
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**GM 424-34
GRAND VALLEY
Garfield County , Colorado**

**Cement Surface Casing
31-Jul-2013**

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3013334	Quote #:	Sales Order #: 900633314
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Vallad, Gary	
Well Name: GM		Well #: 424-34	API/UWI #:
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Contractor: NABORS 574		Rig/Platform Name/Num: NABORS 574	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc Supervisor: CASTILLO, FRANCISCO	MBU ID Emp #: 513620

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CASTILLO, FRANCISCO P	5.5	513620	CASTILLO, FRANCISCO P	5.5	513620	MILLER II, MATTHEW Reginald	5.5	425164
WADE, LOGAN D	5.5	488896						

Equipment

HES Unit #	Distance-1 way						
10297346	60 mile	10567589C	60 mile	10973571	60 mile	11583931	60 mile
11808829	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7/31/13	5.5	1						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Top	Bottom	964	Called Out	Date	Time	Time Zone
Formation Depth (MD)		SURFACE			31 - Jul - 2013	10:00	MST
Form Type		BHST		On Location	31 - Jul - 2013	14:30	MST
Job depth MD	964. ft	Job Depth TVD	964. ft	Job Started	31 - Jul - 2013	18:10	MST
Water Depth		Wk Ht Above Floor	3. ft	Job Completed	31 - Jul - 2013	19:00	MST
Perforation Depth (MD)	From	To		Departed Loc	31 - Jul - 2013	20:00	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	949	Packer					Top Plug	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar	9.625	1	WTF	928	Retainer					SSR plug set			
Insert Float										Plug Container	9.625	1	HES
Stage Tool										Centralizers	9.625		WTF

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	.	.0	.0	6	
2	VariCem GJ1 Tail Cement	VARICEM (TM) CEMENT (452009)	265.0	sacks	12.8	2.11	11.75	7.5	11.75
11.75 Gal		FRESH WATER							
3	Fresh Water Displacement		73.00	bbl	.	.0	.0	10	
Calculated Values			Pressures			Volumes			
Displacement	73	Shut In: Instant		Lost Returns	NONE	Cement Slurry	99.6	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	17	Actual Displacement	73	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	193
Rates									
Circulating	RIG	Mixing	7.5	Displacement	10	Avg. Job	7		
Cement Left In Pipe	Amount	21 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: GM		Well #: 424-34	API/UWI #:
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat:		Long:	
Contractor: NABORS 574		Rig/Platform Name/Num: NABORS 574	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc Supervisor: CASTILLO, FRANCISCO	MBU ID Emp #: 513620

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	07/31/2013 10:00							
Pre-Convoy Safety Meeting	07/31/2013 12:50							ALL HES PERSONNEL
Crew Leave Yard	07/31/2013 13:00							1 ELITE, 1 660, 1 PICKUP
Arrive At Loc	07/31/2013 14:30							RIG AND CASING CREW WERE SETTING UP TO RUN CASING
Assessment Of Location Safety Meeting	07/31/2013 16:50							
Pre-Rig Up Safety Meeting	07/31/2013 16:55							ALL HES PERSONNEL
Rig-Up Equipment	07/31/2013 17:00							1 HARD LINE TO FLOOR, 2 WATER LINES TO UPRIGHT AND DAY TANK, BULK HOSES TO SILO AND 660
Pre-Job Safety Meeting	07/31/2013 18:00							ALL HES PERSONNEL AND RIG CREW
Start Job	07/31/2013 18:10							TD 964', TP 949', SJ 21', OH 13 1/2", CSG 9 5/8", 32.3# H-40, MUD-10 PPG, VISC-55
Pump Water	07/31/2013 18:10		2	2			31.0	FILL LINES
Pressure Test	07/31/2013 18:14		0.2	0.2				PRESSURE HELD AT 3000 PSI
Pump Spacer 1	07/31/2013 18:18		6	20			180.0	FRESH WATER SPACER/FIRST 10 BBLs WERE PUMPED AT 2 BPM WITH 23 PSI
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

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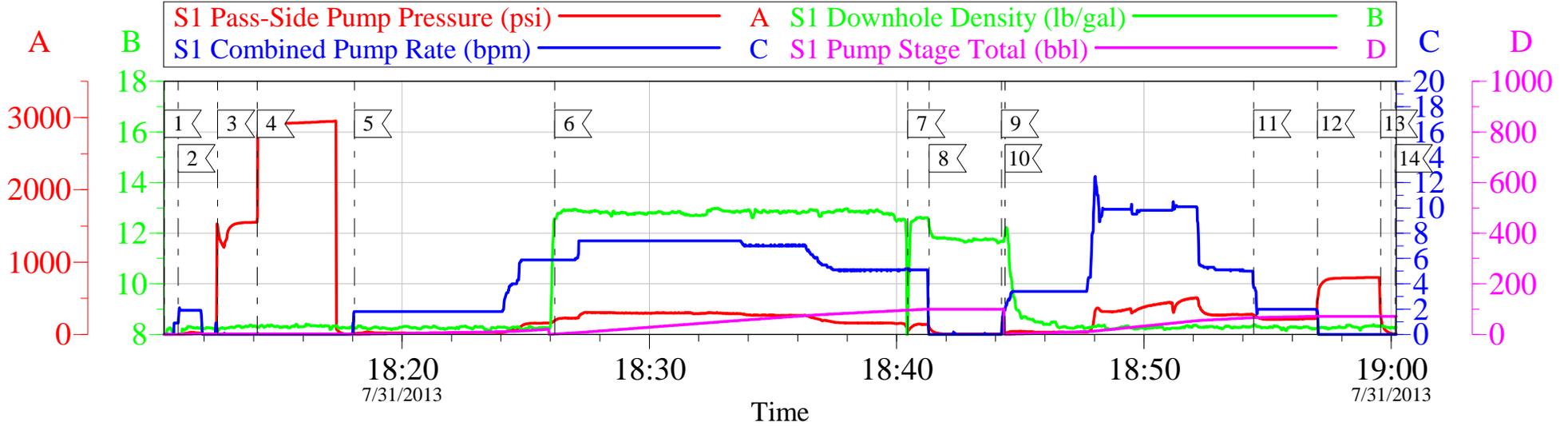
Quote # :

Sales Order # : 900633314

		#		Stage	Total	Tubing	Casing	
Pump Cement	07/31/2013 18:26		7.5	99.6			300.0	265 SKS, 12.8 PPG, 2.11 YIELD, 11.75 GAL/SK SETUP TIME 1:51 HRS AT 70 BC
Shutdown	07/31/2013 18:41							
Drop Top Plug	07/31/2013 18:44							VERIFIED BY CUSTOMER AND DRILLER
Pump Displacement	07/31/2013 18:44		10	63			450.0	FRESH WATER/FIRST 10 BBLS PUMPED AT 4 BPM WITH 31 PSI, 43 BBLS WERE PUMPED AT 10 BPM WITH 450 PSI, AND 10 BBLS WERE PUMPED AT 5 BPM WITH 275 PSI
Slow Rate	07/31/2013 18:54		2	10			233.0	
Bump Plug	07/31/2013 18:57			73			782.0	
Check Floats	07/31/2013 18:59							.5 BBLS FLOW BACK TO DISPLACEMENT TANK
End Job	07/31/2013 19:00							GOT 17 BBLS/45 SKS OF CEMENT TO SURFACE / USED 20 LBS SUGAR
Post-Job Safety Meeting (Pre Rig-Down)	07/31/2013 19:05							ALL HES PERSONNEL
Rig-Down Equipment	07/31/2013 19:10							
Pre-Convoy Safety Meeting	07/31/2013 19:55							ALL HES PERSONNEL
Crew Leave Location	07/31/2013 20:00							THANK YOU FOR YOUR BUSINESS FROM JAVIER CASTILLO AND CREW

WPX GM 424-34

9 5/8 SURFACE

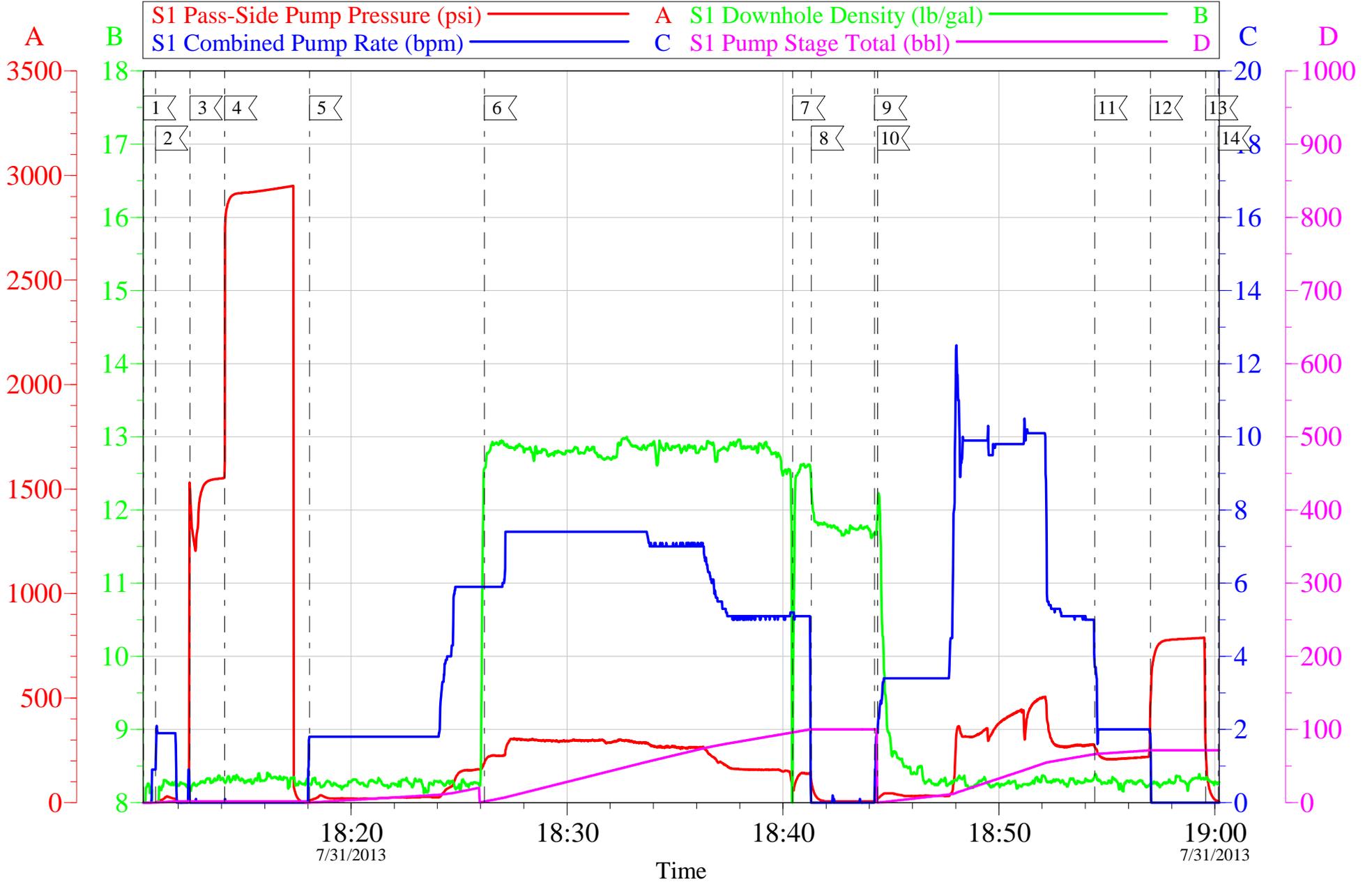


Local Event Log		
1	START JOB	18:10:24
2	FILL LINES	18:10:57
3	STALL OUT	18:12:33
4	TEST LINES	18:14:09
5	WATER SPACER	18:18:05
6	CEMENT SLURRY	18:26:11
7	OPERATOR ACCIDENTLY SHUT DOWNHOLE VALVE	18:40:27
8	SHUTDOWN	18:41:19
9	DROP PLUG	18:44:15
10	DISPLACEMENT	18:44:23
11	SLOW RATE	18:54:27
12	BUMP PLUG	18:57:01
13	CHECK FLOATS	18:59:35
14	END JOB	19:00:10

Customer: WPX	Job Date: 31-Jul-2013	Sales Order #: 900633314
Well Description: GM 424-34	Job Type: SURFACE	ADC Used: YES
Company Rep: GARY VALAD	Cement Supervisor: JAVIER CASTILLO	Elite #3: LOGAN WADE

WPX GM 424-34

9 5/8 SURFACE



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Company Rep: GARY VALAD	Cement Supervisor: JAVIER CASTILLO	Elite #3: LOGAN WADE

OptiCem v6.4.10
31-Jul-13 19:16

HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: JAVIER CASTILLO
Attention: J.Trout
Lease: GM
Well #: 424-34

Date: 7/31/2013
Date Rec.: 7/31/2013
S.O.#: 900621772
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>	68 Deg
Total Dissolved Solids		200 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 #: 900633314	Line Item: 10	Survey Conducted Date: 7/31/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: GARY VALAD		API / UWI: (leave blank if unknown) AFEYC1AO4FKYPNU4AAA
Well Name: GM		Well Number: 424-34
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	7/31/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	FRANCISCO CASTILLO (HB85312)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	GARY VALAD
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	GOOD JOB

CUSTOMER SIGNATURE

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H2S Present:	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	7/31/2013
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)	5.5
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: 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	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