
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**SG 334-27
SOUTH GRAND VALLEY
Garfield County , Colorado**

Cement Surface Casing
30-May-2012

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 2929114		Quote #:		Sales Order #: 9538837	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Dunihoo, Al			
Well Name: SG			Well #: 334-27			API/UWI #:	
Field: SOUTH GRAND VALLEY		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Contractor: NABORS 573			Rig/Platform Name/Num: NABORS 573				
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	11.5	487782	GOWEN, WESLEY M	11.5	496205	KUKUS, CARLTON Dean	11.5	458577
SLAUGHTER, JESSE Dean	11.5	454315						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10011429	60 mile	10551730C	60 mile	10565341	60 mile	10973571	60 mile
11259881	60 mile	11808841	60 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
5-30-2012	11.5	3						

TOTAL	Total is the sum of each column separately							
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Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	29 - May - 2012	23:00	MST
Form Type		BHST	Job Started	30 - May - 2012	01:30	MST
Job depth MD	1229.8 ft	Job Depth TVD	Job Completed	30 - May - 2012	09:55	MST
Water Depth		Wk Ht Above Floor	Departed Loc	30 - May - 2012	11:04	MST
Perforation Depth (MD)	From	To		30 - May - 2012	13:00	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
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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	

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									
1	Fresh Water	FRESH WATER	20.00	bbl	8.33	.0	.0	4	
2	VersaCem Lead	VERSACEM (TM) SYSTEM (452010)	180.0	sacks	12.3	2.38	13.75	8	13.75
	13.75 Gal	FRESH WATER							
3	VersaCem Tail	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	8	11.75
	11.75 Gal	FRESH WATER							
4	Displacement Fluid	FRESH WATER	92.3	bbl	8.34	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	92.3	Shut In: Instant		Lost Returns	NO	Cement Slurry	136	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	30	Actual Displacement	92.3	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	250
Rates									
Circulating		Mixing	8	Displacement	10	Avg. Job			9
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

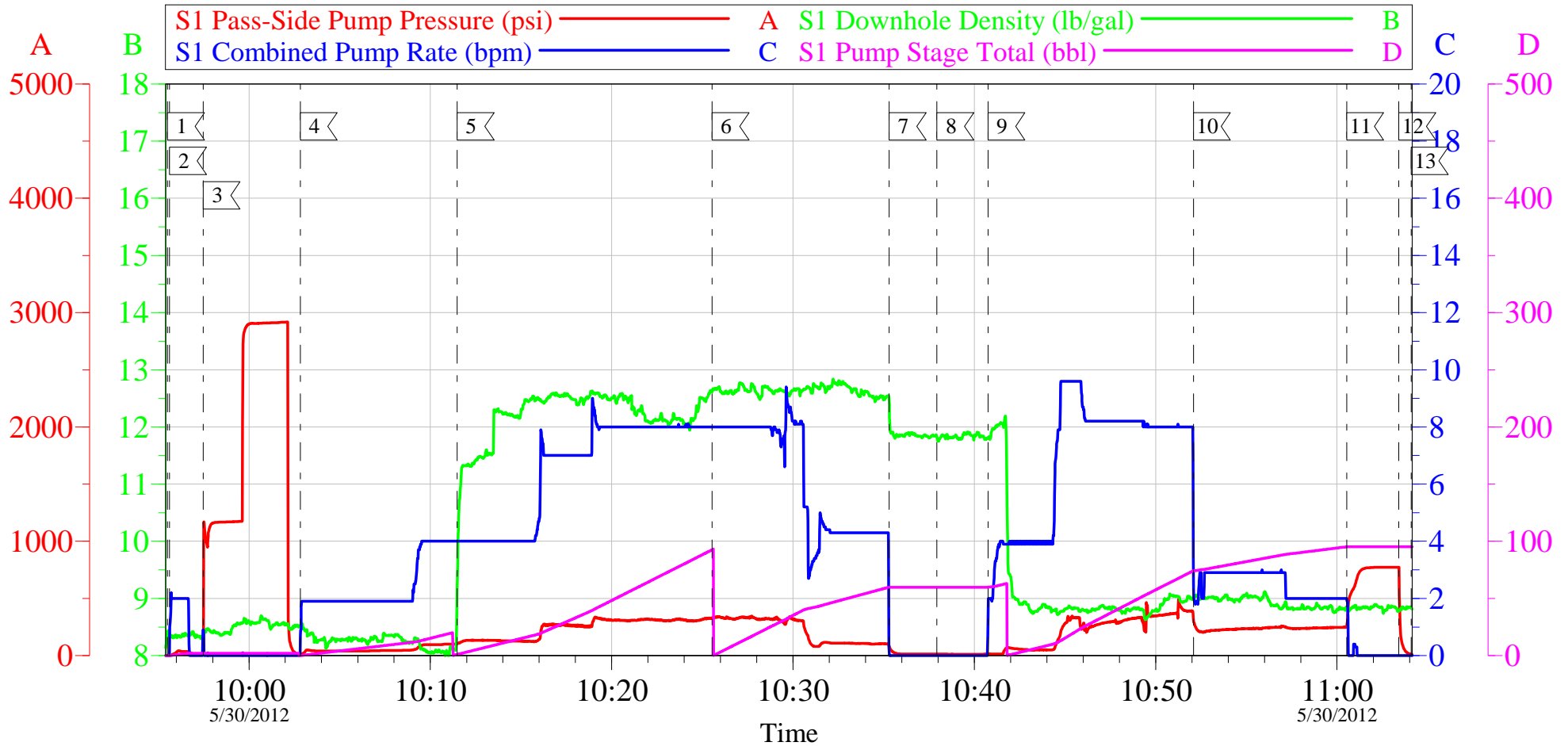
Sold To #: 300721		Ship To #: 2929114		Quote #:		Sales Order #: 9538837	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Dunihoo, Al			
Well Name: SG			Well #: 334-27			API/UWI #:	
Field: SOUTH GRAND VALLEY		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat:				Long:			
Contractor: NABORS 573			Rig/Platform Name/Num: NABORS 573				
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	05/29/2012 23:00							TD 1240 FT, TP 1229.8 FT, SHOE 46.16 FT, CSG 9 5/8 IN 32.3 LB/FT, HOLE 13 1/2 IN, MUD WT 10.2 PPG
Pre-Convoy Safety Meeting	05/29/2012 23:50							WITH ALL HES PERSONNEL
Crew Leave Yard	05/30/2012 00:00							
Arrive At Loc	05/30/2012 01:30							RIG WAS PULLING DRILL PIPE UPON HES ARRIVAL
Assessment Of Location Safety Meeting	05/30/2012 08:00							WITH ALL HES PERSONNEL
Other	05/30/2012 08:10							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	05/30/2012 08:20							WITH ALL HES PERSONNEL
Rig-Up Equipment	05/30/2012 08:30							
Pre-Job Safety Meeting	05/30/2012 09:45							WITH ALL PERSONNEL ON LOCATION
Start Job	05/30/2012 09:55							
Other	05/30/2012 09:55		2	2			34.0	FILL LINES WITH FRESH WATER
Test Lines	05/30/2012 09:57							TESTED LINES TO 2909 PSI PRESSURE HOLDING
Pump Spacer 1	05/30/2012 10:02		4	20			100.0	FRESH WATER
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Pump Lead Cement	05/30/2012 10:11		8	76.3			335.0	180 SKS AT 12.3 PPG, 2.38 FT3/SK, 13.75 GAL/SK. DENSITY FLUCTUATION DUE TO DENSOMETER ISSUES HES WEIGHED TUB MULTIPLE TIMES TO ENSURE THE PROPER WEIGHT OF SLURRY
Pump Tail Cement	05/30/2012 10:25		8	60.1			340.0	160 SKS AT 12.8 PPG, 2.11 FT3/SK, 11.75 GAL/SK
Shutdown	05/30/2012 10:35							
Drop Top Plug	05/30/2012 10:37							PLUG LAUNCHED
Pump Displacement	05/30/2012 10:40		10	73.2			360.0	FRESH WATER
Slow Rate	05/30/2012 10:52		2	20			245.0	SLOW RATE 10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	05/30/2012 11:00		2		93.2		765.0	PLUG BUMPED
Check Floats	05/30/2012 11:03							FLOATS HOLDING. HES RETURNED 1/2 BBL H2O TO PUMP
End Job	05/30/2012 11:04							PIPE WAS STATIC DURING JOB, GOOD CIRCULATION THROUGHOUT JOB. HES RETURNED 30 BBL CEMENT TO SURFACE
Pre-Rig Down Safety Meeting	05/30/2012 11:10							WITH ALL HES PERSONNEL
Rig-Down Equipment	05/30/2012 11:15							
Pre-Convoy Safety Meeting	05/30/2012 12:50							WITH ALL HES PERSONNEL
Crew Leave Location	05/30/2012 13:00							
Comment	05/30/2012 13:01							THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JESSE SLAUGHTER AND CREW.

WILLIAMS SG 334-27

9 5/8 SURFACE



Local Event Log

1 START JOB	09:55:30	2 PRIME LINES	09:55:37	3 TEST LINES	09:57:28
4 PUMP H2O SPACER	10:02:50	5 PUMP LEAD CEMENT	10:11:29	6 PUMP TAIL CEMENT	10:25:32
7 SHUTDOWN	10:35:18	8 DROP TOP PLUG	10:37:56	9 PUMP DISPLACEMENT	10:40:45
10 SLOW RATE	10:52:05	11 BUMP PLUG	11:00:32	12 CHECK FLOATS	11:03:24
13 END JOB	11:04:06				

Customer: WILLIAMS
Well Description: SG 334-27
Customer Rep: AL DUNIHO

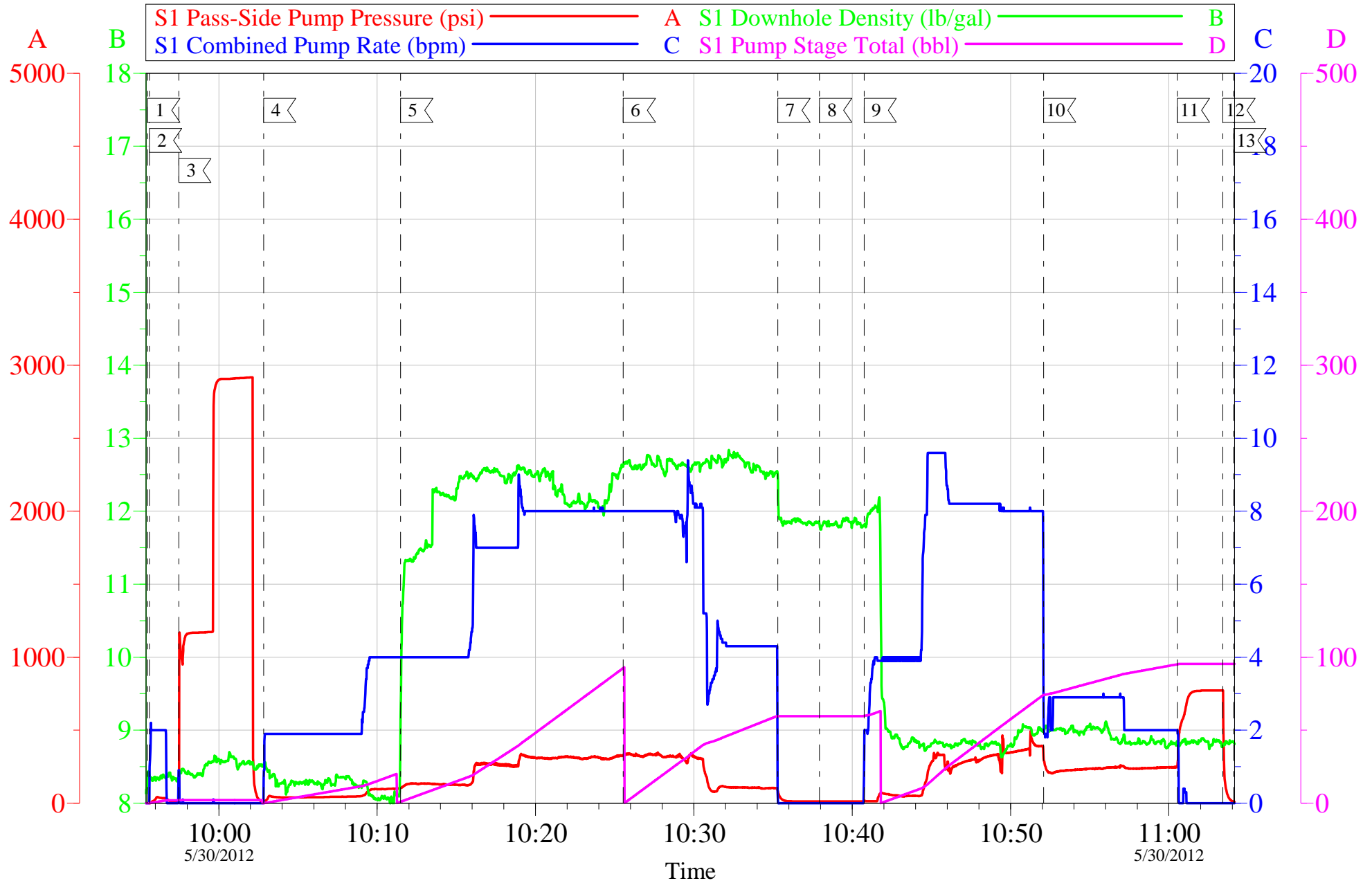
Job Date: 30-May-2012
Job Type: SURFACE
Cement Supervisor: JESSE SLAUGHTER

Sales Order #: 9538837
ADC Used: YES
Elite #2: WESLEY GOWEN

OptiCem v6.4.10
30-May-12 11:16

WILLIAMS SG 334-27

9 5/8 SURFACE



Customer: WILLIAMS	Job Date: 30-May-2012	Sales Order #: 9538837
Well Description: SG 334-27	Job Type: SURFACE	ADC Used: YES
Customer Rep: AL DUNIHO	Cement Supervisor: JESSE SLAUGHTER	Elite #2: WESLEY GOWEN

OptiCem v6.4.10
30-May-12 11:17

HALLIBURTON

Water Analysis Report

Company: WILLIAMS PRODUCTION

Date: 5/30/2012

Submitted by: JESSE SLAUGHTER

Date Rec.: _____

Attention: LAB

S.O.# 9538837

Lease SG

Job Type: SURFACE

Well # 334-27

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	6
Potassium (K)	<i>5000</i>	250 Mg / L
Calcium (Ca)	<i>500</i>	120 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	0 Mg / L
Sulfates (SO ₄)	<i>1500</i>	UNDER 200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	60 Deg
Total Dissolved Solids		200 Mg / L

Respectfully: JESSE SLAUGHTER

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 its

Sales Order #: 9538837	Line Item: 10	Survey Conducted Date: 5/30/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) AFEY0YPPFK3JEOXATAAA
Well Name: SG		Well Number: 334-27
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	5/30/2012
Survey Interviewer	The survey interviewer is the person who initiated the survey.	JESSE SLAUGHTER (HB21762)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	AL DUNIHO
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 #: 9538837	Line Item: 10	Survey Conducted Date: 5/30/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) AFEY0YPPFK3JE0XATAAA
Well Name: SG		Well Number: 334-27
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	5/30/2012

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

Sales Order #: 9538837	Line Item: 10	Survey Conducted Date: 5/30/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) AFEY0YPFK3JEOXATAAA
Well Name: SG		Well Number: 334-27
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	92
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