

WPX Energy Rocky Mountain LLC-EBUS

GM 42-28

H&P 318

Post Job Summary

Surface Casing

Date Prepared: 02/01/2015

Job Date: 01/18/2015

Submitted by: Keven Nye – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3565561	Quote #:	Sales Order #: 0902046492
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: W.C. WILSON	
Well Name: WPX GM		Well #: 42-28	API/UWI #: 05-045-22507-00
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: GARFIELD	State: COLORADO
Legal Description: NE SW-28-6S-96W-1535FSL-2324FWL			
Contractor: H & P DRLG		Rig/Platform Name/Num: H & P 318	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180		Srvc Supervisor: Carlton Kukus	

Job

Formation Name	
Formation Depth (MD)	Top
Form Type	BHST
Job depth MD	1570ft
Water Depth	Wk Ht Above Floor 5ft
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	1570		0
Casing	3	9.625	9.001	32.3		H-40	0	1570		0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625	1		1570	Top Plug	9.625	1	HES
Float Shoe	9.625	1			Bottom Plug	9.625		HES
Float Collar	9.625	1		1526.4	SSR plug set	9.625		HES
Insert Float	9.625				Plug Container	9.625	1	HES
Stage Tool	9.625				Centralizers	9.625		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	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	VariCem GJ5	VARICEM (TM) CEMENT	215	sack	12.3	2.45		8	14.17	

14.10 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	VariCem GJ5	VARICEM (TM) CEMENT	170	sack	12.8	2.18		8	12.11
12.05 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	Fresh Water Displacement	Fresh Water Displacement	120.1	bbl	8.34			8	
Cement Left In Pipe		Amount	44 ft		Reason		Shoe Joint		
Comment 20 BBLS OF CEMENT TO SURFACE, RIG DIDN'T USE ANY SUGAR									

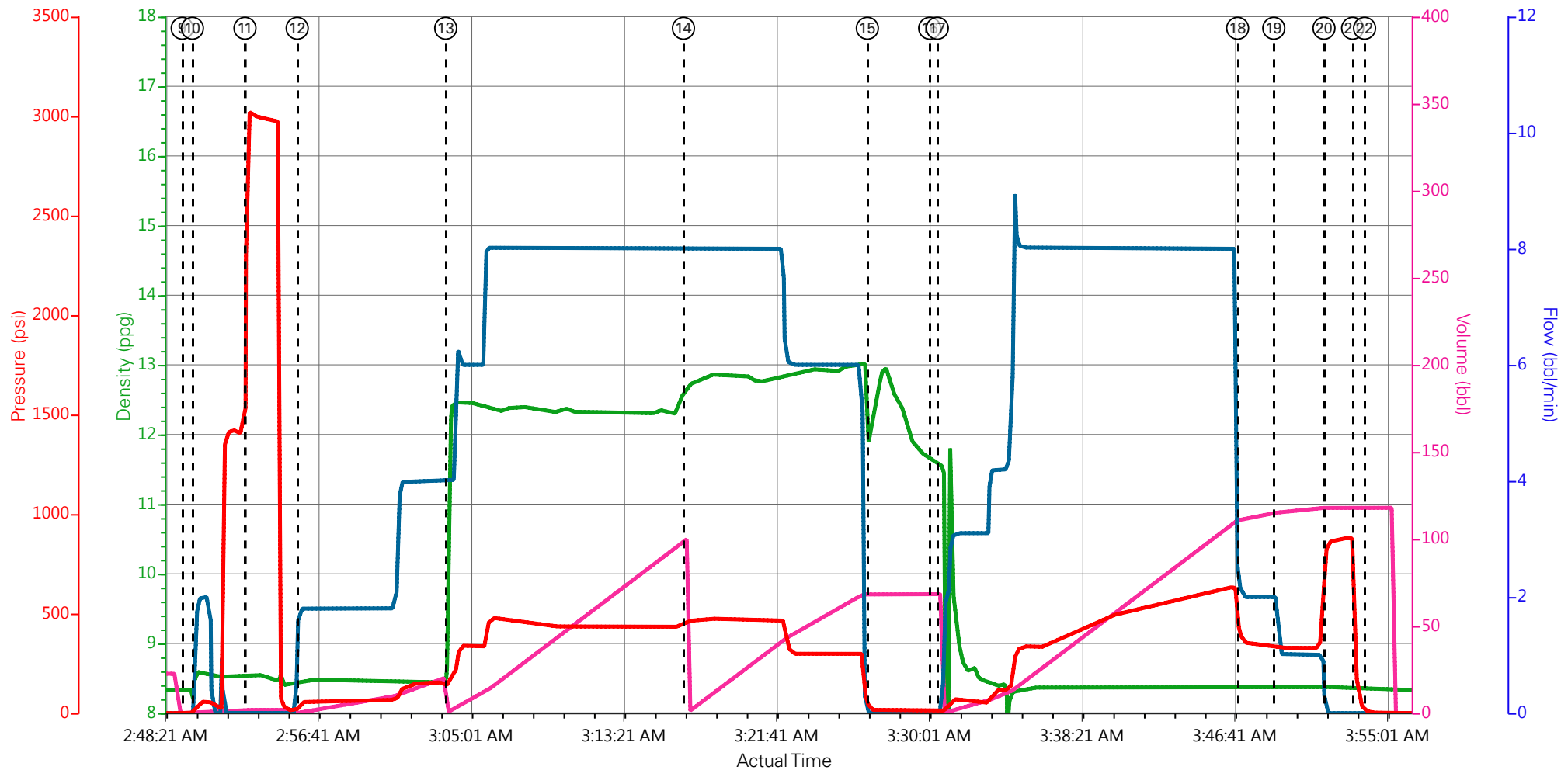
1.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density (ppg)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comb Pump Rate (bbl/min)	Comments
Event	1	Call Out	Call Out	1/18/2015	16:30:00	USER					ALL HES
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	1/18/2015	18:30:00	USER					ALL HES
Event	3	Crew Leave Yard	Crew Leave Yard	1/18/2015	18:45:00	USER					1-F-550 PICKUP, 1-ELITE PUMP TRUCK, 2-660 BULK TRUCKS
Event	4	Arrive At Loc	Arrive At Loc	1/18/2015	19:45:00	USER					HES ARRIVED 2.5 HOURS EARLY
Event	5	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	1/18/2015	20:00:00	USER					RIG WAS STARTING TO RUN CASING, HES SPOTTED EQUIPMENT AND HELD SAFETY MEETING
Event	6	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	1/18/2015	20:30:00	USER					ALL HES
Event	7	Rig-Up Equipment	Rig-Up Equipment	1/18/2015	20:45:00	USER					RIG UP IRON TO THE STAND PIPE, WATER HOSES TO UPRIGHT, AND BULK EQUIPMENT TO PUMP TRUCK
Event	8	Pre-Job Safety Meeting	Pre-Job Safety Meeting	1/19/2015	02:15:00	USER					ALL HES AND RIG CREW
Event	9	Start Job	Start Job	1/19/2015	02:49:25	COM5					TD: 1570.4FT TP: 1570.4FT SJ: 44FT OH: 13.5 CSG: 9.625 32.3# H-40
Event	10	Prime Pumps	Fill Lines	1/19/2015	02:49:59	USER	8.34	60	2	2	FILL LINES TO PRESSURE TEST
Event	11	Test Lines	Test Lines	1/19/2015	02:52:51	COM5	8.34	3030	2		TEST LINES TO 3000 PSI, PRESSURE TEST OK

Event	12	Pump Spacer 1	Fresh Water Spacer	1/19/2015	02:55:42	COM5	8.34	154	20	4	20 BBL FRESH WATER SPACER
Event	13	Pump Lead Cement	Pump Lead Cement	1/19/2015	03:03:48	COM5	12.3	455	93.8	8	215 SKS OF VARICEM CEMENT 12.3 PPG 2.45 YIELD 14.17 GAL/SK WEIGHT OF CEMENT VERIFIED VIA MUD SCALES THROUGHOUT LEAD CEMENT
Event	14	Pump Tail Cement	Pump Tail Cement	1/19/2015	03:16:46	COM5	12.8	480	66	8	170 SKS OF VARICEM CEMENT 12.8 PPG 2.18 YIELD 12.11 GAL/SK WEIGHT OF CEMENT VERIFIED VIA MUD SCALES THROUGHOUT TAIL CEMENT
Event	15	Shutdown	Shutdown	1/19/2015	03:26:48	COM5					SHUTDOWN END OF CEMENT, HES WASHED UP ON TOP OF PLUG
Event	16	Drop Top Plug	Drop Top Plug	1/19/2015	03:30:12	COM5					PLUG AWAY NO PROBLEMS
Event	17	Pump Displacement	Pump Displacement	1/19/2015	03:30:37	COM5	8.34	640	110	8	FRESH WATER DISPLACEMENT
Event	18	Other	Other	1/19/2015	03:47:00	COM5	8.36	360	4	2	SLOW RATE TO BUMP PLUG
Event	19	Slow Rate	Slow Rate	1/19/2015	03:48:58	USER	8.36	352	6	1	SLOW RATE TO BUMP PLUG
Event	20	Bump Plug	Bump Plug	1/19/2015	03:51:43	COM5	8.38	350	120		BUMPED PLUG AT 350 PSI TOOK TO 850 PSI
Event	21	Other	Check Floats	1/19/2015	03:53:16	COM5	8.35	850			FLOATS HELD .5 BBL BACK TO TANKS
Event	22	End Job	End Job	1/19/2015	03:53:55	COM5					20 BBLS OF CEMENT TO SURFACE, RIG DIDNT USE ANY SUGAR

Event	23	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	1/19/2015	04:01:55	USER	ALL HES
Event	24	Rig-Down Equipment	Rig-Down Equipment	1/19/2015	04:20:00	USER	WASH UP, BLOW DOWN PUMP TRUCK, RIG DOWN ALL LINES
Event	25	Rig-Down Completed	Rig-Down Completed	1/19/2015	04:50:00	USER	COMPLETED
Event	26	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	1/19/2015	05:15:00	USER	ALL HES
Event	27	Crew Leave Location	Crew Leave Location	1/19/2015	05:30:00	USER	1-F-550 PICKUP, 1-ELITE PUMP TRUCK, 2-660 BULK TRUCKS
Event	28	Other	Other	1/19/2015	05:35:00	USER	THANK YOU FOR CHOOSING HALLIBURTON CEMENT CARL KUKUS AND CREW

WPX/WPX GM 42-28/SURFACE



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

Up Safety Meeting n/a;n/a;n/a;n/a	⑪ Test Lines 8.56;1.8;3023;0	⑮ Drop Top Plug 11.63;68.3;7;0	21 Check Floats 8.35;117.9;226;0	26 Pre-Convoy Safety Meeting n/a;n/a;n/a;n/a
Equipment n/a;n/a;n/a;n/a	⑫ Fresh Water Spacer 8.45;0.4;47;1.8	⑯ Pump Displacement 11.56;0;8;0	22 End Job 8.34;117.9;6.44;0	27 Crew Leave Location n/a;n/a;n/a;n/a
Safety Meeting 0;0;0;0	⑬ Pump Lead Cement 11.22;1.1;156;4	⑰ Other 8.36;111.3;382;2	23 Pre-Rig Down Safety Meeting n/a;n/a;n/a;n/a	28 Other n/a;n/a;n/a;n/a
b 8.33;0;-1;0	⑭ Pump Tail Cement 12.72;0.1;465;8	⑱ Slow Rate 8.36;115.2;342;1.6	24 Rig-Down Equipment n/a;n/a;n/a;n/a	
s 8.6;0.1;13;1.5	⑲ Shutdown 12.08;68.3;20;0	20 Bump Plug 8.37;117.9;845;0	25 Rig-Down Completed n/a;n/a;n/a;n/a	

▼ **HALLIBURTON** | iCem® Service

Created: 2015-01-18 22:56:41, Version: 4.1.85

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 1/19/2015 1:10:30 AM

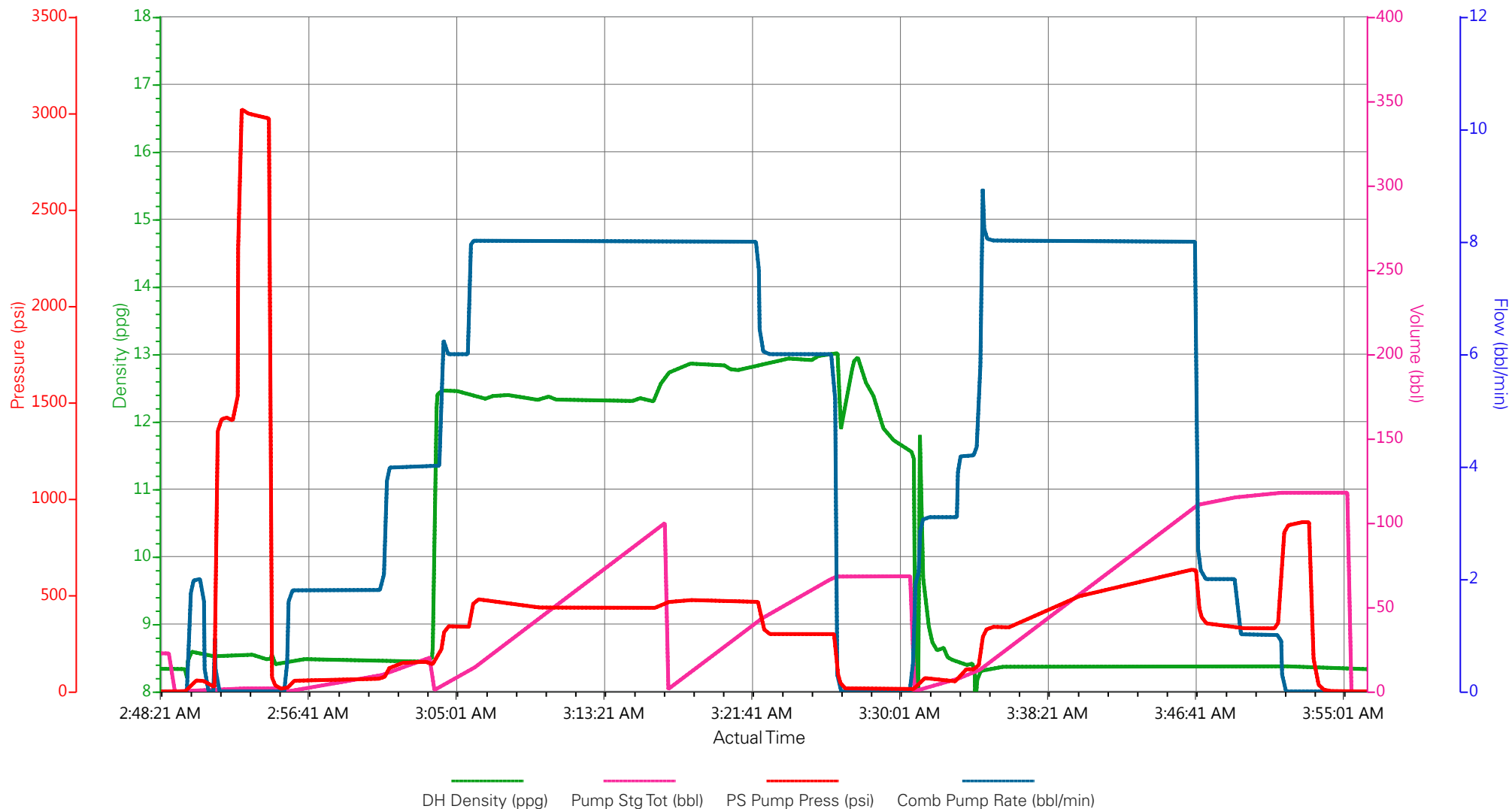
Well: WPX GM 42-28

Representative: W.C. WILSON

Sales Order #: 90204692

Supervisor/Operator: Carlton Kukus/Cliff Sparks E-4

WPX/WPX GM 42-28/SURFACE



HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: Carl Kukus

Attention: J.Trout

Lease WPX GM

Well # 42-28

Date: 1/18/2015

Date Rec.: 1/18/2015

S.O.# 902046492

Job Type: Surfacde

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>	3 Mg / L
Chlorides (Cl)	<i>3000</i>	0 Mg / L
Sulfates (SO ₄)	<i>1500</i>	200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	50 Deg
Total Dissolved Solids		250 Mg / L

Respectfully: Carl Kukus

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 i

Sales Order #: 0902046492	Line Item: 10	Survey Conducted Date: 1/19/2015
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-22507-00
Well Name: WPX GM		Well Number: 0080644772
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	1/19/2015
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HB44726
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	1/19/2015
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?	
Pumping Hours	1
Total number of hours pumping fluid on this job. Enter in decimal format.	
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	
Was this a Primary Cement Job (Yes / No)	Yes
Primary Cement Job= Casing job, Liner job, or Tie-back job.	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Customer Non-Productive Rig Time (hrs)	0

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Well Name: WPX GM		Well Number: 0080644772
Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: GARFIELD

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.	
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs?	Top
If a top plug was run, was the plug bumped? (Yes/No/N/A) If a top plug was run, was the plug bumped? (Yes/No/N/A)	Yes
If applicable, was Halliburton float equipment used? (Yes/No/N/A) If applicable, was Halliburton float equipment used? (Yes/No/N/A)	N/A
If applicable, did the floats hold? (Yes/No/N/A) If applicable, did the floats hold? (Yes/No/N/A)	Yes
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
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	8
If applicable, were there returns throughout the job? (Yes/No/N/A) If applicable, were there returns throughout the job? (Yes/No/N/A)	YES
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