
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 313-12
PARACHUTE
Garfield County , Colorado**

Cement Surface Casing
20-Oct-2013

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 300721	Quote #:	Sales Order #: 900834206
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: Hubbard, Luke		
Well Name: PA	Well #: 313-12	API/UWI #:	
Field: PARACHUTE	City (SAP): TULSA	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	Srv Supervisor: CARTER, ERIC	MBU ID Emp #:	345598

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CARTER, ERIC Earl	0.0	345598	JENSEN, SHANE	0.0	441759	LINN, PAUL Andrew	0.0	479143

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10296152C	60 mile	10784080	60 mile	11360883	60 mile	11583933	60 mile
11808849	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			Total is the sum of each column separately					

Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To
				BHST	858.5 ft	858.5 ft				
							Wk Ht Above Floor			
						5. ft				

Job Times

Date	Time	Time Zone
20 - Oct - 2013	07:00	MST
20 - Oct - 2013	11:30	MST
20 - Oct - 2013	16:10	MST
20 - Oct - 2013	16:55	MST
20 - Oct - 2013	18:00	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
OPEN HOLE				13.5				.	941.	.	941.
SURFACE CASING	Unknown		9.625	9.001	32.3		H-40	.	931.	.	931.

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

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
1	Fresh Water Spacer		20.00	bbl	.	.0	.0	.0	
2	VariCem GJ1 Tail Cement	VARICEM (TM) CEMENT (452009)	240.0	sacks	12.8	2.11	11.75		11.75
11.75 Gal		FRESH WATER							
3	Fresh Water Displacement		64.00	bbl	10.	.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	45 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					

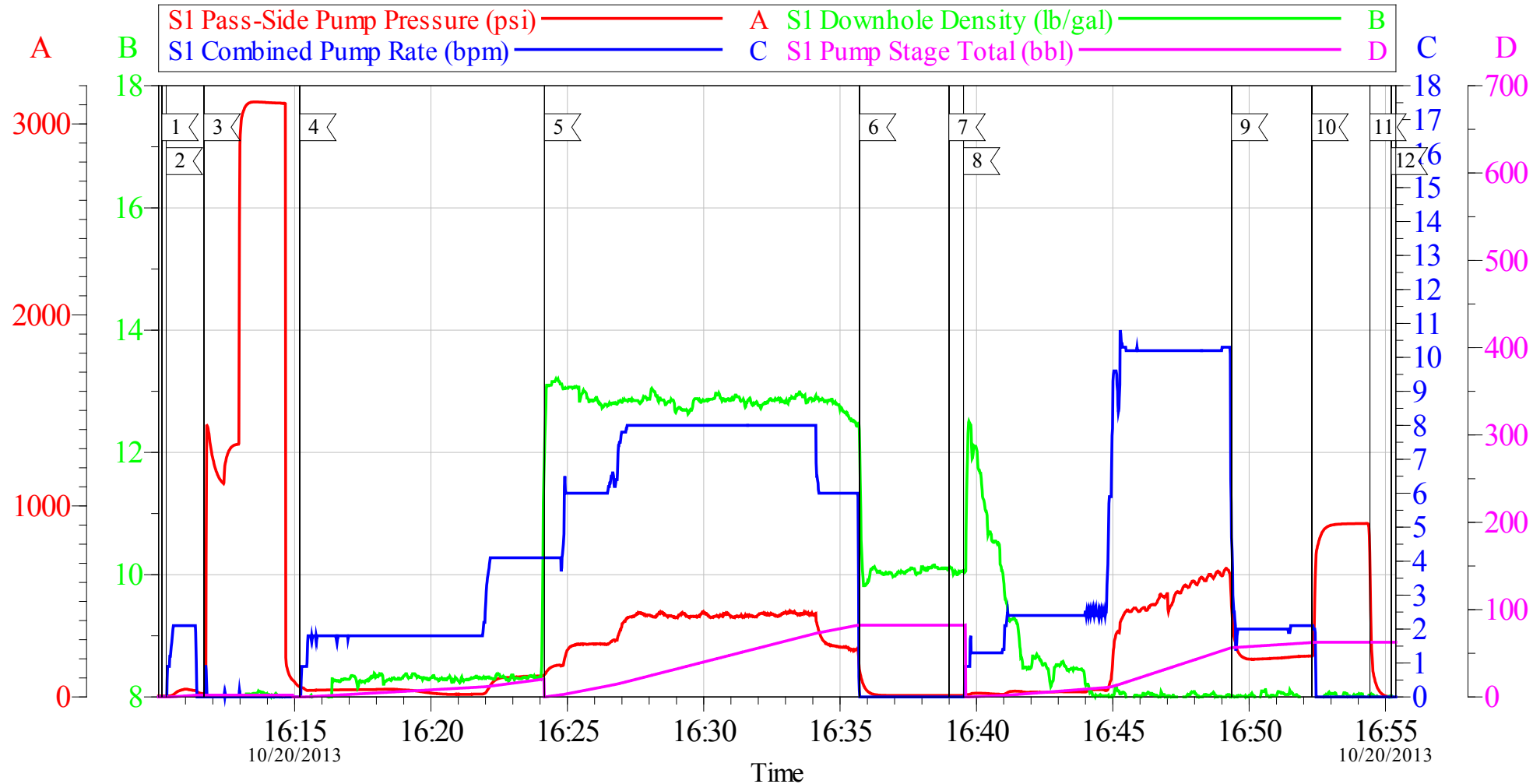
The Road to Excellence Starts with Safety

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Well Name: PA			Well #: 313-12			API/UWI #:	
Field: PARACHUTE		City (SAP): TULSA		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			Srv Supervisor: CARTER, ERIC			MBU ID Emp #: 345598	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	10/20/2013 07:00							
Arrive at Location from Other Job or Site	10/20/2013 11:30							RIG RUNNING CASING
Assessment Of Location Safety Meeting	10/20/2013 14:30							ATTENDED BY ALL HES CREW
Other	10/20/2013 14:40							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	10/20/2013 14:50							ATTENDED BY ALL HES CREW
Rig-Up Equipment	10/20/2013 15:00							
Pre-Job Safety Meeting	10/20/2013 15:50							ATTENDED BY ALL HES CREW, RIG CREW AND COMPANY REP
Start Job	10/20/2013 16:10							TP 858.46', TD 870', SJ 43.86', FC 814.6', MW 9.9 PPG, CASING 9.625", 32.3#, J-55, HOLE 13.5", RIG CIRCULATED FOR 2 HR'S PRIOR TO JOB
Other	10/20/2013 16:10		2	2			40.0	FILL LINES
Test Lines	10/20/2013 16:11							PRESSURED UP TO 3113 PSI, PRESSURE HELD
Pump Spacer	10/20/2013 16:15		4	20			110.0	FRESH WATER
Pump Tail Cement	10/20/2013 16:24		8	90.2			440.0	240 SKS VARICEM MIXED AT 12.8 PPG, 2.11 YIELD, 11.75 GL/SK
Shutdown	10/20/2013 16:35							

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Drop Top Plug	10/20/2013 16:38							PLUG LUANCHED
Pump Displacement	10/20/2013 16:39		10	54.1			665.0	FRESH WATER
Slow Rate	10/20/2013 16:49		2	10			215.0	
Bump Plug	10/20/2013 16:52						905.0	PLUG LANDED
Check Floats	10/20/2013 16:54							FLOATS HELD
End Job	10/20/2013 16:55							GOOD CIRCULATION THROUGH OUT JOB, PIPE NOT MOVED DURING JOB, 20 BBLS CEMENT TO SURFACE
Post-Job Safety Meeting (Pre Rig-Down)	10/20/2013 17:00							ATTENDED BY ALL HES CREW
Rig-Down Equipment	10/20/2013 17:05							
Depart Location Safety Meeting	10/20/2013 17:55							ATTENDED BY ALL HES CREW
Crew Leave Location	10/20/2013 18:00							THANK YOU FOR USING HALLIBURTON CEMENT, ERIC CARTER AND CREW.

WPX - PA 313-12
9.625" SURFACE



Local Event Log

1 START JOB	16:10:08	2 FILL LINES	16:10:17	3 TEST LINES	16:11:40
4 PUMP SPACER	16:15:11	5 PUMP TAIL CEMENT	16:24:10	6 SHUTDOWN	16:35:43
7 DROP TOP PLUG	16:38:59	8 PUMP DISPLACEMENT	16:39:32	9 SLOW RATE	16:49:21
10 BUMP PLUG	16:52:18	11 CHECK FLOATS	16:54:26	12 END JOB	16:55:13

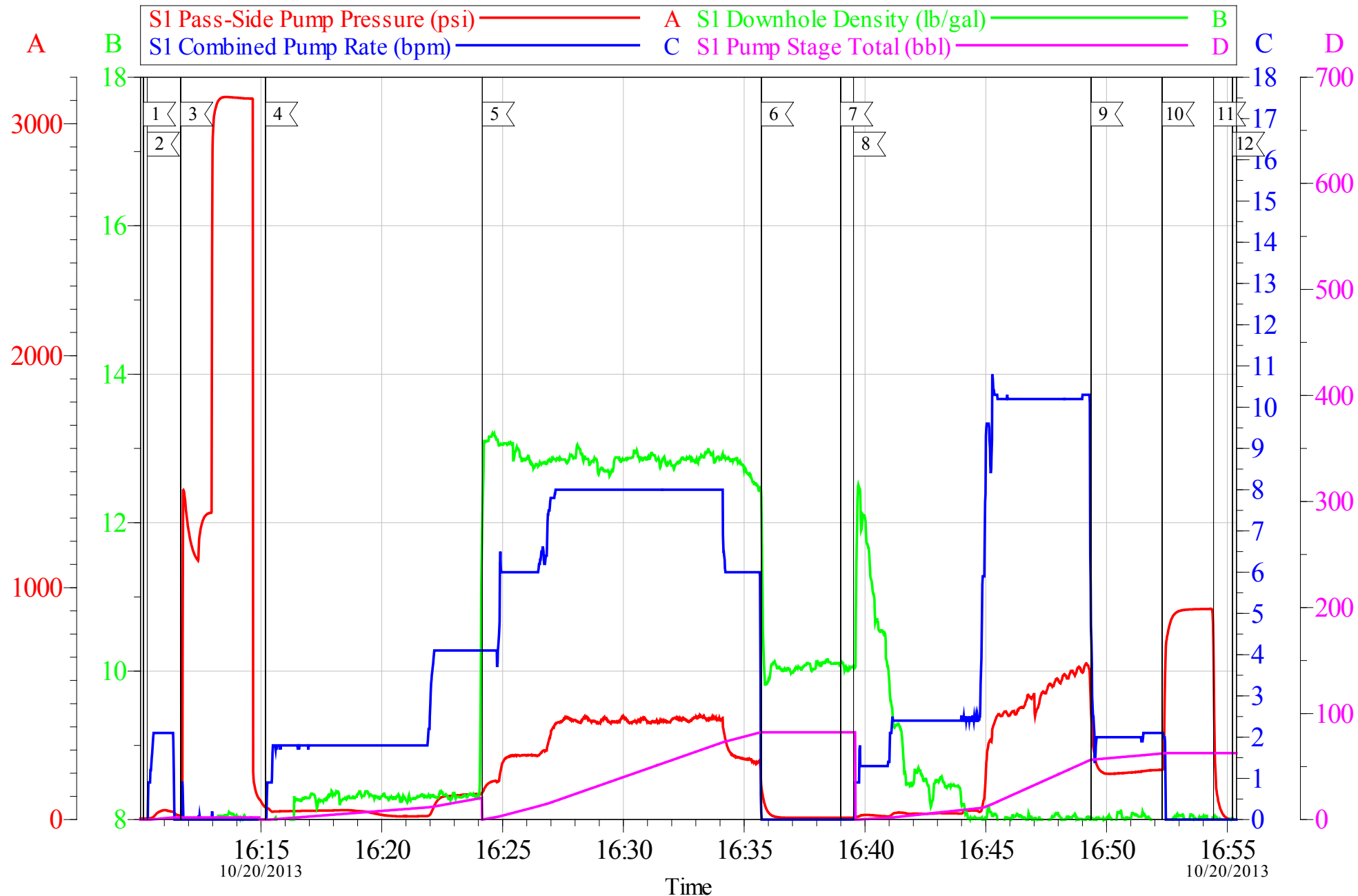
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS
Well Description: PA 313-12
Company Rep: W.C. WILSON

Job Date: 20-Oct-2013
Job Type: SURFACE
Service Supervisor: ERIC CARTER

Sales Order #: 900834206
ADC Used: YES
Elite#/Operator: 9/ANDREW LINN

OptiCem v6.4.10
20-Oct-13 17:00

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OptiCem v6.4.10
20-Oct-13 17:00

HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: ERIC CARTER

Attention: J.Trout

Lease: NABORS 577

Well #: PA 313-12

Date: 1/6/2014

Date Rec.: 1/6/2014

S.O.#: 900817474

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	0 Mg / L
Hrdness	<i>500</i>	250 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	500 Mg / L
Sulfates (SO ₄)	<i>1500</i>	<200 Mg / L
Temp	<i>40-80</i>	54 Deg
Total Dissolved Solids		600 Mg / L

Respectfully: ERIC CARTER

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 #: 900834206	Line Item: 10	Survey Conducted Date: 10/20/2013
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) AFEYKOVYULKDD2CWAAA
Well Name: PA		Well Number: 313-12
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	10/20/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	ERIC CARTER (HX15491)
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

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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	10/20/2013

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
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

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Customer Representative: W.C. WILSON		API / UWI: (leave blank if unknown) AFEYKOVYULKDD2CWAAA
Well Name: PA		Well Number: 313-12
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	97
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