

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

GM 523-13

H&P 318

Post Job Summary

Cement Surface Casing

Date Prepared: 7/13/2014

Job Date: 7/13/2014

Submitted by: Tony Eschete - Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 3273328		Quote #:		Sales Order #: 0901500508	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Ron Towers			
Well Name: C&C ENERGY			Well #: GM 523-13			API/UWI #: 05-045-22261-00	
Field: GRAND VALLEY		City (SAP): PARACHUTE		County/Parish: GARFIELD		State: COLORADO	
Legal Description: SW SW-12-7S-96W-290FSL-969FWL							
Contractor:				Rig/Platform Name/Num: H&P 318			
Job BOM: 7521							
Well Type: DIRECTIONAL GAS							
Sales Person: HALAMERICA\HB50180				Srvc Supervisor: Dustin Hyde			
Job							

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	1485ft 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	8 RD	J-55	0	1485	0	0
Open Hole Section			13.5				0	1500	0	

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	9.625	1		1485		Top Plug	9.625	1	HES
Float Shoe						Bottom Plug			
Float Collar	9.625	1		1441		SSR plug set			
Insert Float						Plug Container	9.625	1	HES
Stage Tool						Centralizers	9.625	9	

Miscellaneous Materials											
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty	Conc
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size	Qty

Fluid Data

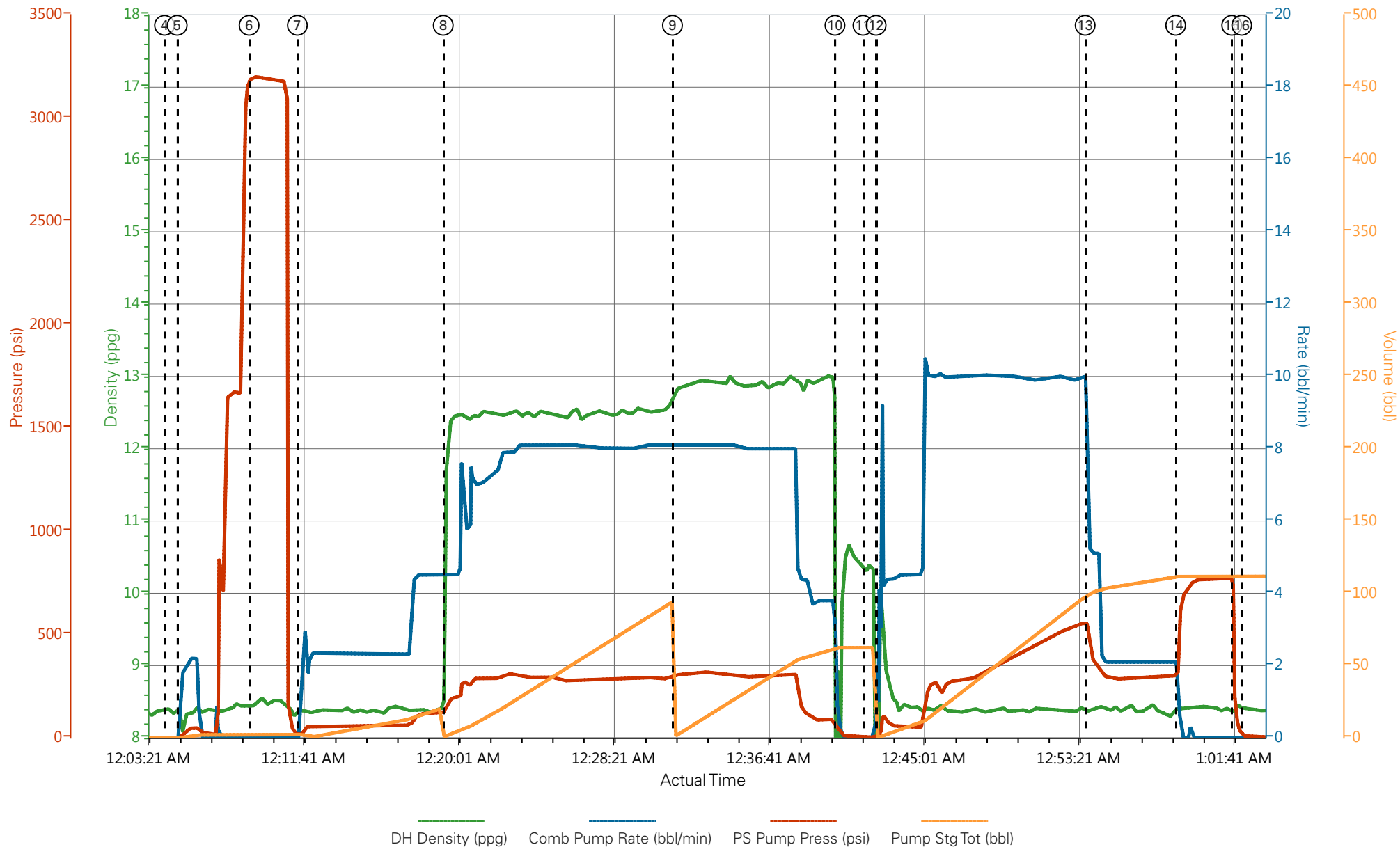
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Fresh Water	Fresh Water	20	bbl	8.34			4		
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
2	VariCem GJ1	VARICEM (TM) CEMENT	220	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	VariCem GJ1	VARICEM (TM) CEMENT	165	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	Fresh Water Displacement	Fresh Water Displacement	114	bbl	8.34			10	
Cement Left In Pipe		Amount	44 ft		Reason		Shoe Joint		
Comment									

3.1 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	7/12/2014	12:00:00	USER					O/L TO BE AT 1800
Event	2	Crew Leave Yard	7/12/2014	14:30:00	USER					ALL HES EMPLOYEES PRESENT
Event	3	Arrive At Loc	7/12/2014	16:00:00	USER					RIG WAITING ON CASING CREW UPON HES ARRIVAL
Event	4	Start Job	7/13/2014	00:04:22	USER					TD 1500', TP 1485' OF 9 5/8" CSG 32.3 # J-55, SJ 44', OH 13.5", MUD 9.2 PPG VIS 50 PH 8.9, 9 CENTALIZERS AND 2 TURBO'S
Event	5	Prime Lines	7/13/2014	00:05:02	USER	8.33	2.0	48	2	FRESH WATER
Event	6	Test Lines	7/13/2014	00:08:54	COM5			3201		PRESSURE HELD
Event	7	Pump Spacer 1	7/13/2014	00:11:30	COM5	8.33	4.5	120	20	FRESH WATER
Event	8	Pump Lead Cement	7/13/2014	00:19:20	COM5	12.3	8.0	310	93.3	220 SKS OF VARICEM CMT, 12.3 PPG, 2.38 YIELD, 13.77 GAL/SK
Event	9	Pump Tail Cement	7/13/2014	00:31:39	COM5	12.8	8.0	320	62	165 SKS OF VARICEM CMT, 12.8 PPG, 2.11 YIELD, 11.77 GAL/SK
Event	10	Shutdown	7/13/2014	00:40:23	USER					
Event	11	Drop Top Plug	7/13/2014	00:41:54	USER					VERIFIED BY COMPANY REP
Event	12	Pump Displacement	7/13/2014	00:42:36	COM5	8.33	10	400	103	FRESH WATER
Event	13	Slow Rate	7/13/2014	00:53:50	USER	8.33	2.0	300	10	
Event	14	Bump Plug	7/13/2014	00:58:42	USER	8.33	2.0	313	113.4	PLUG BUMPED
Event	15	Check Floats	7/13/2014	01:01:43	USER			780		FLOATS HELD ,2/3 OF A BBL BACK, 18 BBL CMT TO SURFACE
Event	16	End Job	7/13/2014	01:02:15	USER					THANK YOU FOR USING HALLIBURTON CEMENT

WPX GM 523-13 9 5/8" SURFACE



- | | | | | | | | |
|-------------------|-----------------|---------------|--------------------|--------------------|---------------------|-------------|----------------|
| ① Call Out | ③ Arrive At Loc | ⑤ Prime Lines | ⑦ Pump Spacer 1 | ⑨ Pump Tail Cement | ⑪ Drop Top Plug | ⑬ Slow Rate | ⑮ Check Floats |
| ② Crew Leave Yard | ④ Start Job | ⑥ Test Lines | ⑧ Pump Lead Cement | ⑩ Shutdown | ⑫ Pump Displacement | ⑭ Bump Plug | ⑯ End Job |

▼ **HALLIBURTON** | iCem® Service

Created: 2014-07-12 18:04:38, Version: 3.0.121

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 7/12/2014 11:40:16 PM

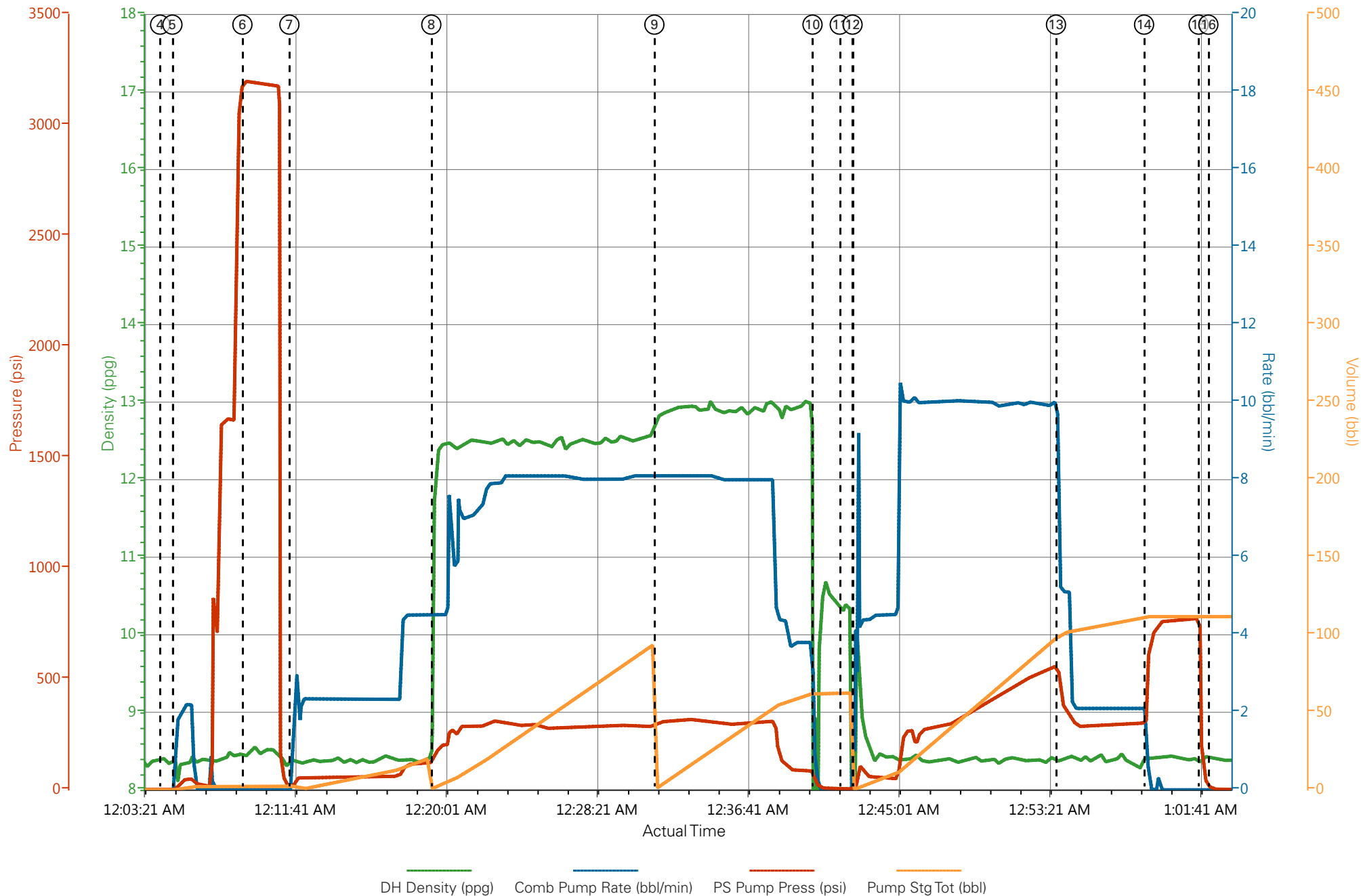
Well: GM 523-13

Representative: Ron Towers

Sales Order #: 901500508

Elite #2: Dustin Hyde / Brent Banks

WPX GM 523-13 9 5/8" SURFACE



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

HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: Dustin Hyde

Attention: J.TROUT

Lease GM

Well # 523-13

Date: 7/12/2014

Date Rec.: 7/12/2014

S.O.# 901500508

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	<i>1</i>
pH	<i>8</i>	<i>7</i>
Potassium (K)	<i>5000</i>	<i>200</i> Mg / L
Calcium (Ca)	<i>500</i>	<i>120</i> Mg / L
Iron (FE2)	<i>300</i>	<i>0</i> Mg / L
Chlorides (Cl)	<i>3000</i>	<i>0</i> Mg / L
Sulfates (SO ₄)	<i>1500</i>	<i><200</i> Mg / L
Temp	<i>40-80</i>	<i>72</i> Deg
Total Dissolved Solids		<i>230</i> Mg / L

Respectfully: Dustin Hyde

Title: _____

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 #: 0901500508	Line Item: 10	Survey Conducted Date: 7/13/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-22261-00
Well Name: C&C ENERGY		Well Number: 0080358088
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	7/13/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HB43597
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

Sales Order #: 0901500508	Line Item: 10	Survey Conducted Date: 7/13/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-22261-00
Well Name: C&C ENERGY		Well Number: 0080358088
Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: GARFIELD

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	7/13/2014
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

Sales Order #: 0901500508	Line Item: 10	Survey Conducted Date: 7/13/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-22261-00
Well Name: C&C ENERGY		Well Number: 0080358088
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	98
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	97
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