
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 523-12
Parachute
Garfield County , Colorado**

**Cement Surface Casing
04-Sep-2013**

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3099043	Quote #:	Sales Order #: 900718969
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Wilson, W.C	
Well Name: PA		Well #: 523-12	API/UWI #:
Field: Parachute	City (SAP): RIFLE	County/Parish: Garfield	State: Colorado
Contractor: NABORS 577		Rig/Platform Name/Num: NABORS 577	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc Supervisor: BRENNECKE, ANDREW	MBU ID Emp #: 486345

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BRENNECKE, ANDREW Bailey	6.0	486345	BRENNECKE, ANDREW Bailey	6.0	486345	SMITH, CHRISTOPHER Scott	6.0	452619

Equipment

HES Unit #	Distance-1 way						
	60 mile	10297346	60 mile	10973571	60 mile	11259884	60 mile
11808849	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
9/3/2013	4	0	9/4/2013	2	1			
TOTAL			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name	Date	Time	Time Zone
Formation Depth (MD) Top	Bottom	Called Out	03 - Sep - 2013 14:00 MST
Form Type	BHST	On Location	03 - Sep - 2013 20:00 MST
Job depth MD	960. ft	Job Depth TVD	960. ft
Water Depth		Job Started	04 - Sep - 2013 00:20 MST
Perforation Depth (MD) From	To	Job Completed	04 - Sep - 2013 01:13 MST
		Departed Loc	04 - Sep - 2013 03:00 MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe	9.625	1	WTF	911	Packer					Top Plug	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar	9.625	1	WTF	867.74	Retainer					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/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water Spacer		20.00	bbl	8.33	.0	.0	4.0	
2	VariCem GJ1 Tail Cement	VARICEM (TM) CEMENT (452009)	266.0	sacks	12.8	2.11	11.75	8.0	11.75
11.75 Gal		FRESH WATER							
3	Fresh Water Displacement		68.00	bbl	8.33	.0	.0	10.0	
Calculated Values		Pressures		Volumes					
Displacement	68.3	Shut In: Instant		Lost Returns	0	Cement Slurry	100	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	20	Actual Displacement	68.3	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	188.3
Rates									
Circulating	RIG	Mixing	8	Displacement	10	Avg. Job	8		
Cement Left In Pipe	Amount	43.83 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

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Well Name: PA		Well #: 523-12	API/UWI #:
Field: Parachute	City (SAP): RIFLE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat:		Long:	
Contractor: NABORS 577		Rig/Platform Name/Num: NABORS 577	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc Supervisor: BRENNECKE, ANDREW	MBU ID Emp #: 486345

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	09/03/2013 16:00							REQUESTED ON LOCATION AT 2000
Pre-Convoy Safety Meeting	09/03/2013 18:45							ALL HES PRESENT
Crew Leave Yard	09/03/2013 19:00							
Arrive At Loc	09/03/2013 20:00							RIG HAD NOT STARTED CASING
Assessment Of Location Safety Meeting	09/03/2013 20:05							ALL HES PRESENT
Rig-Up Equipment	09/03/2013 23:30							
Pre-Job Safety Meeting	09/04/2013 00:10							ALL HES PRESENT
Start Job	09/04/2013 00:20							TD 960', TP 911.5', SJ 43.83', OH 13.5", CSG 9.625", 32#, MUD 10
Pump Water	09/04/2013 00:21		2	2			44.0	FRESH WATER
Test Lines	09/04/2013 00:23		0.5	0.5				ALL LINES HELD PRESSURE AT 2606 PSI
Pump Spacer 1	09/04/2013 00:29		4	20			92.0	FRESH WATER
Pump Tail Cement	09/04/2013 00:36		8	99.9			315.0	266 SKS, 12.8 PPG, 2.11FT3/SK, 11.75 GAL/SK
Shutdown	09/04/2013 00:49							
Drop Top Plug	09/04/2013 00:51							WASHED UP ON TOP OF PLUG
Pump Displacement	09/04/2013 00:53		10	58.3			419.0	FRESH WATER.
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

Sold To # : 300721

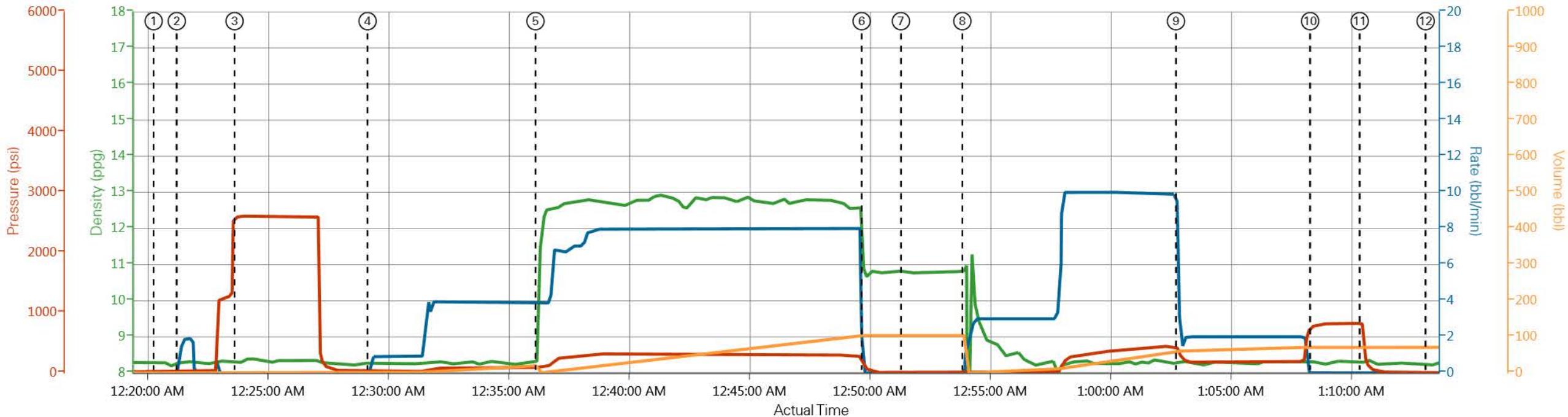
Ship To # :3099043

Quote # :

Sales Order # : 900718969

		#		Stage	Total	Tubing	Casing	
Slow Rate	09/04/2013 01:02		2	10			207.0	FRESH WATER TOTAL DISPLACEMENT PUMPED 68.3
Bump Plug	09/04/2013 01:08			68.3			804.0	PLUG BUMPED
Check Floats	09/04/2013 01:10							FLOATS HELD
End Job	09/04/2013 01:13							PIPE WAS NOT MOVED THROUGH OUT JOB, GOOD RETURNS, 20 BBLS OF CEMENT TO SURFACE.
Post-Job Safety Meeting (Pre Rig-Down)	09/04/2013 01:20							ALL HES PRESENT
Rig-Down Equipment	09/04/2013 01:25							
Pre-Convoy Safety Meeting	09/04/2013 02:40							ALL HES PRESENT
Crew Leave Location	09/04/2013 03:00							THANK YOU FOR USING HALLIBURTON CEMENT, ANDREW BRENNECKE AND CREW.

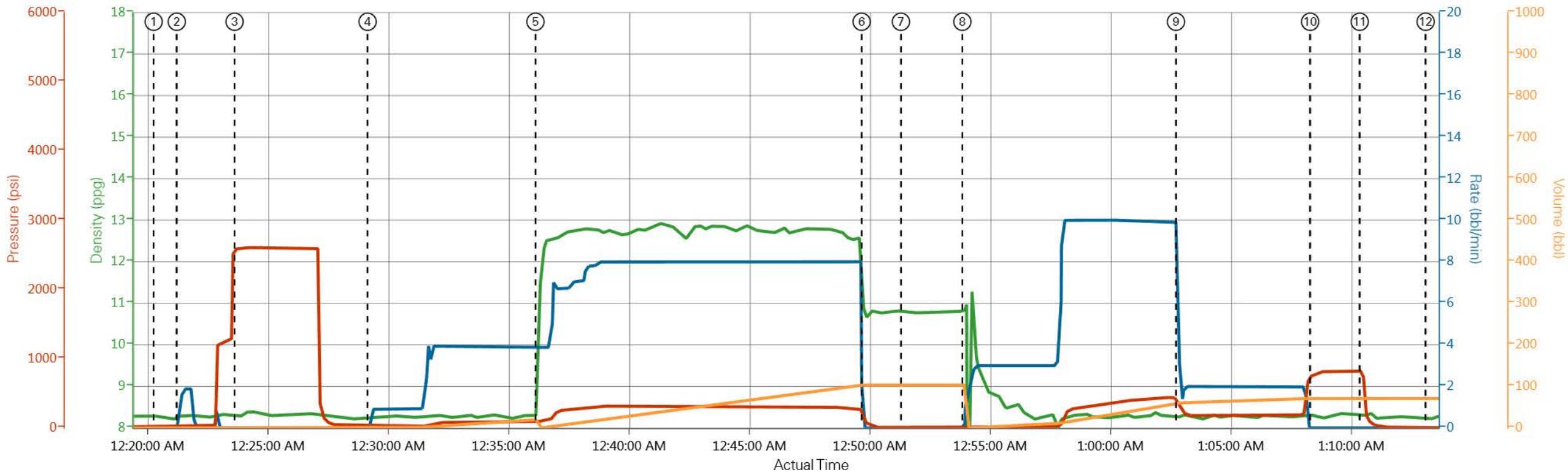
WPX NABORS 577 - PA 523-12 - 9.625" PRODUCTION



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

- ① Start Job 8.29;0;14;0 ③ Test Lines 8.33;0;2596;1.1 ⑤ Pump Tail Cement 10.21;3.9;92;0.1 ⑦ Drop Top Plug 10.81;0;-2;103.5 ⑨ Slow Rate 8.26;3.8;336;60.3 ⑪ Check Floats 8.29;0;812;70.9
- ② Prime Pumps 8.28;1.1;27;0.1 ④ Pump Spacer 1 8.29;0.9;25;0 ⑥ Shutdown 10.6;0;106;103.5 ⑧ Pump Displacement 10.84;1;-2;103.5 ⑩ Bump Plug 8.3;0;777;70.9 ⑫ End Job 8.28;0;5;70.9

WPX NABORS 577 - PA 523-12 - 9.625" PRODUCTION



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

HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: C.SMITH
Attention: C.ROSS
Lease: PA
Well #: 523-12

Date: 9/3/2013
Date Rec.: 9/3/2013
S.O.#: 900718969
Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	6.5
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>	67 Deg
Total Dissolved Solids		330 Mg / L

Respectfully: C.SMITH

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 #: 900718969	Line Item: 10	Survey Conducted Date: 9/4/2013
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) AFEYCW0NTIKGZJOMAAA
Well Name: PA		Well Number: 523-12
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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	9/4/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	ANDREW BRENNECKE (HB58348)
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	DONE GOOD JOB

CUSTOMER SIGNATURE

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Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	9/4/2013
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)	2
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	7
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 Name: PA		Well Number: 523-12
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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	97
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