

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

PA 524-16

Nabors 573

Post Job Summary

Cement Surface Casing

Date Prepared: 05/02/2014

Job Date: 04/30/14

Submitted by: Evan Russell - Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 3123607		Quote #:		Sales Order #: 0901311508				
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Beaudé Oaks						
Well Name: FEDERAL		Well #: PA 524-16		API/UWI #: 05-045-22042-00						
Field: PARACHUTE		City (SAP): PAR		County/Parish: GARFIELD		State: COLORADO				
Legal Description: SE NW-21-6S-95W-2600FNL-1396FWL										
Contractor: NABORS DRLG				Rig/Platform Name/Num: NABORS 573						
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		1204.62ft		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		9.625	9.001	32.3			0	1204.62		0
Open Hole Section			13.5				0	1224		0
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe				1204.62		Top Plug	9.625	1	HES	
Float Shoe						Bottom Plug			HES	
Float Collar						SSR plug set			HES	
Insert Float						Plug Container	9.625	1	HES	
Stage Tool						Centralizers			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			4.0		
Fluid Data										
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		7.0	13.77	

13.72 Gal		FRESH WATER							
0.25 %		D-AIR 5000, 50 LB SACK (102068797)							
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	175	sack	12.8	2.11		7.0	11.77
0.25 %		D-AIR 5000, 50 LB SACK (102068797)							
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/mi n	Total Mix Fluid Gal
4	Fresh Water Displacement	Fresh Water Displacement	91.1	bbl	8.34			10.0	
Cement Left In Pipe		Amount	46.53 ft		Reason		Shoe Joint		
Comment									

Summary Report



Crew: _____

Job Start Date: 4/30/2014

Sales Order #: 0901311508

WO #: 0901311508

PO/AFE #: NA

Customer: WPX ENERGY ROCKY MOUNTAIN Field:

LLC-EBUS

PARACHUTE

UWI / API Number: 05-045-22042-00

County/Parish: GARFIELD

Well Name: FEDERAL

State: COLORADO

Well No: PA 524-16

Latitude: 39.510514

Longitude: -108.008151

Sect / Twn / Rng: 21/6/95

Job Type:

CMT SURFACE

CASING BOM

Service Supervisor: Edward Deussen

Cust Rep Name: Beaudé Oaks

Cust Rep Phone #:

Remarks:

The Information Stated Herein Is Correct

Customer Representative Signature

Customer Representative Printed Name

Beaudé Oaks

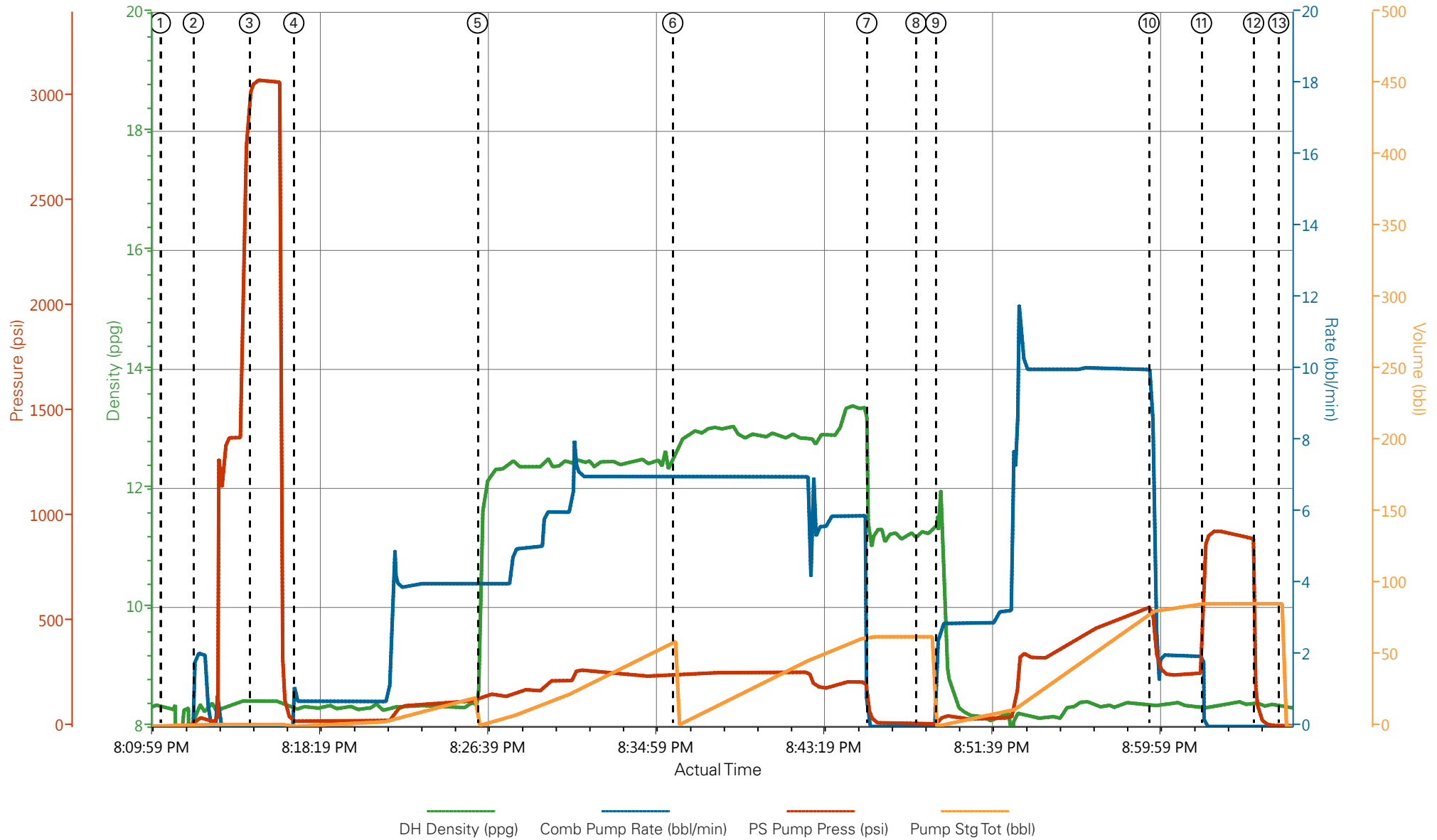
Date

4-30-2014

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	4/30/2014	20:10:34	COM5					O/L 1200 - TP 1204.62, SJ 46.53, 13 1/2" OH, 32.3 9 5/8" csg, Mud @ 10.4 ppg
Event	2	Prime Pumps	4/30/2014	20:12:12	COM5	8.25	2.0	43	2.0	
Event	3	Test Lines	4/30/2014	20:14:59	COM5			3079		Pressure held well
Event	4	Pump Spacer 1	4/30/2014	20:17:11	COM5	8.30	4.0	170	20.0	Fresh Water
Event	5	Pump Lead Cement	4/30/2014	20:26:17	COM5	12.3	7.0	257	59.3	140 sks, 12.3 ppg, 2.38 yield, 13.77 gal/sk
Event	6	Pump Tail Cement	4/30/2014	20:35:58	COM5	12.8	7.0	260	65.8	175 sks, 12.8 ppg, 2.11 yield, 11.77 gal/sk
Event	7	Shutdown	4/30/2014	20:45:36	USER					Wash up on top of plug
Event	8	Drop Top Plug	4/30/2014	20:48:02	COM5					
Event	9	Pump Displacement	4/30/2014	20:49:01	COM5	8.37	10.0	565	91.1	Fresh Water
Event	10	Other	4/30/2014	20:59:35	COM5	8.37	2.0	240	10.0	
Event	11	Bump Plug	4/30/2014	21:02:11	COM5			273		15 bbls cement to surface
Event	12	Other	4/30/2014	21:04:46	COM5			901		Floats held - 1/2 bbl flowback
Event	13	End Job	4/30/2014	21:06:01	COM5					40 lbs sugar used - 2 add hours

WPX - PA 524-16 - 9 5/8" SURFACE



- | | | | | |
|-------------------------------|------------------------------------|--------------------------------------|-----------------------------|-------------------------|
| ① Start Job 8.35;0;2;0 | ④ Pump H2O Spacer 8.29;0.7;22;0.1 | ⑦ Shutdown/Wash Up 11.18;0;59;62.8 | ⑩ Other 8.37;9.9;571;80.2 | ⑬ End Job 8.33;0;4;85.9 |
| ② Prime Pumps 8.25;2.1;29;0.3 | ⑤ Pump Lead Cement 10.94;4;132;0.9 | ⑧ Drop Top Plug 11.25;0;11;62.8 | ⑪ Bump Plug 8.33;0;852;85.9 | |
| ③ Test Lines 8.4;0;3057;1.4 | ⑥ Pump Tail Cement 12.68;7;246;0.1 | ⑨ Pump Displacement 11.75;2.6;27;0.3 | ⑫ Other 8.45;0;115;85.9 | |

▼ **HALLIBURTON** | iCem® Service

Created: 2014-04-30 18:16:56, Version: 3.0.121

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 4/30/2014 7:04:11 PM

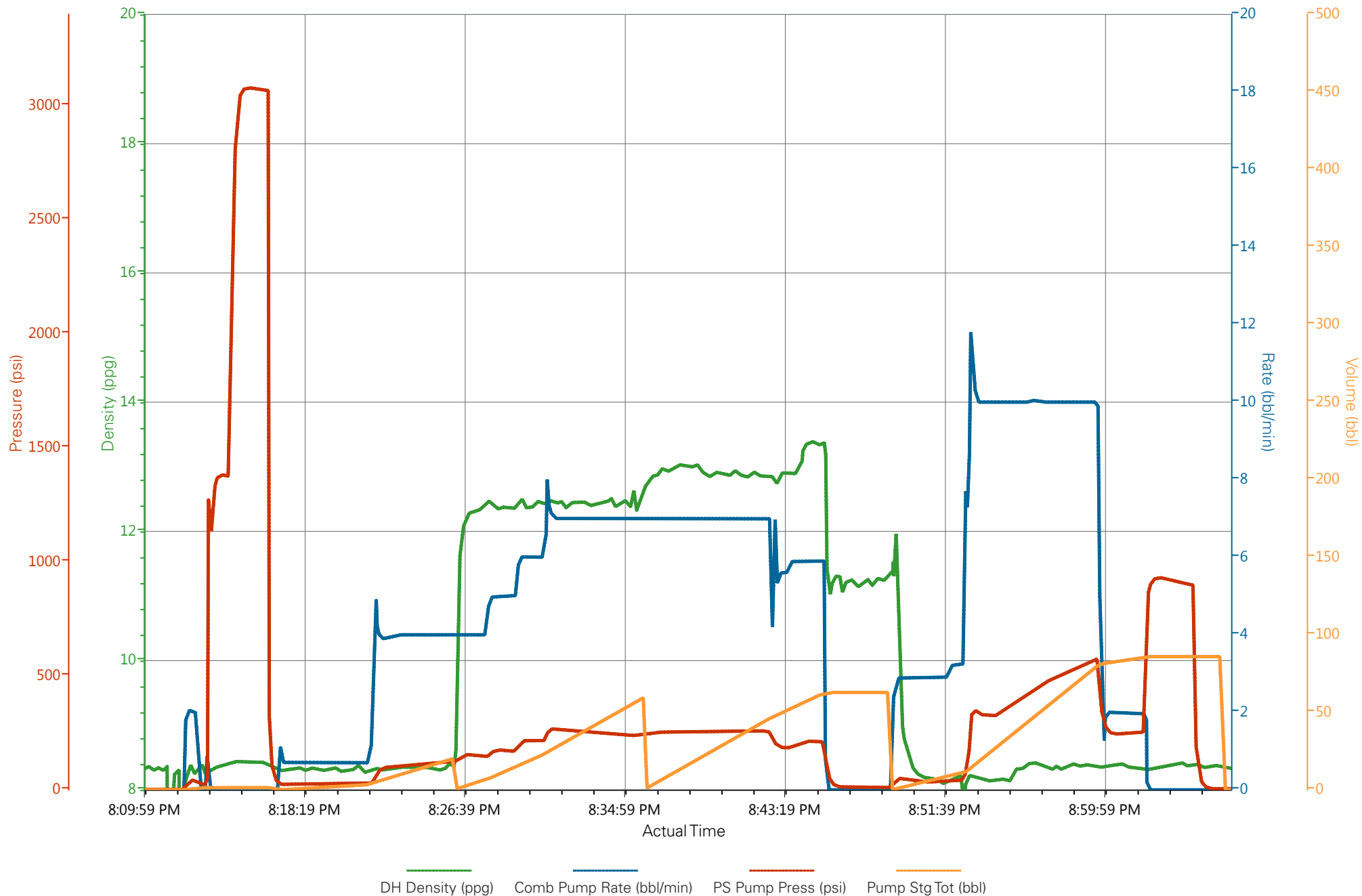
Well: PA 524-16

Representative: Beaude Oaks

Sales Order #: 901311508

Elite #9: Ed Deussen / Rob Eickhoff

WPX - PA 524-16 - 9 5/8" SURFACE



HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: ED DEUSSEN

Attention: J.TROUT

Lease: PA

Well #: 524-16

Date: 4/30/2014

Date Rec.: 4/30/2014

S.O.#: 901311508

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	400 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>	51 Deg
Total Dissolved Solids		370 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 #: 0901311508	Line Item: 10	Survey Conducted Date: 4/30/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-22042-00
Well Name: FEDERAL		Well Number: 0080125686
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)	No
Customer Representative	Enter the Customer representative name	
HSE	Was our HSE performance satisfactory? Circle Y or N	
Equipment	Were you satisfied with our Equipment? Circle Y or N	
Personnel	Were you satisfied with our people? Circle Y or N	
Customer Comment	Customer's Comment	

CUSTOMER SIGNATURE

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Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: GARFIELD

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	4/30/2014
The date the survey was conducted	

Cementing KPI Survey	
Type of Job	0
Select the type of job. (Cementing or Non-Cementing)	
Select the Maximum Deviation range for this Job	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	3
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
HSE Incident, Accident, Injury	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
Was the job purpose achieved?	Yes
Was the job delivered correctly as per customer agreed design?	
Operating Hours (Pumping Hours)	1
Total number of hours pumping fluid on this job. Enter in decimal format.	
Customer Non-Productive Rig Time (hrs)	0
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.	
Type of Rig Classification Job Was Performed	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
Number Of JSAs Performed	5
Number Of Jsas Performed	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Was this a Primary Cement Job (Yes / No)	Yes

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Customer Representative:		API / UWI: (leave blank if unknown) 05-045-22042-00
Well Name: FEDERAL		Well Number: 0080125686
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	99
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