

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

NER 443-32

Nabors 576

Post Job Summary

Cement Surface Casing

Date Prepared: 07/16/2014
Job Date: 04/21/2014

Submitted by: Aaron Katz – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3123446	Quote #:	Sales Order #: 0901286106
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: AL HARTL		
Well Name: FEDERAL	Well #: NER 443-32	API/UWI #: 05-045-21775-00	
Field: RULISON	City (SAP): RIF	County/Parish: GARFIELD	State: COLORADO
Legal Description: 5-7S-93W-161FNL-2596FWL			
Contractor: NABORS DRLG	Rig/Platform Name/Num: NABORS 576		
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HAL7171	Srv Supervisor: Bill Jamison		
Job			

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type			BHST
Job depth MD	1153ft		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
Open Hole Section			13.5				0	1195		
Casing		9.625	9.001	32.3		H-40	0	1153		

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	9.625			1153		Top Plug	9.625	1	HES
Float Shoe	9.625					Bottom Plug	9.625		HES
Float Collar	9.625					SSR plug set	9.625		HES
Insert Float	9.625					Plug Container	9.625		HES
Stage Tool	9.625					Centralizers	9.625		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 Spacer	Fresh Water Spacer	20	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	Lead Cement	VARICEM (TM) CEMENT	140	sack	12.3	2.38		8	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	160	sack	12.8	2.11		8	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	87	bbl	8.34				
Cement Left In Pipe		Amount	43.88ft		Reason		Shoe Joint		
Comment									

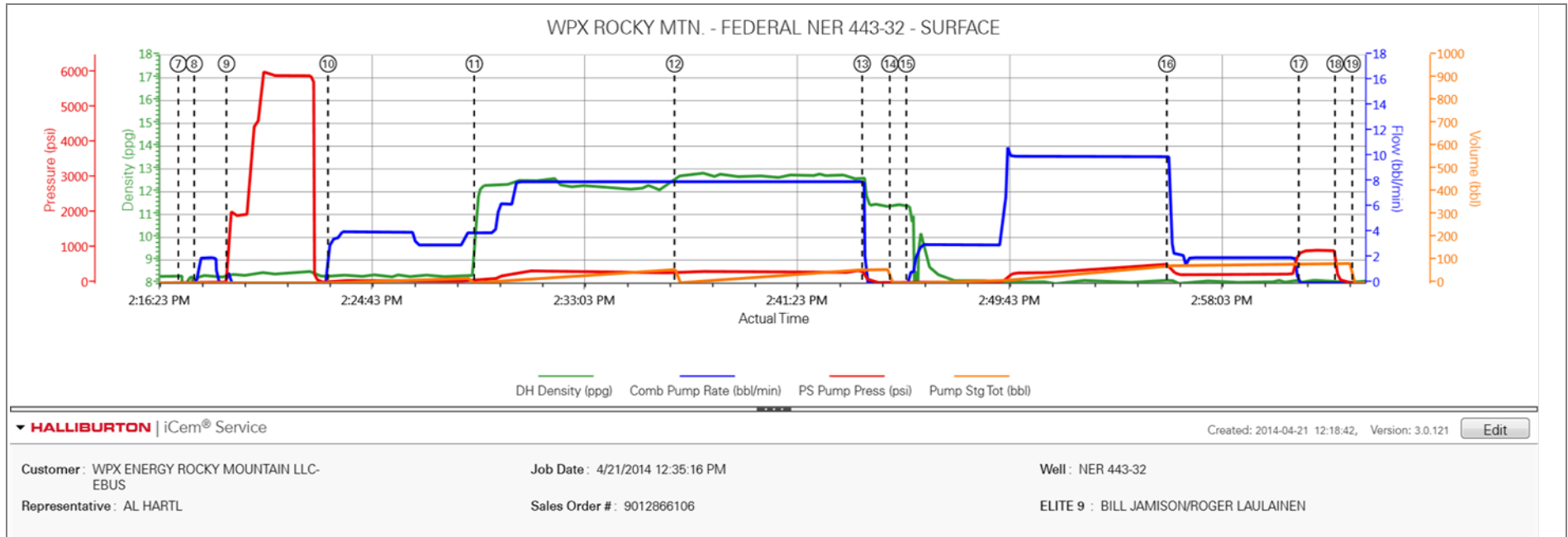
4.1 Job Event Log

Type	Seq No.	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comment
Event	1	Call Out	4/21/2014	06:30:00	USER					TD 1195 TP 1152.23 SJ 43.88 MUD 10.2 CASING 9.621 32.3 # H-40 SHOE SET @ 1146 HOLE SIZE 13.5
Event	2	Depart Yard Safety Meeting	4/21/2014	09:00:00	USER					
Event	3	ARRIVE ON LOCATION	4/21/2014	11:00:00	USER					
Event	4	Assessment Of Location Safety Meeting	4/21/2014	11:30:00	USER					
Event	5	Pre-Rig Up Safety Meeting	4/21/2014	11:45:00	USER					
Event	6	Pre-Job Safety Meeting	4/21/2014	13:00:00	USER					
Event	7	Start Job	4/21/2014	14:17:14	COM2					
Event	8	Prime Pumps	4/21/2014	14:17:51	COM2	8.4	2	30	2	FRESH WATER
Event	9	Test Lines	4/21/2014	14:19:07	COM2			5000		
Event	10	Pump Spacer 1	4/21/2014	14:23:06	COM2	8.4	4	65	20	FRESH WATER
Event	11	Pump Lead Cement	4/21/2014	14:28:50	COM2	12.3	8	292	59	MIXED @ 12.3 YIELD 2.38 WAT/REQ 13.77 140 SKS
Event	12	Pump Tail Cement	4/21/2014	14:36:41	COM2	12.8	8	324	60	MIXED @ 12.8 YIELD 2.11 WAT/REQ 11.77 160 SKS
	13	Shutdown	4/21/2014	14:44:03	USER					
Event	14	Drop Plug	4/21/2014	14:45:08	USER					
Event	15	Pump Displacement	4/21/2014	14:45:46	COM2		10			FRESH WATER
Event	16	Slow Rate	4/21/2014	14:56:00	USER	8.4	2	540	76	
Event	17	Bump Plug	4/21/2014	15:01:10	COM2	8.4	2	930	87	PRESSURED UP TO 930 PSI
Event	18	Check Floats	4/21/2014	15:02:36	USER	8.07	0.00	196.00	85.4	FLOATS HELD
Event	19	End Job	4/21/2014	15:03:16	COM2	8.02	0.00	-3.00	0.0	CEMENT TO SURFACE 11 BBLs
Event	20	Post-Job Safety	4/21/2014	15:10:00	USER					GOOD CIRCULATION THROUGHOUT JOB

		Meeting (Pre Rig-Down)					
Event	21	Depart Location Safety Meeting	4/21/2014	15:50:00	USER		CASING WAS NOT MOVED THROUGHOUT JOB
Event	22	Crew Leave Location	4/21/2014	16:00:00	USER		THANKS FOR USING Halliburton BILL JAMISON & CREW

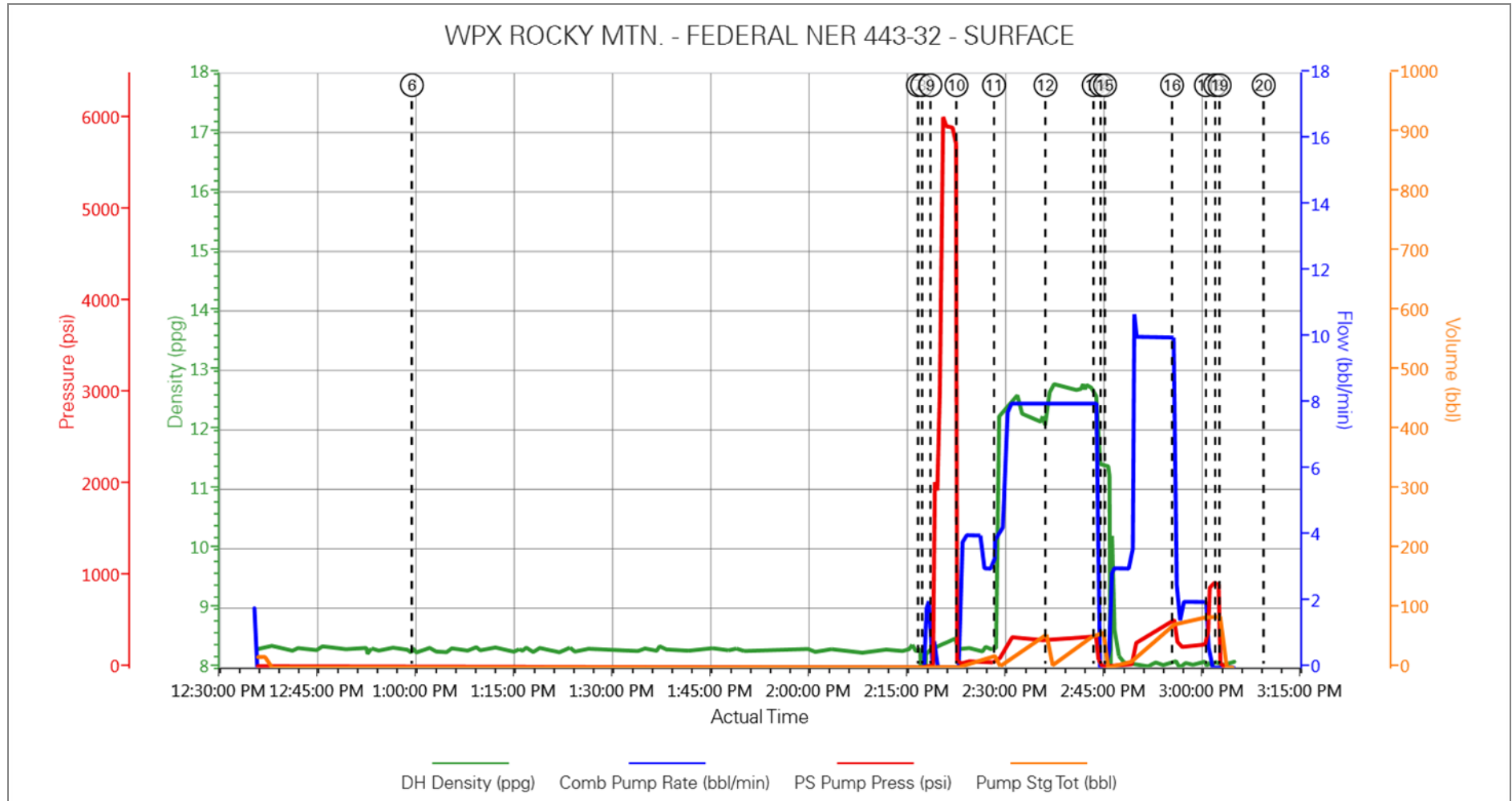
5.0 Attachments

5.1 WPX FEDERAL NER 443-32 SURFACE CASING 9.625.png



6.0 Custom Graphs

6.1 Custom Graph



HALLIBURTON

Water Analysis Report

Company: WILLIAMS PRODUCTION

Submitted by: BILL JAMISON

Attention: DALLAS SCOTT

Lease FEDERAL

Well # NER 443-32

Date: 4/21/2014

Date Rec.: 4/21/2014

S.O.# 901286106

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>	0 Mg / L
Sulfates (SO ₄)	<i>1500</i>	below 200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	60 Deg
Total Dissolved Solids		250 Mg / L

Respectfully: BILL JAMISON

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

Sales Order #: 0901286106	Line Item: 10	Survey Conducted Date: 4/21/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL HARTL		API / UWI: (leave blank if unknown) 05-045-21775-00
Well Name: FEDERAL		Well Number: 0080125493
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	4/21/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HAL9235
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	NONE

CUSTOMER SIGNATURE

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KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	4/21/2014

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.	Deviated
Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	3
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.	1
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	5
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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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