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**WPX ENERGY ROCKY MOUNTAIN LLC-EBUS**

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**RGU 424-23-198  
RYAN GULCH  
Rio Blanco County , Colorado**

**Cement Multiple Stages  
16-Apr-2013**

**Post Job Report**

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 300721	<b>Ship To #:</b> 2992635	<b>Quote #:</b>	<b>Sales Order #:</b> 900365929
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Customer Rep:</b> Ragsdale, Ted	
<b>Well Name:</b> RGU		<b>Well #:</b> 424-23-198	<b>API/UWI #:</b>
<b>Field:</b> RYAN GULCH	<b>City (SAP):</b> MEEKER	<b>County/Parish:</b> Rio Blanco	<b>State:</b> Colorado
<b>Contractor:</b> CYCLONE 29		<b>Rig/Platform Name/Num:</b> CYCLONE29	
<b>Job Purpose:</b> Cement Multiple Stages			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Multiple Stages	
<b>Sales Person:</b> MAYO, MARK		<b>Srvc Supervisor:</b> ANDREWS, ANTHONY	<b>MBU ID Emp #:</b> 321604

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANDERSON, ADAM S	18	456683	ANDREWS, ANTHONY Michael	18	321604	BLUST, CHARLES Thomas	18	386662
KEANE, JOHN Donovan	18	486519	LAULAINEN, ROGER	18	524413	PONDER, THOMAS Lynn	18	427112
ROSE, BENJAMIN Keith	18	487022	WILSON, BENJAMIN Wallace	18	533647			

**Equipment**

HES Unit #	Distance-1 way						

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
4/16/13	15	7						
<b>TOTAL</b>	<i>Total is the sum of each column separately</i>							

**Job**

**Job Times**

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					15 - Apr - 2013	21:00	MST
<b>Form Type</b>			BHST	<b>On Location</b>	16 - Apr - 2013	08:00	MST
<b>Job depth MD</b>	3903. ft		<b>Job Depth TVD</b>	3903. ft	<b>Job Started</b>	16 - Apr - 2013	16:40
<b>Water Depth</b>			<b>Wk Ht Above Floor</b>	4. ft	<b>Job Completed</b>	16 - Apr - 2013	20:56
<b>Perforation Depth (MD)</b>	<i>From</i>		<i>To</i>		<b>Departed Loc</b>	17 - Apr - 2013	01:30

**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				1750.	3845.		
OPEN HOLE				14.75				.	1750.		
SURFACE CASING	New		9.625	8.921	36.		I-80	.	3845.		

**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

1	Fresh Water Spacer		40.00	bbl	8.33	.0	.0	.0	
2	VersaCem GJ1 1st Stage Lead	VERSACEM (TM) SYSTEM (452010)	855.0	sacks	12.8	1.77	9.34		9.34
	9.34 Gal	FRESH WATER							
3	VersaCem GJ2 1st Stage tail	VERSACEM (TM) SYSTEM (452010)	310.0	sacks	12.8	1.96	10.95		10.95
	10.95 Gal	FRESH WATER							
4	Displacement		299.00	bbl	8.33	.0	.0	.0	
5	Fresh Water Spacer		20.00	bbl	8.33	.0	.0	.0	
6	VersaCem GJ2 2nd Stage Tail	VERSACEM (TM) SYSTEM (452010)	1055.0	sacks	12.8	1.96	10.95		10.95
	10.95 Gal	FRESH WATER							
7	Displacement		135.00	bbl	8.33	.0	.0	.0	
8	HalCem TopOut	HALCEM (TM) SYSTEM (452986)		sacks	15.8	1.15	4.98		4.98
	4.98 Gal	FRESH WATER							
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	299.5	Shut In: Instant		Lost Returns	Y	Cement Slurry	746	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	145	Actual Displacement	299.5	Treatment	
Frac Gradient		15 Min		Spacers	55	Load and Breakdown		Total Job	1103.5
<b>Rates</b>									
Circulating	RIG	Mixing	7	Displacement	8-4-2	Avg. Job	6		
Cement Left In Pipe	Amount	29.57 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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<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Customer Rep:</b> Ragsdale, Ted	
<b>Well Name:</b> RGU		<b>Well #:</b> 424-23-198	<b>API/UWI #:</b>
<b>Field:</b> RYAN GULCH	<b>City (SAP):</b> MEEKER	<b>County/Parish:</b> Rio Blanco	<b>State:</b> Colorado
<b>Legal Description:</b>			
<b>Lat:</b>		<b>Long:</b>	
<b>Contractor:</b> CYCLONE 29		<b>Rig/Platform Name/Num:</b> CYCLONE29	
<b>Job Purpose:</b> Cement Multiple Stages			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Multiple Stages	
<b>Sales Person:</b> MAYO, MARK		<b>Srv Supervisor:</b> ANDREWS, ANTHONY	<b>MBU ID Emp #:</b> 321604

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	04/15/2013 21:00							
Pre-Convoy Safety Meeting	04/16/2013 01:00							
Crew Leave Yard	04/16/2013 01:05							
Pre-Convoy Safety Meeting	04/16/2013 01:25							
Crew Leave Location	04/16/2013 01:30							THANK YOU FOR CHOOSING HALLIBURTON CEMENTING OF GRAND JUNCTION, COLORADO ANTHONY ANDREWS AND CREW
Arrive At Loc	04/16/2013 07:00							CEMENTER, PUMP TRUCK AND 1ST STAGE CEMENT ARRIVED TO LOCATION @ 0700 4/16/13. 2ND STAGE CEMENT ARRIVED @ 1300 4/16/13. CUSTOMER WANTED TO WAIT UNTIL ALL CEMENT WAS ON LOCATION BEFORE STARTING JOB. RIG CIRCULATED ON BOTTOM APPROX 2 HRS.
Assessment Of Location Safety Meeting	04/16/2013 07:15							

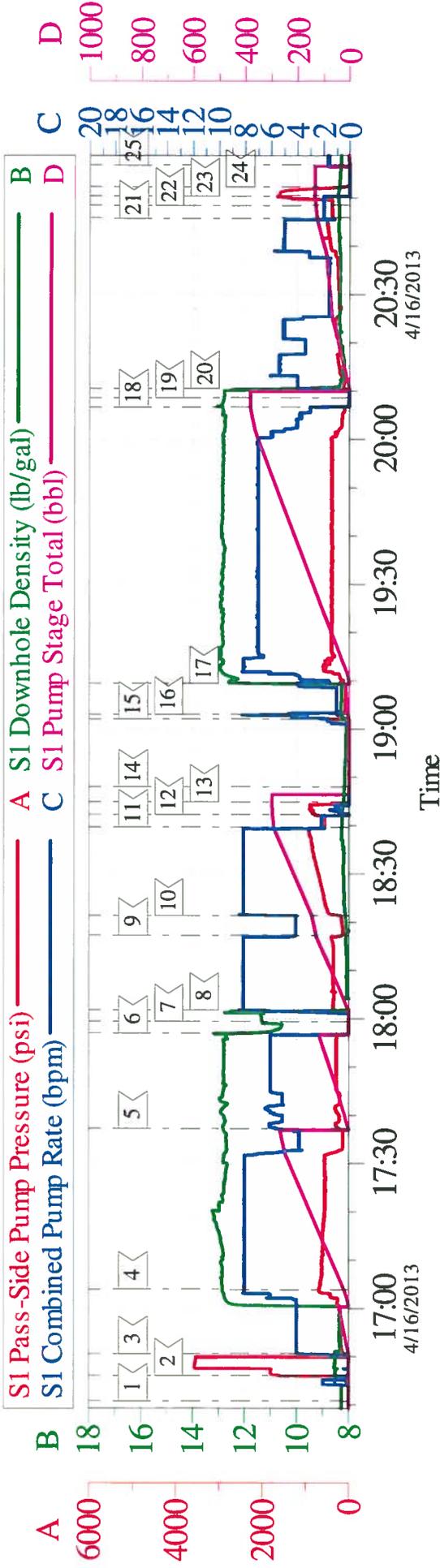
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Other	04/16/2013 14:10							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	04/16/2013 14:15							
Rig-Up Equipment	04/16/2013 14:30							
Pre-Job Safety Meeting	04/16/2013 16:15							
Start Job	04/16/2013 16:40							TD: 3910 TP: 3903 SJ: 29.57 MW: 9.5 PPG DV TOOL @ 1750' 9 5/8" 36# AND 40#/FT (9 JTS 40# AT BOTTOM OF STRING) IN 14 3/4" OH (TO 1700 FT) AND 13 1/2" OH (1700-TD)
Test Lines	04/16/2013 16:46							3500 PSI TEST
Pump Spacer	04/16/2013 16:50		4	40			137.0	FRESH H2O SPACER
Pump 1st Stage Lead Slurry	04/16/2013 17:03		8	269.5			681.0	855 SKS @ 12.8 PPG 1.77 YLD 9.34 GAL/SK H2O
Pump 1st Stage Tail Slurry	04/16/2013 17:37		7	108.2			239.0	310 SKS @ 12.8 PPG 1.96 YLD 10.95 GAL/SK H2O
Shutdown	04/16/2013 17:57							
Drop Plug	04/16/2013 17:59							
Pump Displacement	04/16/2013 18:01		8		299.5		312.0	FRESH H2O DISPLACEMENT
Slow Rate	04/16/2013 18:17		4	125			167.0	SLOW RATE 10 BBLS PRIOR TO PASSING SHUTOFF PLUG THROUGH MSC
Bump Plug	04/16/2013 18:21		2		299.5		793.0	SHUTOFF PLUG BUMPED AT CALCULATED DISPLACEMENT
Resume	04/16/2013 18:21		8	145			191.0	RESUME RATE 10 BBLS AFTER SHUTOFF PLUG PASSED THROUGH MSC
Slow Rate	04/16/2013 18:39		2	290			576.0	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Check Floats	04/16/2013 18:44							FLOATS HELD
Drop Opening Device For Multiple Stage Cementer	04/16/2013 18:48							DROP OPENING DEVICE, WAIT 15 MINUTES
Open Multiple Stage Cementer	04/16/2013 19:02							PRESSURED UP TO 630 PSI TO OPEN TOOL, TOOL OPENED SUCCESSFULLY
Pump Spacer	04/16/2013 19:03		2	15			235.0	FRESH H2O SPACER
Pump 2nd Stage Tail Slurry	04/16/2013 19:09		7	368.3			195.0	1055 SKS @ 12.8 PPG 1.96 YLD 10.95 GAL/SK H2O
Shutdown	04/16/2013 20:06							
Drop Plug	04/16/2013 20:08							DROP CLOSING PLUG FOR MSC
Pump Displacement	04/16/2013 20:10		5		135.3		124.0	FRESH H2O DISPLACEMENT. TO ACCOMODATE FOR VAC TRUCKS PULLING RETURNS OUT OF CELLAR WE HAD TO ADJUST OUR RATE NUMEROUS TIMES.
Slow Rate	04/16/2013 20:45		2	125			406.0	
Bump Plug	04/16/2013 20:48		2	135.3			1656.0	CLOSING PLUG BUMPED AT CALCULATEED DISPLACEMENT
Close Multiple Stage Cementer	04/16/2013 20:50							PRESSURE UP TO 1656 PSI
Check Floats	04/16/2013 20:52							CHECK TO ENSURE MSC WAS CLOSED, MSC CLOSED PROPERLY
End Job	04/16/2013 20:56							
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Post-Job Safety Meeting (Pre Rig-Down)	04/16/2013 22:55							USED 50 LBS SUGAR. NO ADD HOURS CHARGED. PIPE WAS LEFT STATIC THROUGHOUT JOB. PLUGS BUMPED AT CALCULATED DISPLACEMENT, MSC OPERATED PROPERLY. CIRCULATED 145 BBLS CEMENT TO SURFACE. (CMT RETURNS WERE USED TO TOP OUT FEDERAL RGU 314-23-198.)
Rig-Down Equipment	04/16/2013 23:00							RETURNS WERE FAIR/GOOD THROUGHOUT JOB. LOST AN APPROX 170 BBLS OF VOLUME TO THE ANNULUS ON THE 1ST STAGE. NO LOSSES ON 2ND STAGE. TOPOUT TRUCK WAS DELIVERED TO LOCATION, NO TOPOUT CMT WAS USED.

# WPX - RGU 424-23-198

2 STAGE 9 5/8" SURFACE



Local Event Log			
Intersection	SPPP	Intersection	SPPP
1 START JOB	16:40:52 -2.000	2 TEST LINES	16:46:05 1622
3 PUMP H2O SPACER	16:50:37 55.18	4 PUMP LEAD CEMENT	17:03:57 681.2
5 PUMP TAIL CEMENT	17:37:18 239.2	6 SHUTDOWN	17:57:04 3.970
7 DROP SHUTOFF PLUG	17:59:28 -13.78	8 PUMP DISPLACEMENT	18:01:50 312.1
9 SLOW RATE	18:17:18 167.5	10 RESUME RATE	18:21:22 191.1
11 SLOW RATE	18:39:44 576.9	12 BUMP PLUG	18:42:19 793.0
13 CHECK FLOATS	18:44:57 16.41	14 DROP OPENING DEVICE	18:48:04 -11.00
15 OPEN DV TOOL	19:02:05 630.2	16 PUMP SPACER	19:03:05 235.8
17 PUMP 2ND STAGE CEMENT	19:09:28 195.9	18 SHUTDOWN	20:06:42 110.9
19 DROP CLOSING PLUG	20:08:36 10.000	20 PUMP DISPLACEMENT	20:10:30 124.6
21 SLOW RATE	20:45:53 406.1	22 BUMP PLUG	20:48:30 414.1
23 CLOSE DV TOOL	20:50:24 1656	24 CHECK FLOATS	20:52:18 82.31
25 END JOB	20:56:49 -10.000		

Customer: WPX	Job Date: 16-Apr-2013	Sales Order #: 900365929
Well Description: RGU 424-23-198	Job Type: 2 STAGE SURFACE	ADC Used: YES
Company Rep: TED RAGSDALE	Cement Supervisor: ANTHONY ANDREWS	Elite #: ADAM ANDERSON

<b>Sales Order #:</b> 900365929	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 4/18/2013
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT MULTIPLE STAGES BOM
<b>Customer Representative:</b> TED RAGSDALE		<b>API / UWI: (leave blank if unknown)</b> AFEYCPNAKEKMTEIRAAA
<b>Well Name:</b> RGU		<b>Well Number:</b> 424-23-198
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<b>Well State:</b> Colorado	<b>Well County:</b> Rio Blanco

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	4/18/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	ANTHONY ANDREWS (HAM3833)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	TED RAGSDALE
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	JOB WENT WELL THANKS, SEVERE COLD AND SNOW CONDITIONS ON LOCATION GREAT JOB

<b>CUSTOMER SIGNATURE</b>
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<b>Sales Order #:</b> 900365929	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 4/18/2013
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT MULTIPLE STAGES BOM
<b>Customer Representative:</b> TED RAGSDALE		<b>API / UWI: (leave blank if unknown)</b> AFEYCPNAKEKMTEIRAAA
<b>Well Name:</b> RGU		<b>Well Number:</b> 424-23-198
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<b>Well State:</b> Colorado	<b>Well County:</b> Rio Blanco

### KEY PERFORMANCE INDICATORS

General	
<b>Survey Conducted Date</b>	4/18/2013
The date the survey was conducted	

Cementing KPI Survey	
<b>Type of Job</b>	0
Select the type of job. (Cementing or Non-Cementing)	
<b>Select the Maximum Deviation range for this Job</b>	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
<b>Total Operating Time (hours)</b>	7
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
<b>HSE Incident, Accident, Injury</b>	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
<b>Was the job purpose achieved?</b>	Yes
Was the job delivered correctly as per customer agreed design?	
<b>Operating Hours (Pumping Hours)</b>	4
Total number of hours pumping fluid on this job. Enter in decimal format.	
<b>Customer Non-Productive Rig Time (hrs)</b>	0
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.	
<b>Type of Rig Classification Job Was Performed</b>	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
<b>Number Of JSAs Performed</b>	7
Number Of Jsas Performed	
<b>Number of Unplanned Shutdowns</b>	0
Unplanned shutdown is when injection stops for any period of time.	
<b>Was this a Primary Cement Job (Yes / No)</b>	Yes

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<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT MULTIPLE STAGES BOM
<b>Customer Representative:</b> TED RAGSDALE		<b>API / UWI: (leave blank if unknown)</b> AFEYCPNAKEKMTEIRAAA
<b>Well Name:</b> RGU		<b>Well Number:</b> 424-23-198
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<b>Well State:</b> Colorado	<b>Well County:</b> Rio Blanco

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?	Both
<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	90
<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	90
<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