
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**SG 311-23
GRAND VALLEY
Garfield County , Colorado**

Recement Service
10-Apr-2012

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2904875	Quote #:	Sales Order #: 9424906
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: SNOW, MIKE		
Well Name: SG	Well #: 311-23	API/UWI #:	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Contractor: WORKOVER	Rig/Platform Name/Num: WORK OVER		
Job Purpose: Recement Service			
Well Type: Development Well	Job Type: Recement Service		
Sales Person: MAYO, MARK	Srv Supervisor: MAGERS, MICHAEL	MBU ID Emp #: 339439	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DEUSSEN, EDWARD Eric	5	485182	EICKHOFF, ROBERT Edward	5	495311	HUGENTOBLE, KORY	5	47119
MAGERS, MICHAEL Gerard	5	339439	SALAZAR, PAUL Omar	5	445614			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10744549	60 mile	10867094	60 mile	10871245	60 mile	10897925	60 mile
10995027	60 mile	11259885	60 mile	11808831	60 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
4/10/12	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	10 - Apr - 2012	05:30	MST
Form Type	BHST		Job Started	10 - Apr - 2012	00:00	MST
Job depth MD	4650. ft	Job Depth TVD	Job Started	10 - Apr - 2012	13:40	MST
Water Depth		Wk Ht Above Floor	Job Completed	10 - Apr - 2012	15:15	MST
Perforation Depth (MD)	From 7,953.00 ft	To 7,956.00 ft	Departed Loc	10 - Apr - 2012	00:00	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
Perforation Interval								7953.	7956.	.	.

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	4.5	1	BAKER	4580	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
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Stage/Plug #: 1

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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	MUDFLUSH		20.00	bbl	.	.0	.0	.0	
2	Water Spacer		20.00	bbl	8.33	.0	.0	.0	
3	Lead Cement	SQUEEZECEM (TM) SYSTEM (452971)	500.0	sacks	15.8	1.15	4.98		4.98
4.98 Gal		FRESH WATER							
4	Tail Cement	SQUEEZECEM (TM) SYSTEM (452971)	100.0	sacks	17.	.99	3.76		3.76
3.76 Gal		FRESH WATER							
5	Displacement		19.00	bbl	8.34	.0	.0	.0	
Calculated Values		Pressures		Volumes					
Displacement	17.7	Shut In: Instant		Lost Returns		Cement Slurry	112	Pad	
Top Of Cement		5 Min		Cement Returns	.5	Actual Displacement	18.7	Treatment	
Frac Gradient		15 Min		Spacers	40	Load and Breakdown		Total Job	
Rates									
Circulating	3	Mixing		3	Displacement	.5	Avg. Job		3
Cement Left In Pipe	Amount	70 ft	Reason	UNDER RETAINER					
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

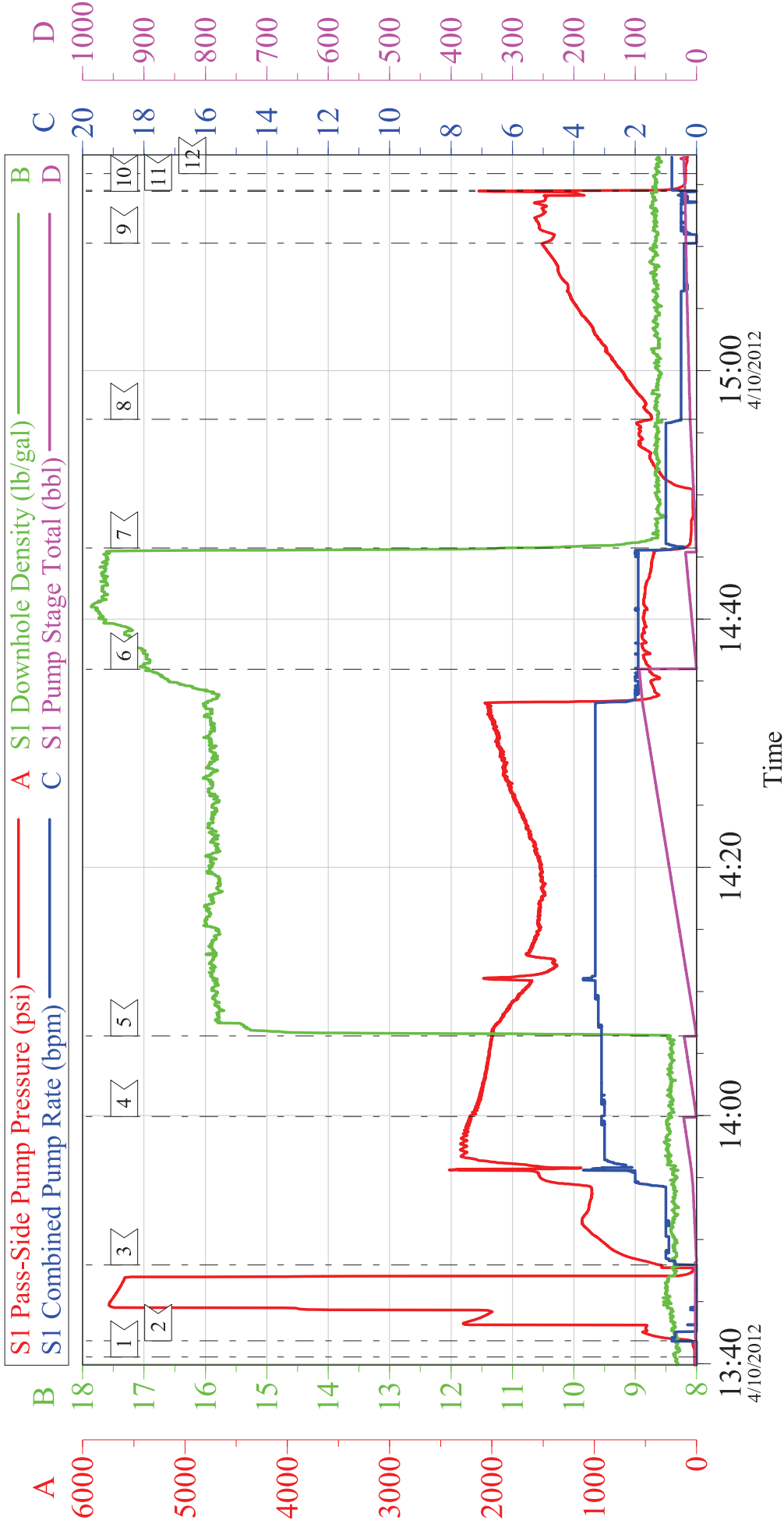
Sold To #: 300721	Ship To #: 2904875	Quote #:	Sales Order #: 9424906
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: SNOW, MIKE		
Well Name: SG	Well #: 311-23	API/UWI #:	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: WORKOVER		Rig/Platform Name/Num: WORK OVER	
Job Purpose: Recement Service			Ticket Amount:
Well Type: Development Well		Job Type: Recement Service	
Sales Person: MAYO, MARK		Srv Supervisor: MAGERS, MICHAEL	MBU ID Emp #: 339439

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	04/10/2012 08:00							
Pre-Convoy Safety Meeting	04/10/2012 08:50							HES ALL PRESENT
Crew Leave Yard	04/10/2012 09:00							HES ALL PRESENT
Arrive At Loc	04/10/2012 10:00							HES ARRIVED ON LOCATION
Assessment Of Location Safety Meeting	04/10/2012 10:15							LOCATION IN GOOD CONDITION, RIG WAS STILL WAITING ON TUBING TO ARRIVE AT THE TIME OF HES ARRIVAL
Pre-Rig Up Safety Meeting	04/10/2012 10:40							JSA ON RIGGING UP
Rig-Up Equipment	04/10/2012 11:00							1 PICKUP 1 ELITE 2 BULK TRUCK
Safety Huddle	04/10/2012 13:00							RIG CREW AND HES ALL PRESENT
Start Job	04/10/2012 13:40							RETAINER- 4580', PERFS- 4650' TUBING 3.375 4.7#, CSG- 4.5 11.#, MUD- 8.4, CUSTOMER DID NOT REQUEST HR-5 IN LEAD CEMENT BUT IT WAS ADDED BY HES ENGINEERS DUE TO PUMP TIME, IT WAS REMOVED FROM THE TICKET.
Other	04/10/2012 13:41							FILL LINES
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

		#		Stage	Total	Tubing	Casing	
Pressure Test	04/10/2012 13:41							PSI TEST INITIALLY FAILED, 2 INCH LO TORQ ON TUBING WAS CHANGED AND TEST PASSED @ 5700 PSI
Pump Spacer 1	04/10/2012 13:47		3	20		2300. 0		ESTABLISH CIRCULATION WITH MUDFLUSH
Pump Spacer 2	04/10/2012 13:59		3	20		2000. 0		H2O SPACER
Pump Lead Cement	04/10/2012 14:06		3	94		1960. 0		SQUEEZECM 500 SKS 15.8 PPG 1.15 FT3/SK 4.98 GAL/SK
Pump Tail Cement	04/10/2012 14:35		3	18		500.0		SQUEEZECM 100 SKS 17.0 PPG .99 FT3/SK 3.76 GAL/SK
Pump Displacement	04/10/2012 14:45		1	18.7		1479. 0		FRESH WATER, CUSTOMER REQUESTED HES TO OVERDISPLACE 1 BBL FOR PUMPS AND LINES
Slow Rate	04/10/2012 14:56		0.5	10		1500. 0		
Other	04/10/2012 15:10					1500. 0		HESITATE, CUSTOMER WANTED TO SEE IF PRESSURE WOULD FALL OFF. PRESSURE HELD
Shutdown	04/10/2012 15:14		0.5	18.7		1500. 0		SHUTDOWN, TURN OVER TO RIG TO REVERSE OUT, RIG REVERSED OUT .5 BBL OF CEMENT
End Job	04/10/2012 15:15							CUSTOMER DID NOT WANT ANY SUGAR, NO SQUEEZE MANIFOLD USED, NO TUBING ROTARY SUB USED.
Comment	04/10/2012 15:16							THANK YOU FOR CHOOSING HALLIBURTON MIKE MAGERS AND CREW

WPX - SG 311-23

RECEMENT

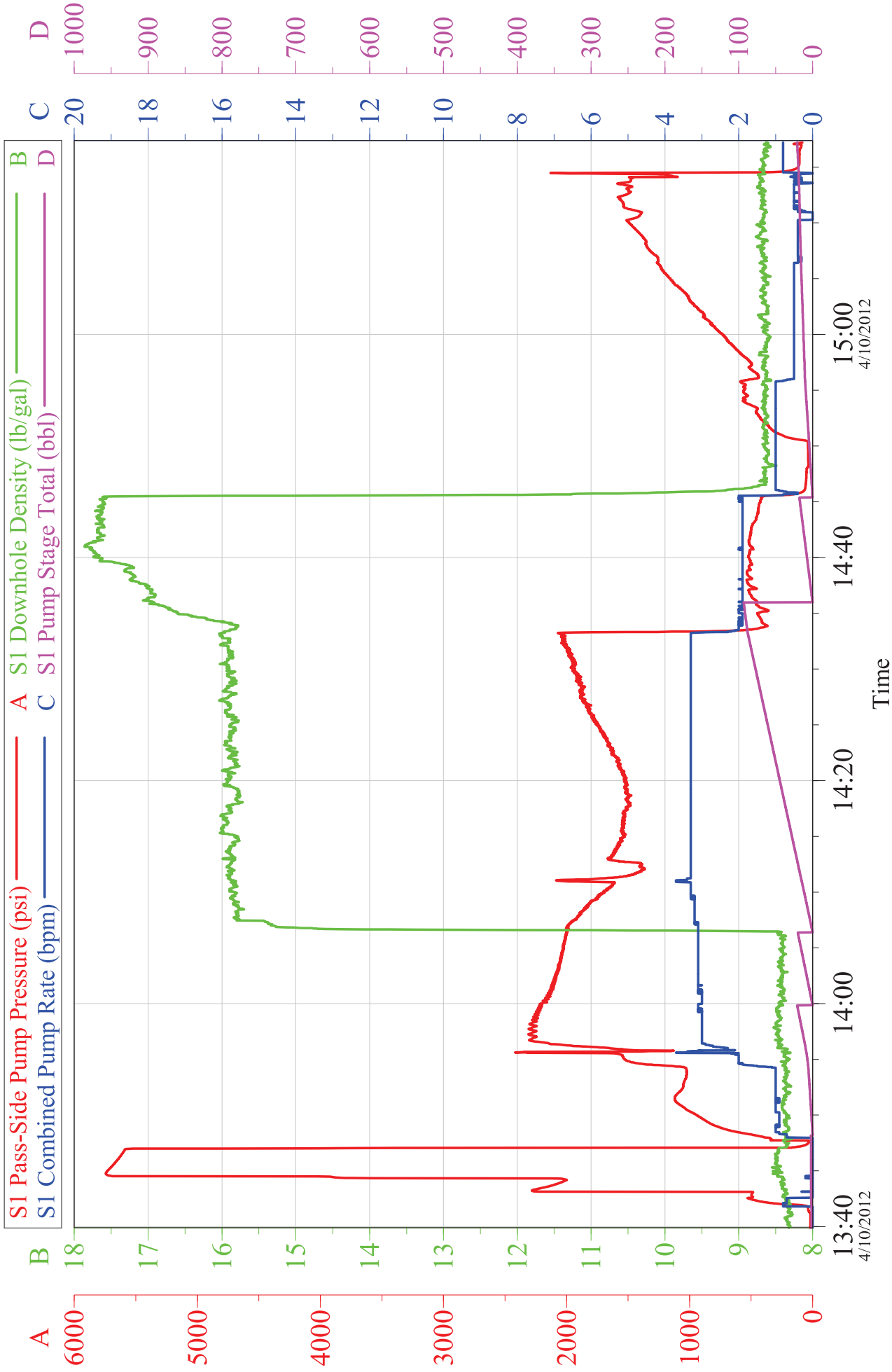


Local Event Log								
1	START JOB	13:40:33	2	PRESSURE TEST	13:41:51	3	MUD FLUSH	13:47:57
4	H2O SPACER	13:59:55	5	LEAD CEMENT	14:06:25	6	TAIL CEMENT	14:35:58
7	DISPLACEMENT	14:45:43	8	SLOW RATE	14:56:05	9	HESITATE	15:10:17
10	SHUTDOWN	15:14:27	11	RIG REVERSE OUT	15:14:32	12	END JOB	15:15:53

Customer: WPX Well Description: SG 311-23 Company Rep: MIKE SNOW	Job Date: 10-Apr-2012	Sales Order #: 9424906
	Job Type: RECEMENT	ADC Used: YES
	Cement Supervisor: MIKE MAGERS	Elite #X: 9/ EICKHOFF

WPX - SG 311-23

RECEMENT



Customer:	WPX	Job Date:	10-Apr-2012	Sales Order #:	9424906
Well Description:	SG 311-23	Job Type:	RECEMENT	ADC Used:	YES
Company Rep:	MIKE SNOW	Cement Supervisor:	MIKE MAGERS	Elite #X:	9/ EICKHOFF

HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: MIKE MAGERS
Attention: C. MARTINEZ/ J.Trout
Lease SG
Well # 311-23

Date: 4/10/2012
Date Rec.: 4/10/2012
S.O.# 9424906
Job Type: RECEMENT

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7.5
Potassium (K)	<i>5000</i>	450 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>	55 Deg
Total Dissolved Solids		150 Mg / L

Respectfully: MIKE MAGERS

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

Sales Order #: 9424906	Line Item: 10	Survey Conducted Date: 4/10/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT RECEMENT BOM
Customer Representative:		API / UWI: (leave blank if unknown) AFEY0MJ5Q5JCM5HPAAA
Well Name: SG		Well Number: 311-23
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	4/10/2012
Survey Interviewer	The survey interviewer is the person who initiated the survey.	MICHAEL MAGERS (HX13672)
Customer Participation	Did the customer participate in this survey? (Y/N)	No
Customer Representative	Enter the Customer representative name	
HSE	Was our HSE performance satisfactory? Circle Y or N	
Equipment	Were you satisfied with our Equipment? Circle Y or N	
Personnel	Were you satisfied with our people? Circle Y or N	
Customer Comment	Customer's Comment	

CUSTOMER SIGNATURE

Sales Order #: 9424906	Line Item: 10	Survey Conducted Date: 4/10/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT RECEMENT BOM
Customer Representative:		API / UWI: (leave blank if unknown) AFEY0MJ5Q5JCM5HPAAA
Well Name: SG		Well Number: 311-23
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

4/10/2012

The date the survey was conducted

Cementing KPI Survey

Type of Job

0

Select the type of job: Cementing or Non-Cementing

Select the Maximum Deviation range for this Job

Vertical

What is the biggest deviation for the job you just completed? This may not be the maximum well deviation

Total Operating Time (hours)

3

Total Operating Hours Including Rig-up/Pumping/Rig-down. Enter in decimal format

HSE Incident/Accident/Injury

No

HSE Incident/Accident/Injury. This should be recordable incidents only

Was the job purpose achieved?

Yes

Was the job delivered correctly as per customer agreed design

Operating Hours (Pumping Hours)

1.5

Total number of hours pumping fluid on this job. Enter in decimal format

Customer Non-Productive Rig Time (hrs)

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

Type of Rig Classification Job Was Performed

Workover

Type Of Rig Classification Job Was Performed On

Number Of JSAs Performed

4

Number Of Jsas Performed

Number of Unplanned Shutdowns

0

Unplanned shutdown is when injection stops for an period of time

Was this a Primary Cement Job (Yes / No)

Yes

Sales Order #: 9424906	Line Item: 10	Survey Conducted Date: 4/10/2012
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Customer Representative:		API / UWI: (leave blank if unknown) AFEY0MJ5Q5JCM5HPAAA
Well Name: SG		Well Number: 311-23
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

Primar <input type="checkbox"/> Cement Job <input type="checkbox"/> Casing Job <input type="checkbox"/> Liner Job <input type="checkbox"/> or Tie-back Job <input type="checkbox"/>	
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs <input type="checkbox"/>	None
Min 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	96
Was Automated Density Control Used? Was Automated Density Control (ADC) Used <input type="checkbox"/>	Yes
Pump Rate (percent) of Job Stayed At Designed Pump Rate Pump Rate range defined as +/- 1 bbl/min Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped multiplied by 100	96
Nbr of Remedial Square Jobs Rqd by Competition Number Of Remedial Square Jobs Required After Primary Job Performed By Competition	0
Nbr of Remedial Plug Jobs Rqd by HES Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
Nbr of Remedial Square Jobs Rqd by HES Number Of Remedial Square Jobs Required After Primary Job Performed By HES	0