

HALLIBURTON

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**SG 34-23
GRAND VALLEY
Garfield County , Colorado**

**Cement Surface Casing
12-Feb-2013**

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2980354	Quote #:	Sales Order #: 900211298
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: Duniho, Al		
Well Name: SG	Well #: 34-23	API/UWI #: 05-045-21683	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.419 deg. OR N 39 deg. 25 min. 8.551 secs.	Long: W 108.07 deg. OR W -109 deg. 55 min. 46.261 secs.		
Contractor: CYCLONE 17	Rig/Platform Name/Num: CYCLONE 17		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: MAYO, MARK	Srv Supervisor: KUKUS, CRAIG	MBU ID Emp #: 369124	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
GOWEN, WESLEY M	7	496205	KAMMEIER, CHRISTOPHER Michael	7	524554	KUKUS, CRAIG A	7	369124
WADE, LOGAN D	7	488896						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10616651C	60 mile	10784064	60 mile	11006314	60 mile	11583931	60 mile
11808827	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
2/11/13	1	0	2/12/13	6	3			

TOTAL Total is the sum of each column separately

Job

Formation Name					Date				Time		Time Zone				
Formation Depth (MD)		Top		Bottom		Called Out		11 - Feb - 2013		17:30		MST			
Form Type		BHST				On Location		11 - Feb - 2013		22:00		MST			
Job depth MD		1098. ft		Job Depth TVD		1098. ft		Job Started		12 - Feb - 2013		04:18		MST	
Water Depth				Wk Ht Above Floor		4. ft		Job Completed		12 - Feb - 2013		05:11		MST	
Perforation Depth (MD)		From		To		Departed Loc		12 - Feb - 2013		06:15		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
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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 5/8	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9 5/8	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

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water Spacer		20.00	bbl	.	.0	.0	4	
2	Tail Cement	VERSACEM (TM) SYSTEM (452010)	290.0	sacks	12.8	2.11	11.75	6.5	11.75
3	Fresh Water Displacement		81.00	bbl	8.33	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	81.6	Shut In: Instant		Lost Returns	0	Cement Slurry	109	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	20	Actual Displacement	81	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	214
Rates									
Circulating	RIG	Mixing	6.5	Displacement	10	Avg. Job	8		
Cement Left In Pipe	Amount	47.7 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

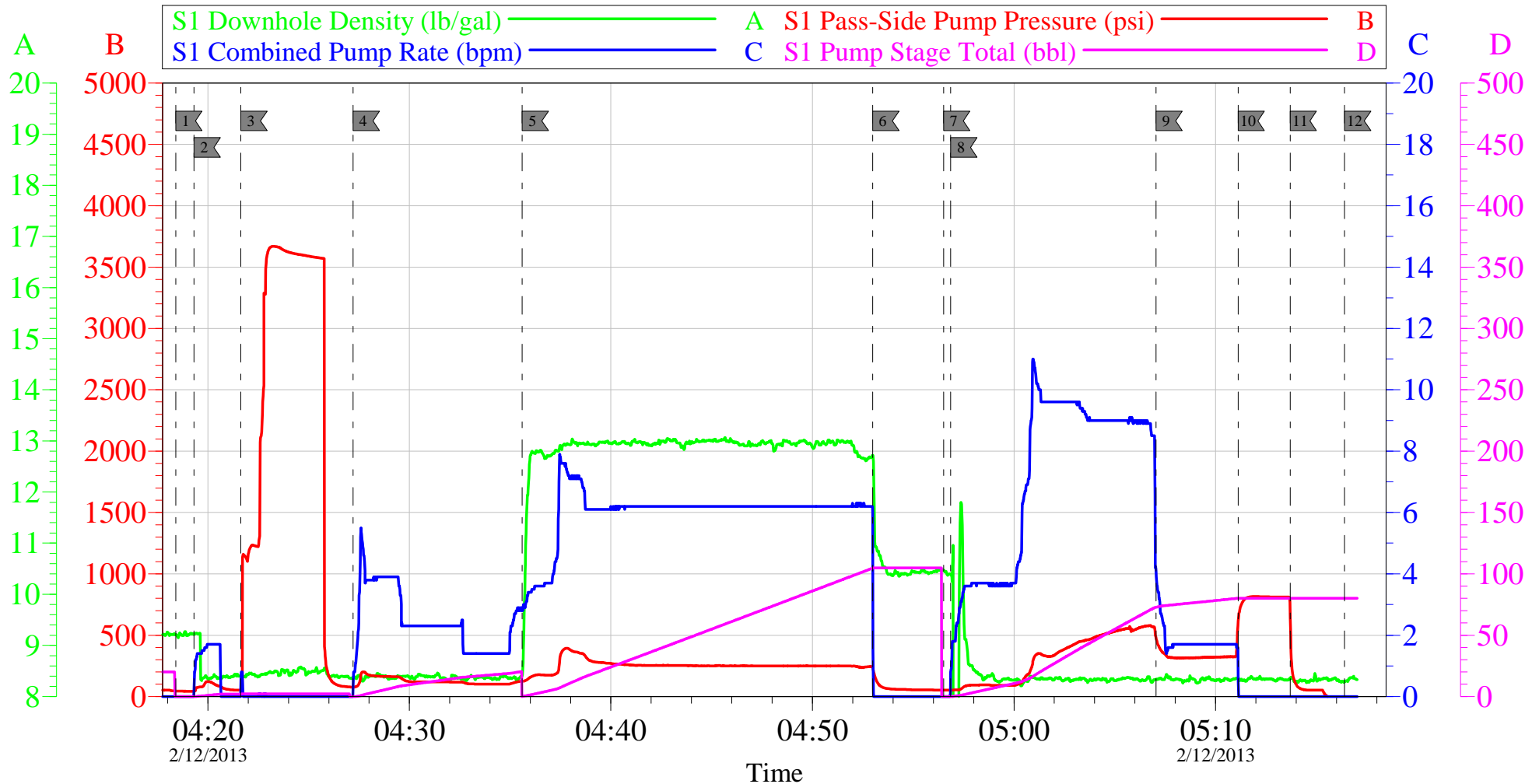
Sold To #: 300721		Ship To #: 2980354		Quote #:		Sales Order #: 900211298	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Dunihoo, Al			
Well Name: SG			Well #: 34-23			API/UWI #: 05-045-21683	
Field: GRAND VALLEY		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39.419 deg. OR N 39 deg. 25 min. 8.551 secs.				Long: W 108.07 deg. OR W -109 deg. 55 min. 46.261 secs.			
Contractor: CYCLONE 17			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: KUKUS, CRAIG			MBU ID Emp #: 369124	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	02/11/2013 17:30							
Depart Yard Safety Meeting	02/11/2013 21:00							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Arrive At Loc	02/11/2013 22:30							RIG STILL IN HOLE / STARTING TO POOH DP
Assessment Of Location Safety Meeting	02/11/2013 22:35							ASSESSMENT OF LOCATION INVOLVING THE ENTIRE CMT CREW
Pre-Rig Up Safety Meeting	02/12/2013 02:25							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Rig-Up Equipment	02/12/2013 02:30							RIG UP IRON TO STAND PIPE AREA / RIG UP SUCTION HOSE TO FRESH WATER SUPPLY
Circulate Well	02/12/2013 03:00							RIG
Pre-Job Safety Meeting	02/12/2013 04:00							SAFETY MEETING INVOLVING EVERYONE ON LOCATION
Start Job	02/12/2013 04:18							TD 1098 FT TP 1082.51 FT PIPE 9 5/8 IN H-40 32.3# SJT 47.70 FT OH 13.5 IN WF WT 9.8#
Other	02/12/2013 04:19		2	2			98.0	PRIME LINES WITH FRESH WATER
Pressure Test	02/12/2013 04:21		0.5			3500.0		PRESSURE TEST GOOD

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 1	02/12/2013 04:27		4	20			161.0	FRESH WATER SPACER
Pump Tail Cement	02/12/2013 04:35		6.5	108.9			396.0	PUMP 290 SKS TAIL CEMENT AT 12.8 PPG 2.11 Y 11.75 GAL/SKS
Shutdown	02/12/2013 04:52							SHUT DOWN / END CEMENT / READY TUB TO WASH ON TOP OF PLUG
Drop Top Plug	02/12/2013 04:56							PLUG LEFT THE PLUG CONTAINER
Pump Displacement	02/12/2013 04:56		10	81.6			510.0	PUMP FRESH WATER DISPLACEMENT
Slow Rate	02/12/2013 05:07		2	71			338.0	SLOW RATE LAST 10 BBLS TO 2 BBLS MIN
Bump Plug	02/12/2013 05:11		2	81.2			829.0	PLUG LANDED AT 340 PSI
Check Floats	02/12/2013 05:13							FLOATS HELD / GOT 1/2 BBL BACK TO TANK
End Job	02/12/2013 05:16							HAD GOOD RETURNS THRU OUT THE JOB / CEMENT TO SURFACE TOTAL 20 BBLS
Pre-Rig Down Safety Meeting	02/12/2013 05:18							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Rig-Down Equipment	02/12/2013 05:22							RIG FLOOR DOWN / BLOW DOWN LINES AND RIG DOWN / CLEAN UP AND BLOW TRUCK DOWN
Safety Meeting - Departing Location	02/12/2013 06:10							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Comment	02/12/2013 06:15							THANK YOU FOR USING HALLIBURTON, CRAIG KUKUS AND CREW

WPX ENERGY SG 34-23

SURFACE JOB CYCLONE 17



Local Event Log

1 START JOB	04:18:24	2 PRIME LINES	04:19:19	3 PRESSURE TEST LINES	04:21:38
4 PUMP H2O SPACER	04:27:12	5 PUMP TAIL CEMENT	04:35:35	6 SHUT DOWN END CEMENT	04:52:59
7 DROP TOP PLUG	04:56:30	8 PUMP H2O DISPLACEMENT	04:56:51	9 SLOW RATE	05:07:03
10 BUMP PLUG	05:11:07	11 CHECK FLOATS	05:13:42	12 END JOB	05:16:24

Customer: **WPX ENERGY**
 Well Description: **SG 34-23**
 Company Rep: **AL DUNIHO**

Job Date: **12-Feb-2013**
 Job Type: **SURFACE**
 Cement Supervisor: **CRAIG KUKUS**

Sales Order #: **900211298**
 ADC Used: **YES**
 Elite #/Operator: **E 4 LOGAN WADE**

HALLIBURTON
 OptiCem v6.4.8
 12-Feb-13 05:35

Sales Order #: 900211298	Line Item: 10	Survey Conducted Date: 2/12/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNNIHOO		API / UWI: (leave blank if unknown) 05-045-21683
Well Name: SG		Well Number: 34-23
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: 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	2/12/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CRAIG KUKUS (HX19742)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	AL DUNNIHOO
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 MEN !

CUSTOMER SIGNATURE

Sales Order #: 900211298	Line Item: 10	Survey Conducted Date: 2/12/2013
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Well Name: SG		Well Number: 34-23
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	2/12/2013

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.	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.	1.5
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 Representative: AL DUNNIHOO		API / UWI: (leave blank if unknown) 05-045-21683
Well Name: SG		Well Number: 34-23
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: 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 cement 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