

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

GM 522-13

H & P 318

Post Job Summary

Cement Surface Casing

Date Prepared: 07/08/2014
Job Date: 04/09/2014

Submitted by: Kory Hugentobler – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3273430	Quote #:	Sales Order #: 0901258025
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: W.C. WILSON	
Well Name: C&C ENERGY		Well #: GM 522-13	API/UWI #: 05-045-22266-00
Field: GRAND VALLEY	City (SAP): PAR	County/Parish: GARFIELD	State: COLORADO
Legal Description: SW SW-12-7S-96W-263FSL-1036FWL			
Contractor:		Rig/Platform Name/Num: H&P 318	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HAL7171		Srvc Supervisor: Andrew Brennecke	
Job			

Formation Name	
Formation Depth (MD)	Top
Form Type	BHST
Job depth MD	1549ft
Water Depth	
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
Casing		9.625	9.001	32.3			0	1549		0
Open Hole Section			13.5				0	1558		0

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	9.625	1		1549		Top Plug	9.625	1	HES
Float Shoe						Bottom Plug			
Float Collar	9.625	1		1504.55		SSR plug set			
Insert Float						Plug Container	9.625	1	HES
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 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 #	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	220	sack	12.3	2.38		8	13.77	

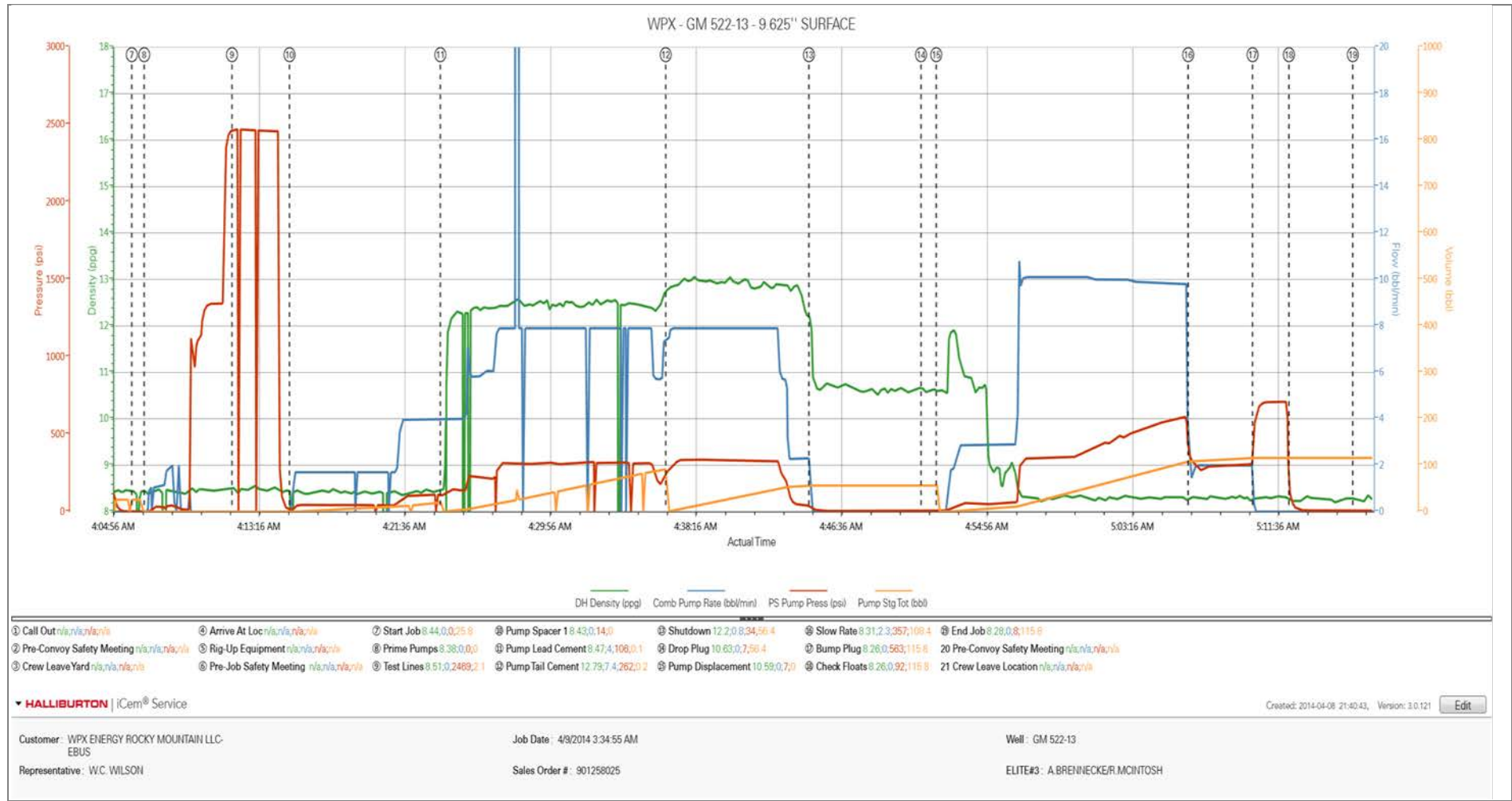
13.72 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Tail Cement	VARICEM (TM) CEMENT	160	sack	12.8	2.11		8	11.77
11.74 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
4	Fresh Water Spacer	Fresh Water Spacer	118.4	bbl	8.34			10	
Cement Left In Pipe		Amount	44.05ft		Reason		Shoe Joint		
Comment									

1.1 Job Event Log

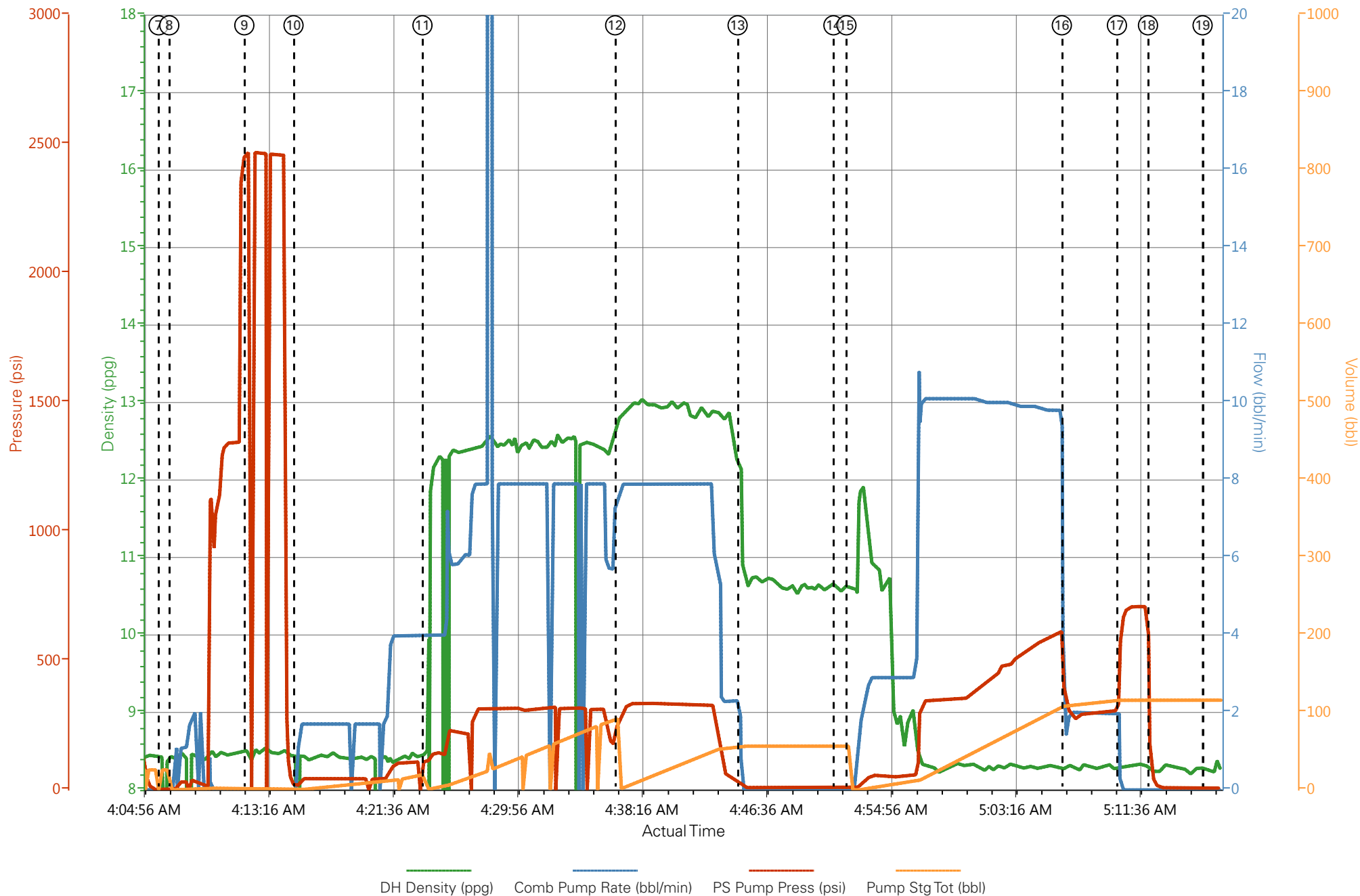
Type	Seq. No.	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comment
Event	1	Call Out	4/8/2014	16:00:00	USER					
Event	2	Pre-Convoy Safety Meeting	4/8/2014	16:45:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	4/8/2014	17:00:00	USER					
Event	4	Arrive At Loc	4/8/2014	20:00:00	USER					RIG RUNNING CASING
Event	5	Rig-Up Equipment	4/9/2014	02:30:00	USER					
Event	6	Pre-Job Safety Meeting	4/9/2014	03:30:00	USER					ALL HES AND RIG CREW PRESENT
Event	7	Start Job	4/9/2014	04:06:04	COM5	8.34	0.00	0.00	0.0	TP-1548.6, FC-1504.55, OH-13.5" CSG-9.625" 32.3#
Event	8	Prime Pumps	4/9/2014	04:06:47	COM5	8.38	2.00	50.00	2.0	FRESH WATER
Event	9	Test Lines	4/9/2014	04:11:49	USER	8.51	0.00	2469.00	2.1	PSI HELD AT 2470
Event	10	Pump Spacer 1	4/9/2014	04:15:06	COM5	8.43	4.00	103.00	20.0	FRESH WATER
Event	11	Pump Lead Cement	4/9/2014	04:23:44	COM5	12.37	8.00	346.00	93.1	220SKS, 12.3PPG, 2.38FT3/SK, 13.77GAL/SK
Event	12	Pump Tail Cement	4/9/2014	04:36:38	COM5	12.79	7.40	332.00	60.2	160SKS, 12.8PPG, 2.11FT3/SK, 11.77GAL/SK
Event	13	Shutdown	4/9/2014	04:44:50	USER	12.21	.00	36.00	0.0	
Event	14	Drop Plug	4/9/2014	04:51:15	USER	10.64	0.00	7.00	0.0	PLUG DROP VERIFIED BY TATTLE TAIL
Event	15	Pump Displacement	4/9/2014	04:52:07	COM5	10.59	10.00	594.00	1080.0	FRESH WATER
Event	16	Slow Rate	4/9/2014	05:06:32	USER	8.31	2.30	300.00	10.4	
Event	17	Bump Plug	4/9/2014	05:10:14	USER	8.26	0.00	338.00	118.4	
Event	18	Check Floats	4/9/2014	05:12:18	USER	8.26	0.00	710.00	118.4	FLOATS HELD, .5 BBLS BACK TO DISP TANK
Event	19	End Job	4/9/2014	05:15:58	USER	8.27	0.00	7.00	118.4	GOOD RETURNS THROUGH OUT JOB, 16 BBL CEMENT BACK TO SURFACE
Event	20	Pre-Convoy Safety Meeting	4/9/2014	06:15:00	USER					ALL HES PRESENT
Event	21	Crew Leave Location	4/9/2014	06:30:00	USER					THANK YOU FOR CHOOSING HALLIBURTON, ANDREW BRENNECKE AND CREW

2.0 Attachments

2.1 Case 1-Custom Results.png



WPX - GM 522-13 - 9.625" SURFACE



HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: A.BRENNECKE

Attention: C.ROSS

Lease GM

Well # 522-13

Date: 4/8/2014

Date Rec.: 4/8/2014

S.O.# 901258025

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	8
Potassium (K)	<i>5000</i>	200 Mg / L
Calcium (Ca)	<i>500</i>	250 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>	55 Deg
Total Dissolved Solids		330 Mg / L

Respectfully: A.BRENNECKE

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.

Sales Order #: 0901258025	Line Item: 10	Survey Conducted Date: 4/9/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-22266-00
Well Name: C&C ENERGY		Well Number: 0080358205
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	4/9/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HB58348
Customer Participation	Did the customer participate in this survey? (Y/N)	No
Customer Representative	Enter the Customer representative name	
HSE	Was our HSE performance satisfactory? Circle Y or N	
Equipment	Were you satisfied with our Equipment? Circle Y or N	
Personnel	Were you satisfied with our people? Circle Y or N	
Customer Comment	Customer's Comment	

CUSTOMER SIGNATURE

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KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	4/9/2014
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	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: 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	8
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