HALLIBURTON

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

KP 344-8
KOKOPELLI
Garfield County , Colorado

Cement Surface Casing

07-Sep-2012

Post Job Report

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721	**Ship To #:** 2947428	**Quote #:**	**Sales Order #:** 9766040
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		**Customer Rep:** Valad, Gary	
Well Name: KP	**Well #:** 344-8		**API/UWI #:** 05-045-21209
Field: KOKOPELLI	**City (SAP):** SILT	**County/Parish:** Garfield	**State:** Colorado
Lat: N 39.533 deg. OR N 39 deg. 32 min. 0.312 secs.		**Long:** W 107.567 deg. OR W -108 deg. 25 min. 59.398 secs.	
Contractor: NABORS 574	**Rig/Platform Name/Num:** NABORS 574		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	**Job Type:** Cement Surface Casing		
Sales Person: MAYO, MARK	**Srvc Supervisor:** MUHLESTEIN, RYAN	**MBU ID Emp #:** 453609	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DOUT, JACOB J	8.0	430298	ENGBERG, KEVIN W	8.0	454218	MUHLESTEIN, RYAN Herrick	8.0	453609
RAMSEY, STANTON Michael	8.0	477609	WEAVER, CARLTON Russell	8.0	457698			

Equipment

HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*
10867531	60 mile	10872429	60 mile	10951250	60 mile	10989685	60 mile
11021972	60 mile	11027039	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
9/6/12	4	1	9/7/12	4	4			
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name					
Formation Depth (MD)	**Top**		**Bottom**		
Form Type		**BHST**			
Job depth MD	1456. ft	**Job Depth TVD**	1456. ft		
Water Depth		**Wk Ht Above Floor**	4. ft		
Perforation Depth (MD)	*From*		**To**		

Job Times

	Date	Time	Time Zone
Called Out	06 - Sep - 2012	00:00	MST
On Location	06 - Sep - 2012	20:00	MST
Job Started	07 - Sep - 2012	01:35	MST
Job Completed	07 - Sep - 2012	02:37	GMT
Departed Loc	07 - Sep - 2012	04:00	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 SECTION				13.5				.	1471.		
SURFACE CASING	Unknown		9.625	9.001	32.3		H-40	.	1456.		

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

HALLIBURTON

Cementing Job Summary

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	5.0	
2	Versacem Lead Cement	VERSACEM (TM) SYSTEM (452010)	220.0	sacks	12.3	2.38	13.75	8.0	13.75
	13.75 Gal	FRESH WATER							
3	Versacem Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	8.0	11.75
	11.75 Gal	FRESH WATER							
4	Fresh Water Displacement		111.00	bbl	8.4	.0	.0	8.0	

Calculated Values		Pressures		Volumes					
Displacement	110.8	Shut In: Instant		Lost Returns		*Cement Slurry*	153.4	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	30	Actual Displacement	110.8	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	283

Rates

Circulating	*16*	*Mixing*	8	*Displacement*	8	Avg. Job	8

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***

HALLIBURTON

Cementing Job Log

The Road to Excellence Starts with Safety

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Well Name: KP	**Well #:** 344-8		**API/UWI #:** 05-045-21209
Field: KOKOPELLI	**City (SAP):** SILT	**County/Parish:** Garfield	**State:** Colorado
Legal Description:			
Lat: N 39.533 deg. OR N 39 deg. 32 min. 0.312 secs.		**Long:** W 107.567 deg. OR W -108 deg. 25 min. 59.398 secs.	
Contractor: NABORS 574	**Rig/Platform Name/Num:** NABORS 574		
Job Purpose: Cement Surface Casing			**Ticket Amount:**
Well Type: Development Well	**Job Type:** Cement Surface Casing		
Sales Person: MAYO, MARK	**Srvc Supervisor:** MUHLESTEIN, RYAN		**MBU ID Emp #:** 453609

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	09/06/2012 16:20							
Pre-Convoy Safety Meeting	09/06/2012 17:45							WITH ALL HES PERSONNEL SAFE DRIVING PRACTICES AND TRAVEL ROUTE REVIEWED
Arrive at Location from Service Center	09/06/2012 20:00							RIG PULLING DRILL PIPE
Assessment Of Location Safety Meeting	09/06/2012 23:00							WITH ALL HES PERSONNEL
Pre-Rig Up Safety Meeting	09/06/2012 23:15							WITH ALL HES PERSONNEL
Rig-Up Equipment	09/06/2012 23:30							1 ELITE HT 400 PUMP, 2 660 BULK TRUCKS, 1 F-450 PICK-UP, 1 PLUG CONTAINER, 2" IRON TO STAND PIPE
Circulate Well	09/07/2012 00:25							CASING ON BOTTOM, RIG CIRCULATES USING HES SWAGE AND IRON, CIRC. 1 HR, 16 BPM, 335 PSI. MUD REPORT 9.6 PPG PV 32, YP 26.
Pre-Job Safety Meeting	09/07/2012 01:25							WITH ALL HES PERSONNEL, RIG CREW AND CO REP
Start Job	09/07/2012 01:35	1						TD 1471', TP 1456', FC 1409', SJ 45', OH 13.5", SURFACE CASING 9.625" 32.3# H-40.
Pump Water	09/07/2012 01:36	2	2	2			22.0	FRESH H20, TO PRIME LINES
Test Lines	09/07/2012 01:38	3						HELD 2415 PSI MIN NO LEAKS

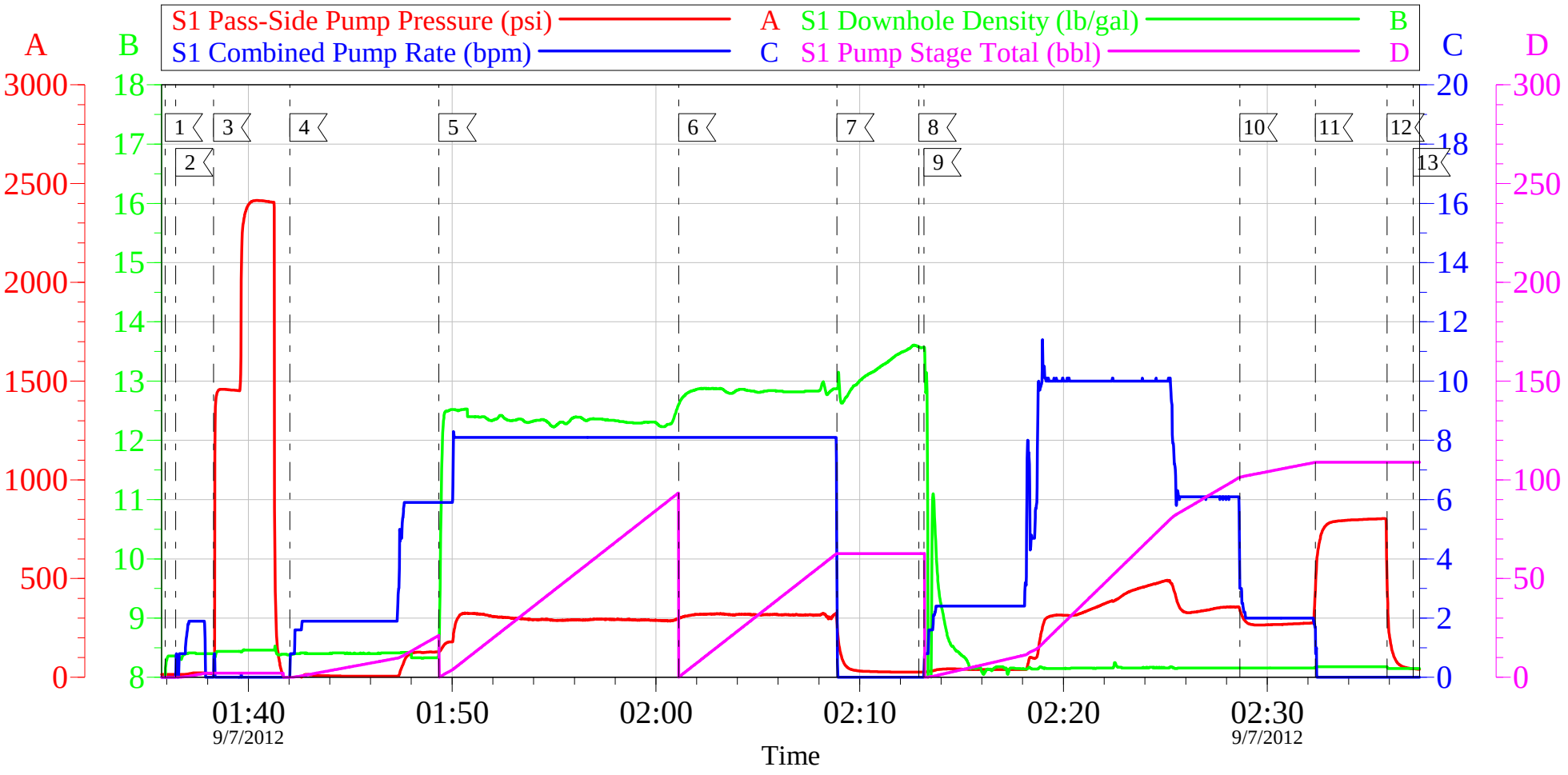
HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 1	09/07/2012 01:42	4	3	20			126.0	FRESH H20
Pump Lead Cement	09/07/2012 01:49	5	8	93.3			322.0	220 SKS 12.3 PPG 2.38 FT3/SK 13.75 GAL/SK WEIGHED VERIFIED VIA MUD SCALES WET AND DRY SAMPLES SUBMITTED
Pump Tail Cement	09/07/2012 02:01	6	8	60.1			320.0	160 SKS 12.8 PPG 2.11 FT3/SK 11.75 GAL/SK WEIGHED VERIFIED VIA MUD SCALES WET AND DRY SAMPLES SUBMITTED
Shutdown	09/07/2012 02:08	7						WASH UP ON TOP OF PLUG
Drop Top Plug	09/07/2012 02:12	8						VERIFY PLUG LAUNCHED
Pump Displacement	09/07/2012 02:13	9	8	110.8			490.0	30 BBLS CEMENT TO SURFACE
Slow Rate	09/07/2012 02:28	10	2	101			275.0	SLOW RATE 10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	09/07/2012 02:32	11	2	110.8			800.0	BUMP PLUG AT280 PSI
Check Floats	09/07/2012 02:35	12						FLOATS HOLDING 1 BBL BACK, GOOD RETURNS THROUGHOUT JOB
End Job	09/07/2012 02:37	13						NO ADD HOURS OR DERRICK CHARGE. 20 LBS SUGAR USED
Pre-Rig Down Safety Meeting	09/07/2012 02:45							WITH ALL HES PERSONNEL
Rig-Down Equipment	09/07/2012 02:50							AREA FREE FROM DEBRIS
Pre-Convoy Safety Meeting	09/07/2012 03:55							WITH ALL HES PERSONNEL
Crew Leave Location	09/07/2012 04:00							THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. RYAN MUHLESTEIN AND CREW

WPX ROCKY MTN - KP 344-8

SURFACE



Local Event Log

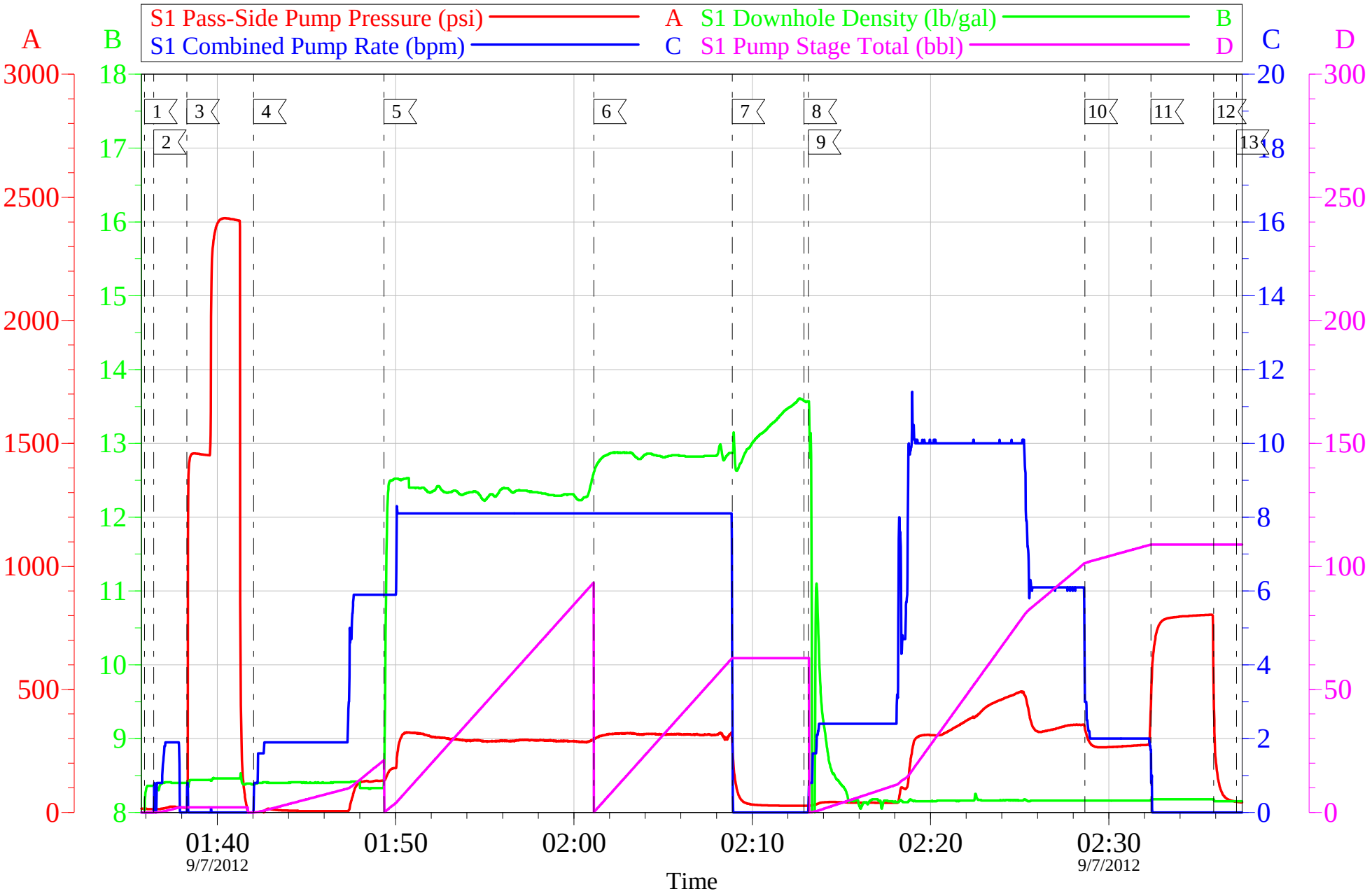
1	START JOB	01:35:55	2	FILL LINES	01:36:26	3	TEST LINES	01:38:18
4	PUMP H2O SPACER	01:42:02	5	PUMP LEAD CEMENT	01:49:21	6	PUMP TAIL CEMENT	02:01:07
7	SHUTDOWN	02:08:53	8	DROP PLUG	02:12:55	9	PUMP DISPLACEMENT	02:13:09
10	SLOW RATE	02:28:40	11	BUMP PLUG	02:32:22	12	CHECK FLOATS	02:35:53
13	END JOB	02:37:10						

Customer:	WPX ROCKY MTN	Job Date:	07-Sep-2012	Sales Order #:	9766040
Well Description:	KP 344-8	Job Type:	SURFACE	ADC Used:	YES
Company Rep:	GARY VALAD	Cement Supervisor:	RYAN MUHLESTEIN	Operator/ Pump	RUSTY WEAVER/ ELITE 7

OptiCem v6.4.10
07-Sep-12 03:02

WPX ROCKY MTN - KP 344-8

SURFACE



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Company Rep:	GARY VALAD	Cement Supervisor:	RYAN MUHLESTEIN	Operator/ Pump	RUSTY WEAVER/ ELITE 7

OptiCem v6.4.10
07-Sep-12 03:02

HALLIBURTON

Water Analysis Report

Company:	WPX	**Date:**	9/7/2012
Submitted by:	RYAN MUHLESTEIN	**Date Rec.:**	9/7/2012
Attention:	J. Trout	**S.O.#**	9766040
Lease	KP	**Job Type:**	SURFACE
Well #	344-8		

Specific Gravity	*MAX*	1	
pH	*8*	7	
Potassium (K)	*5000*	0	Mg / L
Calcium (Ca)	*500*	120	Mg / L
Iron (FE2)	*300*	0	Mg / L
Chlorides (Cl)	*3000*	100	Mg / L
Sulfates (SO_4)	*1500*	below 200	Mg / L
Chlorine (Cl_2)		0	Mg / L
Temp	*40-80*	65	Deg
Total Dissolved Solids		320	Mg / L

Respectfully: RYAN MUHLESTEIN

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

HALLIBURTON

CUSTOMER SURVEY

Sales Order #:	**Line Item:**	**Survey Conducted Date:**
9766040	10	9/7/2012
Customer:		**Job Type (BOM):**
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		CMT SURFACE CASING BOM
Customer Representative:		**API / UWI: (leave blank if unknown)**
GARY VALAD		05-045-21209
Well Name:		**Well Number:**
KP		344-8
Well Type:	**Well Country:**	
Development Well	United States of America	
H2S Present:	**Well State:**	**Well County:**
No	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**	**9/7/2012**
Survey Interviewer	**The survey interviewer is the person who initiated the survey.**	**RYAN MUHLESTEIN (HB21105)**
Customer Participation	**Did the customer partipcipate in this survey? (Y/N)**	**Yes**
Customer Representative	**Enter the Customer representative name**	**GARY VALAD**
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

HALLIBURTON

CUSTOMER SURVEY

Sales Order #:	**Line Item:**	**Survey Conducted Date:**
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Customer:		**Job Type (BOM):**
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		CMT SURFACE CASING BOM
Customer Representative:		**API / UWI: (leave blank if unknown)**
GARY VALAD		05-045-21209
Well Name:		**Well Number:**
KP		344-8
Well Type:	**Well Country:**	
Development Well	United States of America	
H2S Present:	**Well State:**	**Well County:**
No	Colorado	Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	9/7/2012

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.	Deviated
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.	1.25
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

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CUSTOMER SURVEY

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GARY VALAD		05-045-21209
Well Name:		**Well Number:**
KP		344-8
Well Type:	**Well Country:**	
Development Well	United States of America	
H2S Present:	**Well State:**	**Well County:**
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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	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	98
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