

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

NER 534-32

Nabors 576

Post Job Summary

Cement Surface Casing

Date Prepared: 05/02/14

Job Date: 05/01/14

Submitted by: Evan Russell - Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3123453	Quote #:	Sales Order #: 0901307057
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Rick Oaks	
Well Name: FEDERAL	Well #: NER 534-32	API/UWI #: 05-045-21783-00	
Field: RULISON	City (SAP): RIF	County/Parish: GARFIELD	State: COLORADO
Legal Description: 5-7S-93W-163FNL-2586FWL			
Contractor: NABORS DRLG		Rig/Platform Name/Num: NABORS 576	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180		Srv Supervisor: Edward Deussen	
Job			

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	1107.53ft 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	1106		0
Casing		9.625	9.001	32.3			0	1107.53		0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe				1107.53	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 ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Fresh Water Spacer	Fresh Water Spacer	20	bbl	8.34			4.0	

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	125	sack	12.3	2.38		7.0	13.77

13.72 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	VariCem GJ1	VARICEM (TM) CEMENT	175	sack	12.8	2.11		7.0	11.77
11.76 Gal		FRESH WATER							
94 lbm		TYPE I / II CEMENT, BULK (101439798)							
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	83.7	bbl	8.3			10.0	
Cement Left In Pipe		Amount	44.02 ft		Reason		Shoe Joint		
Comment									

Summary Report



Crew: _____

Job Start Date: 5/1/2014

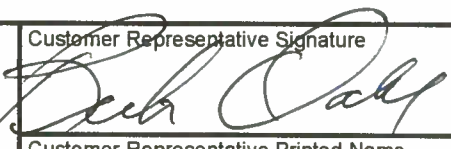
Sales Order #: 0901307057

WO #: 0901307057

PO/AFE #: NA

Customer:	WPX ENERGY ROCKY MOUNTAIN Field:	RULISON	Job Type:	CMT SURFACE	
	LLC-EBUS			CASING BOM	
UWI / API Number:	05-045-21783-00	County/Parish:	GARFIELD	Service Supervisor:	Edward Deussen
Well Name:	FEDERAL	State:	COLORADO		
Well No:	NER 534-32	Latitude:	39.474909		
		Longitude:	-107.798864	Cust Rep Name:	Rick Oaks
		Sect / Twn / Rng:	5/7/93	Cust Rep Phone #:	

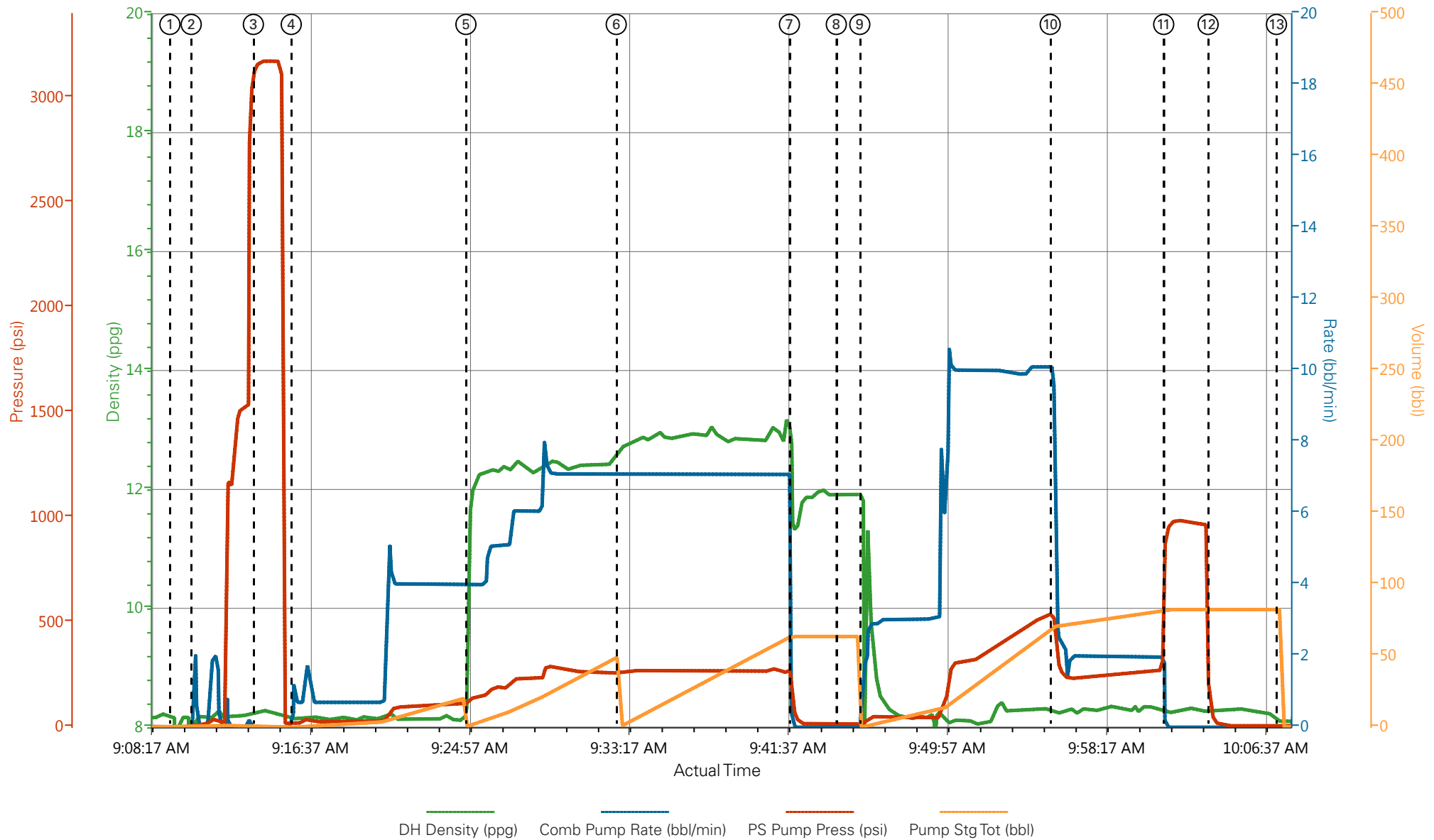
Remarks:

The Information Stated Herein Is Correct	Customer Representative Signature 	Date 05/01/14
	Customer Representative Printed Name RICK OAKS	

3.1 Job Event Log

Type	Seq. No.	Activity	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comment
Event	1	Start Job	5/1/2014	09:09:25	COM5					O/L 0600 - TP 1107.53', SJ 44.02', 13 1/2" OH, 9 5/8" 32.3 csg, Mud 10.0 ppg
Event	2	Prime Pumps	5/1/2014	09:10:31	COM5	8.23	2.0	45	2.0	
Event	3	Test Lines	5/1/2014	09:13:47	COM5			3175		Pressure held well
Event	4	Pump Spacer 1	5/1/2014	09:15:46	COM5	8.26	4.0	110	20.0	Fresh Water
Event	5	Pump Lead Cement	5/1/2014	09:24:54	COM5	12.3	7.0	270	53.0	125 sks, 12.3 ppg, 2.38 yield, 13.77 gal/sk
Event	6	Pump Tail Cement	5/1/2014	09:32:46	COM5	12.8	7.0	268	65.8	175 sks, 12.8 ppg, 2.11 yield, 11.77 gal/sk
Event	7	Shutdown	5/1/2014	09:41:50	COM5					Wash up on top of plug
Event	8	Drop Top Plug	5/1/2014	09:44:17	COM5					
Event	9	Pump Displacement	5/1/2014	09:45:31	COM5	8.25	10.0	543	83.7	Fresh Water
Event	10	Other	5/1/2014	09:55:29	COM5	8.25	2.0	230	10.0	15 bbls cement to surface
Event	11	Bump Plug	5/1/2014	10:01:26	COM5			277		
Event	12	Other	5/1/2014	10:03:45	COM5			967		Floats held - 1/2 bbl flowback
Event	13	End Job	5/1/2014	10:07:20	COM5					40 lbs sugar used

WPX - NER 534-32 - 9 5/8" SURFACE



- | | | | | |
|-------------------------------|--------------------------------------|--------------------------------------|-------------------------------|-------------------------|
| ① Start Job 8.16;0;5;0 | ④ Pump H2O Spacer 8.16;0.7;17;0.1 | ⑦ Shutdown/Wash Up 11.27;0;110;63.6 | ⑩ Slow Rate 8.24;9.6;541;70.3 | ⑬ End Job 8.11;0;7;82.5 |
| ② Prime Pumps 8.02;1.7;11;0.1 | ⑤ Pump Lead Cement 11.34;4;122;1.2 | ⑧ Drop Top Plug 11.96;0;13;63.6 | ⑪ Bump Plug 8.25;0;930;82.5 | |
| ③ Test Lines 8.26;0;3155;1.2 | ⑥ Pump Tail Cement 12.58;7.1;268;0.2 | ⑨ Pump Displacement 11.82;1.8;17;0.1 | ⑫ Check Floats 8.3;0;71;82.5 | |

▼ **HALLIBURTON** | iCem® Service

Created: 2014-05-01 08:13:51, Version: 3.0.121

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 5/1/2014 8:15:20 AM

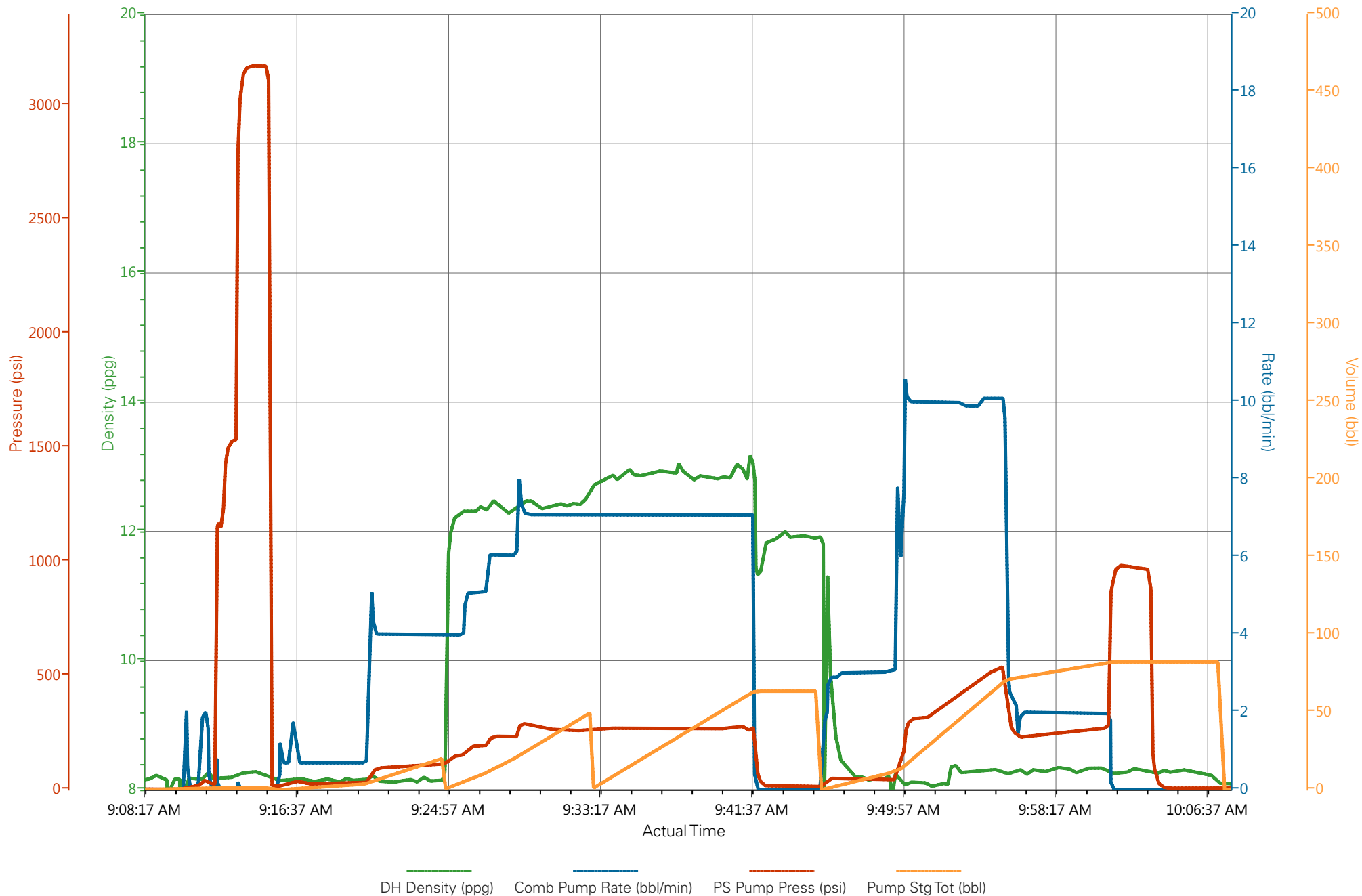
Well: NER 534-32

Representative: Rick Oaks

Sales Order #: 901307057

Elite #9: Ed Deussen / Rob Eickhoff

WPX - NER 534-32 - 9 5/8" SURFACE



HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: ED DEUSSEN

Attention: J.TROUT

Lease: NER

Well #: 534-32

Date: 5/1/2014

Date Rec.: 5/1/2014

S.O.#: 901307057

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	6.5
Potassium (K)	<i>5000</i>	200 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>	<200 Mg / L
Temp	<i>40-80</i>	44 Deg
Total Dissolved Solids		310 Mg / L

Respectfully: ED DEUSSEN

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 use.

Sales Order #: 0901307057	Line Item: 10	Survey Conducted Date: 5/1/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: RICK OAKS		API / UWI: (leave blank if unknown) 05-045-21783-00
Well Name: FEDERAL		Well Number: 0080125500
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	5/1/2014
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	THANKS GREAT JOB

CUSTOMER SIGNATURE

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Customer Representative: RICK OAKS		API / UWI: (leave blank if unknown) 05-045-21783-00
Well Name: FEDERAL		Well Number: 0080125500
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	5/1/2014

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.	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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Customer Representative: RICK OAKS		API / UWI: (leave blank if unknown) 05-045-21783-00
Well Name: FEDERAL		Well Number: 0080125500
Well Type: DIRECTIONAL GAS	Well Country: USA	
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	95
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	99
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