

# HALLIBURTON

iCem<sup>®</sup> Service

**WPX ENERGY ROCKY MOUNTAIN LLC-EBUS**

**For:**

Date: Wednesday, April 02, 2014

**NER 314-32**

NER 314-32

Case 1

Sincerely,

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 300721	<b>Ship To #:</b> 3458524	<b>Quote #:</b>	<b>Sales Order #:</b> 0901239638
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Customer Rep:</b> RICK OAKS	
<b>Well Name:</b> Federal NER	<b>Well #:</b> 314-32	<b>API/UWI #:</b> 05-045-21774	
<b>Field:</b>	<b>City (SAP):</b> RIFLE	<b>County/Parish:</b> GARFIELD	<b>State:</b> COLORADO
<b>Legal Description:</b>			
<b>Contractor:</b> NABORS DRLG		<b>Rig/Platform Name/Num:</b> NABORS 576	
<b>Job BOM:</b> 7521			
<b>Well Type:</b> GAS			
<b>Sales Person:</b> HALAMERICA\HB50180		<b>Srvc Supervisor:</b> Edward Deussen	
<b>Job</b>			

Formation Name	
Formation Depth (MD)	Top
Form Type	BHST
Job depth MD	1168ft
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	0	9.625	9.001	32.3	8 RD	H-40	0	1168	0	0
Open Hole Section			13.5				0	1168	0	0

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe				1168		Top Plug	9.625	1	HES
Float Shoe						Bottom Plug			
Float Collar						SSR plug set			
Insert Float						Plug Container	9.625	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 ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Fresh Water	Fresh Water	20	bbl	8.34			4.0		
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	130	Sack/Ton	12.3	2.38		7.0	13.77	
13.77 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	175	Sack/Ton	12.8	2.11		8.0	11.77
11.77 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	Displacement	Displacement	88.5	bbl	8.34			10.0	
Cement Left In Pipe		Amount	44 ft		Reason		Shoe Joint		
Comment									

# Summary Report



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

Job Start Date: 4/1/2014

Sales Order #: 0901239638  
WO #: 0901239638  
PO/AFE #: NA

Customer: WPX ENERGY ROCKY MOUNTAIN Field:

LLC-EBUS

UWI / API Number: 05-045-21774

County/Parish: GARFIELD

Well Name: Federal NER

State: COLORADO

Well No: 314-32

Latitude:

Longitude:

Sect / Twn / Rng: //

Job Type: CMT SURFACE

CASING BOM

Service Supervisor: Edward Deussen

Cust Rep Name: RICK OAKS

Cust Rep Phone #:

**Remarks:**

<b>The Information Stated Herein Is Correct</b>	Customer Representative Signature 	Date  4/2/2014
	Customer Representative Printed Name	

## 1.1 Job Event Log

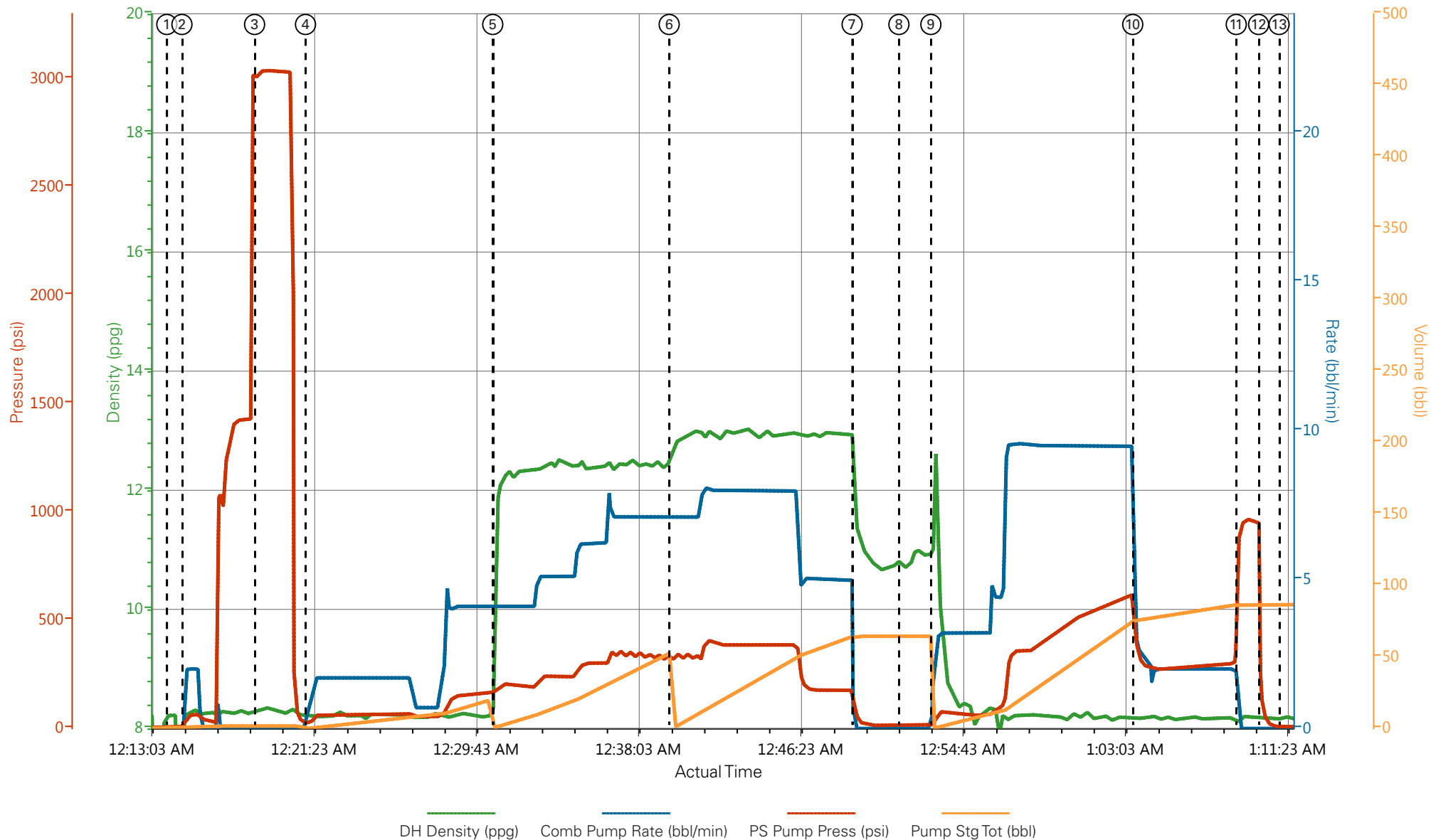
Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comment
Event	1	Pre-Job Safety Meeting	Pre-Job Safety Meeting	4/1/2014	23:45:00	USER					All personnel on site
Event	2	Start Job	Start Job	4/2/2014	00:13:58	COM5					TP 1168', SJ 43.90', Mud 10.1 ppg, 13 1/2" OH,9 5/8" H-40 csg
Event	3	Prime Pumps	Prime Lines	4/2/2014	00:14:45	USER	8.23	2.0	62	2.0	
Event	4	Test Lines	Test Lines	4/2/2014	00:18:29	COM5			3039		Pressure held well
Event	5	Pump Spacer 1	Pump H2O Spacer	4/2/2014	00:21:06	COM5	8.23	4.0	161	20.0	Fresh Water
Event	6	Pump Lead Cement	Pump Lead Cement	4/2/2014	00:30:43	COM5	12.3	7.0	342	55.1	130 sks, 12.3 ppg, 2.38 yield, 13.77 gal/sk
Event	7	Pump Tail Cement	Pump Tail Cement	4/2/2014	00:39:46	COM5	12.8	8.0	390	65.8	175 sks, 12.8 ppg, 2.11 yield, 11.77 gal/sk
Event	8	Shutdown	Shutdown/Wash Lines	4/2/2014	00:49:10	USER					Wash up on top of plug
Event	9	Drop Top Plug	Drop Top Plug	4/2/2014	00:51:34	USER					
Event	10	Pump Displacement	Pump Displacement	4/2/2014	00:53:13	COM5	8.26	10.0	620	88.5	Fresh Water
Event	11	Other	Slow Rate	4/2/2014	01:03:35	COM5	8.27	2.0	278	10.0	Good returns throughout
Event	12	Bump Plug	Bump Plug	4/2/2014	01:08:54	COM5			302		25 bbls cement to surface
Event	13	Other	Check Floats	4/2/2014	01:10:02	COM5			966		Floats held - 1/2 bbl flowback
Event	14	End Job	End Job	4/2/2014	01:11:06	COM5					50 lbs sugar used
Event	15	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	4/2/2014	01:20:00	USER					
Event	16	Rig-Down Equipment	Rig-Down Equipment	4/2/2014	01:30:00	USER					
Event	17	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	4/2/2014	02:30:00	USER					

---

Event	18	Crew Leave Location	Crew Leave Location	4/2/2014	02:45:00	USER	Thank you for using Halliburton - Ed Deussen
-------	----	---------------------	---------------------	----------	----------	------	---

---

# WPX - NER 314-32 - 9 5/8" SURFACE



- |                              |                                      |                                       |                                |                         |
|------------------------------|--------------------------------------|---------------------------------------|--------------------------------|-------------------------|
| ① Start Job 8.23;0;3.0       | ④ Pump H2O Spacer 8.23;0.7;25;0.1    | ⑦ Shutdown/Wash Lines 11.37;0;76;64.5 | ⑩ Slow Rate 8.17;3.7;419;76.1  | ⑬ End Job 8.16;0;8;86.7 |
| ② Prime Lines 8.24;2;31;0.1  | ⑤ Pump Lead Cement 11.1;4.1;174;1    | ⑧ Drop Top Plug 10.71;0;14;64.5       | ⑪ Bump Plug 8.15;0;900;86.7    |                         |
| ③ Test Lines 8.29;0;3021;1.7 | ⑥ Pump Tail Cement 12.63;7.1;314;0.1 | ⑨ Pump Displacement 12.16;1.8;28;0.2  | ⑫ Check Floats 8.16;0;127;86.7 |                         |

▼ **HALLIBURTON** | iCem® Service

Created: 2014-04-01 22:58:35, Version: 3.0.121

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 4/1/2014 11:32:46 PM

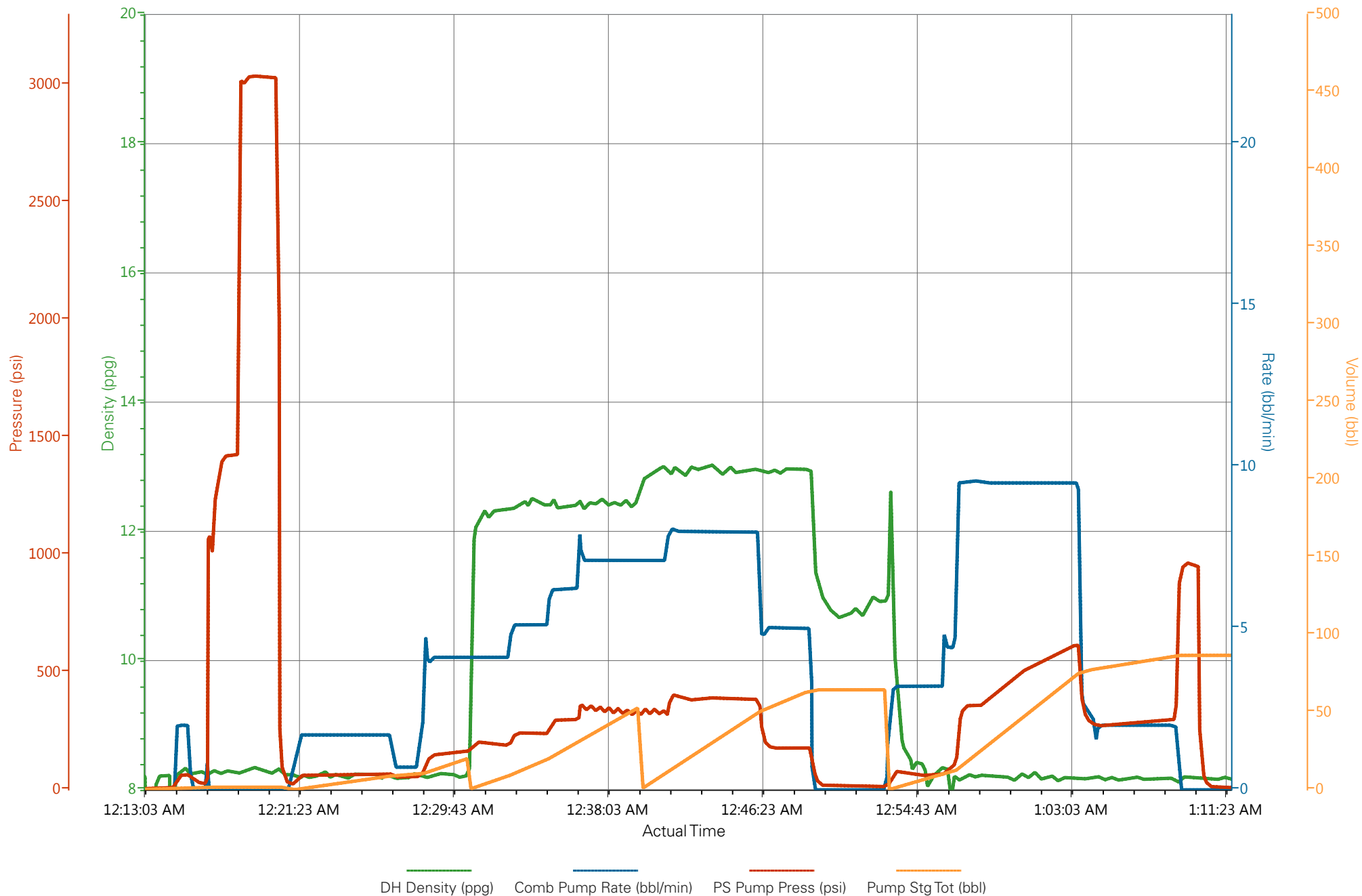
Well: NER 314-32

Representative: Rick Oaks

Sales Order #: 901239638

Elite #9: Ed Deussen / Rob Eickhoff

# WPX - NER 314-32 - 9 5/8" SURFACE





<b>Sales Order #:</b> 0901239638	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 4/2/2014
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> RICK OAKS		<b>API / UWI: (leave blank if unknown)</b> 05-045-21774
<b>Well Name:</b> Federal NER		<b>Well Number:</b> N/A
<b>Well Type:</b> GAS	<b>Well Country:</b> USA	
<b>H2S Present:</b> No	<b>Well State:</b> COLORADO	<b>Well County:</b> 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	4/2/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HB57194
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	RICK OAKS
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

<b>Sales Order #:</b> 0901239638	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 4/2/2014
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> RICK OAKS		<b>API / UWI: (leave blank if unknown)</b> 05-045-21774
<b>Well Name:</b> Federal NER		<b>Well Number:</b> N/A
<b>Well Type:</b> GAS	<b>Well Country:</b> USA	
<b>H2S Present:</b> No	<b>Well State:</b> COLORADO	<b>Well County:</b> GARFIELD

### KEY PERFORMANCE INDICATORS

General	
<b>Survey Conducted Date</b> The date the survey was conducted	4/2/2014

Cementing KPI Survey	
<b>Type of Job</b> Select the type of job. (Cementing or Non-Cementing)	0
<b>Select the Maximum Deviation range for this Job</b> What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
<b>Total Operating Time (hours)</b> Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	4
<b>HSE Incident, Accident, Injury</b> HSE Incident, Accident, Injury. This should be recordable incidents only.	No
<b>Was the job purpose achieved?</b> Was the job delivered correctly as per customer agreed design?	Yes
<b>Operating Hours (Pumping Hours)</b> Total number of hours pumping fluid on this job. Enter in decimal format.	1
<b>Customer Non-Productive Rig Time (hrs)</b> 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
<b>Type of Rig Classification Job Was Performed</b> Type Of Rig (classification) Job Was Performed On	Drilling Rig (Portable)
<b>Number Of JSAs Performed</b> Number Of Jsas Performed	5
<b>Number of Unplanned Shutdowns</b> Unplanned shutdown is when injection stops for any period of time.	0
<b>Was this a Primary Cement Job (Yes / No)</b>	Yes

<b>Sales Order #:</b> 0901239638	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 4/2/2014
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> RICK OAKS		<b>API / UWI: (leave blank if unknown)</b> 05-045-21774
<b>Well Name:</b> Federal NER		<b>Well Number:</b> N/A
<b>Well Type:</b> GAS	<b>Well Country:</b> USA	
<b>H2S Present:</b> No	<b>Well State:</b> COLORADO	<b>Well County:</b> GARFIELD

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
<b>Did We Run Wiper Plugs?</b> Did We Run Top And Bottom Casing Wiper Plugs?	Top
<b>Mixing Density of Job Stayed in Designed Density Range (0-100%)</b> Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	99
<b>Was Automated Density Control Used?</b> Was Automated Density Control (ADC) Used ?	Yes
<b>Pump Rate (percent) of Job Stayed At Designed Pump Rate</b> 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	99
<b>Nbr of Remedial Sqz Jobs Rqd - Competition</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
<b>Nbr of Remedial Plug Jobs Rqd - HES</b> Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
<b>Nbr of Remedial Sqz Jobs Rqd - HES</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0