

WPX Energy Rocky Mountain LLC-EBUS

RU 533-7

NABORS 576

Post Job Summary

Cement Surface Casing

Date Prepared: 4/26/2015
Job Date: 4/14/2015

Submitted by: Keven Nye – Grand Junction Cement Engineer

1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density (ppg)	PS Pump Press (psi)	Comb Pump Rate (bbl/min)	Pump Stg Tot (bbl)	Comments
Event	1	Arrive at Location from Other Job or Site	Arrive at Location from Other Job or Site	4/14/2015	07:00:00	USER					RIG DRILLING UPON HES ARRIVAL
Event	2	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	4/14/2015	13:00:00	USER					ATTENDED BY ALL HES CREW
Event	3	Other	Other	4/14/2015	13:40:00	USER					SPOT EQUIPMENT
Event	4	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	4/14/2015	13:50:00	USER					ATTENDED BY ALL HES CREW
Event	5	Rig-Up Equipment	Rig-Up Equipment	4/14/2015	14:00:00	USER					
Event	6	Pre-Job Safety Meeting	Pre-Job Safety Meeting	4/14/2015	15:00:00	USER					ATTENDED BY ALL HES CREW, RIG CREW, AND COMPANY REP
Event	7	Other	Start Job	4/14/2015	15:15:16	USER					TD 1375', TP 1350', CASING 9.625", 32.3#, H40, SHOE JOINT 41.84', MUD WEIGHT 10.1 PPG, OPEN HOLE 13.5", RIG CIRCULATED FOR 1 HR PRIOR TO JOB
Event	8	Other	Fill Lines	4/14/2015	15:16:21	USER	8.34	40	2	2	FRESH WATER
Event	9	Test Lines	Test Lines	4/14/2015	15:17:47	USER					PRESSURED UP TO 3180 PSI, PRESSURE HELD
Event	10	Pump Spacer	Pump Spacer	4/14/2015	15:22:18	USER	8.34	110	4	20	FRESH WATER
Event	11	Pump Lead Cement	Pump Lead Cement	4/14/2015	15:29:31	USER	12.3	340	8	74.2	175 SKS VARICEM MIXED AT 12.3 PPG, WITH A YIELD OF 2.38, 14.17 GAL/SK
Event	12	Pump Tail Cement	Pump Tail Cement	4/14/2015	15:39:24	USER	12.8	330	8	65.8	175 SKS VARICEM MIXED AT 12.8 PPG, WITH A YIELD OF

2.11, 11.78 GAL/SK

Event	13	Shutdown	Shutdown	4/14/2015	15:48:10	USER					
Event	14	Drop Top Plug	Drop Top Plug	4/14/2015	15:50:59	USER					PLUG LAUNCHED
Event	15	Pump Displacement	Pump Displacement	4/14/2015	15:51:07	USER	8.34	640	10	92.9	FRESH WATER
Event	16	Slow Rate	Slow Rate	4/14/2015	16:02:01	USER	8.34	310	2	10	
Event	17	Bump Plug	Bump Plug	4/14/2015	16:06:26	USER		1120			PLUG LANDED
Event	18	Check Floats	Check Floats	4/14/2015	16:08:16	USER					FLOATS HELD, RECIEVED .5 BBLS TO THE TRUCK
Event	19	Other	End Job	4/14/2015	16:09:35	USER					GOOD CIRCULATION THROUGHOUT JOB, PIPE NOT MOVED DURING JOB, RECEIVED 25 BBLS OF CEMENT TO SURFACE
Event	20	Post-Job Safety Meeting (Pre Rig-Down)	Post-Job Safety Meeting (Pre Rig-Down)	4/14/2015	16:10:00	USER					ATTENDED BY ALL HES CREW
Event	21	Rig-Down Equipment	Rig-Down Equipment	4/14/2015	16:20:00	USER					
Event	22	Depart Location Safety Meeting	Depart Location Safety Meeting	4/14/2015	17:20:00	USER					ATTENDED BY ALL HES CREW
Event	23	Crew Leave Location	Crew Leave Location	4/14/2015	17:30:00	USER					THANK YOU FOR USING HALLIBURTON CEMENT, ERIC CARTER AND CREW.

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3599895	Quote #:	Sales Order #: 0902317913
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: AL HARTL	
Well Name: YOUNBERG RU	Well #: 533-7	API/UWI #: 05-045-22519-00	
Field: RULISON	City (SAP): RIFLE	County/Parish: GARFIELD	State: COLORADO
Legal Description: SE SE-7-7S-93W-1132FSL-1193FEL			
Contractor: NABORS DRLG		Rig/Platform Name/Num: NABORS 576	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA/HB50180		Srv Supervisor: Eric Carter	
Job			

Formation Name			
Formation Depth (MD)	Top	0	Bottom 1375 FT
Form Type	BHST		
Job depth MD	1350ft	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	3	9.625	9.001	32.3	8 RD (LT&C)	H-40	0	1350		0
Open Hole Section			13.5				0	1375		0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe					Top Plug	9.625	1	HES
Float Shoe					Bottom Plug			
Float Collar					SSR plug set			
Insert Float					Plug Container	9.625	1	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 ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Fresh Water	Fresh Water	20	bbl	8.34			4	

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
2	VariCem GJ1	VARICEM (TM) CEMENT	175	sack	12.3	2.38	13.77	8	

13.77 Gal		FRESH WATER							
0.25 lbm		POLY-E-FLAKE (101216940)							
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	VariCem GJ1	VARICEM (TM) CEMENT	175	sack	12.8	2.11	11.78	8	
0.25 lbm		POLY-E-FLAKE (101216940)							
11.78 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	102.9	bbl	8.34			10	
Cement Left In Pipe		Amount	42 ft		Reason		Shoe Joint		
Comment									

Summary Report



Crew: _____

Job Start Date: 4/14/2015

Sales Order #: 0902317913

WO #: 0902317913

PO/AFE #: NA

Customer: WPX ENERGY ROCKY MOUNTAIN Field:
LLC-EBUS

UWI / API Number: 05-045-22519-00

Well Name: YOUNBERG RU

Well No: 533-7

County/Parish: GARFIELD

State: COLORADO

Latitude: 39.454780

Longitude: -107.810843

Sect / Twn / Rng: 7/7/93

Job Type: CMT SURFACE
CASING BOM

Service Supervisor: Eric Carter

Cust Rep Name: AL HARTL

Cust Rep Phone#:

Remarks:

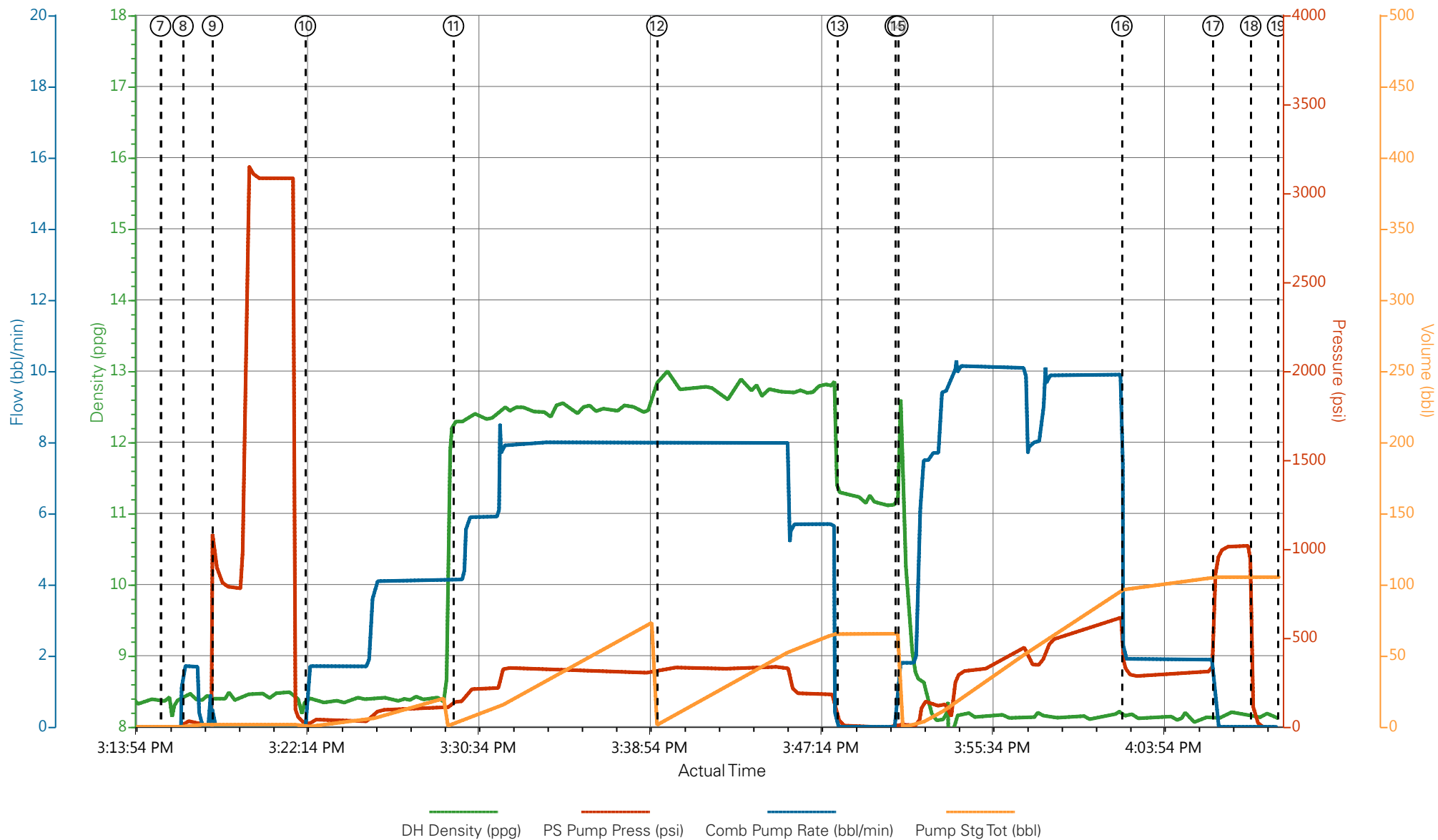
The Information Stated Herein Is Correct

Customer Representative Signature

Customer Representative Printed Name

Date

WPX - YOUNBERG RU 533-7 - SURFACE



① Arrive at Location from Other Job or Site n/a;n/a;n/a;n/a	④ Pre-Rig Up Safety Meeting n/a;n/a;n/a;n/a	⑦ Start Job 8.35;-13;0;0	⑩ Pump Spacer 8.39;17;1.7;0.2	⑬ Shutdown 11.29;19;0;65.3
② Assessment Of Location Safety Meeting n/a;n/a;n/a;n/a	⑤ Rig-Up Equipment n/a;n/a;n/a;n/a	⑧ Fill Lines 8.47;29;1.7;0.4	⑪ Pump Lead Cement 12.3;144;4.1;2.6	⑭ Drop Top Plug 12.27;9;1.8;65
③ Other n/a;n/a;n/a;n/a	⑥ Pre-Job Safety Meeting n/a;n/a;n/a;n/a	⑨ Test Lines 8.41;925;0;1.5	⑫ Pump Tail Cement 12.93;324;8;2.7	⑮ Pump Displacement 12.58;1

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Created: 2015-04-14 09:40:31, Version: 4.1.107

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 4/14/2015 2:30:45 PM

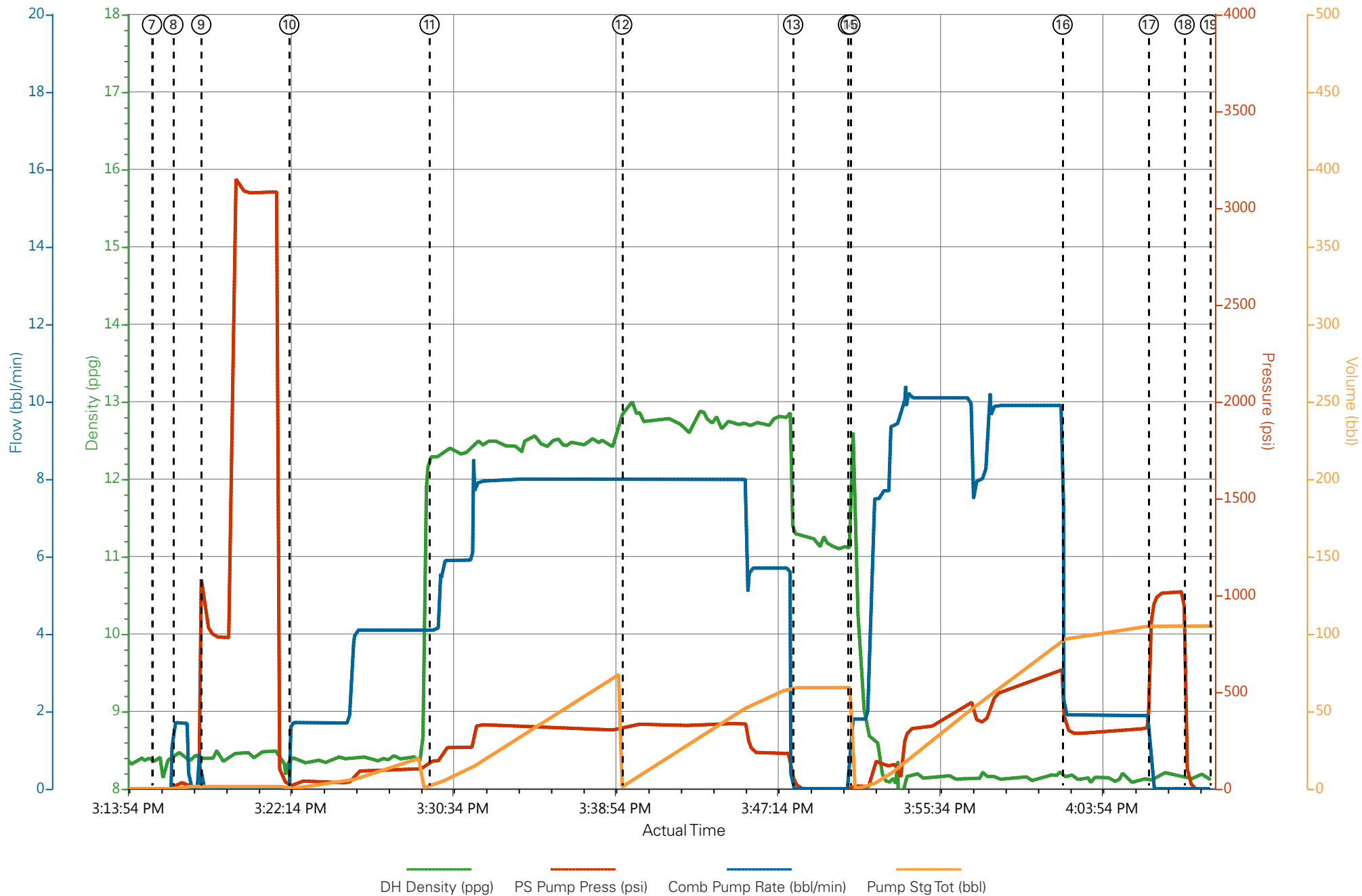
Well: RU 533-7

Representative: AL HARTL

Sales Order #: 902317913

ERIC CARTER: TAYLOR MORELAND / ELITE 3

WPX - YOUNBERG RU 533-7 - SURFACE



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

HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: ERIC CARTER

Attention: J.Trout

Lease: NABORS 576

Well #: YOUBERG RU 433-7

Date: 4/26/2015

Date Rec.: 4/26/2015

S.O.#: 902307166

Job Type: PRODUCTION

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

Sales Order #: 0902317913	Line Item: 10	Survey Conducted Date: 4/14/2015
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL HARTL		API / UWI: (leave blank if unknown) 05-045-22519-00
Well Name: YOUBERG RU		Well Number: 0080688973
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	4/14/2015
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HX15491
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	AL HARTL
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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KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	4/14/2015

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.	4
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.	1
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	5
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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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)	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	98
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
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