

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

NER 414-32

**Nabors 576**

# **Post Job Summary**

## **Cement Surface Casing**

Date Prepared: 03/23/2014

Submitted by: Grand Junction Cement Engineering

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3123450	Quote #:	Sales Order #: 0901210422
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Al Hartl	
Well Name: FEDERAL	Well #: NER 414-32	API/UWI #: 05-045-21780-00	
Field: RULISON	City (SAP): RIF	County/Parish: GARFIELD	State: COLORADO
Legal Description: 5-7S-93W-185FNL-2593FWL			
Contractor: NABORS DRLG		Rig/Platform Name/Num: NABORS 576	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180		Srvc Supervisor: Carlton Kukus	
<b>Job</b>			

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	1100ft 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	New	9.625	9.001	32.3	8 RD	H-40	0	1136	0	1136
Open Hole Section			13.5				0	1175	0	1175

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	9.625	1		1136		Top Plug	9.625	1	HES
Float Shoe	9.625	1				Bottom Plug	9.625	1	HES
Float Collar	9.625	1				SSR plug set	9.625	1	HES
Insert Float	9.625	1				Plug Container	9.625	1	HES
Stage Tool	9.625	1				Centralizers	9.625	1	HES

Miscellaneous Materials													
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Qty	Conc

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	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	160	Sack/Ton	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/mi n	Total Mix Fluid Gal
3	Tail Cement	VARICEM (TM) CEMENT	160	Sack/Ton	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/mi n	Total Mix Fluid Gal
4	Displacement	Displacement	86.3	bbl	8.34			10	
<b>Cement Left In Pipe</b>		<b>Amount</b> 40 ft	<b>Reason</b>			Shoe Joint			
<b>Comment</b> 40 BBLs OF CEMENT TO SURFACE RIG USED 30 POUNDS OF SUGAR									

# Summary Report



Sales Order #: 0901210422  
WO #: 0901210422  
PO/AFE #: NA

Crew: \_\_\_\_\_

Job Start Date: 3/22/2014

<b>Customer:</b>	WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	<b>Field:</b>	RULISON	<b>Job Type:</b>	CMT SURFACE CASING BOM
<b>UWI / API Number:</b>	05-045-21780-00	<b>County/Parish:</b>	GARFIELD	<b>Service Supervisor:</b>	
<b>Well Name:</b>	FEDERAL	<b>State:</b>	COLORADO		
<b>Well No:</b>	NER 414-32	<b>Latitude:</b>	39.474850	<b>Cust Rep Name:</b>	
		<b>Longitude:</b>	-107.798841	<b>Cust Rep Phone #:</b>	
		<b>Sect / Twn / Rng:</b>	5/7/93		

Remarks:		
<i>The Information Stated Herein Is Correct</i>	Customer Representative Signature	Date
	Customer Representative Printed Name	

4.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Downhole Density (ppg)	Pass-Side Pump Pressure (psi)	Pump Stage Total (bbl)	Combined Pump Rate (bbl/min)	Comment
Event	1	Other	Call Out 20:00	3/21/2014	00:00:00	USER					CREW CALLED OUT
Event	2	Other	Crew Called Out 20:00	3/21/2014	02:04:53	USER					ALL HES
Event	3	Other	Pre-Convoy Safety Meeting 22:00	3/21/2014	02:04:58	USER					1 F-550 PICKUP, 1 ELITE PUMP TRUCK, 1 660 BULK TRUCK
Event	4	Other	Crew Leave Yard 22:30	3/21/2014	02:05:01	USER					ALL HES EMPLOYEES LEAVE YARD IN CONVOY
Event	5	Other	Arrive At Location 01:00	3/22/2014	02:05:05	USER					HES ARRIVED ON TIME RIG WAS JUST STARTING TO RUN CASING HES WAITED TO SPOT EQUIPMENT AND RIG UP
Event	6	Other	Assesment Of Location 01:15	3/22/2014	02:05:08	USER					RIG WAS RUNNING CASING
Event	7	Other	Pre Rig Safety Meeting 04:30	3/22/2014	02:05:11	USER					HES SPOTTED EQUIPMENT, HES RIGGED UP IRON TO THE STAND PIPE, WATER LINES TO RIG UP RIGHT AND BULK EQUIPMENT
Event	8	Other	Rig Up Equipment 04:45	3/22/2014	02:06:42	USER					ALL HES EMPLOYEES
Event	9	Other	Pre Job Safety Meeting 05:15	3/22/2014	02:06:47	USER					ALL HES EMPLOYEES AND RIG CREW
Event	10	STRTJOB	Start Job 05:25	3/22/2014	05:22:28	COM5	8.26	1.00	0.0	0.00	TD: 1175 FT, TP: 1136.2 FT, SJ: 40.23 FT, OH: 13 1/2", CSG: 9.625 32.3# H-40, MUD: 10.6 PPG
Event	11	Other	Fill Lines 05:25	3/22/2014	05:23:57	USER	8.15	5.00	2.0	2.0	FILL LINES TO PRESSURE TEST
Event	12	TESTLINE	Test Lines 05:29	3/22/2014	05:28:45	USER	8.36	3123.00	2.1	0.00	PRESSURE TEST LINES TO 3000 PSI
Event	13	Other	Release Pressure 05:31	3/22/2014	05:30:47	USER	8.32	3117.00	2.1	0.00	RELEASE PRESSURE
Event	14	Other	Fresh Water Spacer	3/22/2014	05:31:37	USER	8.19	140	20	4	20 BBLs FRESH WATER

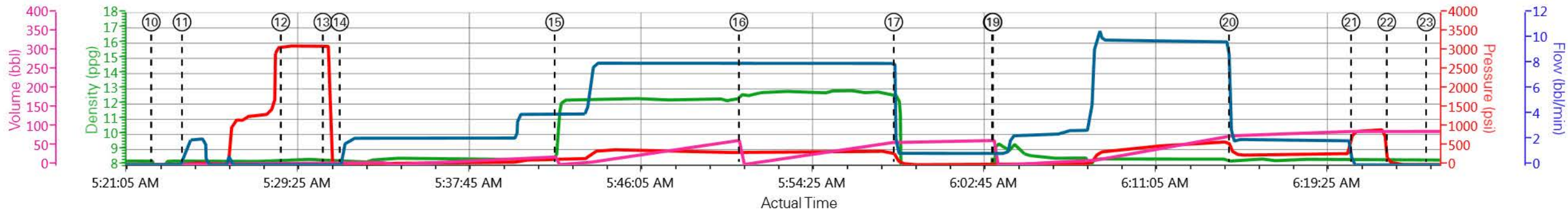
			05:32								SPACER
Event	15	Pump Cement	Pump Lead Cement 05:42	3/22/2014	05:42:03	USER	12.3	137.00	65	8.00	160 SKS VARICEM CEMENT 12.3 PPG 2.38 YIELD 13.77 GAL/SK WEIGHT VERIFIED VIA MUD SCALES THROUGHOUT LEAD CEMENT
Event	16	Pump Cement	Pump Tail Cement 05:51	3/22/2014	05:51:00	USER	12.8	337.00	60.1	8.00	160 SKS VARICEM CEMENT 12.8 PPG 2.11 YIELD 11.77 GAL/SK WEIGHT VERIFIED VIA MUD SCALES THOUGHOUT TAIL CEMENT
Event	17	Shutdown	Shutdown 05:59	3/22/2014	05:58:31	USER	12.55	161.00	60.1	0.00	SHUTDOWN HES WASHED UP ON TOP OF PLUG, READY TANKS FOR DISPLACEMENT
Event	18	Other	Drop Top Plug 06:03	3/22/2014	06:03:18	USER	8.57	5.00	0.0	0.90	PLUG AWAY NO PROBLEMS
Event	19	Pump Displacement	Pump Displacement 06:04	3/22/2014	06:03:20	USER	9.47	350	76.6	10	START DISPLACEMENT
Event	20	Other	Slow Rate 06:15	3/22/2014	06:14:48	USER	8.28	357.00	76.6	2.00	SLOW RATE TO 2 BBL/MIN TO BUMP PLUG
Event	21	Other	Bump Plug 06:20	3/22/2014	06:20:43	USER	8.35	843.00	87.9	0.00	BUMP PLUG AT 285 PSI TOOK TO 924 PSI
Event	22	Other	Release Pressure 06:22	3/22/2014	06:22:27	USER	8.32	83.00	87.9	0.00	RELEASE PRESSURE/CHECK FLOATS. FLOATS HELD .5 BBL BACK TO TANKS
Event	23	STRTJOB	End Job 06:24	3/22/2014	06:24:22	USER	8.33	6.00	87.9	0.00	END JOB 40 BBLS OF CEMENT TO SURFACE RIG USED 30 POUNDS OF SUGAR
Event	24	Post-Job Safety Meeting (Pre Rig-Down)	Post-Job Safety Meeting (Pre Rig-Down) 06:30	3/22/2014	06:24:23	USER	8.34	6.00	87.9	0.00	ALL HES EMPLOYEES, RIG DOWN FLOOR, RIG DOWN IRON, BULK EQUIPMENT AND WATER HOSES
Event	25	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting 07:15	3/22/2014	06:24:24	USER	8.34	6.00	87.9	0.00	1 F-550 PICKUP, 1 ELITE PUMP TRUCK, 1 660 BULK TRUCK, ALL HES EMPLOYEES

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Event	26	Crew Leave Location	Crew Leave Location 07:30	3/22/2014	06:24:25	USER	8.34	6.00	87.9	0.00	CREW LEAVES LOCATION
Event	27	Arrive at Shop	Arrive at Shop 09:30	3/22/2014	06:24:26	USER	8.34	6.00	87.9	0.00	CREW ARRIVES AT YARD AFTER 10 HOUR RESET
Event	28	Other	Other	3/22/2014	06:24:27	USER	8.34	6.00	87.9	0.00	THANK YOU FOR CHOOSING HALLIBURTON CEMENT CARL KUKUS AND CREW

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# WPX/FEDERAL/NER 414-32/SURFACE



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

① Call Out 20:00 n/a; n/a; n/a; n/a	⑦ Pre Rig Safety Meeting 04:30 n/a; n/a; n/a; n/a	⑬ Release Pressure 05:31 8.32; 3117; 2.1; 0	⑲ Pump Displacement 06:04 9.47; 7; 0.1; 0.9
② Crew Called Out 20:00 n/a; n/a; n/a; n/a	⑧ Rig Up Equipment 04:45 n/a; n/a; n/a; n/a	⑭ Fresh Water Spacer 05:32 8.19; 12; 2.1; 0.5	20 Slow Rate 06:15 8.28; 357; 76.6; 1.6
③ Pre-Convoy Safety Meeting 22:00 n/a; n/a; n/a; n/a	⑨ Pre Job Safety Meeting 05:15 n/a; n/a; n/a; n/a	⑮ Pump Lead Cement 05:42 9.82; 138; 0.3; 4	21 Bump Plug 06:20 8.35; 843; 87.9; 0
④ Crew Leave Yard 22:30 n/a; n/a; n/a; n/a	⑩ Start Job 05:25 8.26; 1; 0; 0	⑯ Pump Tail Cement 05:51 12.63; 337; 0.2; 8	22 Release Pressure 06:22 8.32; 83; 87.9; 0
⑤ Arrive At Location 01:00 n/a; n/a; n/a; n/a	⑪ Fill Lines 05:25 8.16; 6; 0.2; 0.8	⑰ Shutdown 05:59 12.5; 147; 59.9; 0.9	23 End Job 06:24 8.33; 6; 87.9; 0
⑥ Assessment Of Location 01:15 n/a; n/a; n/a; n/a	⑫ Test Lines 05:29 8.36; 3124; 2.1; 0	⑱ Drop Top Plug 06:03 8.99; 6; 0; 0.9	

▼ HALLIBURTON | iCem® Service

Created: 2014-03-22 02:00:02, Version: 3.0.121

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 3/22/2014 4:42:49 AM

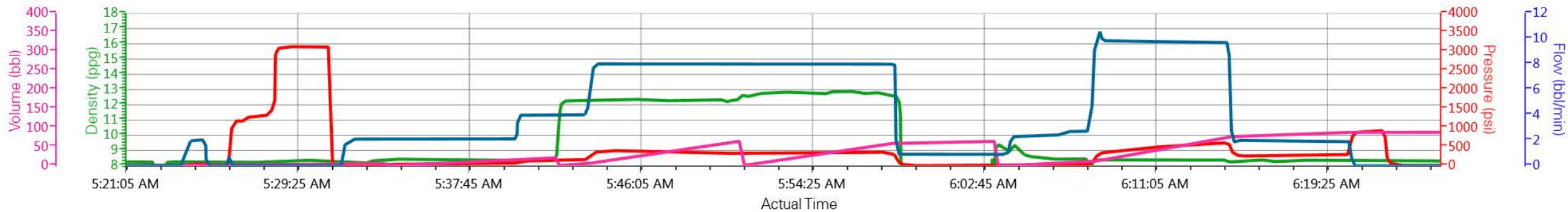
Well: Federal NER 414-32

Representative: Al Hartl

Sales Order #: 0901210422

Supervisor/Operator: Carlton Kukus/Anthony Andrews E-4

# WPX/FEDERAL/NER 414-32/SURFACE



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