
WILLIAMS PRODUCTION RMT INC - EBUS

**PA 344-20
PARACHUTE
Garfield County , Colorado**

Cement Surface Casing
27-Jul-2011

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2868559	Quote #:	Sales Order #: 8272369
Customer: WILLIAMS PRODUCTION RMT INC - EBUS	Customer Rep: Harrison, Jeremy		
Well Name: PA	Well #: 344-20	API/UWI #: 05-045-20253	
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.504 deg. OR N 39 deg. 30 min. 14.249 secs.	Long: W 108.019 deg. OR W -109 deg. 58 min. 51.319 secs.		
Contractor: Nabors Industries LTD.	Rig/Platform Name/Num: Nabors 577		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: KOHL, KYLE	Srvc Supervisor: HUGENTOBLE, LOGAN	MBU ID Emp #: 447333	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
COSTELDIA, BROCK James	11	476115	DANIEL, EVERETT Dean	11	337325	HUGENTOBLE, LOGAN Mark	11	447333
SILVERTHORN, AARON Jacob	11	491305						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10722398	60 mile	10744648C	60 mile	10951247	60 mile	10969711	60 mile
11139330	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7/27/11	11	2						

TOTAL		Total is the sum of each column separately
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Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	27 - Jul - 2011	09:00	MST
Form Type		BHST	Job Started	27 - Jul - 2011	17:26	MST
Job depth MD	914. ft	Job Depth TVD	Job Completed	27 - Jul - 2011	18:17	MST
Water Depth		Wk Ht Above Floor	Departed Loc	27 - Jul - 2011	20:30	MST
Perforation Depth (MD)	From	To				

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
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Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
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1	Fresh Water Spacer		20.00	bbl	8.33	.0	.0	6	
2	VersaCem Tail	VERSACEM (TM) SYSTEM (452010)	275.0	sacks	12.8	2.11	11.75	8	11.75
11.75 Gal		FRESH WATER							
3	Displacement Fluid		68.00	bbl	8.34	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	68	Shut In: Instant		Lost Returns	0	Cement Slurry	103	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	30	Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	
Rates									
Circulating		Mixing	8	Displacement	10	Avg. Job		9	
Cement Left In Pipe	Amount	38 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID		Frac ring # 2 @	ID		Frac Ring # 3 @	ID		Frac Ring # 4 @
The Information Stated Herein Is Correct				Customer Representative Signature					

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Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
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Contractor: Nabors Industries LTD.		Rig/Platform Name/Num: Nabors 577	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: KOHL, KYLE		Srv Supervisor: HUGENTOBLE, LOGAN	MBU ID Emp #: 447333

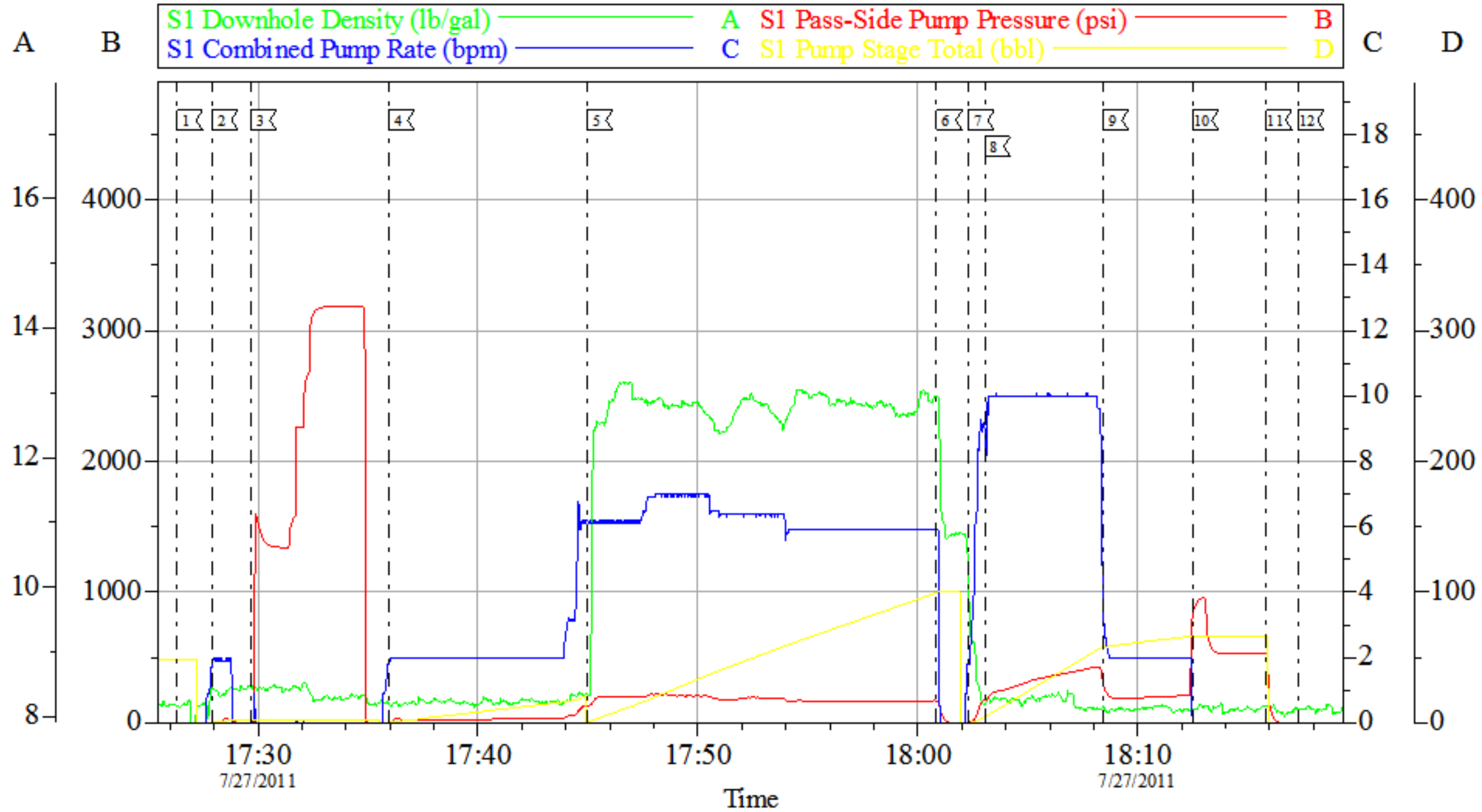
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	07/27/2011 05:00							
Pre-Convoy Safety Meeting	07/27/2011 07:00							ALL HES EMPLOYEES
Arrive At Loc	07/27/2011 09:00							RIG STILL RUNNING CASING
Assessment Of Location Safety Meeting	07/27/2011 15:00							ALL HES EMPLOYEES
Rig-Up Equipment	07/27/2011 15:15							1 HT-400 PUMP TRUCK, 1 660 BULK TRUCK, 1 F-450 P/U, 1 QUICK LATCH PLUG CONTAINER, 1 BAIL BASKET, 1 SWAGE
Pre-Job Safety Meeting	07/27/2011 17:00							ALL HES EMPLOYEES, RIG CREW, CO REP AND ANY 3RD PARTY VENDORS
Start Job	07/27/2011 17:26							TP 903 FT, TD 914 FT, FC 864.1FT, HOLE 13.5", MUD WT 10 PPG, RATE WILL BE 8-10-2, WILL BUMP 500 PSI OVER LAND PSI, RIG CIRCULATED HOLE FOR 1 HRS. .
Pump Water	07/27/2011 17:27		2	2			27.0	FILL LINES PRIOR TO PRESSURE TESTING LINES
Pressure Test	07/27/2011 17:29							NO LEAKS, KICK OUTS SET TO 3000 PSI FOR TEST.
Pump Spacer 1	07/27/2011 17:35		6	20			97.0	FRESH WATER

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	07/27/2011 17:44		8	103			222.0	275 SKS VERSACEM CMT TO BE MIXED AT 12.8 PPG, 2.11 YIELD, 11.75 GAL/SK, CMT TO BE WEIGHED VIA PRESSURE BALANCED MUD SCALES, WET AND DRY SAMPLES SUBMITTED,
Shutdown	07/27/2011 18:00							
Drop Plug	07/27/2011 18:02							PLUG LAUNCHED
Pump Displacement	07/27/2011 18:03		10	68			421.0	FRESH WATER
Slow Rate	07/27/2011 18:08		2				192.0	10 BBLS PRIOR TO CALCULATED DISPLACEMENT, 30 BBLS CEMENT TO SURFACE
Bump Plug	07/27/2011 18:12						530.0	PLUG LANDED
Check Floats	07/27/2011 18:15							FLOATS HOLDING
End Job	07/27/2011 18:17							THANK YOU FOR USING HES FROM LOGAN HUGENTOBLE AND CREW
Post-Job Safety Meeting (Pre Rig-Down)	07/27/2011 18:25							ALL HES EMPLOYEES
Rig-Down Equipment	07/27/2011 18:30							
Pre-Convoy Safety Meeting	07/27/2011 20:25							ALL HES EMPLOYEES
Crew Leave Location	07/27/2011 20:30							LOCATION CLEAN

WILLIAMS

9.625 SURFACE PIPE



Local Event Log			
1 START JOB	17:26:19	2 PRIME LINES	17:27:56
3 PRESSURE TEST	17:29:40		
4 PUMP H2O SPACER	17:35:56	5 PUMP TAIL CEMENT	17:44:58
6 SHUTDOWN	18:00:51		
7 DROP PLUG	18:02:18	8 PUMP DISPLACEMENT	18:03:02
9 SLOW RATE	18:08:25		
10 BUMP PLUG	18:12:30	11 CHECK FLOATS	18:15:51
12 END JOB	18:17:18		

Customer: WILLIAMS
 Well Description: PA 344-20
 Company Rep: JEREMY HARRISON

Job Date: 27-Jul-2011
 Job Type: SURFACE
 Cement Supervisor: LOGAN HUGENTOBLE

Sales Order #: 8272369
 ADC Used: YES
 Elite #6 / Operator: BROCK CASTELDIA

Opti Cem v6.4.10
 27-Jul-11 18:27

HALLIBURTON

Water Analysis Report

Company: WILLIAMS

Submitted by: LOGAN HUGENTOBLER

Attention:

Lease PA

Well # 344-20

Date: 7/27/2011

Date Rec.: 7/27/2011

S.O.# 8272369

Job Type: 9.625 SURFACE

Specific Gravity	<i>MAX</i>	<i>1</i>
pH	<i>8</i>	<i>7</i>
Potassium (K)	<i>5000</i>	<i>0</i> Mg / L
Calcium (Ca)	<i>500</i>	<i>310</i> Mg / L
Iron (FE2)	<i>300</i>	<i>0</i> Mg / L
Chlorides (Cl)	<i>3000</i>	<i>0</i> Mg / L
Sulfates (SO ₄)	<i>1500</i>	<i>below 200</i> Mg / L
Chlorine (Cl ₂)		<i>0</i> Mg / L
Temp	<i>40-80</i>	<i>65</i> Deg
Total Dissolved Solids		<i>430</i> Mg / L

Respectfully: LOGAN HUGENTOBLER

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 c

Sales Order #: 8272369	Line Item: 10	Survey Conducted Date: 7/27/2011
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JEREMY HARRISON		API / UWI: (leave blank if unknown) 05-045-20253
Well Name: PA		Well Number: 344-20
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	7/27/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	LOGAN HUGENTOBLE (HB15210)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	JEREMY HARRISON
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	
Job DVA	Did we provide job DVA above our normal service today? Circle Y or N	No
Time	Please enter hours in decimal format to nearest quarter hour.	
Other	Enter short text for other efficiencies gained.	
Customer Initials	Customer's Initials	
Please provide details	Please describe how the job efficiencies were gained.	

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 The date the survey was conducted	7/27/2011

Cementing KPI Survey	
Type of Job Select the type of job. (Cementing or Non-Cementing)	0
Select the Maximum Deviation range for this Job What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	11
HSE Incident, Accident, Injury HSE Incident, Accident, Injury. This should be recordable incidents only.	No
Was the job purpose achieved? Was the job delivered correctly as per customer agreed design?	Yes
Operating Hours (Pumping Hours) Total number of hours pumping fluid on this job. Enter in decimal format.	2
Customer Non-Productive Rig Time (hrs) 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.	0
Type of Rig Classification Job Was Performed Type Of Rig (classification) Job Was Performed On	Drilling Rig (Portable)
Number Of JSAs Performed Number Of Jsas Performed	6
Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time.	0
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	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