

WPX Energy Rocky Mountain LLC - EBUS

RU 331-7

Nabors 574

Post Job Summary

Cement Production Casing

Date Prepared: 12/29/2014

Job Date: 12/18/2014

Submitted by: Patrick Ealey – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3356176	Quote #:	Sales Order #: 0901921489
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: GARY VALAD		
Well Name: YOUNBERG	Well #: RU 331-7	API/UWI #: 05-045-22349-00	
Field: RULISON	City (SAP): RIFLE	County/Parish: GARFIELD	State: COLORADO
Legal Description: SE NE-7-7S-93W-2448FNL-389FEL			
Contractor: NABORS DRLG	Rig/Platform Name/Num: NABORS 574		
Job BOM: 7523			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180	Srv Supervisor: Christopher Kukus		
Job			

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	10254ft Job Depth TVD
Water Depth	Wk Ht Above Floor 5 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	9.001	32.3			0	1150		0
Casing	0	4.5	4	11.6	8 RD	P-110	0	10254		0
Open Hole Section			8.75				1150	10254	0	0

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	4.5	1		10254		Top Plug	4.5	1	HES
Float Shoe	4.5					Bottom Plug	4.5		HES
Float Collar	4.5	1		10221		SSR plug set	4.5		HES
Insert Float	4.5					Plug Container	4.5	1	HES
Stage Tool	4.5					Centralizers	4.5		HES

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	Fresh Water	10	bbl	8.34			4	

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	EconoCem GJ2	ECONOCHEM (TM) SYSTEM	215	sack	12.7	1.66		6	8.51

		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	ThermaCem GJ2	THERMACEM (TM) SYSTEM	845	sack	13.5	1.74		6	7.61
		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	Fresh Water Displacement	Fresh Water Displacement	158.4	bbl	8.34			9.5	
Cement Left In Pipe		Amount	33 ft		Reason		Shoe Joint		
Comment									

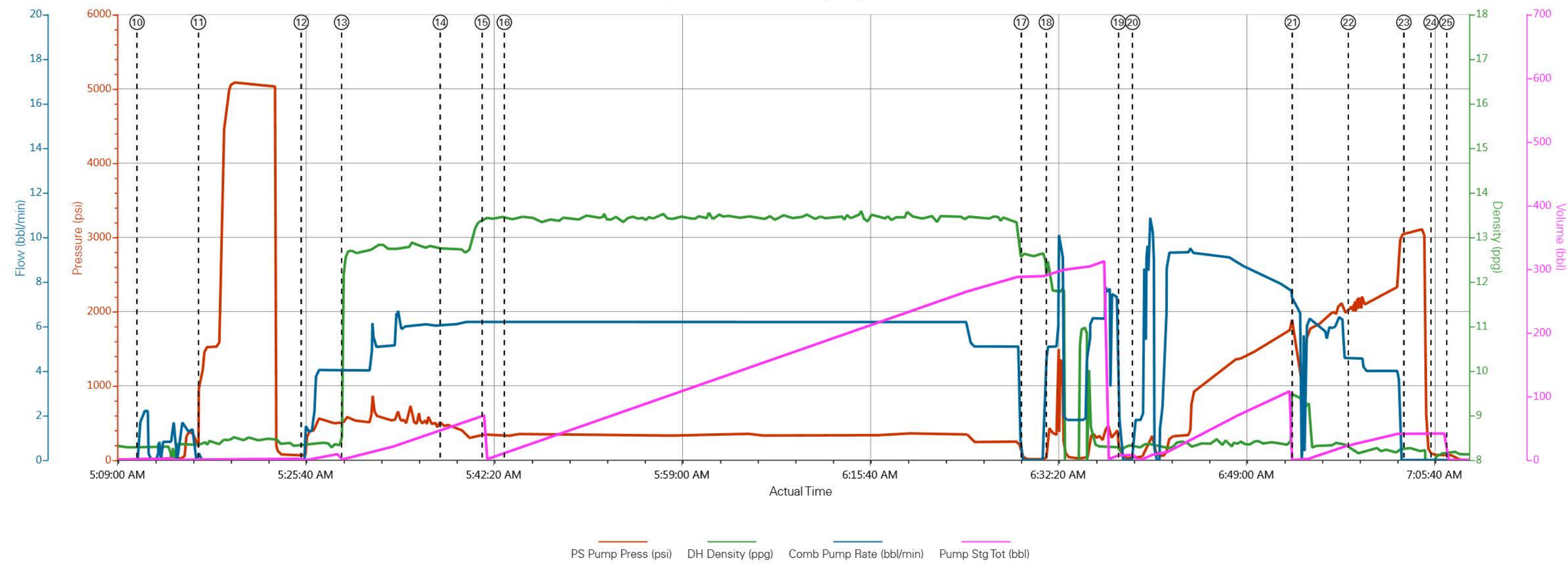
1.1 Job Event Log

Type	Seq. No.	Activity	Date	Time	Source	PS Pump Press (psi)	DH Density (ppg)	Comb Pump Rate (bbl/min)	Pump Stg Tot (bbl)	Comment
Event	1	Call Out	12/17/2014	17:00:34	USER					HES CREW WAS CALLED OUT AT 17:00 WITH ON LOCATION TIME OF 23:00
Event	2	Pre-Convoy Safety Meeting	12/17/2014	21:50:35	USER					ALL HES CREW MEMBERS
Event	3	Crew Leave Yard	12/17/2014	22:00:45	USER					HES CREW LEFT YARD AT 22:00
Event	4	Arrive at Location from Service Center	12/18/2014	00:00:52	USER					HES CREW ARRIVED ON LOCATION AT 00:00 1 HOUR LATE DUE TO ISSUES WITH EQUIPMENT THAT NEED TO BE FIXED BEFORE LEAVING YARD RIG WAS RUNNING CASING HES CREW WAITED OFF LOCATION FOR RIG TO FINISH
Event	5	Assessment Of Location Safety Meeting	12/18/2014	02:00:58	USER					ALL HES CREW MEMBERS
Event	6	Pre-Rig Up Safety Meeting	12/18/2014	02:15:13	USER					ALL HES CREW MEMBERS
Event	7	Rig-Up Equipment	12/18/2014	02:30:24	USER					RIG UP TO STAND PIPE, WASH UP LINE TO PIT, FRESH WATER LINES TO UP RIGHT AND DAY TANK, BULK LINES TO SILO AND BULK TRUCK
Event	8	Pre-Job Safety Meeting	12/18/2014	04:30:36	USER					ALL HES CREW MEMBERS AND RIG CREW
Event	9	Start Job	12/18/2014	04:46:18	COM5					TD: 10254 TP: 10254 SJ: 33 FC: 10221 CSG: 4 1/2 11.6# P110 OH: 8 3/4 SF CSG: 9 5/8 32.3# H-40 AT 1150 MUD: 10.7 VISC: 65 RIG CIRCULATED FOR 3 HOURS BEFORE CEMENT JOB
Event	10	Prime Pumps	12/18/2014	05:10:55	COM5	340.0	8.32	2.0	2.0	PRIME LINES WITH 2 BBLS OF FRESH WATER
Event	11	Test Lines	12/18/2014	05:16:21	COM5	5087.0	8.31	0.00	2.0	PRESSURE TEST OK AT 5087 PSI KICK OUTS WORKING STALL OUT AT 1532 PSI
Event	12	Pump Spacer 1	12/18/2014	05:25:27	COM5	545.0	8.33	4.0	10.0	PUMP 10 BBLS OF FRESH WATER SPACER AHEAD
Event	13	Pump Lead Cement	12/18/2014	05:29:02	COM5	528.00	12.75	6.0	63.6	ECONOCEM 215 SKS 12.7 PPG 1.66 YIELD 8.51

										GAL/SK LEAD CEMENT WEIGHT VERIFIED BY MUD SCALE WET AND DRY SAMPLES WERE TAKEN TOTAL OF 63.6 BBLS OF LEAD CEMENT AWAY
Event	14	Check Weight	12/18/2014	05:37:46	COM5	454.00	12.75	6.0	47.6	LEAD CEMENT WEIGHT VERIFIED
Event	15	Pump Tail Cement	12/18/2014	05:41:29	COM5	349.00	13.54	6.0	261.9	THERMACEM 845 SKS 13.5 PPG 1.74 YIELD 7.61 GAL/SK TAIL CEMENT WEIGHT VERIFIED BY MUD SCALE WET AND DRY SAMPLES WERE TAKEN TOTAL OF 261.9 BBLS OF TAIL CEMENT AWAY
Event	16	Check Weight	12/18/2014	05:43:26	COM5	314.00	13.52	6.0	12.1	TAIL CEMENT WEIGHT VERIFIED
Event	17	Shutdown	12/18/2014	06:29:14	USER	30.00	12.63	0.00	261.9	SHUTDOWN END OF CEMENT READY TANKS FOR DISPLACEMENT
Event	18	Clean Lines	12/18/2014	06:31:27	USER	436.00	8.44	5.10	15.0	CLEAN PUMPS AND LINES WITH 15 BBLS OF FRESH WATER TO THE PIT
Event	19	Drop Top Plug	12/18/2014	06:37:51	USER					TOP PLUG AWAY WITH NO ISSUES
Event	20	Pump Displacement	12/18/2014	06:39:05	COM5	980.0	8.23	9.5	158.4	PUMP 158.4 BBLS OF KCL DISPLACEMENT 3 BAGS BE-6, 1 GAL MMCR, 16 BAGS OF KCL WERE USED
Event	21	Comment	12/18/2014	06:53:14	USER	1700.0	8.44	6.5	110.0	HES OPERATOR ACCIDENTALLY SHUT OFF THE FLEX COMPUTER ON THE PUMP ONCE THE COMPUTER CAME BACK UP THE KICK OUT ENGAGED KICKING THE PUMP OUT ONCE BACK ON LINE HES COULD ONLY REACH 6.5 BBLS MIN DUE TO THE DRIVER SIDE PUMP DOWN CAUSE OF PACKING BLEW OUT
Event	22	Slow Rate	12/18/2014	06:58:13	USER	2045.00	8.25	4.0	148.4	SLOW RATE TO BUMP PLUG
Event	23	Bump Plug	12/18/2014	07:03:08	USER	2350.0	8.23	4.0	158.4	PLUG BUMP AT 2350 PSI AND WAS TOOK UP TO 3104 PSI
Event	24	Check Floats	12/18/2014	07:05:32	USER	3104.0	8.36	0.00	158.4	FLOATS HELD WITH 2 BBLS BACK TO DISPLACEMENT TANKS
Event	25	End Job	12/18/2014	07:06:56	COM5					JOB WENT GOOD WITH NO MAJOR ISSUES WELL HAD FULL RETURNS THROUGH OUT CEMENT JOB PLUG BUMP AND FLOATS HELD NO SUGAR WAS USED
Event	26	Post-Job Safety Meeting (Pre Rig-	12/18/2014	07:15:42	USER					ALL HES CREW MEMBERS

Down)						
Event	27	Pre-Rig Down Safety Meeting	12/18/2014	07:20:50	USER	ALL HES CREW MEMBERS
Event	28	Rig-Down Equipment	12/18/2014	07:35:01	USER	RIG DOWN RIG FLOOR, GROUND IRON AND WASH UP LINE, FRESH WATER LINES, BULK LINES, WASH UP AND BLOW DOWN PUMP
Event	29	Pre-Convoy Safety Meeting	12/18/2014	08:50:12	USER	ALL HES CREW MEMBERS
Event	30	Crew Leave Location	12/18/2014	09:00:24	USER	THANK YOU FOR USING HALLIBURTON CEMENT CHRIS KUKUS AND CREW HAVE A NICE DAY

WPX ENERGY /YOUBERG RU 331-7 / 4 1/2 PRODUCTION CASING



- | | | | |
|--|--------------------|---|------------------------------|
| ① Call Out | ⑩ Prime Lines | ⑲ Drop Top Plug | 28 Rig-Down Equipment |
| ② Pre-Convoy Safety Meeting | ⑪ Test Lines | 20 Pump Displacement | 29 Pre-Convoy Safety Meeting |
| ③ Crew Leave Yard | ⑫ Pump Spacer 1 | 21 Comment | 30 Crew Leave Location |
| ④ Arrive at Location from Service Center | ⑬ Pump Lead Cement | 22 Slow Rate | |
| ⑤ Assessment Of Location Safety Meeting | ⑭ Check weight | 23 Bump Plug | |
| ⑥ Pre-Rig Up Safety Meeting | ⑮ Pump Tail Cement | 24 Check Floats | |
| ⑦ Rig-Up Equipment | ⑯ Check weight | 25 End Job | |
| ⑧ Pre-Job Safety Meeting | ⑰ Shutdown | 26 Post-Job Safety Meeting (Pre Rig-Down) | |
| ⑨ Start Job | ⑱ Clean Lines | 27 Pre-Rig Down Safety Meeting | |

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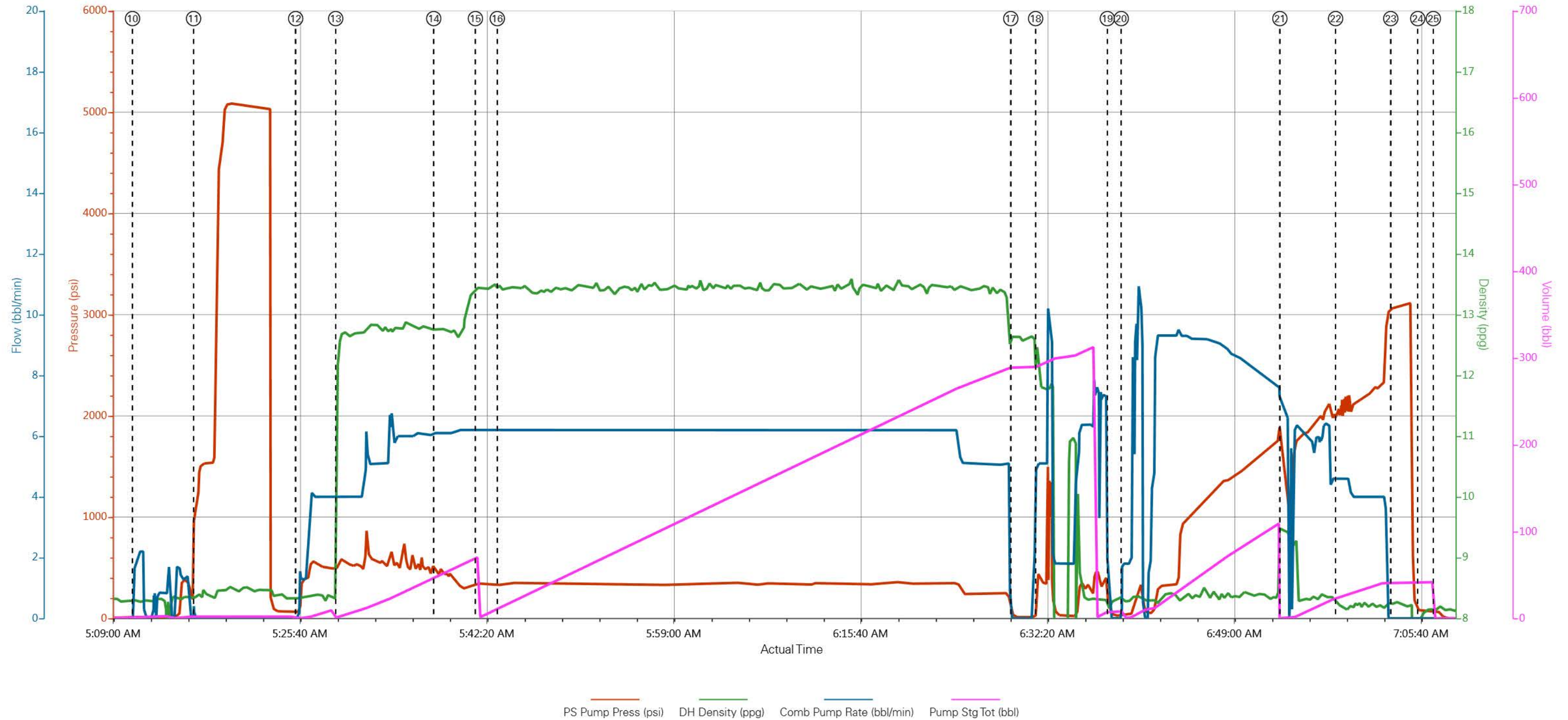
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Customer: WPX ENERGY LLC-EBUS
Representative: GARY VALAD

Job Date: 12/18/2014 3:42:34 AM
Sales Order #: 901921489

Well: YOUBERG RU 331-7
ELITE # 2: ZACH DIAZ / CHRIS KUKUS

WPX ENERGY /YOUBERG RU 331-7 / 4 1/2 PRODUCTION CASING



HALLIBURTON

Water Analysis Report

Company: WPX ENERGY

Submitted by: CHRIS KUKUS

Attention: LARRY COOKSEY

Lease YOUBERG

Well # RU 331-7

Date: 12/18/2014

Date Rec.: 12/18/2014

S.O.# 901921489

Job Type: PRODUCTION

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	0 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>	UNDER 400 Mg / L
Hardness		50 Mg / L
Temp	<i>40-80</i>	40 Deg
Total Dissolved Solids		200 Mg / L

Respectfully: CHRIS KUKUS

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 if

Sales Order #: 0901921489	Line Item: 10	Survey Conducted Date: 12/18/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT PRODUCTION CASING BOM
Customer Representative: GARY VALLAD		API / UWI: (leave blank if unknown) 05-045-22349-00
Well Name: YOUBERG		Well Number: 0080456560
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	12/18/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HX35027
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	GARY VALLAD
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

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Well Name: YOUBERG		Well Number: 0080456560
Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: GARFIELD

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	12/18/2014

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.	5
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
Pumping Hours Total number of hours pumping fluid on this job. Enter in decimal format.	3
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
Was this a Primary Cement Job (Yes / No) Primary Cement Job= Casing job, Liner job, or Tie-back job.	Yes
Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time.	0
Customer Non-Productive Rig Time (hrs)	0

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Customer Representative: GARY VALLAD		API / UWI: (leave blank if unknown) 05-045-22349-00
Well Name: YOUBERG		Well Number: 0080456560
Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: GARFIELD

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?	Top
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)	Yes
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	80
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	80
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