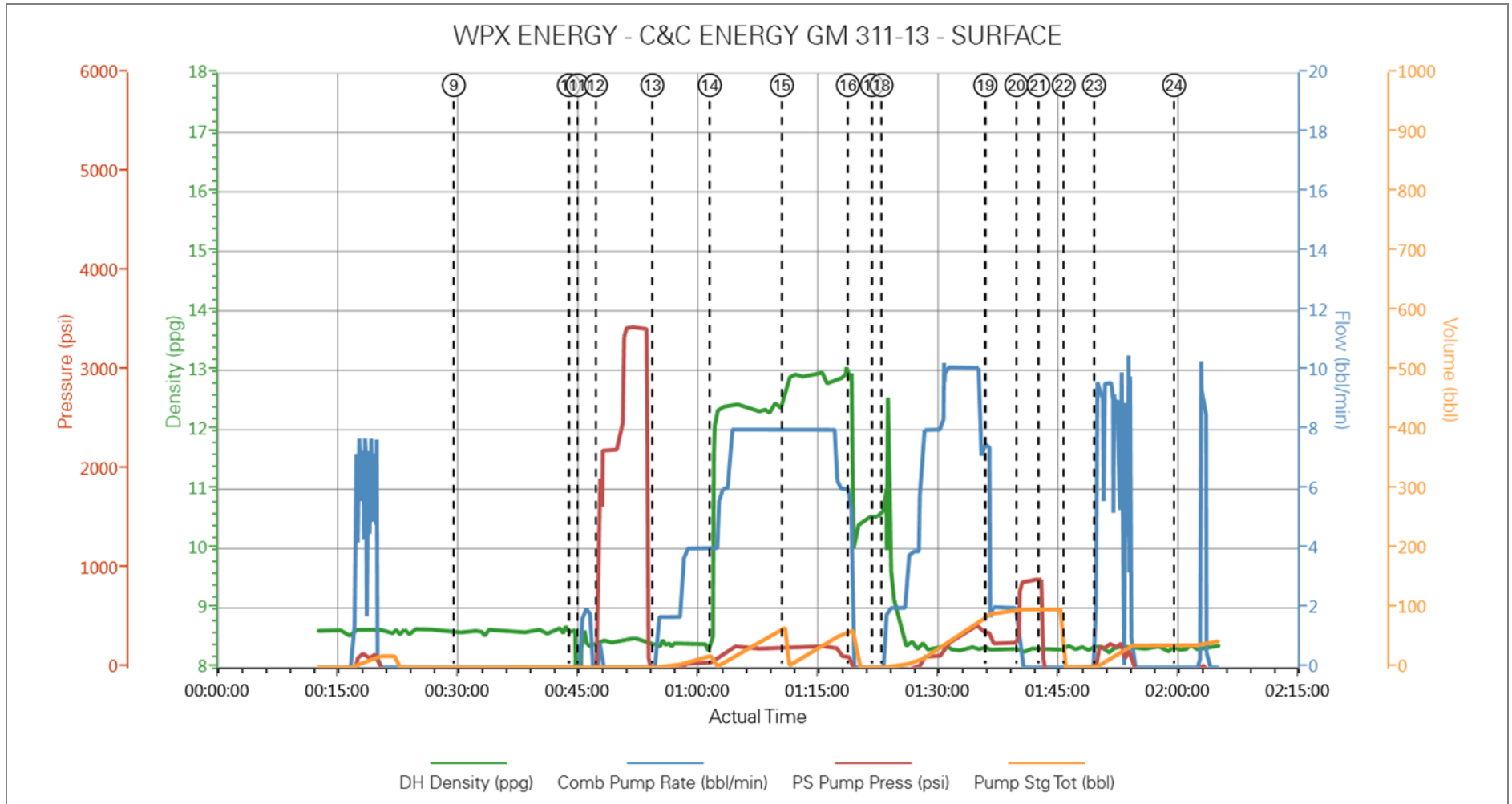
4.0 Attachments

4.1 CHART.png



5.0 Custom Graphs

5.1 Custom Graph



HALLIBURTON

Water Analysis Report

Company: WILLIAMS PRODUCTION

Date: 6/25/2014

Submitted by: JESSE SLAUGHTER

Date Rec.: _____

Attention: LAB

S.O.# 901451043

Lease C&C ENERGY

Job Type: SURFACE

Well # GM 311-13

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	6
Potassium (K)	<i>5000</i>	250 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>	UNDER 200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	70 Deg
Total Dissolved Solids		200 Mg / L

Respectfully: JESSE SLAUGHTER

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 #: 0901451043	Line Item: 10	Survey Conducted Date: 6/26/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: W.C. WILSON		API / UWI: (leave blank if unknown) 05-045-22267-00
Well Name: C&C ENERGY		Well Number: 0080358122
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	6/26/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HB21762
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	W.C. WILSON
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	6/26/2014
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)	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)	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	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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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	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