

WPX Energy Rocky Mountain LLC- EBUS

Federal RGU 313-25-198

H&P 318

Post Job Summary

Cement Production Casing

Date Prepared: 04/30/2015
Job Date: 04/29/2015

Submitted by: Evan Russell – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3124456	Quote #:	Sales Order #: 0902245367
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: BEAUDE OAKS	
Well Name: FEDERAL	Well #: RGU 313-25-198	API/UWI #: 05-103-11983-00	
Field: SULPHUR CREEK	City (SAP): MEEKER	County/Parish: RIO BLANCO	State: COLORADO
Legal Description: 26-1S-98W-2447FNL-897FEL			
Contractor: H & P DRLG		Rig/Platform Name/Num: H & P 318	
Job BOM: 7523			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180		Srcv Supervisor: Eric Carter	

Job

Formation Name				
Formation Depth (MD)	Top	4038 FT.	Bottom	12799 FT.
Form Type	BHST			
Job depth MD	12684 FT.		Job Depth TVD	
Water Depth			Wk Ht Above Floor	4 FT.
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	8.921	36			0	4038		
Casing		4.5	4	11.6			0	12684		
Open Hole Section			8.75				4038	9514		
Open Hole Section			8.5				9514	11684		
Open Hole Section			7.875				11684	12799		

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe					Top Plug			
Float Shoe					Bottom Plug			
Float Collar					SSR plug set			
Insert Float					Plug Container	4.5	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 /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Fresh Water	Fresh Water	100	bbl	8.34			8	

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
2	ExtendaCem GJ1	EXTENDACEM (TM) SYSTEM	630	sack	11	2.75	16.07	8		
16.07 Gal		FRESH WATER								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
3	EconoCem GJ1	ECONOCEM (TM) SYSTEM	380	sack	12.7	1.91	10.09	8		
10.09 Gal		FRESH WATER								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
4	ThermaCem GJ1	THERMACEM (TM) SYSTEM	905	sack	13.5	1.75	8.25	8		
8.25 Gal		FRESH WATER								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
5	Displacement	Displacement	196.7	bbl	8.4			10		
0.01 gal/bbl		MICRO MATRIX CEMENT RETARDER, 1 GAL PAIL (100003780)								
0.03 lbm/bbl		BE-6, 48 LB FIBER DRUM (100003800)								
Cement Left In Pipe		Amount	29 ft		Reason			Shoe Joint		
Comment										

1.0 Real-Time Job Summary

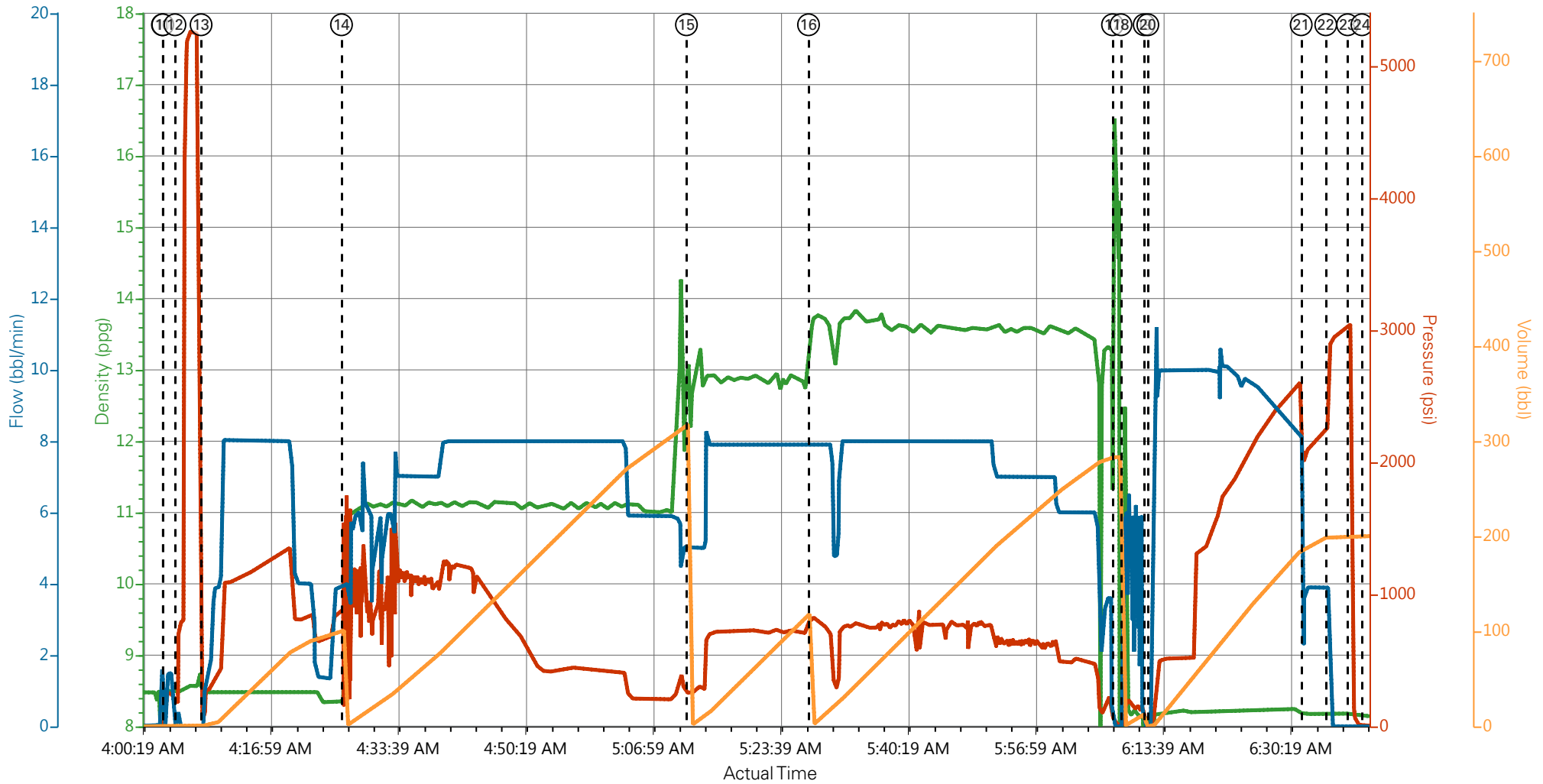
1.1 Job Event Log

Type	Seq. No.	Activity	Date	Time	Source	DH Density <i>(ppg)</i>	PS Pump Press <i>(psi)</i>	Comb Pump Rate <i>(bbl/min)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Call Out	4/28/2015	17:00:00	USER					
Event	2	Depart Yard Safety Meeting	4/28/2015	19:50:00	USER					ATTENDED BY ALL HES CREW
Event	3	Crew Leave Yard	4/28/2015	20:00:00	USER					
Event	4	Arrive At Loc	4/28/2015	23:30:00	USER					RIG WASHING DOWN CASING
Event	5	Assessment Of Location Safety Meeting	4/29/2015	02:20	USER					ATTENDED BY ALL HES CREW
Event	6	Other	4/29/2015	02:30	USER					SPOT EQUIPMENT, ELITE ARRIVED ON LOCATION AT 02:30
Event	7	Pre-Rig Up Safety Meeting	4/29/2015	02:40	USER					ATTENDED BY ALL HES CREW
Event	8	Rig-Up Equipment	4/29/2015	02:50	USER					
Event	9	Pre-Job Safety Meeting	4/29/2015	03:45	USER					ATTENDED BY ALL HES CREW, RIG CREW AND COMPANY REP
Event	10	Other	4/29/2015	04:03:14	USER					TP 12684', TD 12799', MW 10.1 PPG, CASING 4.5", 11.6#, P-110, SJ 28.47', SURFACE CASING 9.625", 36# SET AT 4038', HOLE 8.75"-9514', 8.5"-11684', 7.875"-12799', RIG CIRCULATED FOR 3.5 HR'S PRIOR TO JOB
Event	11	Other	4/29/2015	04:03:17	USER	8.34	240	2	2	FRESH WATER

Event	12	Test Lines	4/29/2015	04:04:52	USER					PRESSURED UP TO 5270 PSI. PRESSURE HELD
Event	13	Pump Spacer	4/29/2015	04:08:17	USER	8.34	1360	8	100	FRESH WATER
Event	14	Pump Lead Cement	4/29/2015	04:26:38	USER	11	1360	8	308.6	630 SKS EXTENDACEM MIXED AT 11 PPG, 2.75 YIELD, 16.07 GL/SK, 105 LB'S TUFFIBER MIXED ON THE FLY
Event	15	Pump Lead Cement	4/29/2015	05:11:43	USER	12.7	1260	8	129.3	380 SKS ECONOCEM MIXED AT 12.7 PPG, 1.91 YIELD, 10.09 GL/SK
Event	16	Pump Tail Cement	4/29/2015	05:27:41	USER	13.5	840	8	282.1	905 SKS THERMACEM MIXED AT 13.5 PPG, 1.75 YIELD, 8.25 GL/SK
Event	17	Shutdown	4/29/2015	06:07:25	USER					
Event	18	Clean Lines	4/29/2015	06:08:31	USER					CLEANED LINES INTO WASH UP TRUCK
Event	19	Drop Top Plug	4/29/2015	06:11:33	USER					REP SUPPLIED LATCH DOWN PLUG
Event	20	Pump Displacement	4/29/2015	06:12:02	USER	8.4	2620	10	186.7	FRESH WATER WITH KCL, BE-6 AND MMCR
Event	21	Slow Rate	4/29/2015	06:32:05	USER	8.4	2260	4	10	
Event	22	Bump Plug	4/29/2015	06:35:17	USER		3050			PLUG LANDED
Event	23	Check Floats	4/29/2015	06:38:08	USER					FLOATS HELD
Event	24	Other	4/29/2015	06:40:01	USER					GOOD CIRCULATION THROUGHOUT JOB, PIPE RECIPROCATED DURING JOB, 0 BBLS CEMENT TO SURFACE
Event	25	Post-Job Safety Meeting (Pre Rig-Down)	4/29/2015	06:45	USER					ATTENDED BY ALL HES CREW
Event	26	Rig-Down Equipment	4/29/2015	06:50	USER					

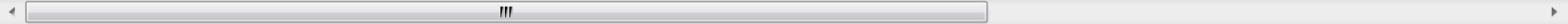
Event	27	Depart Location Safety Meeting	4/29/2015	07:50	USER	ATTENDED BY ALL HES CREW
Event	28	Crew Leave Location	4/29/2015	08:00	USER	THANK YOU FOR USING HALLIBURTON CEMENT, ERIC CARTER AND CREW.

WPX - RGU 313-25-198 - PRODUCTION



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

- | | | | | |
|--|---|--|--------------------------------------|--------------------------------|
| ① Call Out n/a;n/a;n/a;n/a | ⑤ Assessment Of Location Safety Meeting n/a;n/a;n/a;n/a | ⑨ Pre-Job Safety Meeting n/a;n/a;n/a;n/a | ⑬ Pump Spacer 8.47;85;1.6;0 | ⑰ Shutdown 15.1;1041;4;0.3 |
| ② Depart Yard Safety Meeting n/a;n/a;n/a;n/a | ⑥ Other n/a;n/a;n/a;n/a | ⑩ Start Job 8.49;115;0;0.8 | ⑭ Pump Lead Cement 9.83;1041;4;0.3 | ⑱ Clean Lines 12.3;266;5.1;0.5 |
| ③ Crew Leave Yard n/a;n/a;n/a;n/a | ⑦ Pre-Rig Up Safety Meeting n/a;n/a;n/a;n/a | ⑪ Fill Lines 8.49;120;0.2;0.8 | ⑮ Pump Lead Cement 12.3;266;5.1;0.5 | ⑲ Drop Top Plug |
| ④ Arrive At Loc n/a;n/a;n/a;n/a | ⑧ Rig-Up Equipment n/a;n/a;n/a;n/a | ⑫ Test Lines 8.48;743;0;2 | ⑯ Pump Tail Cement 13.65;857;7.9;0.6 | ⑳ Pump Displac |



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Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 4/29/2015 3:06:04 AM

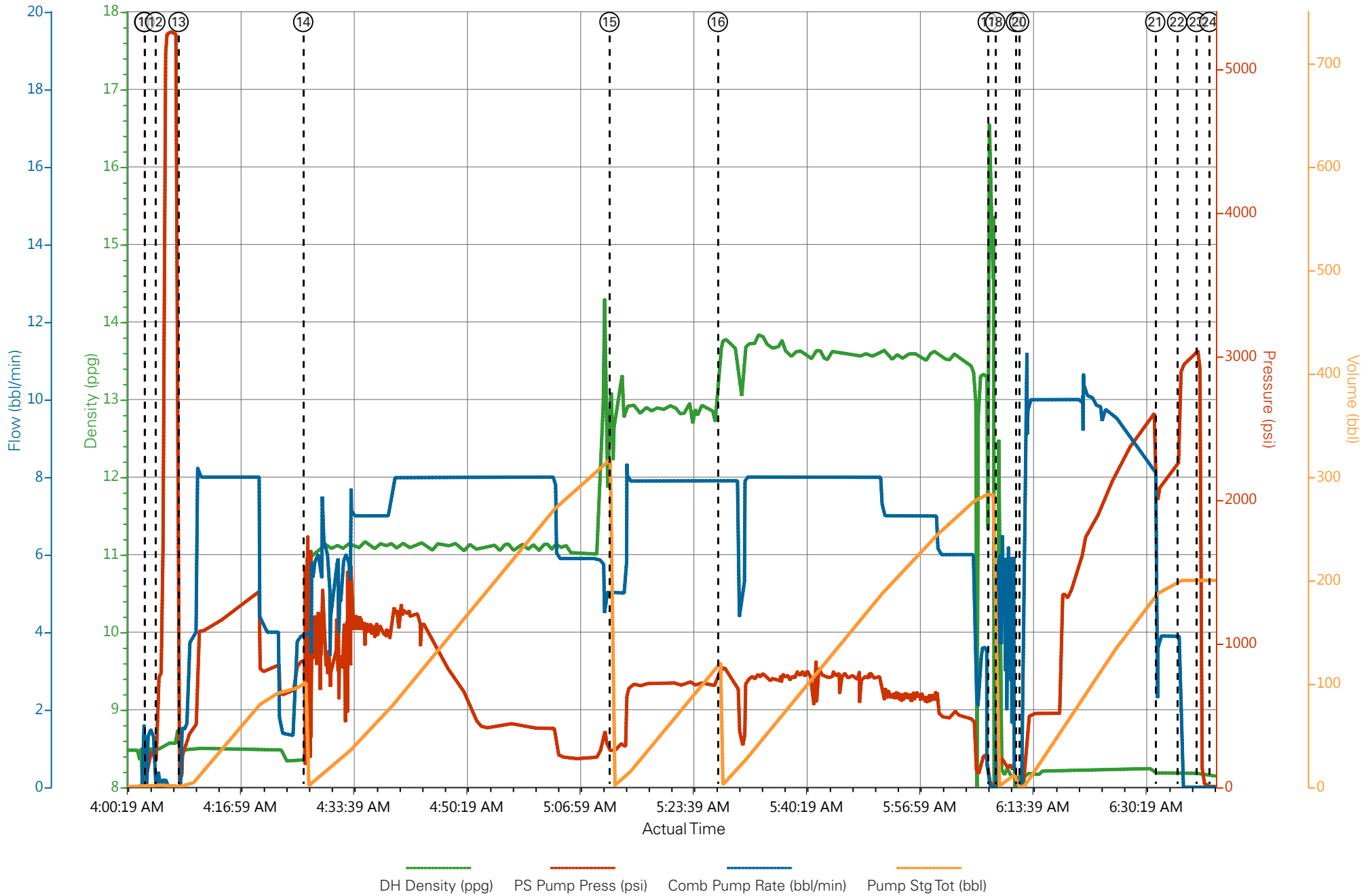
Well: RGU 313-25-198

Representative: BEAUDE OAKS

Sales Order #: 902245367

ERIC CARTER: TAYLOR MORELAND

WPX - RGU 313-25-198 - PRODUCTION



HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: ERIC CARTER
Attention: J.Trout
Lease: H&P 318
Well #: RGU 313-25-198

Date: 5/1/2015
Date Rec.: 5/1/2015
S.O.#: 902245367
Job Type: PRODUCTION

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	1000 Mg / L
Hardness	<i>500</i>	250 Mg / L
Iron (FE2)	<i>300</i>	10 Mg / L
Chlorides (Cl)	<i>3000</i>	500 Mg / L
Sulfates (SO ₄)	<i>1500</i>	<200 Mg / L
Temp	<i>40-80</i>	60 Deg
Total Dissolved Solids		OR Mg / L

Respectfully: ERIC CARTER

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 #: 0902245367	Line Item: 10	Survey Conducted Date: 4/29/2015
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT PRODUCTION CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-103-11983-00
Well Name: FEDERAL		Well Number: 0080129286
Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: RIO BLANCO

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	4/29/2015
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HX15491
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	4/29/2015
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	Deviated
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?	
Pumping Hours	2.5
Total number of hours pumping fluid on this job. Enter in decimal format.	
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	
Was this a Primary Cement Job (Yes / No)	Yes
Primary Cement Job= Casing job, Liner job, or Tie-back job.	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Customer Non-Productive Rig Time (hrs)	0

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Customer Representative:		API / UWI: (leave blank if unknown) 05-103-11983-00
Well Name: FEDERAL		Well Number: 0080129286
Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: RIO BLANCO

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.	
Was the non productive time or the unplanned shutdown caused by a problem with a piece of equipment? Was the non productive time or the unplanned shutdown caused by a problem with a piece of equipment?	No
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs?	None
If a top plug was run, was the plug bumped? (Yes/No/N/A) If a top plug was run, was the plug bumped? (Yes/No/N/A)	Yes
If applicable, was Halliburton float equipment used? (Yes/No/N/A) If applicable, was Halliburton float equipment used? (Yes/No/N/A)	Not Available
If applicable, did the floats hold? (Yes/No/N/A) If applicable, did the floats hold? (Yes/No/N/A)	Yes
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
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	97
If applicable, were there returns throughout the job? (Yes/No/N/A) If applicable, were there returns throughout the job? (Yes/No/N/A)	Yes
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