

---

**WPX ENERGY ROCKY MOUNTAIN LLC-EBUS**

---

**KP 34-18  
KOKOPELLI  
Garfield County , Colorado**

**Cement Surface Casing**  
**02-Jun-2012**

**Post Job Report**

## The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2929045	Quote #:	Sales Order #: 9537819
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: Valad, Gary		
Well Name: KP	Well #: 34-18	API/UWI #: 05-045-20627	
Field: KOKOPELLI	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Lat: N 39.522 deg. OR N 39 deg. 31 min. 20.309 secs.	Long: W 107.595 deg. OR W -108 deg. 24 min. 19.008 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: TRIPLETT, MICHEAL	MBU ID Emp #: 447908	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
SILVERTHORN, AARON Jacob	0.0	491305	STILLSON, ERIC W	0.0	393789	TRIPLETT, MICHEAL Anthony	0.0	447908

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10001431	60 mile	10567589C	60 mile	10951246	60 mile	11360881	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** Total is the sum of each column separately

### Job

Formation Name	Job	Job Times
Formation Depth (MD)	Top Bottom	Date Time Time Zone
Form Type	BHST	02 - Jun - 2012 00:00 MST
Job depth MD	2910.1 m	02 - Jun - 2012 04:00 MST
Water Depth	Wk Ht Above Floor 13.1 m	02 - Jun - 2012 09:48 MST
Perforation Depth (MD)	From To	02 - Jun - 2012 10:38 MST
		02 - Jun - 2012 11:15 MST

### Well Data

Description	New / Used	Max pressure MPa	Size mm	ID mm	Weight kg/m	Thread	Grade	Top MD m	Bottom MD m	Top TVD m	Bottom TVD m
-------------	------------	------------------	---------	-------	-------------	--------	-------	----------	-------------	-----------	--------------

### Sales/Rental/3<sup>rd</sup> 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			
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

Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density kg/m3	Yield m3/sk	Mix Fluid m3/tonne	Rate m3/min	Total Mix Fluid m3/tonne

Stage/Plug #: 1

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density kg/m3	Yield m3/sk	Mix Fluid m3/tonne	Rate m3/min	Total Mix Fluid m3/tonne
1	Fresh Water		20.00	bbl	8.33	.0	.0	.0	
2	VersaCem Tail	VERSACEM (TM) SYSTEM (452010)	260.0	sacks	12.8	2.11	11.75		11.75
11.75 Gal		FRESH WATER							
3	Displacement Fluid		65.00	bbl	8.34	.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*

<b>Sold To #:</b> 300721		<b>Ship To #:</b> 2929045		<b>Quote #:</b>		<b>Sales Order #:</b> 9537819	
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				<b>Customer Rep:</b> Valad, Gary			
<b>Well Name:</b> KP			<b>Well #:</b> 34-18			<b>API/UWI #:</b> 05-045-20627	
<b>Field:</b> KOKOPELLI		<b>City (SAP):</b> SILT		<b>County/Parish:</b> Garfield		<b>State:</b> Colorado	
<b>Legal Description:</b>							
<b>Lat:</b> N 39.522 deg. OR N 39 deg. 31 min. 20.309 secs.				<b>Long:</b> W 107.595 deg. OR W -108 deg. 24 min. 19.008 secs.			
<b>Contractor:</b> NABORS 574			<b>Rig/Platform Name/Num:</b> NABORS 574				
<b>Job Purpose:</b> Cement Surface Casing						<b>Ticket Amount:</b>	
<b>Well Type:</b> Development Well			<b>Job Type:</b> Cement Surface Casing				
<b>Sales Person:</b> MAYO, MARK			<b>Srv Supervisor:</b> TRIPLETT, MICHEAL			<b>MBU ID Emp #:</b> 447908	

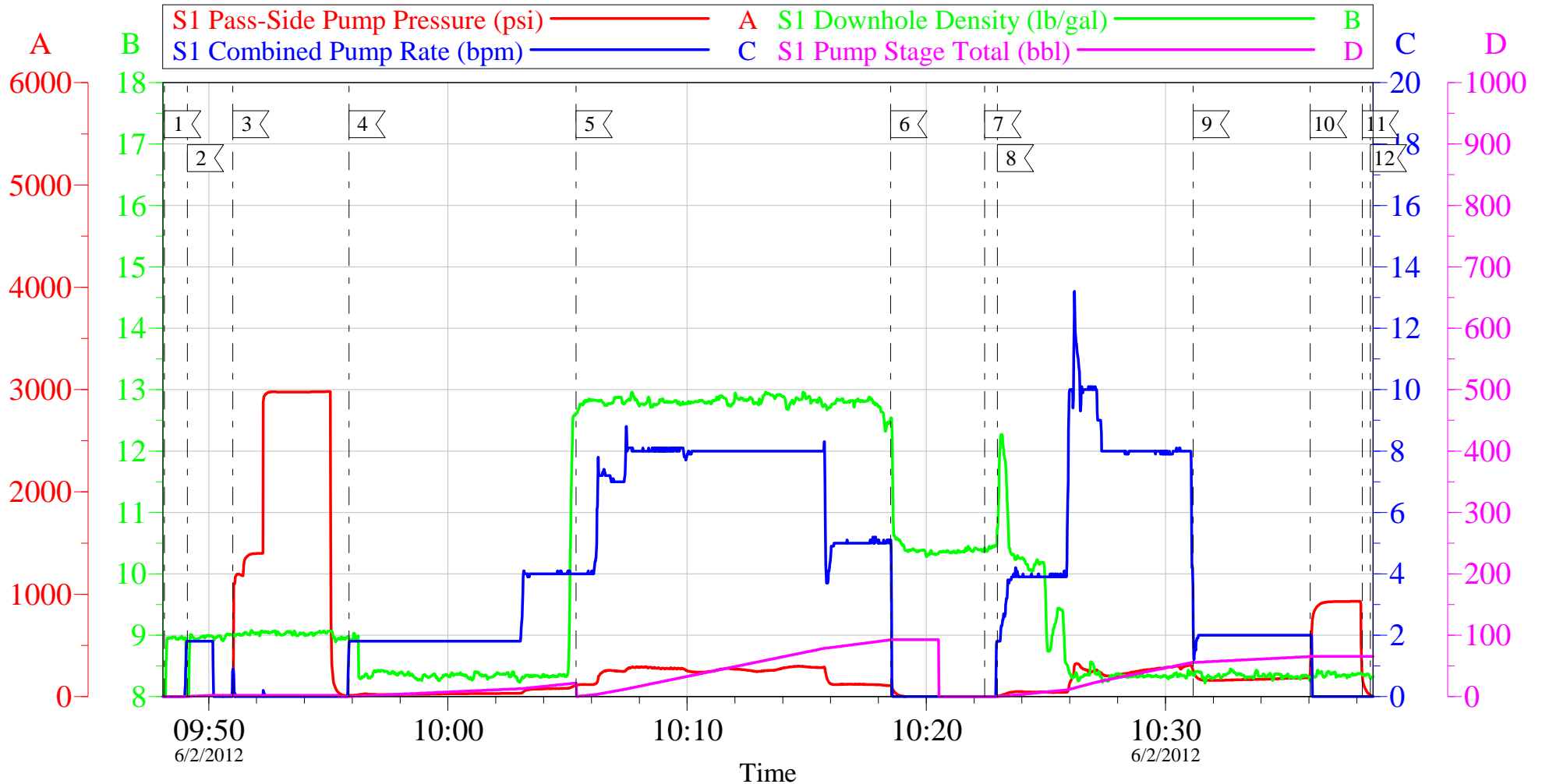
Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Call Out	06/02/2012 00:00							9 5/8 SURFACE, WILLIAMS, NABORS 574, KP 34-18.
Pre-Convoy Safety Meeting	06/02/2012 02:30							ENTIRE CREW, OBSERVE ALL SAFE DRIVING PROCEDURES
Arrive At Loc	06/02/2012 04:00							ARRIVED EARLY. RIG JUST STARTING CASING.
Assessment Of Location Safety Meeting	06/02/2012 04:10							REVIEWED EMERGENCY PLAN, ASSESSED WORK AREA AND SPOTTED EQUIPMENT.
Pre-Rig Up Safety Meeting	06/02/2012 08:30							ENTIRE CREW, WALKED THROUGH RIG UP LOOKING FOR HAZARDS.
Rig-Up Equipment	06/02/2012 08:35							1 PICK UP, 1 HT400 PUMP TRUCK, 1 660 BULK CEMENT TRUCK, 1 QUICK LATCH HEAD WITH PLUG,
Pre-Job Safety Meeting	06/02/2012 09:35							ENTIRE CREW, CO REP AND RIG CREW.
Start Job	06/02/2012 09:48							TD 887' TP 877' SJ 46' FC 831' MW 10.1 PPG, 9 5/8 32.3# CASING IN 13 1/2 HOLE. RIG CIRC APPROX 30 MIN, YP ,PV ,TEMP , GAS UNITS AT SHUTDOWN.
Pump Water	06/02/2012 09:49		2	2			107.0	FILL LINES BEFORE TESTING

Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Pressure Test	06/02/2012 09:51						3000.0	HELD PRESSURE FOR 2 MIN, PRESSURE HELD, NO LEAKS.
Pump Spacer 1	06/02/2012 09:55		4	20			100.0	FRESH WATER, PUMPED AT 2 BPM UNTIL CEMENT TUB UP TO WEIGHT AND WEIGHED WITH SCALES, SPED RATE TO 4 BPM AT 15 BBLs GONE.
Pump Tail Cement	06/02/2012 10:05		8	97.7			280.0	260 SKS VERSACEM, 12.8 PPG, 2.11 CUFT/SK, 11.75 GAL/SK.
Shutdown	06/02/2012 10:18							
Drop Top Plug	06/02/2012 10:22							VARIIFIED PLUG LEFT CONTAINER, WASHED UP ON TOP OF THE PLUG.
Pump Displacement	06/02/2012 10:23		8	65.4			260.0	FRESH WATER, CEMENT TO SURFACE AT 40 BBLs GONE, 20 BBLs OF CEMENT TO SURFACE. USED 40 LBS SUGAR.
Slow Rate	06/02/2012 10:31		2	55.4			190.0	SLOWED RATE TO 2 BPM TO BUMP PLUG.
Bump Plug	06/02/2012 10:34						270.0	PLUG LANDED AT 270 PSI, BUMPED UP TO 980 PSI AND HELD FOR 2 MIN PER CO REP.
Check Floats	06/02/2012 10:36							FLOATS HELD, WHEN RELEASED PRESSURE GOT 1/2 BBL OF WATER BACK TO TRUCK.
End Job	06/02/2012 10:38							GOOD RETURNS THROUGHOUT, DID NOT RECIPROCATATE PIPE. 40 #S OF SUGAR USED. NO ADDITIONAL HOURS.
Post-Job Safety Meeting (Pre Rig-Down)	06/02/2012 10:40							ENTIRE CREW
Rig-Down Equipment	06/02/2012 10:45							

Activity Description	Date/Time	Cht #	Rate m3/ min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Pre-Convoy Safety Meeting	06/02/2012 11:10							ENTIRE CREW, OBSERVE ALL SAFE DRIVING PROCEDURES
Crew Leave Location	06/02/2012 11:15							THANK YOU FOR USING HALLIBURTON, ERIC STILLSON AND CREW.

# WPX - KP - 34-18

9.625" SURFACE



## Local Event Log

1 START JOB	09:48:09	2 FILL LINES	09:49:06	3 PRESSURE TEST	09:51:00
4 START H2O SPACER	09:55:51	5 START TAIL CEMENT	10:05:21	6 SHUTDOWN	10:18:31
7 DROP PLUG	10:22:27	8 START DISPLACEMENT	10:22:58	9 SLOWRATE	10:31:09
10 BUMP PLUG	10:36:04	11 CHECK FLOATS	10:38:14	12 END JOB	10:38:34

Customer: WPX  
Well Description: KP 34-18  
Company Rep: GARY VALAD

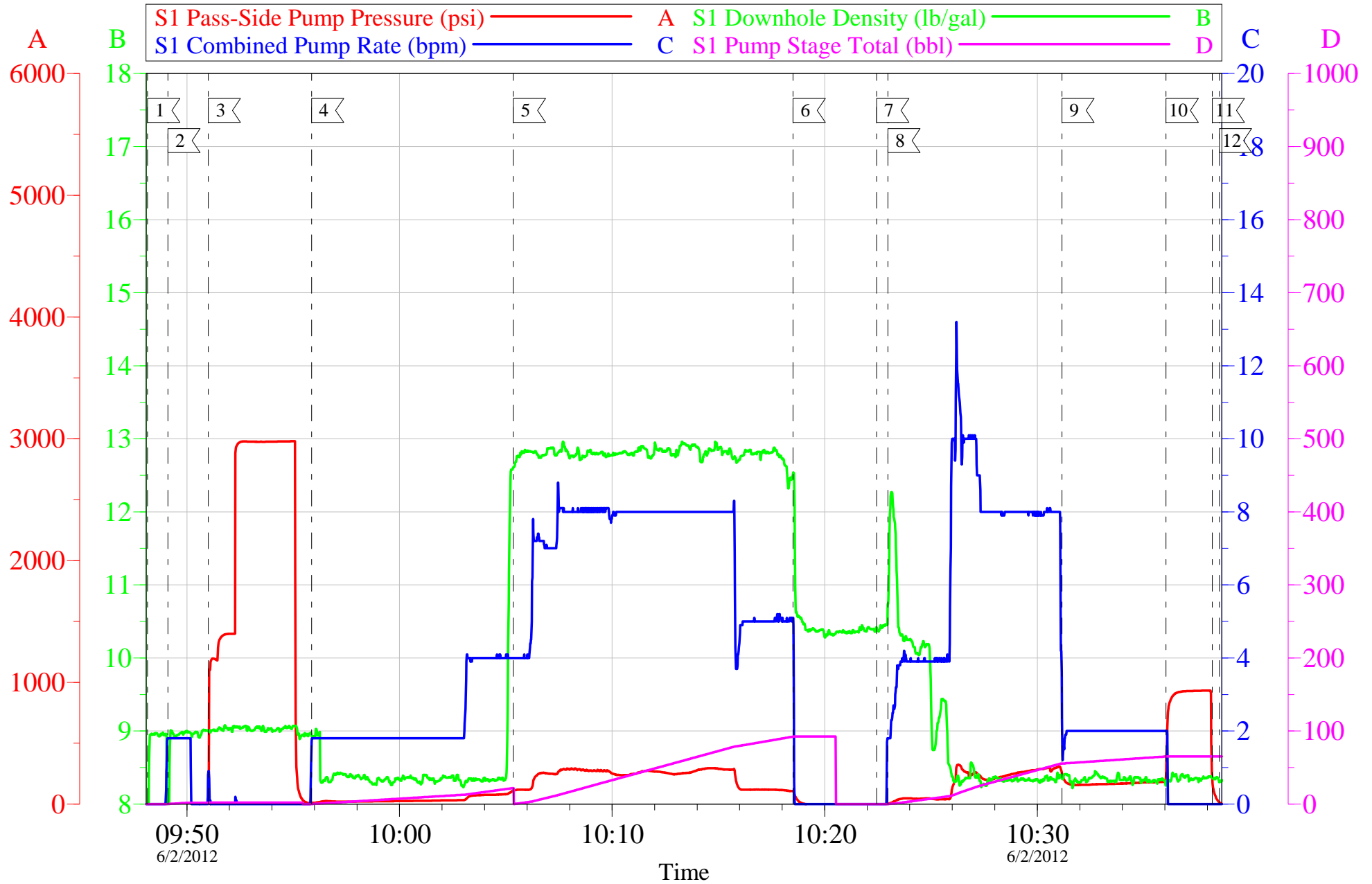
Job Date: 02-Jun-2012  
Job Type: SURFACE  
Cement Supervisor: MIKE TRIPLETT

Sales Order #: 9537819  
ADC Used: YES  
Elite #3: AARON SILVERTHORN

OptiCem v6.4.9  
02-Jun-12 10:39

# WPX - KP - 34-18

9.625" SURFACE



Customer: WPX  
Well Description: KP 34-18  
Company Rep: GARY VALAD

Job Date: 02-Jun-2012  
Job Type: SURFACE  
Cement Supervisor: MIKE TRIPLETT

Sales Order #: 9537819  
ADC Used: YES  
Elite #3: AARON SILVERTHORN

OptiCem v6.4.9  
02-Jun-12 10:40



# HALLIBURTON

## Water Analysis Report

Company: WPX

Submitted by: MIKE TRIPLETT

Attention: LAB

Lease: KP

Well #: 34-18

Date: 6/1/2012

Date Rec.:

S.O.#: 9537819

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	<i>1</i>
pH	<i>8</i>	<i>7</i>
Potassium (K)	<i>5000</i>	<i>200</i> Mg / L
Calcium (Ca)	<i>500</i>	<i>0</i> Mg / L
Iron (FE2)	<i>300</i>	<i>0</i> Mg / L
Chlorides (Cl)	<i>3000</i>	<i>0</i> Mg / L
Sulfates (SO <sub>4</sub> )	<i>1500</i>	<i>&lt;200</i> Mg / L
Chlorine (Cl <sub>2</sub> )		<i>0</i> Mg / L
Temp	<i>40-80</i>	<i>50</i> Deg
Total Dissolved Solids		<i>190</i> Mg / L

Respectfully: MIKE TRIPLETT

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

<b>Sales Order #:</b> 9537819	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 6/2/2012
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> GARY VALAD		<b>API / UWI: (leave blank if unknown)</b> 05-045-20627
<b>Well Name:</b> KP		<b>Well Number:</b> 34-18
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> 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	6/2/2012
Survey Interviewer	The survey interviewer is the person who initiated the survey.	MICHEAL TRIPLETT (HB15721)
Customer Participation	Did the customer participate 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	

<b>CUSTOMER SIGNATURE</b>
---------------------------

<b>Sales Order #:</b> 9537819	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 6/2/2012
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> GARY VALAD		<b>API / UWI: (leave blank if unknown)</b> 05-045-20627
<b>Well Name:</b> KP		<b>Well Number:</b> 34-18
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

### KEY PERFORMANCE INDICATORS

General	
<b>Survey Conducted Date</b> The date the survey was conducted	6/2/2012

Cementing KPI Survey	
<b>Type of Job</b> Select the type of job. (Cementing or Non-Cementing)	0
<b>Select the Maximum Deviation range for this Job</b> What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
<b>Total Operating Time (hours)</b> Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	2
<b>HSE Incident, Accident, Injury</b> HSE Incident, Accident, Injury. This should be recordable incidents only.	No
<b>Was the job purpose achieved?</b> Was the job delivered correctly as per customer agreed design?	Yes
<b>Operating Hours (Pumping Hours)</b> Total number of hours pumping fluid on this job. Enter in decimal format.	1
<b>Customer Non-Productive Rig Time (hrs)</b> 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
<b>Type of Rig Classification Job Was Performed</b> Type Of Rig (classification) Job Was Performed On	Drilling Rig (Portable)
<b>Number Of JSAs Performed</b> Number Of Jsas Performed	7
<b>Number of Unplanned Shutdowns</b> Unplanned shutdown is when injection stops for any period of time.	0
<b>Was this a Primary Cement Job (Yes / No)</b>	Yes

<b>Sales Order #:</b> 9537819	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 6/2/2012
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> GARY VALAD		<b>API / UWI: (leave blank if unknown)</b> 05-045-20627
<b>Well Name:</b> KP		<b>Well Number:</b> 34-18
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
<b>Did We Run Wiper Plugs?</b> Did We Run Top And Bottom Casing Wiper Plugs?	Top
<b>Mixing Density of Job Stayed in Designed Density Range (0-100%)</b> Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	95
<b>Was Automated Density Control Used?</b> Was Automated Density Control (ADC) Used ?	Yes
<b>Pump Rate (percent) of Job Stayed At Designed Pump Rate</b> 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
<b>Nbr of Remedial Sqz Jobs Rqd - Competition</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
<b>Nbr of Remedial Plug Jobs Rqd - HES</b> Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
<b>Nbr of Remedial Sqz Jobs Rqd - HES</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0