

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

GM 323-13

H&P 318

Post Job Summary

Cement Surface Casing

Date Prepared: 09/23/2014
Job Date: 06/20/2014

Submitted by: Kory Hugentobler – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3273422	Quote #:	Sales Order #: 0901446414
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Ron Towers	
Well Name: C&C ENERGY	Well #: GM 323-13	API/UWI #: 05-045-22263-00	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: GARFIELD	State: COLORADO
Legal Description: SW SW-12-7S-96W-280FSL-994FWL			
Contractor:		Rig/Platform Name/Num: H&P 318	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HAM2616		Srvc Supervisor: Kyle Bath	

Job

Formation Name			
Formation Depth (MD)	Top		Bottom 1400ft
Form Type			BHST
Job depth MD	1400ft		Job Depth TVD
Water Depth			Wk Ht Above Floor
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		H-40	0	1400		0
Open Hole Section			13.5				0	1400		0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625	1	WTF	1400	Top Plug	9.625	1	HES
Float Shoe					Bottom Plug			
Float Collar	9.625	1	WTF	1351	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			4.0	
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

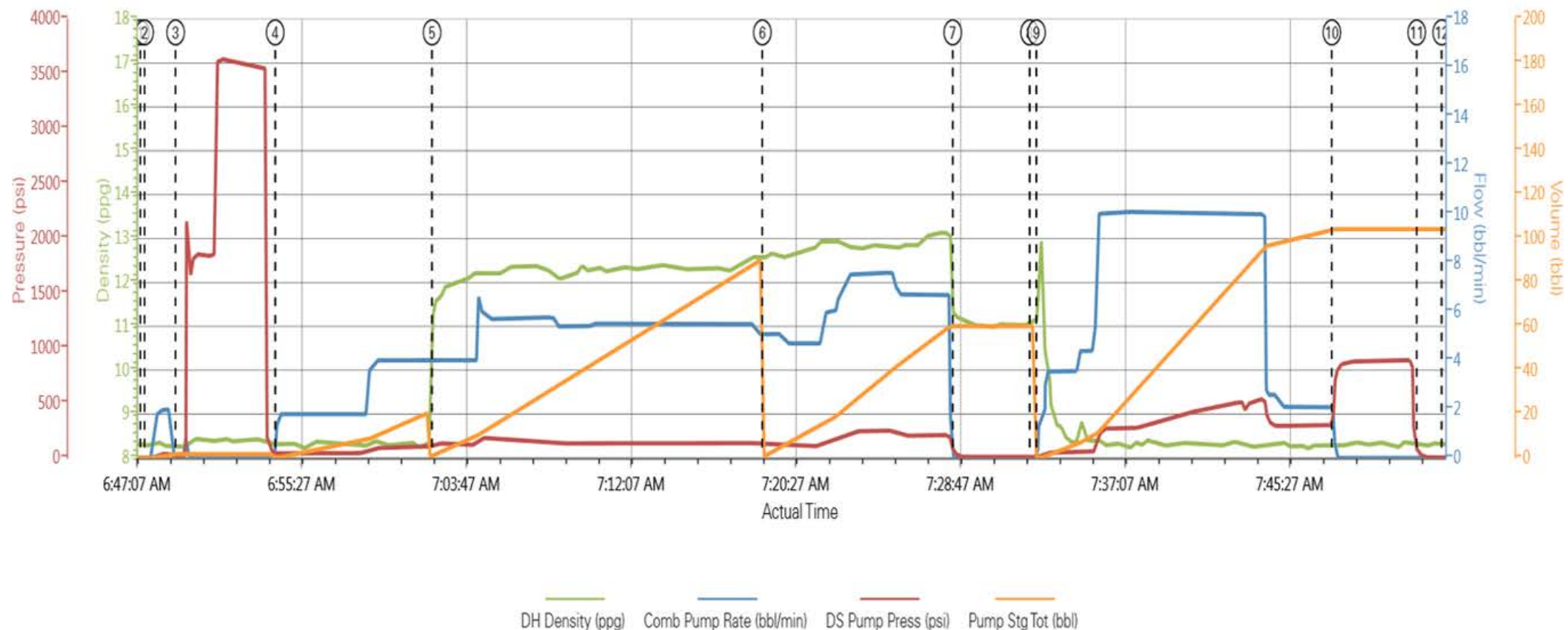
2	Lead Cement	VARICEM (TM) CEMENT	205	sack	12.3	2.38		5.0	13.77
13.70 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Tail Cement	VARICEM (TM) CEMENT	165	sack	12.8	2.11		8.0	11.77
11.71 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
4	Fresh Water Displacement	Fresh Water Displacement	107	bbl	8.34			10.0	
Cement Left In Pipe		Amount	44 ft		Reason		Shoe Joint		
Comment									

3.1 Job Event Log

Type	Seq No.	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	DS Pump Press (psi)	Pump Stg Tot (bbl)	Comment
Event	1	CALL OUT	6/20/2014	02:00:00	USER					
Event	2	PRE CONVOY SAFETY MEETING	6/20/2014	02:10:00	USER					
Event	3	ARRIVE ON LOCATION	6/20/2014	03:30:00	USER					RIG ON BOTTOM UPON HES ARRIVAL
Event	4	SITE ASSESMENT SAFETY MEETING	6/20/2014	03:45:00	USER					
Event	5	PRE RIG UP SAFETY MEETING	6/20/2014	03:55:00	USER					
Event	6	RIG UP	6/20/2014	04:10:00	USER					
Event	7	BULK TRUCKS ARRIVED ON LOCATION	6/20/2014	06:00:00	USER					
Event	8	PRE JOB SAFETY MEETING	6/20/2014	06:28:00	USER					
Event	9	Start Job	6/20/2014	06:47:26	COM3					
Event	10	Prime Pumps	6/20/2014	06:47:39	COM3	8.33	2	36	2	2 BBLS FRESH WATER
Event	11	Test Lines	6/20/2014	06:49:13	COM3			3639		TEST LINES TO 3939 PSI
Event	12	Fresh Water Spacer	6/20/2014	06:54:15	COM3	8.33	4	81	10	20 BBLS FRESH WATER SPACER
Event	13	Pump Lead Cement	6/20/2014	07:02:11	COM3	12.3	6	135	87	MIX AND PUMP 205 SKS AT 12.3 PPG, 2.38 FT3/FT, 13.77 GAL/SK
Event	14	Pump Tail Cement	6/20/2014	07:18:54	COM3	12.8	7	136	62	MIX AND PUMP 165 SKS AT 12.8 PPG, 2.11 FT3/FT, 11.77 GAL/SK
Event	15	Shutdown	6/20/2014	07:28:32	USER					
Event	16	drop plug	6/20/2014	07:32:25	USER					
Event	17	Pump Displacement	6/20/2014	07:32:47	COM3	8.33	10	296	107	PUMP 107 BBLS FRESH WATER DISPLACEMENT
Event	18	Bump Plug	6/20/2014	07:47:43	USER			876		BUMP PLUG TAKE 500 OVER
Event	19	Check Floats	6/20/2014	07:52:01	USER					1/2 BBL BACK TO TRUCK
Event	20	End Job	6/20/2014	07:53:17	COM3					GOOD CIRCULATION THROUGHOUT JOB, 26 BBLS CMT BACK TO

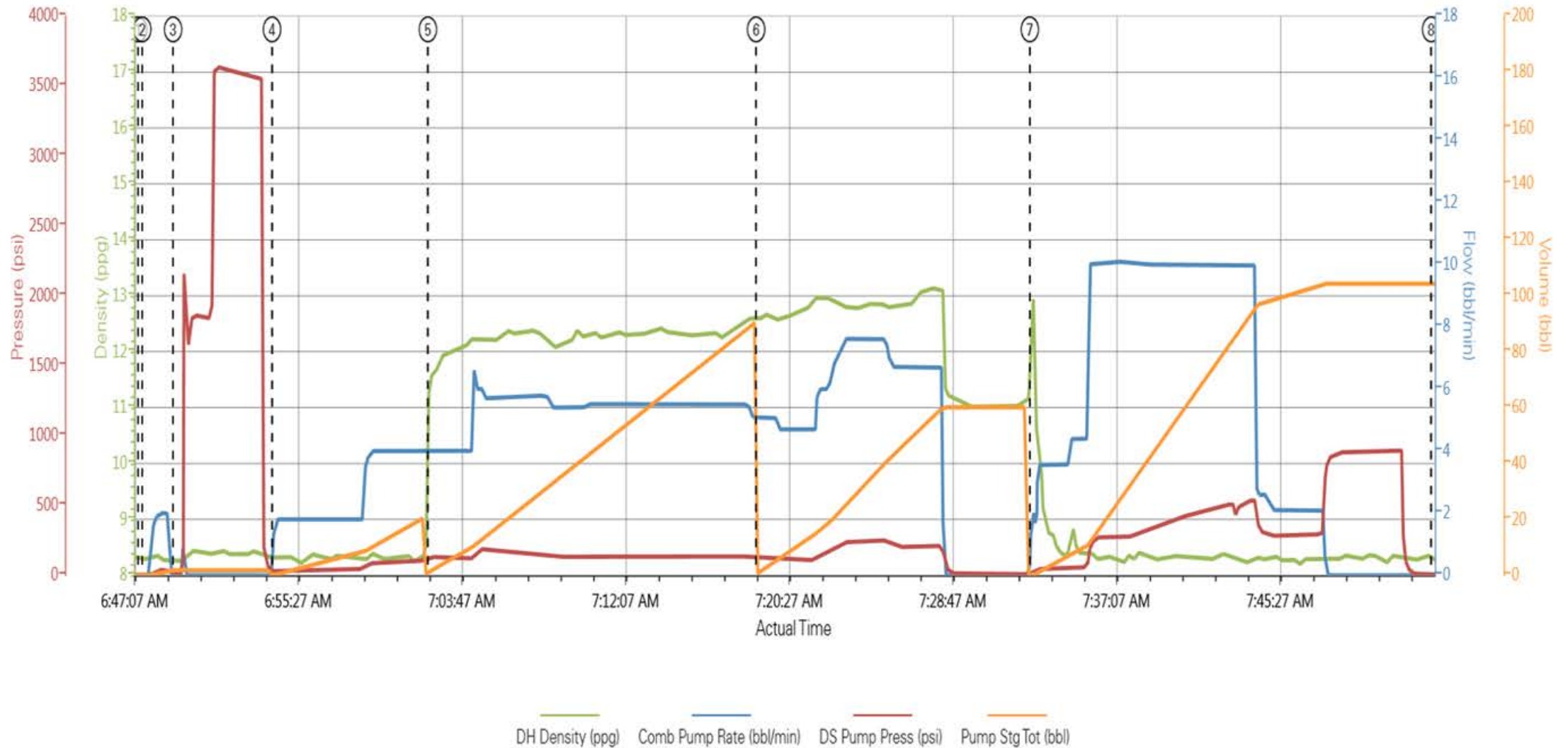
SURFACE					
Event	21	PRE RIG DOWN SAFETY MEETING	6/20/2014	08:15:00	USER
Event	22	RIG DOWN	6/20/2014	08:30:00	USER
Event	23	PRE CONVOY SAFETY MEETING	6/20/2014	09:20:00	USER
Event	24	LEAVE LOCATION	6/20/2014	09:35:00	USER
THANK YOU FOR USING HALLIBURTON, KYLE BATH AND CREW					

WPX-C&C ENERGY GM 323-13 SURFACE CASING



- | | | | |
|---------------------------|--------------------------------------|--------------------------------------|--------------------------------|
| ① Start Job 8.4;0;1;0 | ④ Fresh Water Spacer 8.3;1.8;31;0.2 | ⑦ Shutdown 11.24;0.37;60.1 | ⑩ Bump Plug 8.27;0.6;674;104.3 |
| ② Prime Pumps 8.25;0;1;0 | ⑤ Pump Lead Cement 11.59;4;125;1.6 | ⑧ drop plug 11.14;0.7;60.1 | ⑪ Check Floats 8.31;0.36;104.3 |
| ③ Test Lines 8.3;0;17;1.8 | ⑥ Pump Tail Cement 12.54;5.1;120;1.1 | ⑨ Pump Displacement 12.58;1.8;14;0.1 | ⑫ End Job 8.27;0.4;104.3 |

WPX-C&C ENERGY GM 323-13-SURFACE CASING



HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: KYLE BATH

Attention: DALLAS SCOTT

Lease: C&C ENERGY

Well #: GM 323-13

Date: 6/20/2014

Date Rec.: 6/20/2014

S.O.#: 901446414

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	8
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>	NA Mg / L
Sulfates (SO ₄)	<i>1500</i>	<200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	63 Deg
Total Dissolved Solids		10 Mg / L

Respectfully: KYLE BATH

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 #: 0901446414	Line Item: 10	Survey Conducted Date: 6/20/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: RON TOWERS		API / UWI: (leave blank if unknown) 05-045-22263-00
Well Name: C&C ENERGY		Well Number: 0080358192
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	6/20/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HB49384
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	RON TOWERS
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

Sales Order #: 0901446414	Line Item: 10	Survey Conducted Date: 6/20/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: RON TOWERS		API / UWI: (leave blank if unknown) 05-045-22263-00
Well Name: C&C ENERGY		Well Number: 0080358192
Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: GARFIELD

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	6/20/2014
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

Sales Order #: 0901446414	Line Item: 10	Survey Conducted Date: 6/20/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: RON TOWERS		API / UWI: (leave blank if unknown) 05-045-22263-00
Well Name: C&C ENERGY		Well Number: 0080358192
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	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