

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

PA 44-3

Aztec 1000

Post Job Summary

Cement Surface Casing

Date Prepared: 6/7/2014

Job Date: 6/6/2014

Submitted by: Tony Eschete - Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3191089	Quote #:	Sales Order #: 0901402659
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: BRANDON HAIRE	
Well Name: WPX ENERGY		Well #: PA 44-3	API/UWI #: 05-045-22143-00
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: GARFIELD	State: COLORADO
Legal Description: NE SW-2-7S-95W-2049FSL-1536FWL			
Contractor:		Rig/Platform Name/Num: Aztec 1000	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180		Srvc Supervisor: Dustin Smith	
Job			

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type			BHST
Job depth MD	2147ft		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	2147		0
Casing		9.625	9.001	32.3	8 RD	H-40	0	2147	0	0

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	9.625	1		2147		Top Plug	9.625	1	HES
Float Shoe	9.625	1							
Float Collar	9.625	1		2121					
Insert Float	9.625	1				Plug Container	9.625	1	HES
Stage Tool	9.625	1							

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	360	sack	12.3	2.38		8	13.77	
13.70 Gal		FRESH WATER								

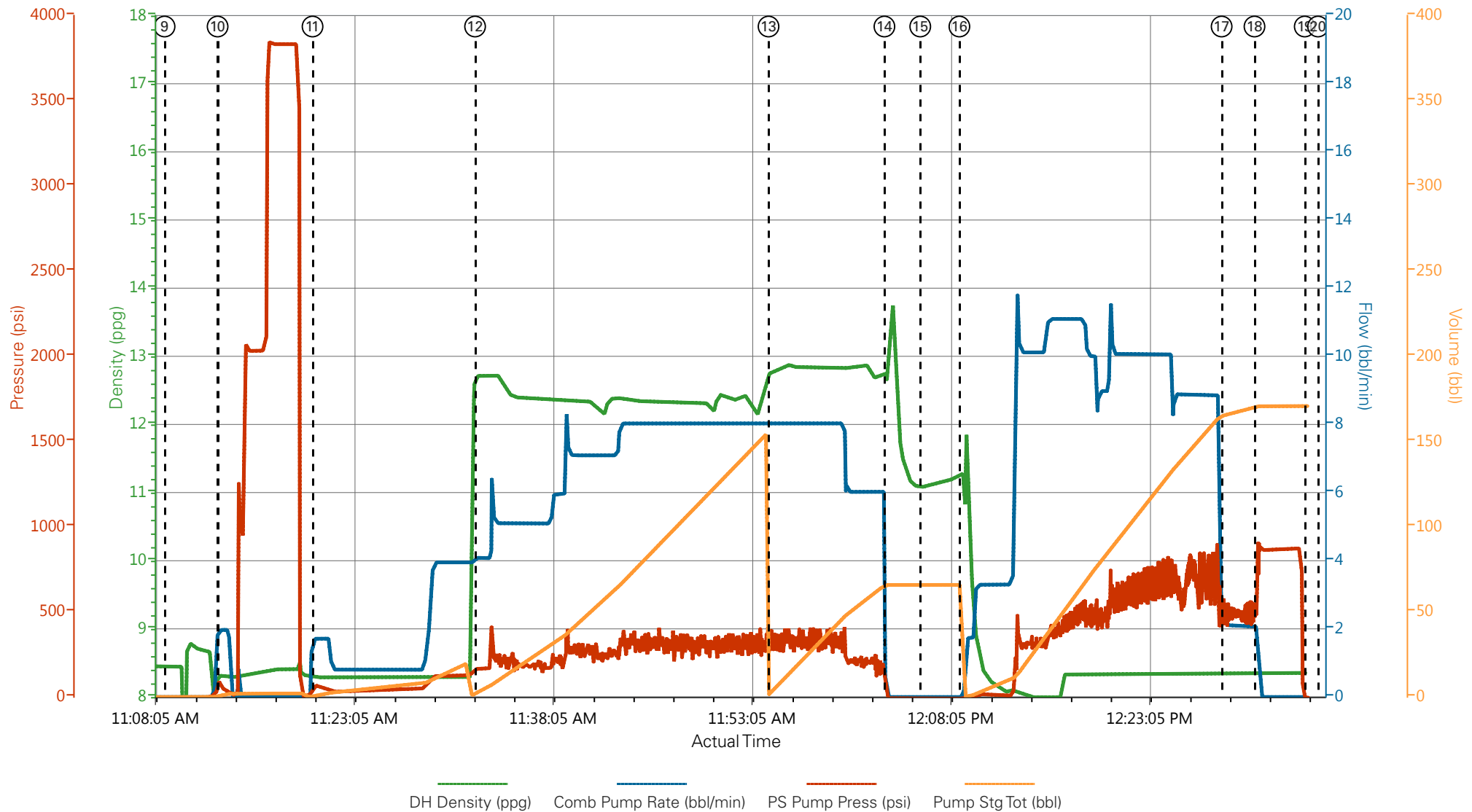
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Tail Cement	VARICEM (TM) CEMENT	175	sack	12.8	2.11		8	11.77
11.71 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
4	Displacement	Displacement	166.9	bbl	8.34			11	
Cement Left In Pipe		Amount	26 ft		Reason		Shoe Joint		
Comment									

4.5 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	6/6/2014	02:00:00	USER					ELITE # 8
Event	2	Pre-Convoy Safety Meeting	6/6/2014	05:00:00	USER					ALL HES EMPLOYEES
Event	3	Arrive At Loc	6/6/2014	06:30:00	USER					ARRIVED ON LOCATION 1 1/2 HOURS EARLY DIDNT START CHARGING TIME UNTIL REQUESTED ON LOCATION TIME RIG RUNNING CASING
Event	4	Assessment Of Location Safety Meeting	6/6/2014	09:30:00	USER					ALL HES EMPLOYEES
Event	5	Pre-Rig Up Safety Meeting	6/6/2014	09:40:00	USER					ALL HES EMPLOYEES
Event	6	Rig-Up Equipment	6/6/2014	10:00:00	USER					1 HT-400 PUMP TRUCK (ELITE # 8) 2-660 BULK TRUCKS 1 F-550 PICKUP
Event	7	Pre-Job Safety Meeting	6/6/2014	10:50:00	USER					ALL HES EMPLOYEES AND RIG CREW
Event	8	Rig-Up Completed	6/6/2014	11:05:00	USER					RIG CIRCULATED FOR 1 1/2 HOURS PRIOR TO THE JOB
Event	9	Start Job	6/6/2014	11:09:00	USER					TD: 2147 TP: 2147 SJ: 26 CSG: 9 5/8 32.3# OH: 13 1/2 MUD WT: 10.2 PPG
Event	10	Test Lines	6/6/2014	11:13:00	USER	8.33	0	3831	2.0	PRESSURE TEST OK
Event	11	Pump Spacer 1	6/6/2014	11:20:09	USER	8.33	4	125	20	PUMP FRESH WATER SPACER
Event	12	Pump Lead Cement	6/6/2014	11:32:25	USER	12.3	8	318	152.6	360 SKS 12.3 PPG 2.38 YIELD 13.77 GAL/SK LEAD CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGHOUT LEAD CEMENT
Event	13	Pump Tail Cement	6/6/2014	11:54:33	USER	12.8	8	334	65.8	175 SKS 12.8 PPG 2.11 YIELD 11.77 GAL/SK TAIL CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGHOUT TAIL CEMENT
Event	14	Shutdown	6/6/2014	12:03:17	USER					
Event	15	Drop Plug	6/6/2014	12:06:00	USER					PLUG AWAY NO PROBLEMS WASHED UP ON TOP OF PLUG AS PER COMPANY REP
Event	16	Pump Displacement	6/6/2014	12:08:57	USER	8.33	11	670	166.9	FRESH WATER DISPLACEMENT
Event	17	Slow Rate	6/6/2014	12:28:43	USER	8.33	2.0	500	156	SLOW RATE TO BUMP PLUG
Event	18	Bump Plug	6/6/2014	12:31:12	USER	8.35	2.0	872	166.9	PSI BEFORE BUMPING PLUG @ 500 PSI BUMPED PLUG UP TO 872 PSI

Event	19	Check Floats	6/6/2014	12:35:00	USER	FLOATS HELD 1/2 BBL BACK TO DISPLACEMENT TANKS
Event	20	End Job	6/6/2014	12:36:00	USER	GOOD CIRCUALTION THROUGHOUT JOB RETURNED 50 BBLS OF CEMENT TO SURFACE RIG USED 80#S OF SUGAR
Event	21	Pre-Rig Down Safety Meeting	6/6/2014	12:45:00	USER	ALL HES EMPLOYEES
Event	22	Rig-Down Equipment	6/6/2014	12:50:00	USER	
Event	23	Pre-Convoy Safety Meeting	6/6/2014	14:45:00	USER	ALL HES EMPLOYEES
Event	24	Crew Leave Location	6/6/2014	15:00:00	USER	THANK YOU FOR USING HALLIBURTON CEMENT DUSTIN SMITH AND CREW

WPX - PA 44-3 - 9 5/8 SURFACE



- | | | | | |
|---|--------------------------|--------------------|---------------------|--------------------------------|
| ① Call Out | ⑥ Rig-Up Equipment | ⑪ Pump Spacer 1 | ⑯ Pump Displacement | 21 Comment |
| ② Pre-Convoy Safety Meeting | ⑦ Pre-Job Safety Meeting | ⑫ Pump Lead Cement | ⑰ Slow Rate | 22 Pre-Rig Down Safety Meeting |
| ③ Arrive At Loc | ⑧ Rig-Up Completed | ⑬ Pump Tail Cement | ⑱ Bump Plug | 23 Rig-Down Equipment |
| ④ Assessment Of Location Safety Meeting | ⑨ Start Job | ⑭ Shutdown | ⑲ Check Floats | 24 Pre-Convoy Safety Meeting |
| ⑤ Pre-Rig Up Safety Meeting | ⑩ Test Lines | ⑮ Drop Plug | 20 End Job | 25 Crew Leave Location |

▼ **HALLIBURTON** | iCem® Service

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Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 6/6/2014

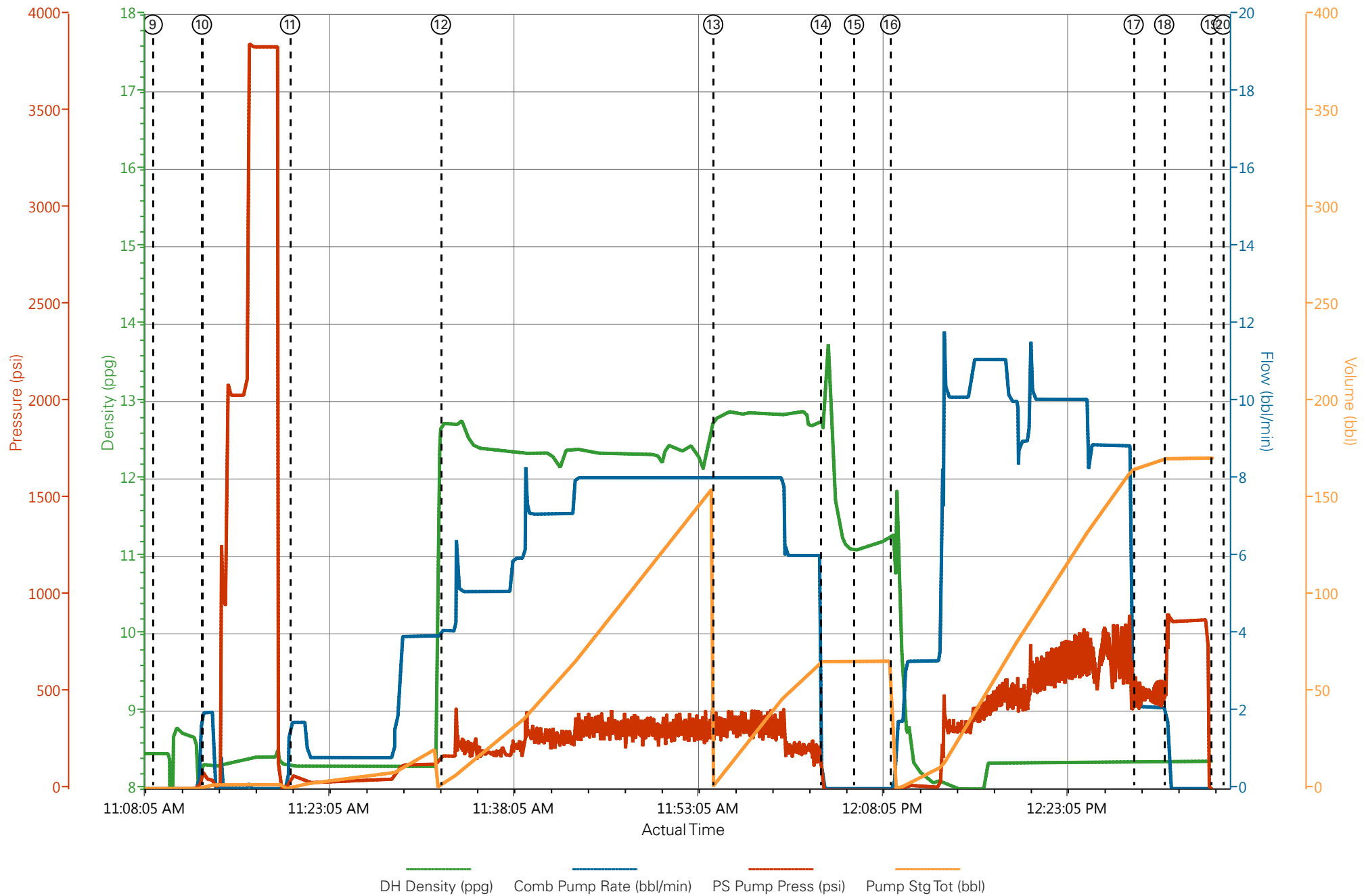
Well: PA 44-3

Representative: BRANDON HAIRE

Sales Order #: 0901402659

ELITE # 8: DUSTIN SMITH / ROB EICKHOFF

WPX - PA 44-3 - 9 5/8 SURFACE



HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: DUSTIN SMITH
Attention: _____
Lease: PA
Well #: 44-3

Date: 6/6/2014
Date Rec.: 6/6/2014
S.O.#: 901402659
Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
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>	UNDER 200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-90</i>	66 Deg
Total Dissolved Solids		340 Mg / L

Respectfully: DUSTIN SMITH

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

Sales Order #: 0901402659	Line Item: 10	Survey Conducted Date: 6/6/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-22143-00
Well Name: WPX ENERGY		Well Number: 0080226462
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	6/6/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HX37079
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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KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	6/6/2014
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)	4
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)	1.5
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	6
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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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	90
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	90
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