HALLIBURTON

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

PA 322-11

Garfield County , Oklahoma

Cement Surface Casing

17-May-2013

Post Job Report

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721	**Ship To #:** 2998226	**Quote #:**	**Sales Order #:** 900437743
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		**Customer Rep:** Dunihoo, Al	
Well Name: PA	**Well #:** 322-11		**API/UWI #:** 05-045-21826
Field:	**City (SAP):** PARACHUTE	**County/Parish:** Garfield	**State:** Oklahoma
Lat: N 39.453 deg. OR N 39 deg. 27 min. 10.49 secs.		**Long:** W 107.967 deg. OR W -108 deg. 1 min. 57.558 secs.	
Contractor: Cylcone Drilling	**Rig/Platform Name/Num:** Cyclone 17		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	**Job Type:** Cement Surface Casing		
Sales Person: MAYO, MARK	**Srvc Supervisor:** SMITH, CHRISTOPHER	**MBU ID Emp #:** 452619	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BRENNECKE, ANDREW Bailey	0.0	486345	JAMISON, PRICE W	0.0	229155	SMITH, CHRISTOPHER Scott	0.0	452619

Equipment

HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*
	60 mile	10297346	60 mile	11071559	60 mile	11259884	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		**BHST**			
Job depth MD	886. ft	**Job Depth TVD**	886. ft		
Water Depth		**Wk Ht Above Floor**	4. ft		
Perforation Depth (MD)	*From*		**To**		

Job Times

	Date	Time	Time Zone
Called Out	16 - May - 2013	18:00	MST
On Location	16 - May - 2013	22:30	MST
Job Started	17 - May - 2013	00:10	MST
Job Completed	17 - May - 2013	01:00	MST
Departed Loc	17 - May - 2013	03:00	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

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

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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**
1	Fresh Water Spacer		20.00	bbl	.	.0	.0	.0	
2	VersaCem GJ1Tail Cement	VERSACEM (TM) SYSTEM (452010)	245.0	sacks	12.8	2.11	11.75		11.75
3	Fresh Water Displacement			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***

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Cementing Job Log

The Road to Excellence Starts with Safety

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Well Name: PA	**Well #:** 322-11		**API/UWI #:** 05-045-21826
Field:	**City (SAP):** PARACHUTE	**County/Parish:** Garfield	**State:** Oklahoma
Legal Description:			
Lat: N 39.453 deg. OR N 39 deg. 27 min. 10.49 secs.		**Long:** W 107.967 deg. OR W -108 deg. 1 min. 57.558 secs.	
Contractor: Cylcone Drilling	**Rig/Platform Name/Num:** Cyclone 17		
Job Purpose: Cement Surface Casing			**Ticket Amount:**
Well Type: Development Well	**Job Type:** Cement Surface Casing		
Sales Person: MAYO, MARK	**Srvc Supervisor:** SMITH, CHRISTOPHER		**MBU ID Emp #:** 452619

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	05/16/2013 17:30							REQUESTED ON LOCATION 22:30
Depart Yard Safety Meeting	05/16/2013 21:30							ALL HES EE PRESENT
Crew Leave Yard	05/16/2013 21:35							
Arrive At Loc	05/16/2013 22:30							RIG WAITING ON BOTTOM
Assessment Of Location Safety Meeting	05/16/2013 22:35							ALL HES EE PRESENT
Pre-Rig Up Safety Meeting	05/16/2013 22:50							ALL HES EE PRESENT
Pre-Job Safety Meeting	05/16/2013 23:30							ALL HES EE PRESENT
Start Job	05/17/2013 00:10							
Other	05/17/2013 00:12		2	2			28.0	FILL LINES
Test Lines	05/17/2013 00:15		0.5	0.5				ALL LINES HELD PRESSURE AT 3132 PSI
Pump Spacer	05/17/2013 00:19		3	20			80.0	FRESH WATER
Pump Tail Cement	05/17/2013 00:26		8	92			235.0	245 SKS 12.8 PPG 2.11 FT3/SK 11.75 GAL/SK
Shutdown	05/17/2013 00:39							WASH UP ON TOP OF PLUG
Drop Plug	05/17/2013 00:41							PLUG WENT
Pump Displacement	05/17/2013 00:42		10	56			400.0	FRESH WATER
Slow Rate	05/17/2013 00:52		2	10			192.0	
Bump Plug	05/17/2013 00:56			66			910.0	

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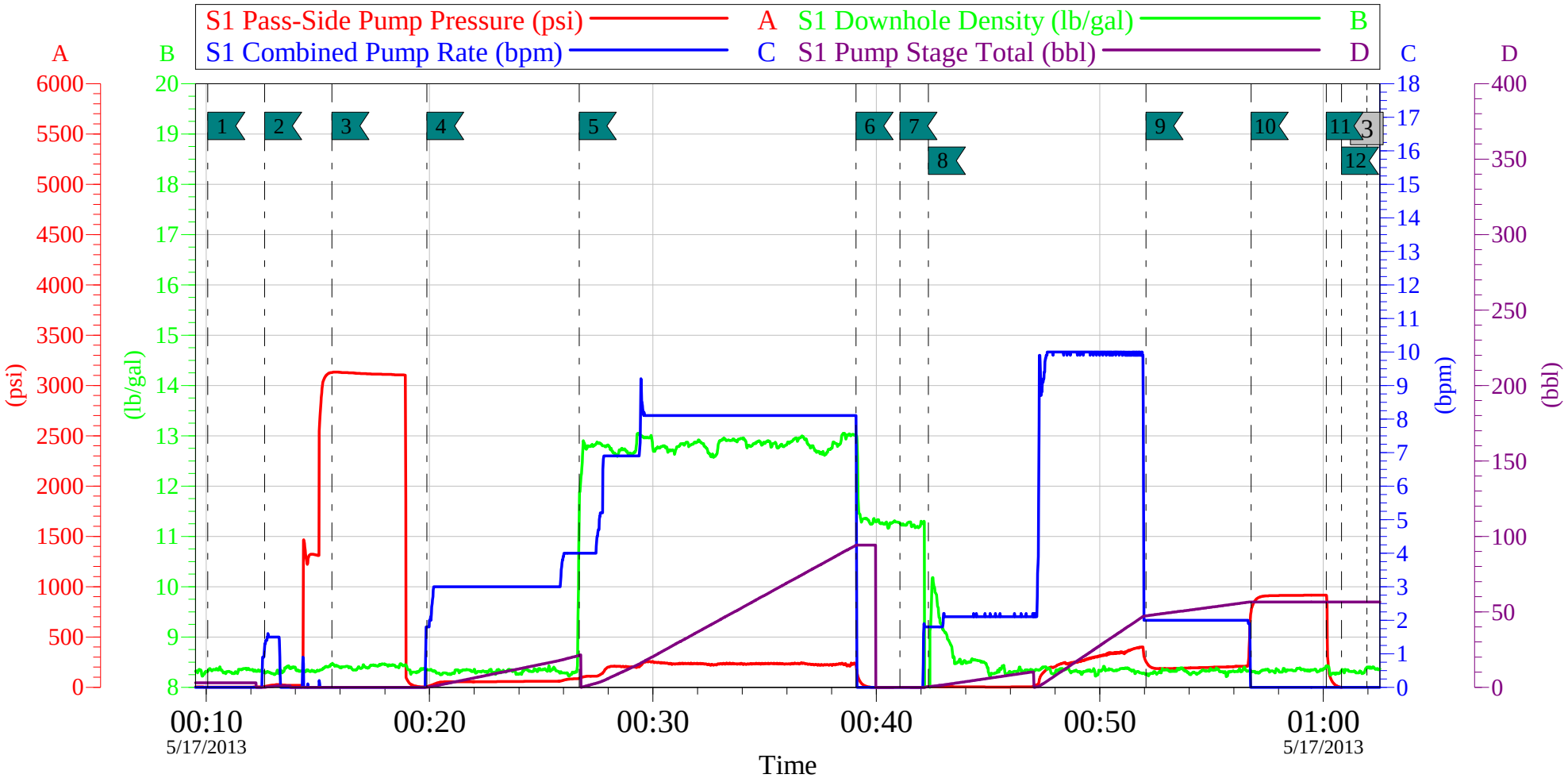
Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Check Floats	05/17/2013 01:00							FLOATS HELD
End Job	05/17/2013 01:01							GOOD CIRCULATION THROUGH OUT JOB 16 BBLS CEMENT TO SURFACE PIPE WAS NOT MOVED THROUGH OUT JOB RIG USED 160 LBS OF SUGAR
Post-Job Safety Meeting (Pre Rig-Down)	05/17/2013 01:15							ALL HES EE PRESENT
Depart Location Safety Meeting	05/17/2013 02:30							ALL HES EE PRESENT
Crew Leave Location	05/17/2013 03:00							THANKS FOR USING HALLIBURTON CHRIS SMITH & CREW

WPX- PA 322-11

9.625" SURFACE



Local Event Log

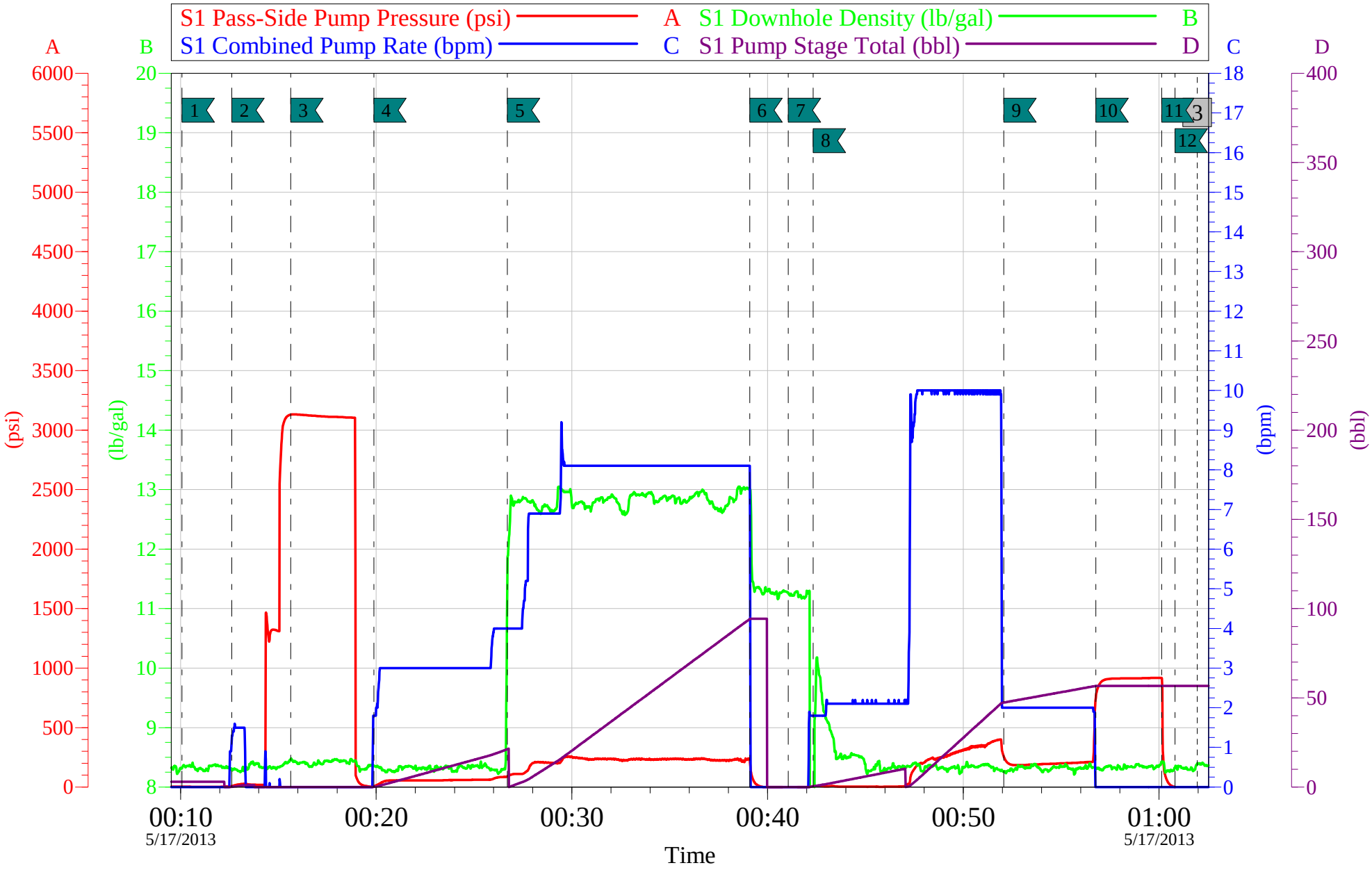
1	START JOB	00:10:05	2	FILL LINES	00:12:37	3	TEST LINES	00:15:38
4	H20 SPACER	00:19:53	5	CEMENT	00:26:42	6	SHUT DOWN	00:39:05
7	DROP PLUG	00:41:04	8	PUMP DISPLACEMENT	00:42:20	9	SLOW RATE	00:52:04
10	BUMP PLUG	00:56:47	11	CHECK FLOATS	01:00:08	12	END JOB	01:00:49

Customer:	WPX	Job Date:	16-May-2013	Sales Order #:	900437743
Well Description:	PA 322-11	Job Type	SURFACE	CO.REP	MATT HUTTSON
Supervisor	CHRIS SMITH	Operator	A. BRENNECKE	Pump #	9

OptiCem v6.4.10
17-May-13 01:25

WPX- PA 322-11

9.625" SURFACE



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Supervisor	CHRIS SMITH	Operator	A. BRENNECKE	Pump #	9

OptiCem v6.4.10
17-May-13 01:25

HALLIBURTON

CUSTOMER SURVEY

Sales Order #:	**Line Item:**	**Survey Conducted Date:**
900437743	10	5/17/2013
Customer:		**Job Type (BOM):**
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		CMT SURFACE CASING BOM
Customer Representative:		**API / UWI: (leave blank if unknown)**
MATT HUDSON		05-045-21826
Well Name:		**Well Number:**
PA		322-11
Well Type:	**Well Country:**	
Development Well	United States of America	
H2S Present:	**Well State:**	**Well County:**
	Oklahoma	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**	**5/17/2013**
Survey Interviewer	**The survey interviewer is the person who initiated the survey.**	**CHRISTOPHER SMITH (HB20137)**
Customer Participation	**Did the customer partipcipate 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

HALLIBURTON

CUSTOMER SURVEY

Sales Order #:	**Line Item:**	**Survey Conducted Date:**
900437743	10	5/17/2013
Customer:		**Job Type (BOM):**
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		CMT SURFACE CASING BOM
Customer Representative:		**API / UWI: (leave blank if unknown)**
MATT HUDSON		05-045-21826
Well Name:		**Well Number:**
PA		322-11
Well Type:	**Well Country:**	
Development Well	United States of America	
H2S Present:	**Well State:**	**Well County:**
	Oklahoma	Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	5/17/2013

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.	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.	2
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	7
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 SURVEY

Sales Order #:	**Line Item:**	**Survey Conducted Date:**
900437743	10	5/17/2013
Customer:		**Job Type (BOM):**
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		CMT SURFACE CASING BOM
Customer Representative:		**API / UWI: (leave blank if unknown)**
MATT HUDSON		05-045-21826
Well Name:		**Well Number:**
PA		322-11
Well Type:	**Well Country:**	
Development Well	United States of America	
H2S Present:	**Well State:**	**Well County:**
	Oklahoma	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 cment mixed at designed density divided by total BBLs of cement multiplied by 100	91
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	8
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