
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**SG 432-22
GARND VAILLEY
Garfield County , Colorado**

**Cement Surface Casing
23-Jul-2013**

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3011380	Quote #:	Sales Order #: 900608648
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Duniho, Al	
Well Name: SG		Well #: 432-22	API/UWI #: 05-045-21757
Field:	City (SAP): Parachute	County/Parish: Garfield	State: Colorado
Lat: N 39.426 deg. OR N 39 deg. 25 min. 34.208 secs.		Long: W 108.088 deg. OR W -109 deg. 54 min. 43.34 secs.	
Contractor: CYCLONE 17		Rig/Platform Name/Num: 17	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc Supervisor: YOUNG, JEREMY	MBU ID Emp #: 418013

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BROWN, JUSTIN Michael	10	549296	EICKHOFF, ROBERT Edward	10	495311	LAULAINEN, ROGER Edward	10	524413
YOUNG, JEREMY R	10	418013						

Equipment

HES Unit #	Distance-1 way						
10722398	60 mile	10872429	60 mile	11139330	60 mile	11583932	60 mile
11808847	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
07/23/2013	10	3						
TOTAL	<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
					22 - Jul - 2013	22:00	MST
Form Type			BHST	On Location	23 - Jul - 2013	02:00	MST
Job depth MD	1138.5 ft		Job Depth TVD	1138.5 ft	23 - Jul - 2013	10:08	MST
Water Depth			Wk Ht Above Floor	4. ft	23 - Jul - 2013	11:04	MST
Perforation Depth (MD)	<i>From</i>		<i>To</i>		23 - Jul - 2013	12:00	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
13 1/2" OPEN HOLE				13.5				.	1153.		
9 5/8" 32.3# SURFACE CASING	Unknown		9.625	9.001	32.3		H-40	.	1138.5		

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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

1	Fresh Water Spacer	FRESH WATER	20.00	bbl	8.33	.0	.0	4	
2	VariCem GJ! Lead Cement	VARICEM (TM) CEMENT (452009)	125.0	sacks	12.3	2.38	13.75	8	13.75
	13.75 Gal	FRESH WATER							
3	VariCem GJ1 Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	7	11.75
	11.75 Gal	FRESH WATER							
4	Fresh Water Displacement	FRESH WATER	87.00	bbl	8.33	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	87.6	Shut In: Instant		Lost Returns	NO	Cement Slurry	113.1	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	30	Actual Displacement	87.6	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	220.7
Rates									
Circulating	13.5	Mixing	8	Displacement	10	Avg. Job	9		
Cement Left In Pipe	Amount	26 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

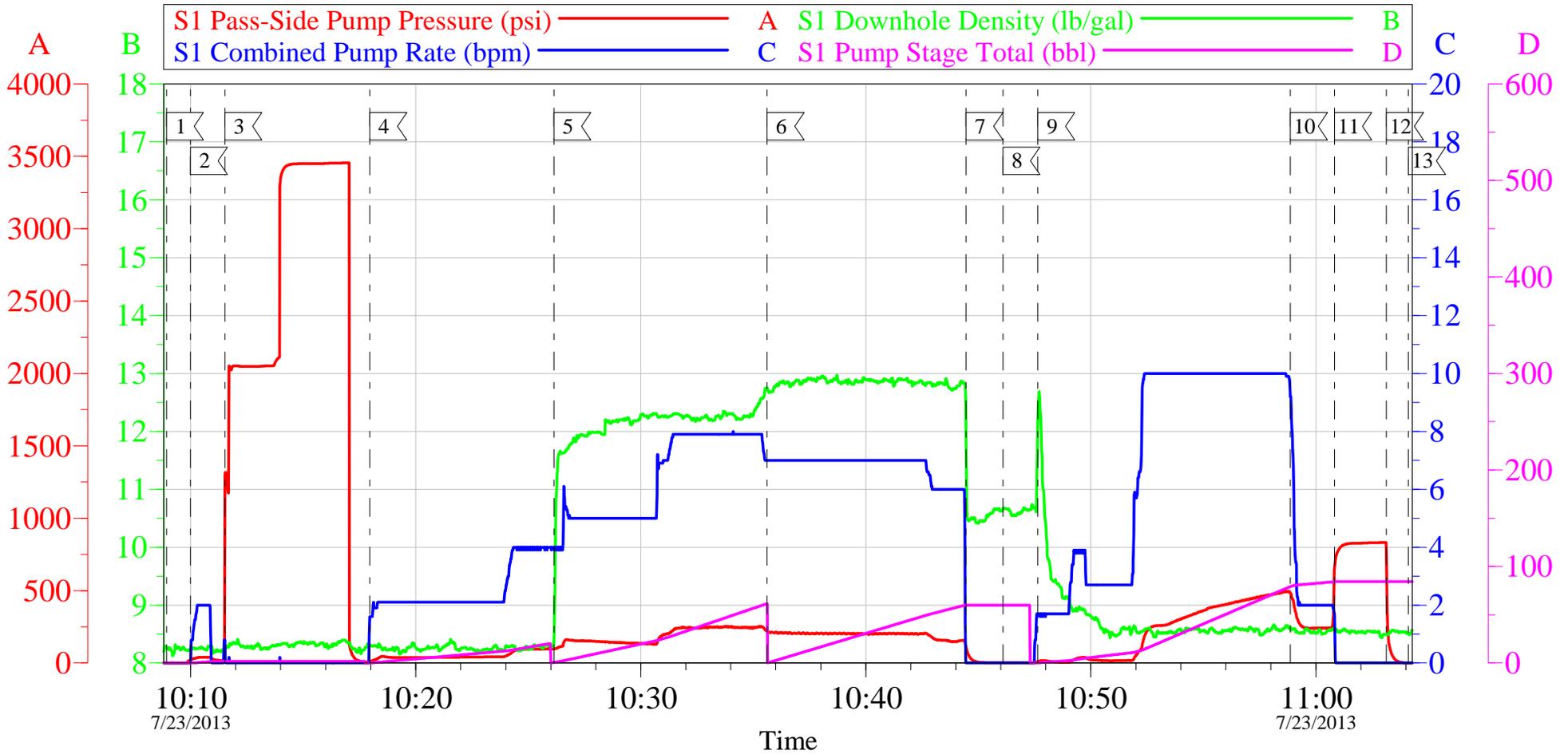
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Legal Description:			
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Contractor: CYCLONE 17		Rig/Platform Name/Num: 17	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc Supervisor: YOUNG, JEREMY	MBU ID Emp #: 418013

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	07/22/2013 22:00							
Pre-Convoy Safety Meeting	07/23/2013 00:50							WITH ALL HES PERSONNEL
Crew Leave Yard	07/23/2013 01:00							
Arrive At Loc	07/23/2013 02:00							RIG WAS DRILLING UPON HES ARRIVAL
Assessment Of Location Safety Meeting	07/23/2013 08:30							WITH ALL HES PERSONNEL
Other	07/23/2013 08:40							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	07/23/2013 08:50							WITH ALL HES PERSONNEL
Rig-Up Equipment	07/23/2013 09:00							
Pre-Job Safety Meeting	07/23/2013 09:50							WITH ALL PERSONNEL ON LOCATION
Start Job	07/23/2013 10:08							TD 1153 FT, TP 1138.54 FT, SHOE 26 FT, HOLE 13 1/2 IN, MUD WT 9.5 PPG WBM VISC 55, CSG 9 5/8 IN 32.3 LB/FT H-40
Other	07/23/2013 10:09		2	2			40.0	FILL LINES WITH FRESH WATER
Test Lines	07/23/2013 10:11							TEST LINES TO 3450 PSI. PRESSURE HOLDING
Pump Spacer 1	07/23/2013 10:17		4	20			84.0	FRESH WATER
Pump Lead Cement	07/23/2013 10:26		8	53			250.0	125 SKS AT 12.3 PPG, 2.38 FT ³ /SK, 13.75 GAL/SK. TOP OF LEAD CALCULATE AT SURFACE

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	07/23/2013 10:35		7	60.1			205.0	160 SKS AT 12.8 PPG, 2.11 FT ³ /SK, 11.75 GAL/SK. TOP OF TAIL CALCULATED AT 471 FT
Shutdown	07/23/2013 10:44							
Drop Top Plug	07/23/2013 10:46							PLUG LAUNCHED
Pump Displacement	07/23/2013 10:47		10	77.6			480.0	FRESH WATER
Slow Rate	07/23/2013 10:58		2	10			245.0	SLOW RATE 10 BBL PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	07/23/2013 11:00		2		87.6		820.0	PLUG BUMPED
Check Floats	07/23/2013 11:03							FLOATS HOLDING. RETURNED 0.5 BBL H ₂ O TO TRUCK
End Job	07/23/2013 11:04							PIPE WAS STATIC DURING JOB. GOOD CIRCULATION THROUGHOUT JOB. HES RETURNED 30 BBL CEMENT TO SURFACE. 80 LBS SUGAR USED IN CEMENT RETURNS
Pre-Rig Down Safety Meeting	07/23/2013 11:10							WITH ALL HES PERSONNEL
Rig-Down Equipment	07/23/2013 11:15							
Pre-Convoy Safety Meeting	07/23/2013 11:50							WITH ALL HES PERSONNEL
Crew Leave Location	07/23/2013 12:00							
Comment	07/23/2013 12:01							THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JEREMY YOUNG AND CREW

WPX - SG 432-22

9 5/8 SURFACE

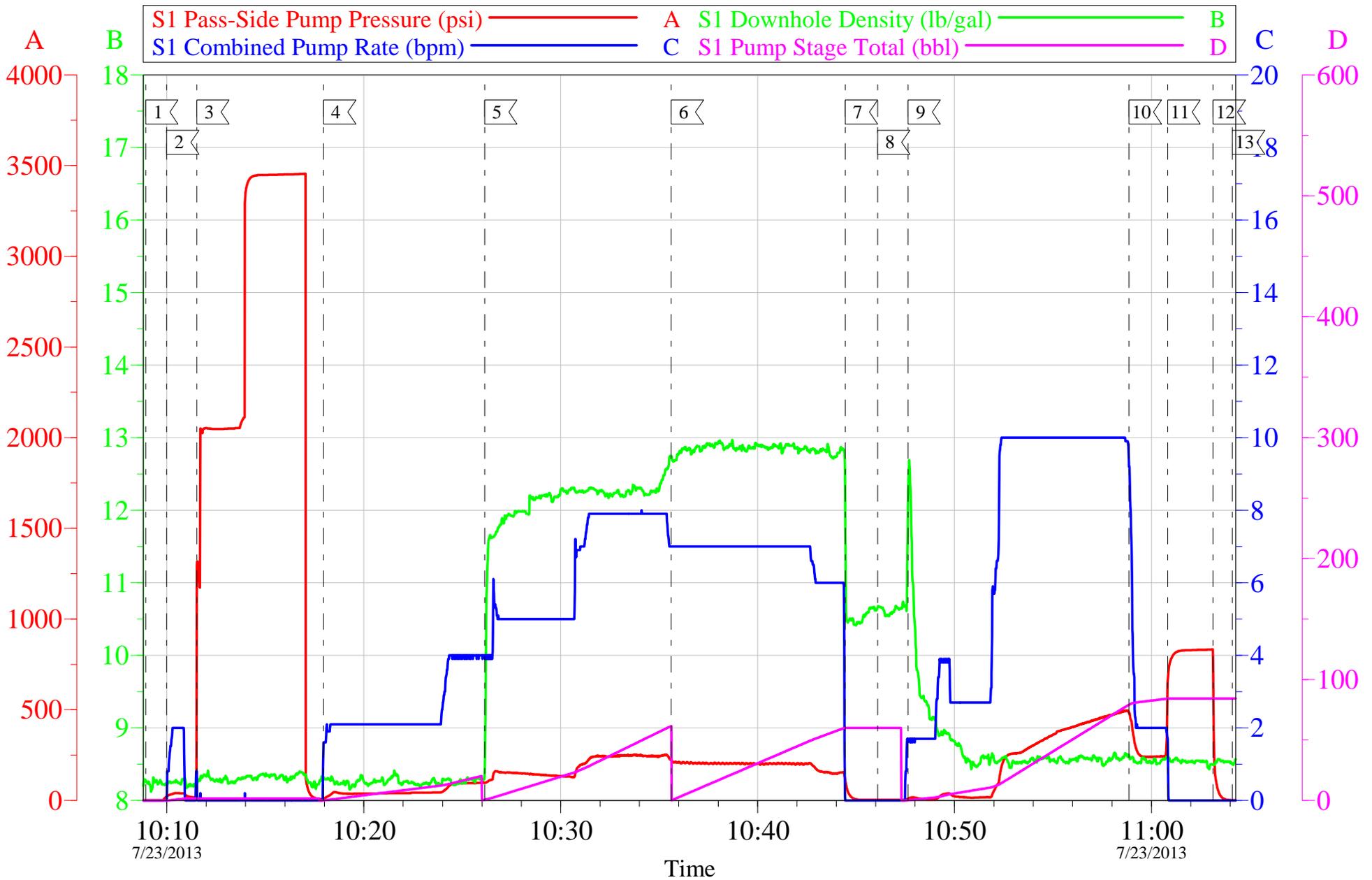


Local Event Log								
1	START JOB	10:08:55	2	FILL LINES	10:09:59	3	TEST LINES	10:11:31
4	PUMP H2O SPACER	10:17:57	5	PUMP LEAD CEMENT	10:26:08	6	PUMP TAIL CEMENT	10:35:37
7	SHUTDOWN	10:44:27	8	DROP TOP PLUG	10:46:06	9	PUMP DISPLACEMENT	10:47:39
10	SLOW RATE	10:58:52	11	BUMP PLUG	11:00:50	12	CHECK FLOATS	11:03:08
13	END JOB	11:04:07						

Customer: WPX	Job Date: 23-Jul-2013	Sales Order #: 900608648
Well Description: SG 432-22	Job Type: SURFACE	ADC Used: YES
Customer Rep: AL DUNIHO	Cement Supervisor: JEREMY YOUNG	Elite #7: ROB EICKHOFF

WPX - SG 432-22

9 5/8 SURFACE



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 Well Description: SG 432-22
 Customer Rep: AL DUNIHO

Job Date: 23-Jul-2013
 Job Type: SURFACE
 Cement Supervisor: JEREMY YOUNG

Sales Order #: 900608648
 ADC Used: YES
 Elite #7: ROB EICKHOFF

OptiCem v6.4.10
 23-Jul-13 11:28

HALLIBURTON

Water Analysis Report

Company: WPX

Date: 7/23/2013

Submitted by: JEREMY YOUNG

Date Rec.: _____

Attention: LAB

S.O.# 900608648

Lease SG

Job Type: SURFACE

Well # 432-33

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	6.5
Potassium (K)	<i>5000</i>	0 Mg / L
Calcium (Ca)	<i>500</i>	250 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>	81 Deg
Total Dissolved Solids		200 Mg / L

Respectfully: JEREMY YOUNG

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 #: 900592881	Line Item: 10	Survey Conducted Date: 7/19/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: RON TOWERS		API / UWI: (leave blank if unknown) 05-045-21864
Well Name: PA		Well Number: 411-27
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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	7/19/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	PRICE JAMISON (HAL9235)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	RON TOWERS
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	NONE

CUSTOMER SIGNATURE

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Well Name: PA		Well Number: 411-27
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	7/19/2013
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)	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
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	5
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)	Yes

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Well Name: PA		Well Number: 411-27
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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