
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 424-12
Parachute
Garfield County , Colorado**

Cement Surface Casing
18-Aug-2013

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3095624	Quote #:	Sales Order #: 900677314
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Wilson, W.C	
Well Name: PA		Well #: 424-12	API/UWI #:
Field: Parachute	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Contractor: NABORS 577		Rig/Platform Name/Num: NABORS 577	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc Supervisor: KEANE, JOHN	MBU ID Emp #: 486519

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANKS, BRENT A	0.0	371353	KEANE, JOHN Donovon	0.0	486519	SMITH, DUSTIN Michael	0.0	418015

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10567589C	60 mile	10867423	60 mile	11259881	60 mile	11562538	60 mile
11808829	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			<i>Total is the sum of each column separately</i>					

Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	18 - Aug - 2013	07:30	MST
Form Type		BHST	Job Started	18 - Aug - 2013	11:00	MST
Job depth MD	1071.1 ft	Job Depth TVD	Job Completed	18 - Aug - 2013	12:07	MST
Water Depth		Wk Ht Above Floor	Departed Loc	18 - Aug - 2013	12:57	MST
Perforation Depth (MD)	From	To		18 - Aug - 2013	14:10	MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
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Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

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/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk		

Stage/Plug #: 1													
Fluid #	Stage Type	Fluid Name			Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom		
1	Fresh Water Spacer				20.00	bbl	.	.0	.0	.0			

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
2	VariCem GJ1 Tail Cement	VARICEM (TM) CEMENT (452009)	290.0	sacks	12.8	2.11	11.75		11.75	
	11.75 Gal	FRESH WATER								
3	Fresh Water Displacement		81.00	bbl	.	.0	.0	.0		
Calculated Values		Pressures		Volumes						
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad		
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment		
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job		
Rates										
Circulating		Mixing		Displacement		Avg. Job				
Cement Left In Pipe	Amount	0 ft	Reason	Shoe Joint						
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID			
The Information Stated Herein Is Correct				Customer Representative Signature						

The Road to Excellence Starts with Safety

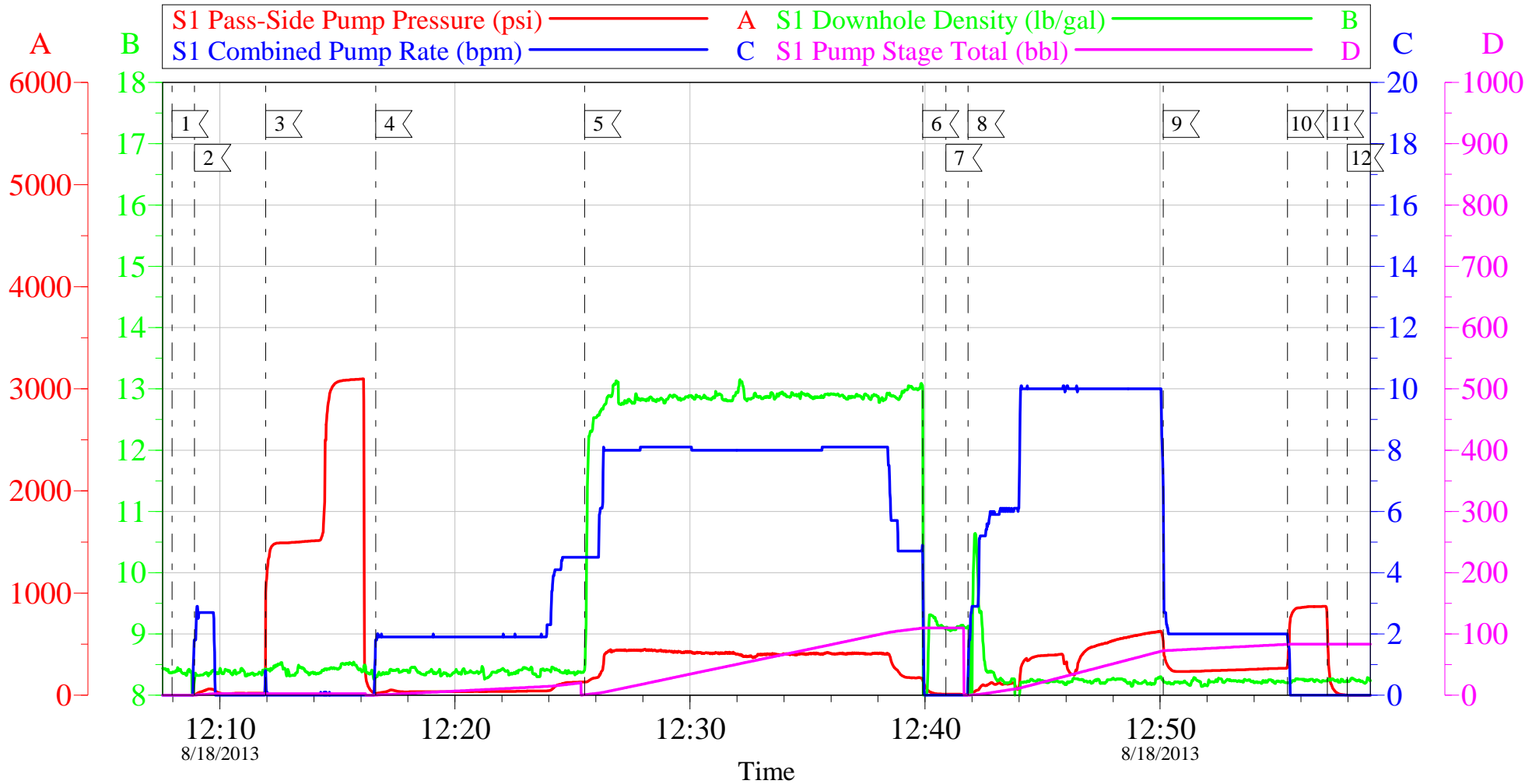
Sold To #: 300721		Ship To #: 3095624		Quote #:		Sales Order #: 900677314	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Wilson, W.C			
Well Name: PA			Well #: 424-12			API/UWI #:	
Field: Parachute		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat:				Long:			
Contractor: NABORS 577			Rig/Platform Name/Num: NABORS 577				
Job Purpose: Cement Surface Casing						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: MAYO, MARK			Srvc Supervisor: KEANE, JOHN			MBU ID Emp #: 486519	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	08/18/2013 07:30							
Pre-Convoy Safety Meeting	08/18/2013 09:30							WITH HES
Arrive At Loc	08/18/2013 11:00							RIG ON BOTTOM WITH CASING UPON HES ARRIVAL
Assessment Of Location Safety Meeting	08/18/2013 11:10							WITH HES
Pre-Rig Up Safety Meeting	08/18/2013 11:15							WITH HES
Rig-Up Equipment	08/18/2013 11:30							
Pre-Job Safety Meeting	08/18/2013 11:50							WITH HES, WPX, AND NABORS 577
Start Job	08/18/2013 12:07							TD 1081 FT, TP 1071.1 FT, SHOE 44.57 FT, HOLE 13.5 IN, CSG 32.3 LB/FT 9.625 IN H-40, MWT 9.5 LB/GAL, RIG CIRCULATING AT 16 BBL/MIN
Pump Water	08/18/2013 12:08		2	2			50.0	FILL LINES
Test Lines	08/18/2013 12:11							LOW TEST AT 1512 PSI, HIGH TEST AT 3091 PSI, PRESSURE HOLDING
Pump Spacer	08/18/2013 12:16		4	20			101.0	FRESH WATER
Pump Tail Cement	08/18/2013 12:25		8	109			435.0	MIXED AT 12.8 LB/GAL, 290 SKS, 2.11 FT3/SK, 11.75 GAL/SK, DENSITY VERIFIED USING PRESSURIZED MUD SCALES

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Shutdown	08/18/2013 12:39						210.0	
Drop Plug	08/18/2013 12:40							PLUG LAUNCHED
Pump Displacement	08/18/2013 12:41		10	70			640.0	FRESH WATER
Slow Rate	08/18/2013 12:50		2	10.8			234.0	SLOWED AT 71 BBL AWAY
Bump Plug	08/18/2013 12:55		2				286.0	PLUG BUMPED AT CALCULATED DISPLACEMENT
Check Floats	08/18/2013 12:57						891.0	FLOATS HOLDING, .5 BBL RETURNED TO THE TRUCK
End Job	08/18/2013 12:58							GOOD CIRCULATION THROUGHOUT THE JOB, PIPE WAS STATIC THROUGHOUT THE JOB, NO DERRICK CHARGE, NO ADD HOURS CHARGED, CIRCULATED 20 BBL CEMENT TO SURFACE, RIG USED 40 LBS OF SUGAR
Post-Job Safety Meeting (Pre Rig-Down)	08/18/2013 13:05							WITH HES
Rig-Down Equipment	08/18/2013 13:15							
Pre-Convoy Safety Meeting	08/18/2013 14:00							WITH HES
Crew Leave Location	08/18/2013 14:10							
Comment	08/18/2013 14:11							THANKS FOR USING HALLIBURTON, JOHN KEANE AND CREW

WPX - PA- 424-12

9.625 IN SURFACE



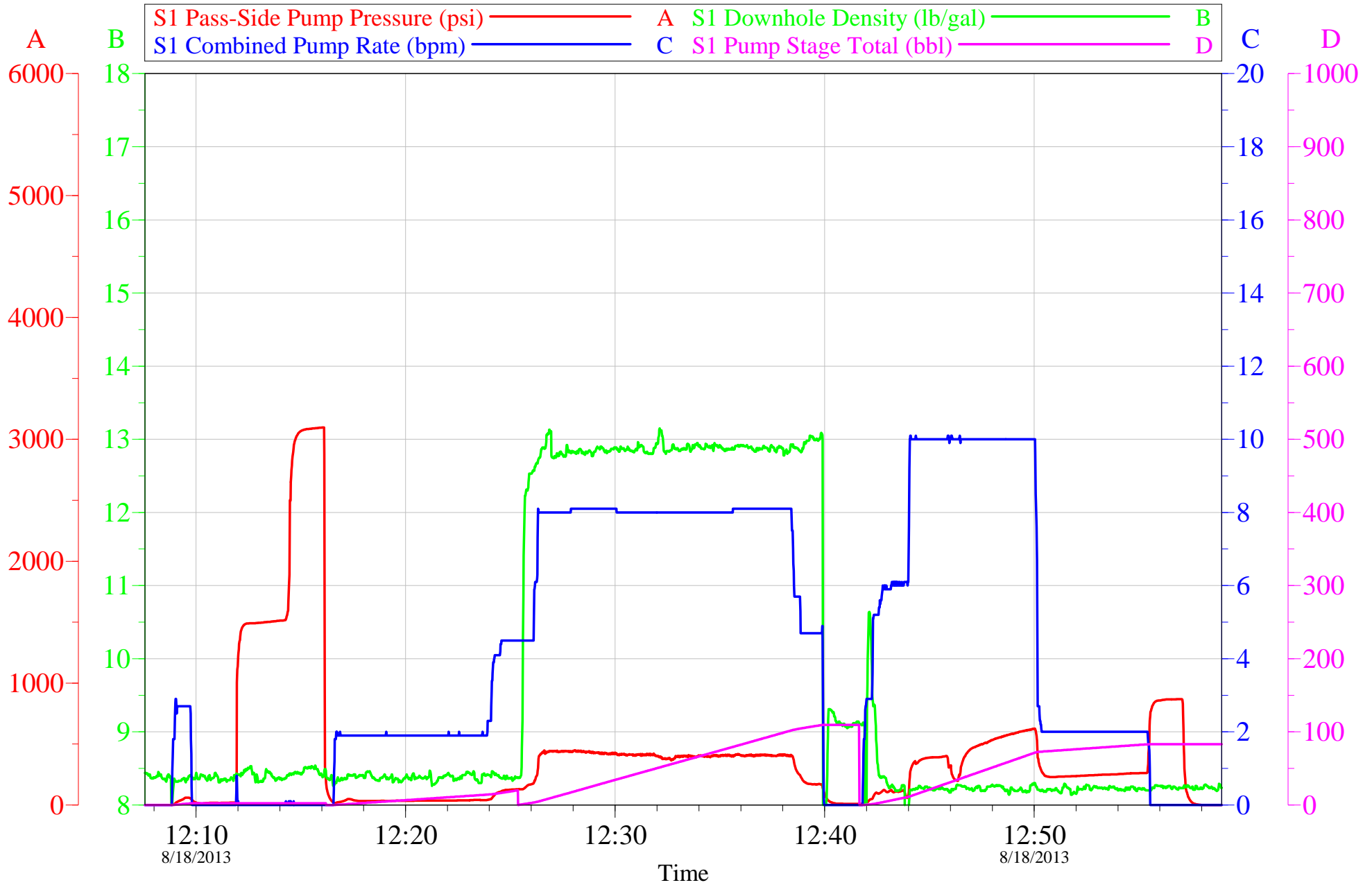
Local Event Log								
1	START JOB	12:07:58	2	FILL LINES	12:08:55	3	TEST LINES	12:11:57
4	PUMP H2O SPACER	12:16:38	5	PUMP CEMENT	12:25:31	6	SHUTDOWN	12:39:54
7	DROP TOP PLUG	12:40:53	8	PUMP DISPLACEMENT	12:41:50	9	SLOW RATE	12:50:08
10	BUMP PLUG	12:55:25	11	CHECK FLOATS	12:57:07	12	END JOB	12:57:58

Customer:	WPX	Job Date:	18-Aug-2013	Sales Order #:	900677314
Well Description:	PA-424-12	Job Type:	SURFACE	ADC Used:	YES
Company Rep:	LUKE HUBBARD	Cement Supervisor:	JOHN KEANE	Elite #3:	BRENT BANKS

OptiCem v6.4.10
18-Aug-13 13:04

WPX - PA- 424-12

9.625 IN SURFACE



Customer: WPX	Job Date: 18-Aug-2013	Sales Order #: 900677314
Well Description: PA-424-12	Job Type: SURFACE	ADC Used: YES
Company Rep: LUKE HUBBARD	Cement Supervisor: JOHN KEANE	Elite #3: BRENT BANKS

OptiCem v6.4.10
18-Aug-13 13:04

HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: JOHN KEANE

Attention: CHUCK ROSS

Lease PA

Well # 424-12

Date: 8/18/2013

Date Rec.: 8/18/2013

S.O.# 900677314

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	8
Potassium (K)	<i>5000</i>	1200 Mg / L
Calcium (Ca)	<i>500</i>	200 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	120 Mg / L
Sulfates (SO ₄)	<i>1500</i>	<200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	68 Deg
Total Dissolved Solids		330 Mg / L

Respectfully: JOHN KEANE

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 use.

Sales Order #: 900677314	Line Item: 10	Survey Conducted Date: 8/18/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: LUKE HUBBARD		API / UWI: (leave blank if unknown) AFEY0NUOELKQAJANAAA
Well Name: PA		Well Number: 424-12
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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	8/18/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	JOHN KEANE (HB58526)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	LUKE HUBBARD
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	GOOD JOB

CUSTOMER SIGNATURE

Sales Order #: 900677314	Line Item: 10	Survey Conducted Date: 8/18/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: LUKE HUBBARD		API / UWI: (leave blank if unknown) AFEY0NUOELKQAJANAAA
Well Name: PA		Well Number: 424-12
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	8/18/2013

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.	3.5
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	6
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 #: 900677314	Line Item: 10	Survey Conducted Date: 8/18/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: LUKE HUBBARD		API / UWI: (leave blank if unknown) AFEY0NUOELKQAJANAAA
Well Name: PA		Well Number: 424-12
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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