HALLIBURTON

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

PA 314-4
PARACHUTE
Garfield County , Colorado

Cement Surface Casing

13-Nov-2012

Post Job Report

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721	**Ship To #:** 300721	**Quote #:**	**Sales Order #:** 9912592
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		**Customer Rep:** Wilson, W.C	
Well Name: PA	**Well #:** 314-4		**API/UWI #:** 05-045-20090
Field: PARACHUTE	**City (SAP):** TULSA	**County/Parish:** Garfield	**State:** Colorado
Lat: N 39.463 deg. OR N 39 deg. 27 min. 48.272 secs.		**Long:** W 108.007 deg. OR W -109 deg. 59 min. 35.473 secs.	
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:** SLAUGHTER, JESSE	**MBU ID Emp #:** 454315	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BURKE, BRENDAN Patrick	8	487782	HYDE, DUSTIN C	8	453940	SLAUGHTER, JESSE Dean	8	454315
WILSON, BENJAMIN Wallace	8	533647						

Equipment

HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*
10867423	60 mile	10872429	60 mile	11259881	60 mile	11562538	60 mile
11808847	60 mile						

Job Hours

Date	*On Location Hours*	Operating Hours	Date	*On Location Hours*	Operating Hours	Date	*On Location Hours*	Operating Hours
11-13-2012	8	3						
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name			
Formation Depth (MD)	**Top**		**Bottom**
Form Type		**BHST**	
Job depth MD	899. ft	**Job Depth TVD**	899. ft
Water Depth		**Wk Ht Above Floor**	5. ft
Perforation Depth (MD)	*From*		**To**

Job Times

	Date	Time	Time Zone
Called Out	13 - Nov - 2012	02:30	MST
On Location	13 - Nov - 2012	06:30	MST
Job Started	13 - Nov - 2012	12:06	MST
Job Completed	13 - Nov - 2012	13:05	MST
Departed Loc	13 - Nov - 2012	14:30	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

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					**Packer**					**Top Plug**	9.625	1	HES
Float Shoe					**Bridge Plug**					**Bottom Plug**			
Float Collar					**Retainer**					**SSR plug set**			
Insert Float										**Plug Container**	9.625	1	HES
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

HALLIBURTON

Cementing Job Summary

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	**Water Spacer**	**FRESH WATER**	**20.00**	**bbl**	**8.33**	**.0**	**.0**	**4**	
2	**Tail Cement**	**VERSACEM (TM) SYSTEM (452010)**	**270.0**	**sacks**	**12.8**	**2.11**	**11.75**	**6**	**11.75**
3	**Displacement**	**FRESH WATER**	**67.3**	**bbl**	**8.33**	**.0**	**.0**	**10**	

Calculated Values		**Pressures**		**Volumes**					
Displacement	67.3	**Shut In: Instant**		**Lost Returns**	NO	*Cement Slurry*	101.5	**Pad**	
Top Of Cement	SURFACE	**5 Min**		**Cement Returns**	21	**Actual Displacement**	67.3	**Treatment**	
Frac Gradient		**15 Min**		**Spacers**	20	**Load and Breakdown**		**Total Job**	**190**

Rates							
Circulating		*Mixing*	6	*Displacement*	10	**Avg. Job**	8

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 #:** 314-4		**API/UWI #:** 05-045-20090
Field: PARACHUTE	**City (SAP):** TULSA	**County/Parish:** Garfield	**State:** Colorado
Legal Description:			
Lat: N 39.463 deg. OR N 39 deg. 27 min. 48.272 secs.		**Long:** W 108.007 deg. OR W -109 deg. 59 min. 35.473 secs.	
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:** SLAUGHTER, JESSE		**MBU ID Emp #:** 454315

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	11/13/2012 02:30							TD 910 FT, TP 899 FT, SHOE 44.13 FT, CSG 9 5/8 IN 32.3 LB/FT, HOLE 13 1/2 IN, MUD WT 9.4 PPG
Pre-Convoy Safety Meeting	11/13/2012 04:50							WITH ALL HES PERSONNEL
Crew Leave Yard	11/13/2012 05:00							
Arrive At Loc	11/13/2012 06:30							RIG WAS PULLING DRILL PIPE UPON HES ARRIVAL
Assessment Of Location Safety Meeting	11/13/2012 10:30							WITH ALL HES PERSONNEL
Other	11/13/2012 10:40							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	11/13/2012 10:50							WITH ALL HES PERSONNEL
Rig-Up Equipment	11/13/2012 11:00							
Pre-Job Safety Meeting	11/13/2012 11:50							WITH ALL PERSONNEL ON LOCATION
Start Job	11/13/2012 12:06							
Other	11/13/2012 12:06		2	2			28	FILL LINES WITH FRESH WATER
Test Lines	11/13/2012 12:08							TESTED LINES TO 3560 PSI PRESSURE HOLDING
Pump Spacer 1	11/13/2012 12:13		4	20			65.0	FRESH WATER
Pump Tail Cement	11/13/2012 12:23		6	101.5			220.0	270 SKS AT 12.8 PPG, 2.11 FT3/SK, 11.75 GAL/SK
Shutdown	11/13/2012 12:45							

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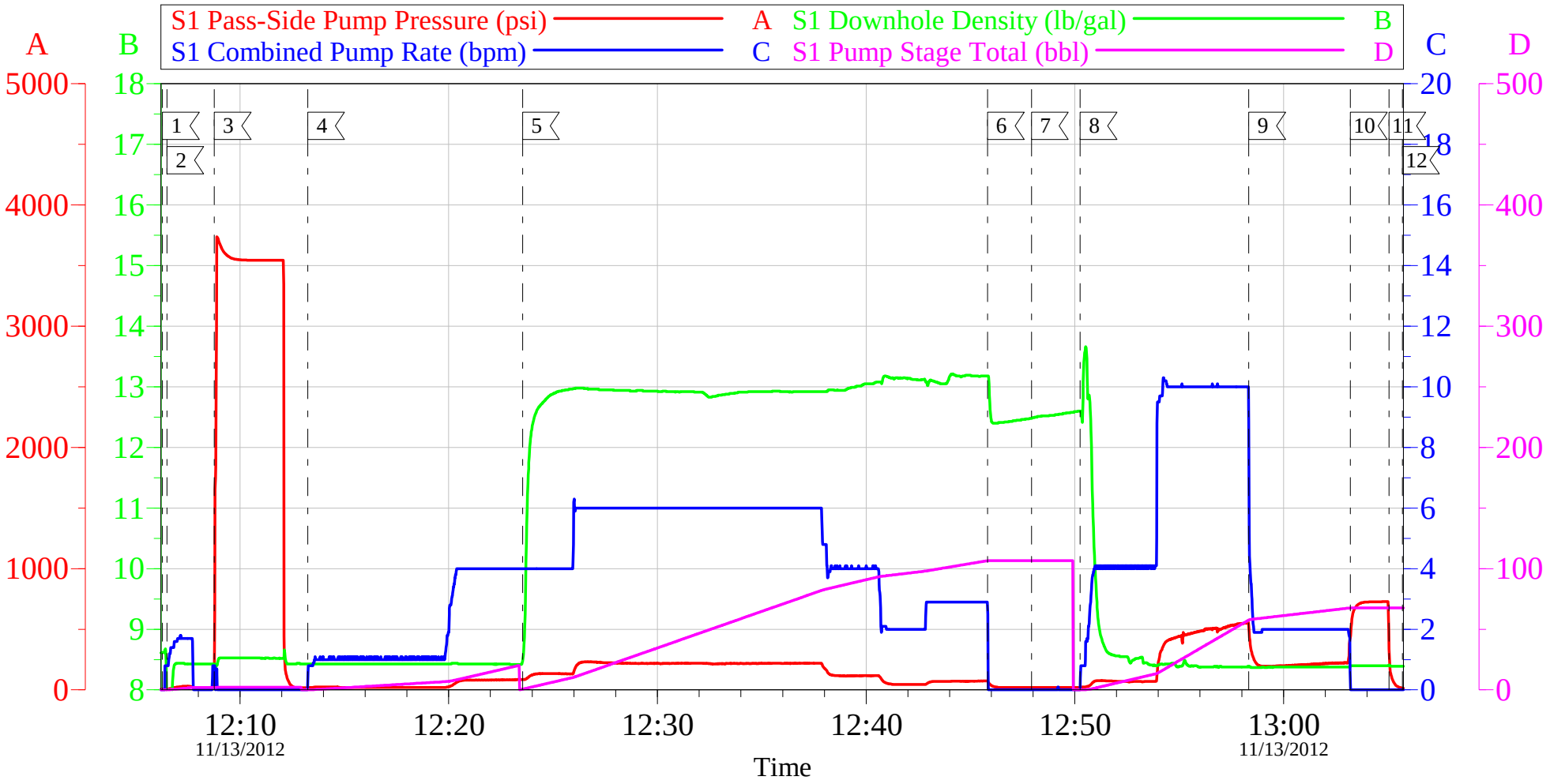
Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Drop Top Plug	11/13/2012 12:47							PLUG LAUNCHED
Pump Displacement	11/13/2012 12:50		10	57.3			560.0	FRESH WATER
Slow Rate	11/13/2012 12:58		2	10			225.0	SLOW RATE 10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	11/13/2012 13:03		2		67.3		728.0	PLUG BUMPED
Check Floats	11/13/2012 13:05							FLOATS HOLDING. HES RETURNED 1/2 BBL H20 TO PUMP
End Job	11/13/2012 13:05							PIPE WAS STATIC DURING JOB, GOOD CIRCULATION THROUGHOUT JOB, HES RETURNED 21 BBL CEMENT TO SURFACE. HES USED 40 LB SUGAR FOR JOB
Pre-Rig Down Safety Meeting	11/13/2012 13:10							WITH ALL HES PERSONNEL
Rig-Down Equipment	11/13/2012 13:15							
Pre-Convoy Safety Meeting	11/13/2012 14:20							WITH ALL HES PERSONNEL
Crew Leave Location	11/13/2012 14:30							
Comment	11/13/2012 14:31							THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JESSE SLAUGHTER AND CREW.

WPX PA 314-4

9 5/8 SURFACE



Local Event Log

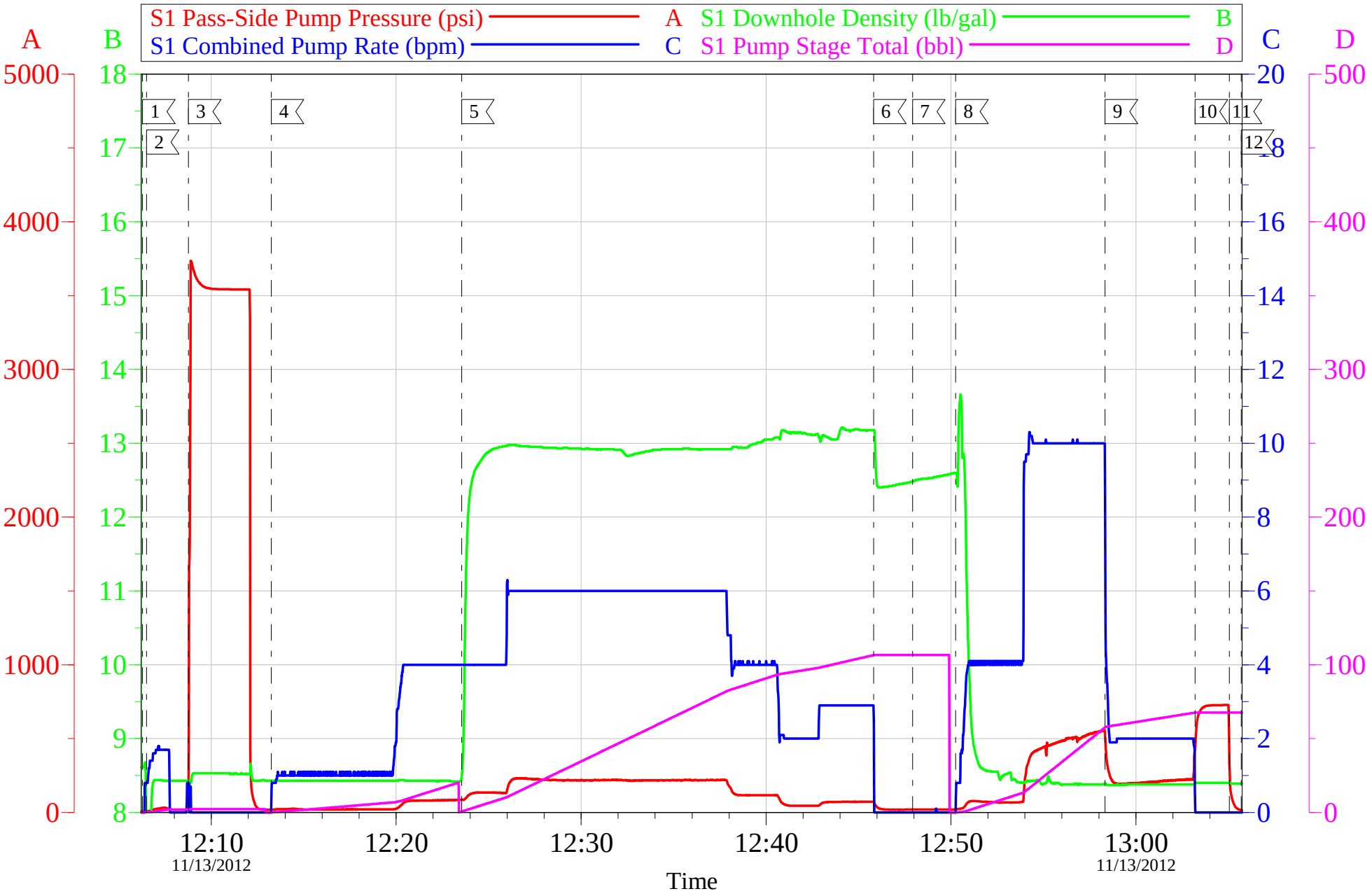
1	START JOB	12:06:17	2	PRIME LINES	12:06:30	3	TEST LINES	12:08:46
4	PUMP H20 SPACER	12:13:15	5	PUMP TAIL CEMENT	12:23:32	6	SHUTDOWN	12:45:49
7	DROP TOP PLUG	12:47:56	8	PUMP DISPLACEMENT	12:50:16	9	SLOW RATE	12:58:20
10	BUMP PLUG	13:03:12	11	CHECK FLOATS	13:05:03	12	END JOB	13:05:42

Customer:	WPX	Job Date:	13-Nov-2012	Sales Order #:	9912592
Well Description:	PA 314-4	Job Type:	SURFACE	ADC Used:	YES
Customer Rep:	W.C. WILSON	Cement Supervisor:	JESSE SLAUGHTER	Elite #7:	DUSTIN HYDE

OptiCem v6.4.10
13-Nov-12 13:12

WPX PA 314-4

9 5/8 SURFACE



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Customer Rep:	W.C. WILSON	Cement Supervisor:	JESSE SLAUGHTER	Elite #7:	DUSTIN HYDE

OptiCem v6.4.10
13-Nov-12 13:12

HALLIBURTON

Water Analysis Report

Company:	WILLIAMS PRODUCTION	**Date:**	11/13/2012
Submitted by:	JESSE SLAUGHTER	**Date Rec.:**	
Attention:	LAB	**S.O.#**	9912592
Lease	PA	**Job Type:**	SURFACE
Well #	314-4		

Specific Gravity	*MAX*	1	
pH	*8*	6	
Potassium (K)	*5000*	250	Mg / L
Calcium (Ca)	*500*	120	Mg / L
Iron (FE2)	*300*	0	Mg / L
Chlorides (Cl)	*3000*	0	Mg / L
Sulfates (SO_4)	*1500*	UNDER 200	Mg / L
Chlorine (Cl_2)		0	Mg / L
Temp	*40-80*	45	Deg
Total Dissolved Solids		200	Mg / L

Respectfully: JESSE SLAUGHTER

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

HALLIBURTON

CUSTOMER SURVEY

Sales Order #:	**Line Item:**	**Survey Conducted Date:**
9912592	10	11/13/2012
Customer:		**Job Type (BOM):**
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		CMT SURFACE CASING BOM
Customer Representative:		**API / UWI: (leave blank if unknown)**
W.C. WILSON		05-045-20090
Well Name:		**Well Number:**
PA		314-4
Well Type:	**Well Country:**	
Development Well	United States of America	
H2S Present:	**Well State:**	**Well County:**
	Colorado	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**	**11/13/2012**
Survey Interviewer	**The survey interviewer is the person who initiated the survey.**	**JESSE SLAUGHTER (HB21762)**
Customer Participation	**Did the customer partipcipate 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

HALLIBURTON

CUSTOMER SURVEY

Sales Order #:	**Line Item:**	**Survey Conducted Date:**
9912592	10	11/13/2012
Customer:		**Job Type (BOM):**
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		CMT SURFACE CASING BOM
Customer Representative:		**API / UWI: (leave blank if unknown)**
W.C. WILSON		05-045-20090
Well Name:		**Well Number:**
PA		314-4
Well Type:	**Well Country:**	
Development Well	United States of America	
H2S Present:	**Well State:**	**Well County:**
	Colorado	Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	11/13/2012

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	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

HALLIBURTON

CUSTOMER SURVEY

Sales Order #:	**Line Item:**	**Survey Conducted Date:**
9912592	10	11/13/2012
Customer:		**Job Type (BOM):**
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		CMT SURFACE CASING BOM
Customer Representative:		**API / UWI: (leave blank if unknown)**
W.C. WILSON		05-045-20090
Well Name:		**Well Number:**
PA		314-4
Well Type:	**Well Country:**	
Development Well	United States of America	
H2S Present:	**Well State:**	**Well County:**
	Colorado	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	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