
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**GM 217-33
GRAND VALLEY
Garfield County , Colorado**

Squeeze Perfs
26-Jun-2012

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 2935357		Quote #:		Sales Order #: 9618790	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Skalla, Justin			
Well Name: GM			Well #: 217-33			API/UWI #: 05-045-07999	
Field: GRAND VALLEY		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Lat: N 39.485 deg. OR N 39 deg. 29 min. 4.661 secs.				Long: W 108.105 deg. OR W -109 deg. 53 min. 42.763 secs.			
Contractor: WORKOVER			Rig/Platform Name/Num: WORKOVER				
Job Purpose: Squeeze Perfs							
Well Type: Development Well			Job Type: Squeeze Perfs				
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 #
BLANCHETTE, JAMES George	6	371360	BURKE, BRENDAN Patrick	6	487782	GOWEN, WESLEY M	6	496205
NYE, KEVEN R	6	460558	SLAUGHTER, JESSE Dean	6	454315			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10001431	60 mile	10969711	60 mile	11259881	60 mile	11542767	60 mile
11808835	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
6-26-2012	6	4						

TOTAL	Total is the sum of each column separately							
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Job

Formation Name							Date	Time	Time Zone	
Formation Depth (MD)	Top			Bottom		Called Out	26 - Jun - 2012	01:00	MST	
Form Type				BHST			On Location	26 - Jun - 2012	04:30	MST
Job depth MD	5086. ft			Job Depth TVD		5086. ft	Job Started	26 - Jun - 2012	07:23	MST
Water Depth				Wk Ht Above Floor		6. ft	Job Completed	26 - Jun - 2012	08:47	MST
Perforation Depth (MD)	From			To			Departed Loc	26 - Jun - 2012	10:30	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
ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB		
PORT. DATA ACQUIS. W/OPTICEM RT W/HES	1	EA		
R/A DENSOMETER W/CHART RECORDER,/JOB,ZI	1	JOB		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer	4.5	1		4680	Top Plug			
Float Shoe					Bridge Plug	4.5	1		5186	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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Injection Test	FRESH WATER	17.00	bbl	8.33	.0	.0	2.5	
2	Tail Cement	SQUEEZECM (TM) SYSTEM (452971)	150.0	sacks	17.	.99	3.77	1.7	3.77
0.5 %		CFR-3, W/O DEFOAMER, 50 LB SK (100003653)							
3.77 Gal		FRESH WATER							
3	Displacement	FRESH WATER	18.1	bbl	8.33	.0	.0	.5	
Calculated Values		Pressures		Volumes					
Displacement	18.1	Shut In: Instant	350	Lost Returns		Cement Slurry	26	Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement	13	Treatment	
Frac Gradient		15 Min		Spacers	17	Load and Breakdown		Total Job	87
Rates									
Circulating		Mixing	1.7	Displacement	.5	Avg. Job		1	
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					

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Legal Description:							
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Contractor: WORKOVER			Rig/Platform Name/Num: WORKOVER				
Job Purpose: Squeeze Perfs						Ticket Amount:	
Well Type: Development Well			Job Type: Squeeze Perfs				
Sales Person: MAYO, MARK			Srvc Supervisor: SLAUGHTER, JESSE			MBU ID Emp #: 454315	

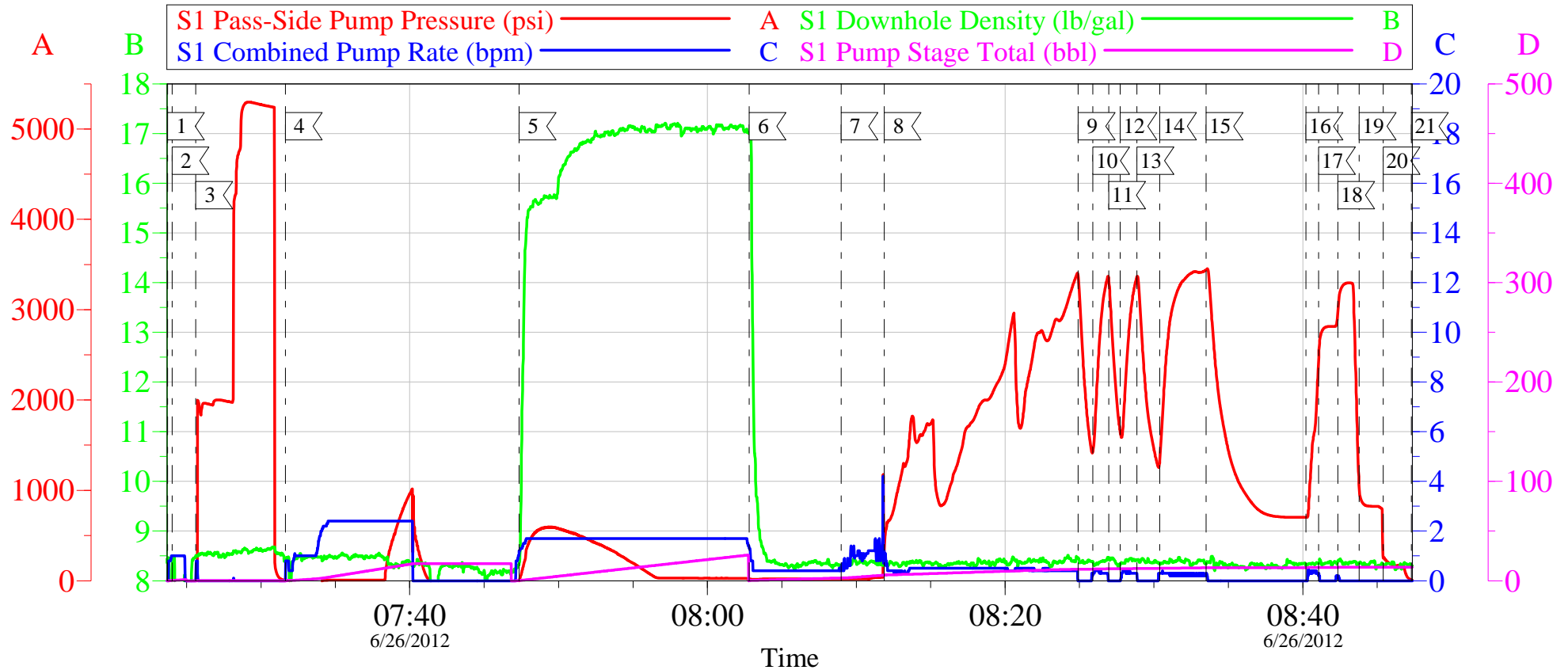
Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	06/26/2012 01:00							BP 5186 FT, PACKER 4680 FT, PERF 4768 FT TO 50 86 FT, TUB 2 3/8 IN J-55 GRADE, CSG 4 1/4 IN, WF 8.33
Pre-Convoy Safety Meeting	06/26/2012 02:50							WITH ALL HES PERSONNEL
Crew Leave Yard	06/26/2012 03:00							
Arrive At Loc	06/26/2012 04:30							RIG WAS STATIC UPON HES ARRIVAL
Assessment Of Location Safety Meeting	06/26/2012 05:30							WITH ALL HES PERSONNEL
Other	06/26/2012 05:40							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	06/26/2012 05:50							WITH ALL HES PERSONNEL
Rig-Up Equipment	06/26/2012 06:00							
Pre-Job Safety Meeting	06/26/2012 07:15							WITH ALL PERSONNEL ON LOCATION
Start Job	06/26/2012 07:23							RIG HAD 500 PSI ON BACKSIDE DURING JOB
Other	06/26/2012 07:24		1	1			.0	FILL LINES WITH FRESH WATER
Test Lines	06/26/2012 07:25							TESTED LINES TO 5300 PSI PRESSURE HOLDING
Pump Water	06/26/2012 07:31		2.5	17			1002.0	INJECTION TEST
Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Pump Tail Cement	06/26/2012 07:47		1.7	26			27.0	150 SKS AT 17 PPG, .99 FT3/SK, 3.77 GAL/SK, HES PUMPED 10 BBL AT 15.8 PPG AS PER COMPANY REP AND REST OF THE SLURRY AT 17 PPG
Pump Displacement	06/26/2012 08:02		0.5	11			3320.0	FRESH WATER, PUMP LOST PRIME AT 5 BBL GONE REGAINED PRIME AT 6 BBL GONE. SHUTDOWN AT 11 BBL GONE TO LET PRESSURE FALL BACK TO 1400 PSI RESUME PUMPING AFTER 1 MIN
Resume	06/26/2012 08:27		0.5	0.5			3500.0	RESUME PUMPING. SHUTDOWN TO LET PRESSURE FALL TO 1585 PSI RESUMED PUMPING AFTER 1 MIN.
Resume	06/26/2012 08:30		0.5	0.5			3500.0	RESUME PUMPING. SHUTDOWN TO LET PRESSURE FALL TO 1250 PSI RESUMED PUMPING AFTER 1 MIN.
Resume	06/26/2012 08:40		0.5	0.5			3500.0	RESUME PUMPING. SHUTDOWN TO LET PRESSURE FALL TO 702 PSI RESUMED PUMPING AFTER 7 MIN
Shutdown	06/26/2012 08:41		0.5		13		3500.0	SHUTDOWN AT 3300 PSI HEL FOR 1 MIN PRESSURED UP TO 3500 PSI
Release Packer	06/26/2012 08:43						835.0	RELEASED PRESSURE TO 835 TO RELEASE PACKER
Other	06/26/2012 08:45							RELEASE PRESSURE
End Job	06/26/2012 08:47							
Reverse Circ Well	06/26/2012 08:47		2	36			900.0	RIG REVERSE CIRCULATED WELL . RIG RETURNED 6 BBL CEMENT TO RIG TANK
Pre-Rig Down Safety Meeting	06/26/2012 08:55							WITH ALL HES PERSONNEL

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Rig-Down Equipment	06/26/2012 09:00							
Pre-Convoy Safety Meeting	06/26/2012 10:20							WITH ALL HES PERSONNEL
Crew Leave Location	06/26/2012 10:30							
Comment	06/26/2012 10:31							THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JESSE SLAUGHTER AND CREW.

WPX GM 217-33

2 3/8 SQUEEZE



Local Event Log

1 START JOB	07:23:44	2 PRIME LINES	07:24:02	3 TEST LINES	07:25:38
4 PUMP INJECTION TEST	07:31:39	5 PUMP CEMENT	07:47:21	6 PUMP DISPLACEMENT	08:02:48
7 PUMP LOST PRIME	08:08:59	8 REGAIN PRIME	08:11:53	9 SHUTDOWN	08:24:55
10 RESUME PUMPING	08:25:54	11 SHUTDOWN	08:26:58	12 RESUME PUMPING	08:27:43
13 SHUTDOWN	08:28:52	14 RESUME PUMPING	08:30:23	15 SHUTDOWN	08:33:31
16 RESUME PUMPING	08:40:13	17 SHUTDOWN	08:41:03	18 PRESSURE UP	08:42:21
19 RELEASE PACKER	08:43:48	20 RELEASE PRESSURE	08:45:24	21 END JOB	08:47:18

Customer: WPX
Well Description: GM 217-33
Customer Rep: JUSTIN SKALA

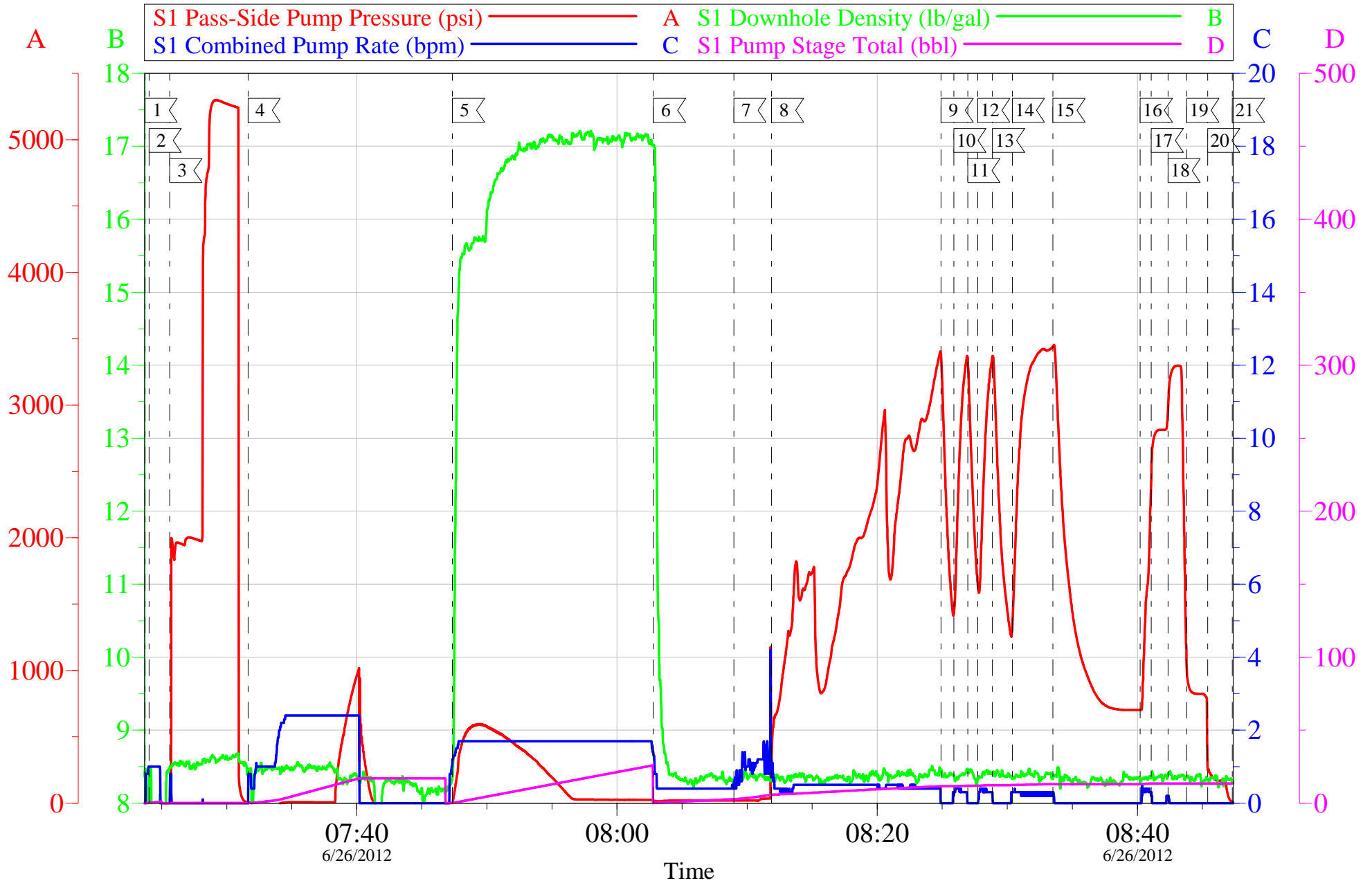
Job Date: 26-Jun-2012
Job Type: SQUEEZE
Cement Supervisor: JESSE SLAUGHTER

Sales Order #: 9618790
ADC Used: YES
Elite #1: BRENDAN BURKE

OptiCem v6.4.10
26-Jun-12 09:12

WPX GM 217-33

2 3/8 SQUEEZE



Customer: WPX	Job Date: 26-Jun-2012	Sales Order #: 9618790
Well Description: GM 217-33	Job Type: SQUEEZE	ADC Used: YES
Customer Rep: JUSTIN SKALA	Cement Supervisor: JESSE SLAUGHTER	Elite #1: BRENDAN BURKE

OptiCem v6.4.10
26-Jun-12 09:13

HALLIBURTON

Water Analysis Report

Company: WILLIAMS PRODUCTION

Submitted by: JESSE SLAUGHTER

Attention: LAB

Lease GM

Well # 217-33

Date: 6/25/2012

Date Rec.:

S.O.# 9618790

Job Type: SQUEEZE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
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>	70 Deg
Total Dissolved Solids		500 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 use.

Sales Order #: 9618790	Line Item: 10	Survey Conducted Date: 6/26/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SQUEEZE PERFORATIONS BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-07999
Well Name: GM		Well Number: 217-33
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	6/26/2012
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)	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 #: 9618790	Line Item: 10	Survey Conducted Date: 6/26/2012
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Well Name: GM		Well Number: 217-33
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	6/26/2012
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 highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	4
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	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
Number Of JSAs Performed	6
Number Of Jsas Performed	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Was this a Primary Cement Job (Yes / No)	No

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Customer Representative:		API / UWI: (leave blank if unknown) 05-045-07999
Well Name: GM		Well Number: 217-33
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.	
Was this a Plug or a Squeeze Job? Please select the appropriate choice	No
Was this a Primary or a Remedial Job? Kick off plug, Plug to Abandon, LCM plug or Planned Liner Top Squeeze, Squeeze of existing perforations, Squeeze of casing leak	Yes
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	100
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	100
Nbr of Remedial Sqz Jobs Rqd - Competition Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	1
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	1