

WPX Energy Rocky Mountain LLC- EBUS

GM 333-28

H&P 318

Post Job Summary

Cement Surface Casing

Date Prepared: 11/31/2014
Job Date: 11/25/2014

Submitted by: Evan Russell – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 3565589		Quote #: 0021964999		Sales Order #: 0901860834	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: W.C. WILSON			
Well Name: WPX GM			Well #: 333-28			API/UWI #: 05-045-22500-00	
Field: GRAND VALLEY		City (SAP): PARACHUTE		County/Parish: GARFIELD		State: COLORADO	
Legal Description: NE SW-28-6S-96W-1506FSL-2358FWL							
Contractor: H & P DRLG				Rig/Platform Name/Num: H & P 318			
Job BOM: 7521							
Well Type: DIRECTIONAL GAS							
Sales Person: HALAMERICA\HB50180				Srvc Supervisor: JAVIER CASTILLO			

Job

Formation Name	
Formation Depth (MD)	Top SURFACE Bottom 1353ft
Form Type	BHST
Job depth MD	1353ft 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	1353		0
Casing	NEW	9.625	9.001	32.3			0	1353		0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625	1	WTF	1353	Top Plug	9.625	1	HES
Float Shoe					Bottom Plug			
Float Collar	9.625	1	WTF	1309	SSR plug set			
Insert Float					Plug Container	9.625	1	HES
Stage Tool					Centralizers	9.625	9	WTF

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	180	sack	12.3	2.45		8	14.17

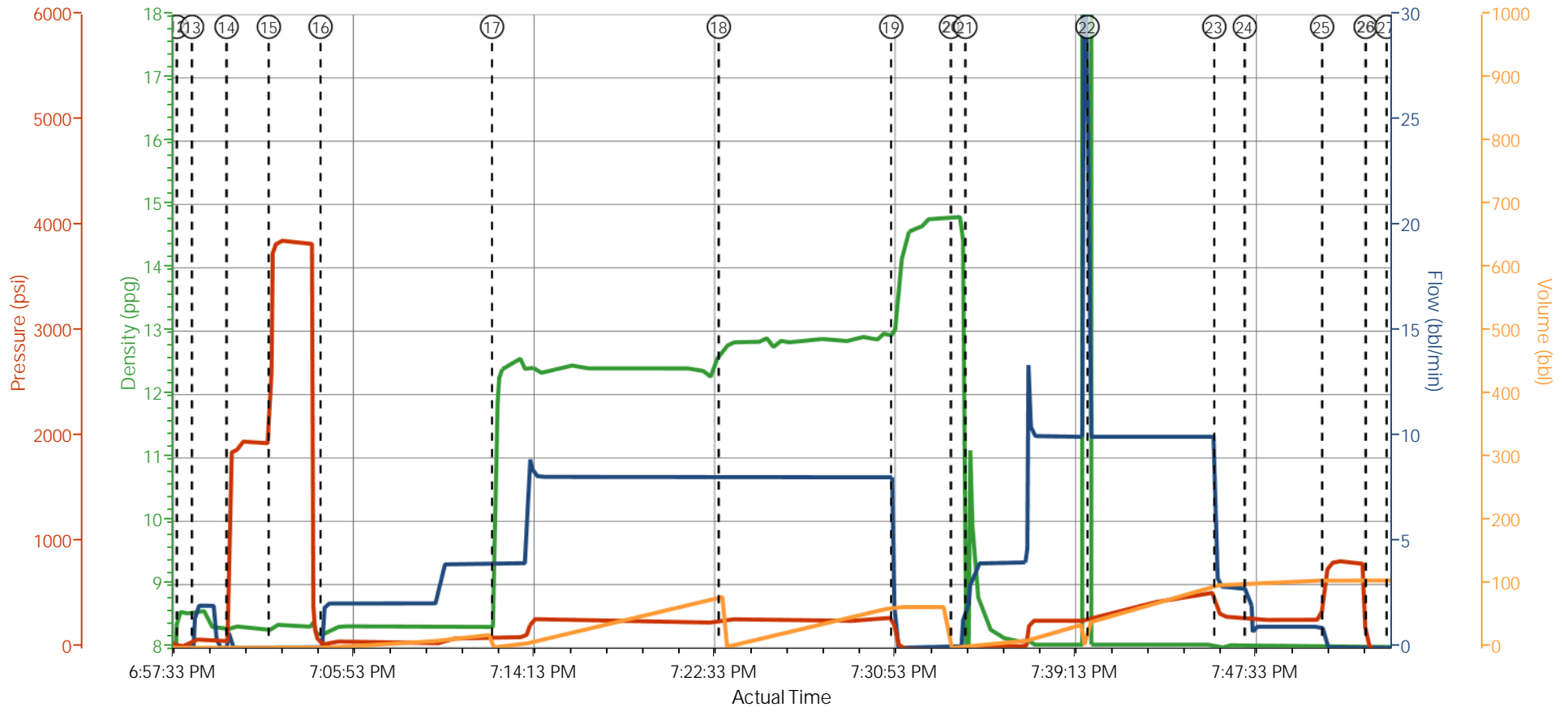
14.10 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	VariCem GJ5	VARICEM (TM) CEMENT	170	sack	12.8	2.18		8	12.11
12.05 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
4	Fresh Water Displacement	Fresh Water Displacement	103	bbl	8.34			10	
Cement Left In Pipe		Amount	44 ft		Reason		Shoe Joint		
Comment									

1.1 Job Event Log

Graph Label	Date	Time	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comment
CALL OUT	11/25/2014	08:30:00					ON LOCATION 12:00 HRS
LEAVE THE YARD SAFETY MEETING	11/25/2014	10:55:00					
CREW LEAVE THE YARD	11/25/2014	11:00:00					
ARRIVE ON LOCATION	11/25/2014	12:00:00					RIG WAS PULLING DRILL PIPE OUT / STAGED TRUCKS AT LOWER LOCATION TILL CASING CREW CLEARED LOCATION
RUN CASING	11/25/2014	15:00:00					RIG STARTED TO RUN CASING
LAND CASING	11/25/2014	17:00:00					RIG LANDED CASING
SPOT TRUCKS	11/25/2014	17:01:00					SPOT TRUCKS ON LOCATION
RIG UP MEETING	11/25/2014	17:05:00					
RIG UP	11/25/2014	17:18:00					1-ELITE, 1-660, 1-SILO, 2" IRON, PLUG CONTAINER, AND QUICK CONNECT
RIG UP COMPLETE	11/25/2014	18:15:00					
PRE-JOB SAFETY MEETING	11/25/2014	18:35:00					HES PERSONEL AND RIG CREW
START JOB	11/25/2014	18:57:56					SET AT 1353.2', SJ-44.08, FC-1309.12', OH-13.5", CSG- 9.625", 32.3#, H-40, MUD- 9.2 PPG, FV-90, PV-19, YP- 26, pH-15, TEMP-80
FILL LINES	11/25/2014	18:58:38	8.33 PPG	2 BPM	80 PSI	2 BBLS	FRESH WATER
STALL OUT	11/25/2014	19:00:13					HELD PRESSURE AT 1980 PSI
TEST LINES	11/25/2014	19:02:10					HELD PRESSURE AT 3886 PSI
WATER SPACER	11/25/2014	19:04:34	8.33 PPG	4 BPM	126 PSI	20 BBLS	FRESH WATER
LEAD CEMENT	11/25/2014	19:12:28	12.3 PPG	8 BPM	295 PSI	79 BBLS	180 SKS, 12.3 PPG, 2.45

								FT3/SK, 14.17 GAL/SK
TAIL SLURRY	11/25/2014	19:22:57	12.8 PPG	8 BPM	1922 PSI	66 BBLS		170 SKS, 12.8 PPG, 2.18 FT3/SK, 12.11 GAL/SK
SHUTDOWN	11/25/2014	19:30:54						GOOD CIRCULATION THROUGH OUT THE CEMENT JOB
DROP TOP RUBBER PLUG	11/25/2014	19:33:39						PLUG DROP VERIFIED BY DRILLER
DISPLACEMENT	11/25/2014	19:34:19	8.33 PPG	10 BPM	600 PSI	93 BBLS		FRESH WATER
DATA CORD DISCONNECTED	11/25/2014	19:39:57						DATA CORD WAS ACCIDENTLY DISCONNECTED BUT QUICKLY RE-CONNECTED
SLOW RATE	11/25/2014	19:45:49	8.33 PPG	2 BPM	297 PSI	6 BBLS		
SLOW RATE	11/25/2014	19:47:13	8.33 PPG	1 BPM	263 PSI	4 BBLS		
BUMP PLUG	11/25/2014	19:50:47			820 PSI	TOTAL DISP. 103 BBLS		CIRCULATED 33 BBLS / 76 SKS OF CEMENT TO SURFACE / GOOD CIRCULATION THROUGH OUT DISPLACEMENT
CHECK FLOATS	11/25/2014	19:52:48						FLOATS HELD WITH 0.5 BBL FLOW BACK
END JOB	11/25/2014	19:53:45						USED 100 LBS OF SUGAR IN THE PIT
RIG DOWN MEETING	11/25/2014	19:55:00						
RIG DOWN	11/25/2014	20:06:57						BLOW DOWN CEMENT PUMP THEN RIGGED DOWN IRON
RIG DOWN COMPLETE	11/25/2014	21:00:00						
LEAVE LOCATION SAFETY MEETING	11/25/2014	21:10:00						NO INJURIES TO REPORT AFTER THE JOB
CREW LEAVE LOCATION	11/25/2014	21:30:00						
THANK YOU	11/25/2014	21:16:00						THANK YOU FOR YOUR BUSINESS FROM JAVIER CASTILLO AND CREW

WPX GM 333-28 SURFACE



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

- | | | | |
|---|---|--|--|
| <ul style="list-style-type: none"> • CALL OUT n/a;n/a;n/a;n/a • LEAVE THE YARD SAFETY MEETING n/a;n/a;n/a;n/a • CREW LEAVE THE YARD n/a;n/a;n/a;n/a • ARRIVE ON LOCATION n/a;n/a;n/a;n/a • RUN CASING n/a;n/a;n/a;n/a • LAND CASING n/a;n/a;n/a;n/a | <ul style="list-style-type: none"> • SPOT TRUCKS n/a;n/a;n/a;n/a • RIG UP MEETING n/a;n/a;n/a;n/a • RIG UP n/a;n/a;n/a;n/a • RIG UP COMPLETE 0.03;0.1;13;7.5 • PRE-JOB SAFETY MEETING 0.03;0.1;14;8.8 • START JOB 8.59;0;17;0 | <ul style="list-style-type: none"> • FILL LINES 8.56;2;74;0.1 • STALL OUT 8.3;0;1860;2 • TEST LINES 8.28;0;3760;2 • WATER SPACER 8.22;2;25;0.1 • LEAD CEMENT 10.61;4;89;1.2 • TAIL SLURRY 12.67;8.1;245.94;42.81 | <ul style="list-style-type: none"> • SHUTDOWN 13.03;0;113;64.4 • 20 DROPTOP RUBBER PLUG 14.8;0;-23;0 • 21 DISPLACEMENT 10.79;2.8;-8;0.6 • 22 DATA CORD DISCONNECTED 8.05;10;283.4;41.58 • 23 SLOW RATE 8.04;2.9;331;98.8 • 24 SLOW RATE 8.04;2.3;290;102.8 |
|---|---|--|--|

▼ HALLIBURTON | iCem® Service

Created: 2014-11-25 17:57:17, Version: 3.0.121

Edit

Customer : WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date : 11/25/2014 5:59:33 PM

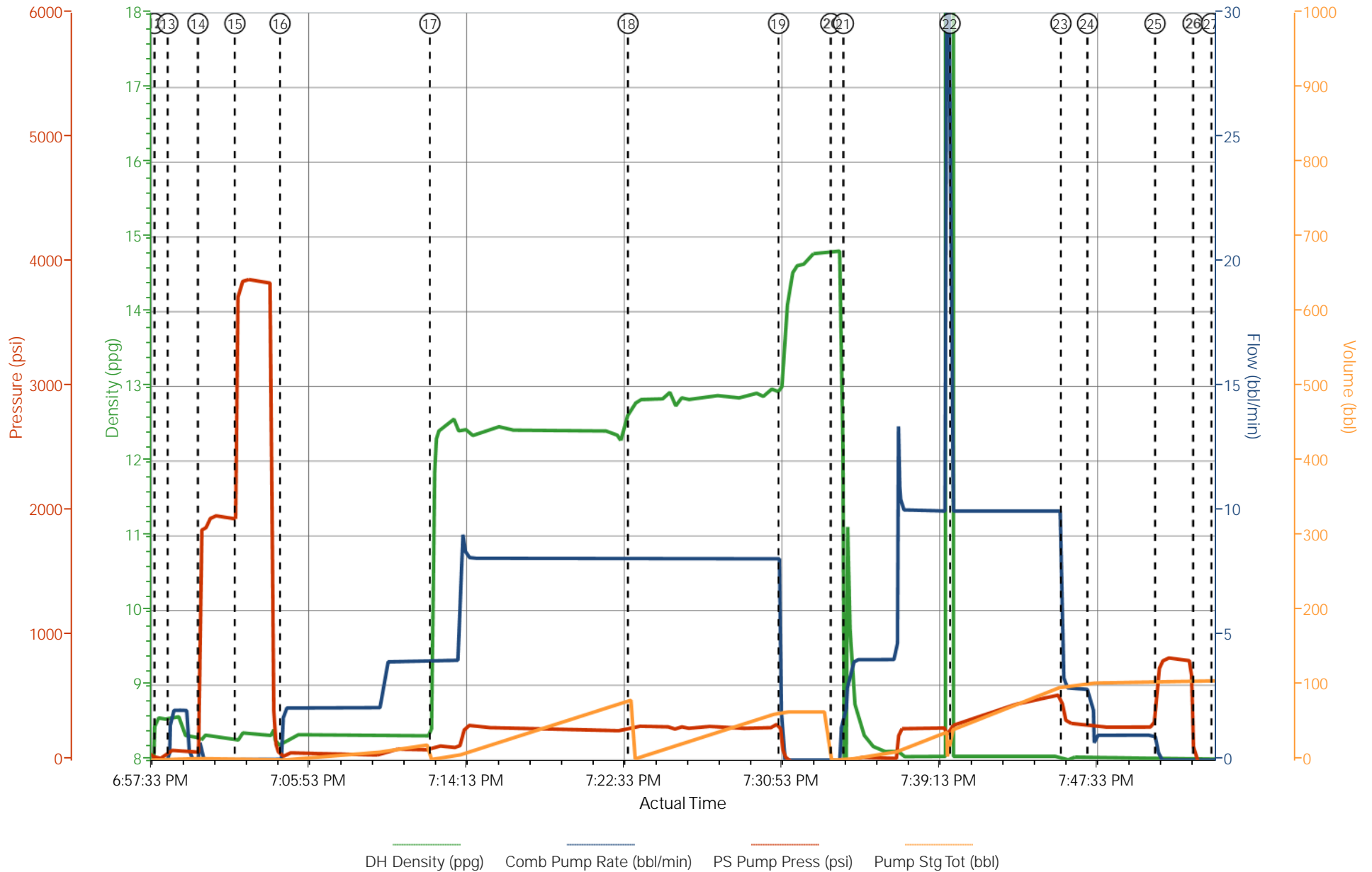
Well : GM 333-28

Representative: W.C. WILSON

Sales Order # : 901860834

ELITE #8: J. CASTILLO / PAUL SALAZAR

WPX GM 333-28 SURFACE



HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: JAVIER CASTILLO

Attention: Chuck Ross

Lease: GM

Well #: 333-28

Date: 11/25/2014

Date Rec.: 11/25/2014

S.O.#: 901860834

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>	200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	45 Deg
Total Dissolved Solids		480 Mg / L

Respectfully: JAVIER CASTILLO

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

Sales Order #: 0901860834	Line Item: 10	Survey Conducted Date: 11/25/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: W.C. WILSON		API / UWI: (leave blank if unknown) 05-045-22500-00
Well Name: WPX GM		Well Number: 0080644800
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	11/25/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HB85312
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	W.C. WILSON
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

Sales Order #: 0901860834	Line Item: 10	Survey Conducted Date: 11/25/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: W.C. WILSON		API / UWI: (leave blank if unknown) 05-045-22500-00
Well Name: WPX GM		Well Number: 0080644800
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	11/25/2014

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.	10
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

Sales Order #: 0901860834	Line Item: 10	Survey Conducted Date: 11/25/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: W.C. WILSON		API / UWI: (leave blank if unknown) 05-045-22500-00
Well Name: WPX GM		Well Number: 0080644800
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	95
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