

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

PA 314-6

Nabors 574

Post Job Summary

Cement Surface Casing

Date Prepared: 05/02/14

Job Date: 05/01/14

Submitted by: Evan Russell - Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3207554	Quote #:	Sales Order #: 0901303849
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep:	
Well Name: PA	Well #: 314-6	API/UWI #: 05-045-22233-00	
Field: PARACHUTE	City (SAP): PAR	County/Parish: GARFIELD	State: COLORADO
Legal Description: 6-7S-95W-750FSL-743FWL			
Contractor: NABORS DRLG		Rig/Platform Name/Num: NABORS 574	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180		Srcv Supervisor: THOMAS PONDER	

Job

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	1036ft 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	1036		0
Open Hole Section			13.5				0	1036		0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625	1	WTF	1036	Top Plug	9.625	1	HES
Float Shoe	9.625				Bottom Plug	9.625		HES
Float Collar	9.625	1	WTF	989.4	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 ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Fresh Water Spacer	Fresh Water Spacer	20	bbl	8.34			4	

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	Lead Cement	VARICEM (TM) CEMENT	115	sack	12.3	2.38		8	13.77

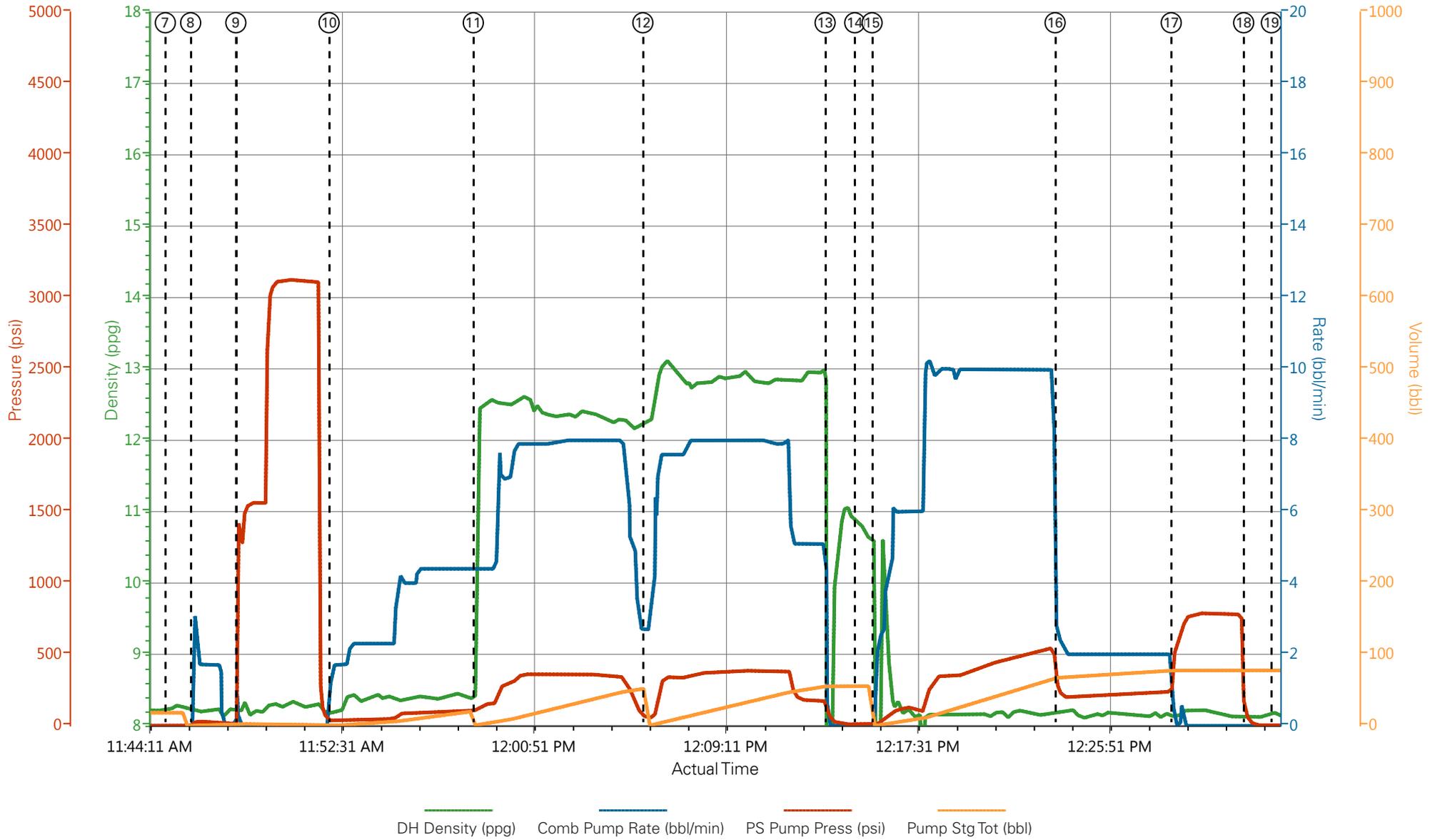
13.72 Gal		FRESH WATER							
0.25 %		D-AIR 5000, 50 LB SACK (102068797)							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	Tail Cement	VARICEM (TM) CEMENT	165	sack	12.8	2.11		8	11.77
0.25 %		D-AIR 5000, 50 LB SACK (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	77.9	bbl	8.34			10	
Cement Left In Pipe	Amount	47 ft			Reason	Shoe Joint			
Comment									

1.1 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	Call Out	4/29/2014	03:00:00	USER					ON LOCATION TIME @ 0800
Event	2	Crew Leave Yard	4/29/2014	04:30:00	USER					ALL HES PRESENT FOR PRE-CONVOY SAFETY HUDDLE
Event	3	Arrive At Loc	4/29/2014	05:30:00	USER					RIG WAS STILL PULLING DRILL PIPE WHEN THE CREW ARRIVED ON LOCATION
Event	4	Assessment Of Location Safety Meeting	4/29/2014	10:00:00	USER					TD- 1036', TP- 1036', SJ- 46.6', MUD- 9.6 PPG, HOLE- 13 1/2", SURFACE CASING- 9 5/8" 32.3# H-40
Event	5	Rig-Up Equipment	4/29/2014	10:30:00	USER					1-550 PICKUP, 1-ELITE PUMP, 1-660 CUFT BULK TRUCK
Event	6	Pre-Job Safety Meeting	4/29/2014	11:30:00	USER					ALL HES PRESENT, RIG CREW PRESENT, RIG TD CASING @ 1030
Event	7	Start Job	4/29/2014	11:45:00	COM6					
Event	8	Prime Pumps	4/29/2014	11:46:05	COM6	8.27	2	50	2	FILL LINES
Event	9	Test Lines	4/29/2014	11:48:03	COM6	8.20	.1	3120	.1	GOOD PRESSURE TEST NO LEAKS IN THE LINES
Event	10	Pump Spacer 1	4/29/2014	11:52:06	COM6	8.21	4	110	20	FRESH WATER
Event	11	Pump Lead Cement	4/29/2014	11:58:21	COM6	12.3	8	360	48.1	115 SKS 12.3 PPG 2.38 FT3/SK 13.77 GAL/SK
Event	12	Pump Tail Cement	4/29/2014	12:05:43	COM6	12.8	8	380	62	165 SKS 12.8 PPG 2.11 FT3/SK 11.77 GAL/SK
Event	13	Shutdown	4/29/2014	12:13:37	USER					
Event	14	Drop Top Plug	4/29/2014	12:14:55	USER					PLUG DROP VERIFIED VIA TATTLE TELL
Event	15	Pump Displacement	4/29/2014	12:15:40	COM6	8.32	10	553	67.9	FRESH WATER, WASHED UP ON TOP OF THE PLUG WITH THE FIRST 10 BBL OF DISPLACEMENT OUT OF

										THE MIXING TUB
Event	16	Slow Rate	4/29/2014	12:23:36	USER	8.17	2	212	10	GOOD RETURNS, CIRCULATED 20 BBL OF CEMENT TO SURFACE
Event	17	Bump Plug	4/29/2014	12:28:39	USER			250	77.9	PLUG BUMPED
Event	18	Check Floats	4/29/2014	12:31:47	USER			781	77.9	FLOATS HELD, 5/8 BBL BACK TO THE DISPLACEMENT TANKS
Event	19	End Job	4/29/2014	12:33:00	COM6					THANK YOU FOR CHOOSING HALLIBURTON, THOMAS PONDER AND CREW

WPX - PA 314-6 - 9.625 IN SURFACE



- ① Call Out n/a;n/a;n/a;n/a
- ② Crew Leave Yard n/a;n/a;n/a;n/a
- ③ Arrive At Loc n/a;n/a;n/a;n/a
- ④ Assessment Of Location Safety Meeting n/a;n/a;n/a;n/a
- ⑤ Rig-Up Equipment n/a;n/a;n/a;n/a
- ⑥ Pre-Job Safety Meeting 8.24;0;2;18.2
- ⑦ Start Job 8.22;0;1;18.2
- ⑧ Prime Pumps 8.27;3.1;8;0.2
- ⑨ Test Lines 8.2;0;1394;2.4
- ⑩ Pump Spacer 1 8.22;1.7;36;0
- ⑪ F
- ⑫ F



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Created: 2014-04-29 11:07:54, Version: 3.0.121

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 4/29/2014 11:13:01 AM

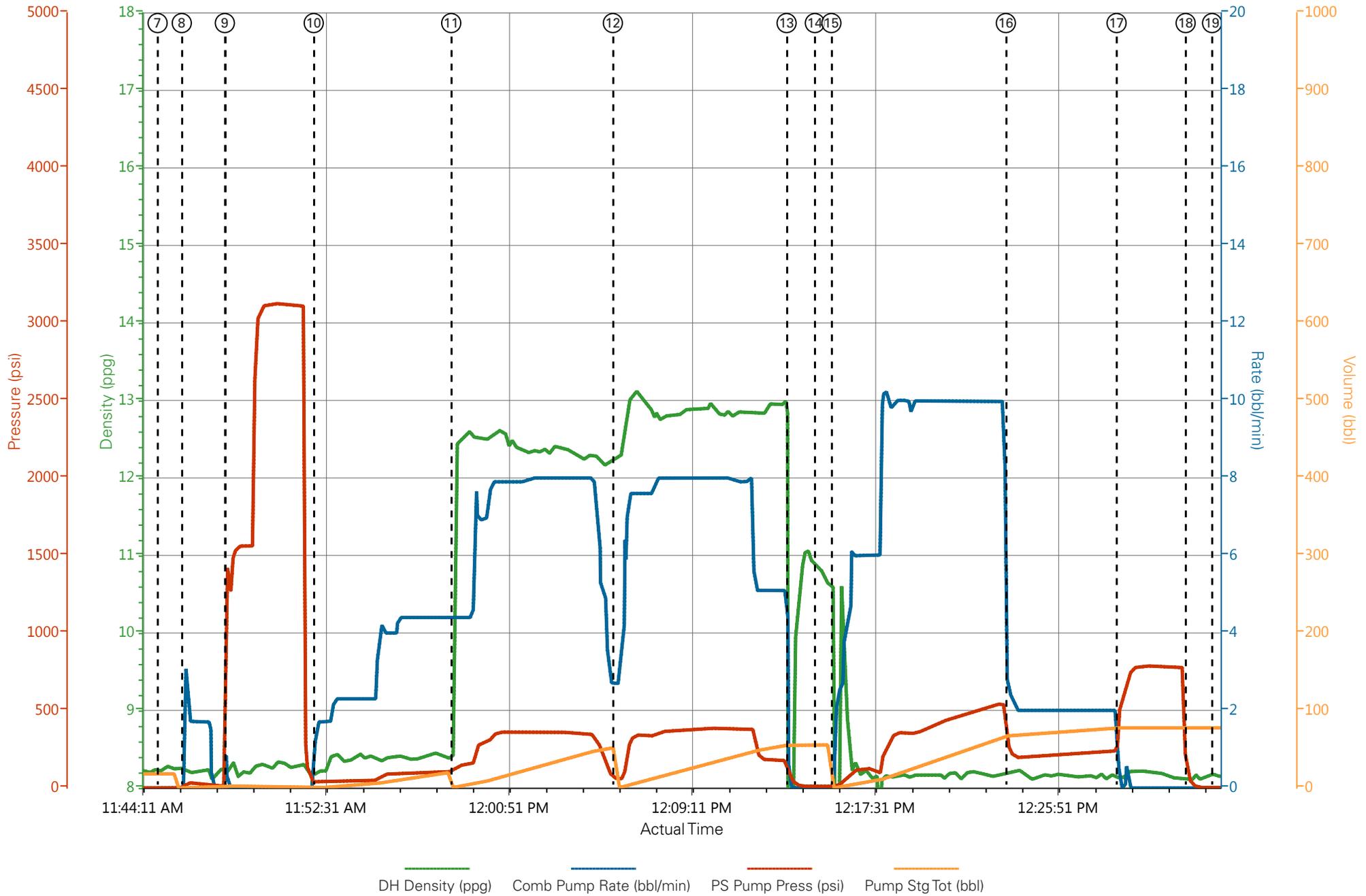
Well: PA 314-6

Representative: MATT HUDSON

Sales Order #: 901303849

ELITE # 9: BRENT BANKS / THOMAS PONDER / ANDREW LINN

WPX - PA 314-6 - 9.625 IN SURFACE



HALLIBURTON

Company: WPX Date: 4/29/2014
Submitted by: THOMAS PONDER Date Rec.: 4/29/2014
Attention: LARRY COOKSEY S.O.# 901303849
Lease

PA

 Job Type: SURFACE
Well # 314-6

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	250 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>	0 Mg / L
Carbonates hardness		
Temp	<i>40-80</i>	65 Deg
Total Dissolved Solids		185 Mg / L

Respectfully: THOMAS PONDER
Title: CEMENTING SUPERVISOR
Location: GRAND JCT, CO

Sales Order #: 0901303849	Line Item: 10	Survey Conducted Date: 4/29/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: MATT HUDSON		API / UWI: (leave blank if unknown) 05-045-22233-00
Well Name: PA		Well Number: 0080244812
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	4/29/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HX41187
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	MATT HUDSON
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

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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	4/29/2014
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	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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Customer Representative: MATT HUDSON		API / UWI: (leave blank if unknown) 05-045-22233-00
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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	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