
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**SG 334-23
GRAND VALLEY
Garfield County , Colorado**

Cement Surface Casing **17-Feb-2013**

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2976511	Quote #:	Sales Order #: 900162862
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: Duniho, Al		
Well Name: SG	Well #: 334-23	API/UWI #: 05-045-21687	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.419 deg. OR N 39 deg. 25 min. 8.479 secs.	Long: W 108.07 deg. OR W -109 deg. 55 min. 46.25 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, CHRISTOPHER	MBU ID Emp #: 413952	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
GOWEN, WESLEY M	0.0	496205	KUKUS, CHRISTOPHER A	0.0	413952	LYNGSTAD, FREDRICK D	0.0	403742
ROMKEE, DALE Alan	0.0	488215						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248065	60 mile	10296152C	60 mile	10713212	60 mile	11360871	60 mile
11583931	60 mile	11808849	60 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours

TOTAL Total is the sum of each column separately

Job

Formation Name					Date				Time	Time Zone		
Formation Depth (MD)		Top	Bottom		Called Out				16 - Feb - 2013	19:00	MST	
Form Type		BHST		On Location				17 - Feb - 2013	00:00	MST		
Job depth MD		1397.2 ft		Job Depth TVD		1397.2 ft		Job Started		17 - Feb - 2013	07:34	MST
Water Depth		Wk Ht Above Floor		5. ft		Job Completed		17 - Feb - 2013		08:43	MST	
Perforation Depth (MD)		From	To		Departed Loc				17 - Feb - 2013	10:00	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
OPEN HOLE				13.5				.	1413.		
SURFACE CASING	New		9.625	9.001	32.3		I-80	.	1397.2		

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			
Float Shoe					Bridge Plug					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	Fresh Water Spacer		20.00	bbl	.	.0	.0	.0	
2	LEAD CEMENT	VERSACEM (TM) SYSTEM (452010)	185.0	sacks	12.3	2.38	13.75		13.75
	13.75 Gal	FRESH WATER							
3	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75		11.75
4	Fresh Water Displacement		106.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	47.6 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID		Frac ring # 2 @	ID		Frac Ring # 3 @	ID		Frac Ring # 4 @
The Information Stated Herein Is Correct				Customer Representative Signature					

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Field: GRAND VALLEY		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39.419 deg. OR N 39 deg. 25 min. 8.479 secs.				Long: W 108.07 deg. OR W -109 deg. 55 min. 46.25 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			Srv Supervisor: KUKUS, CHRISTOPHER			MBU ID Emp #: 413952	

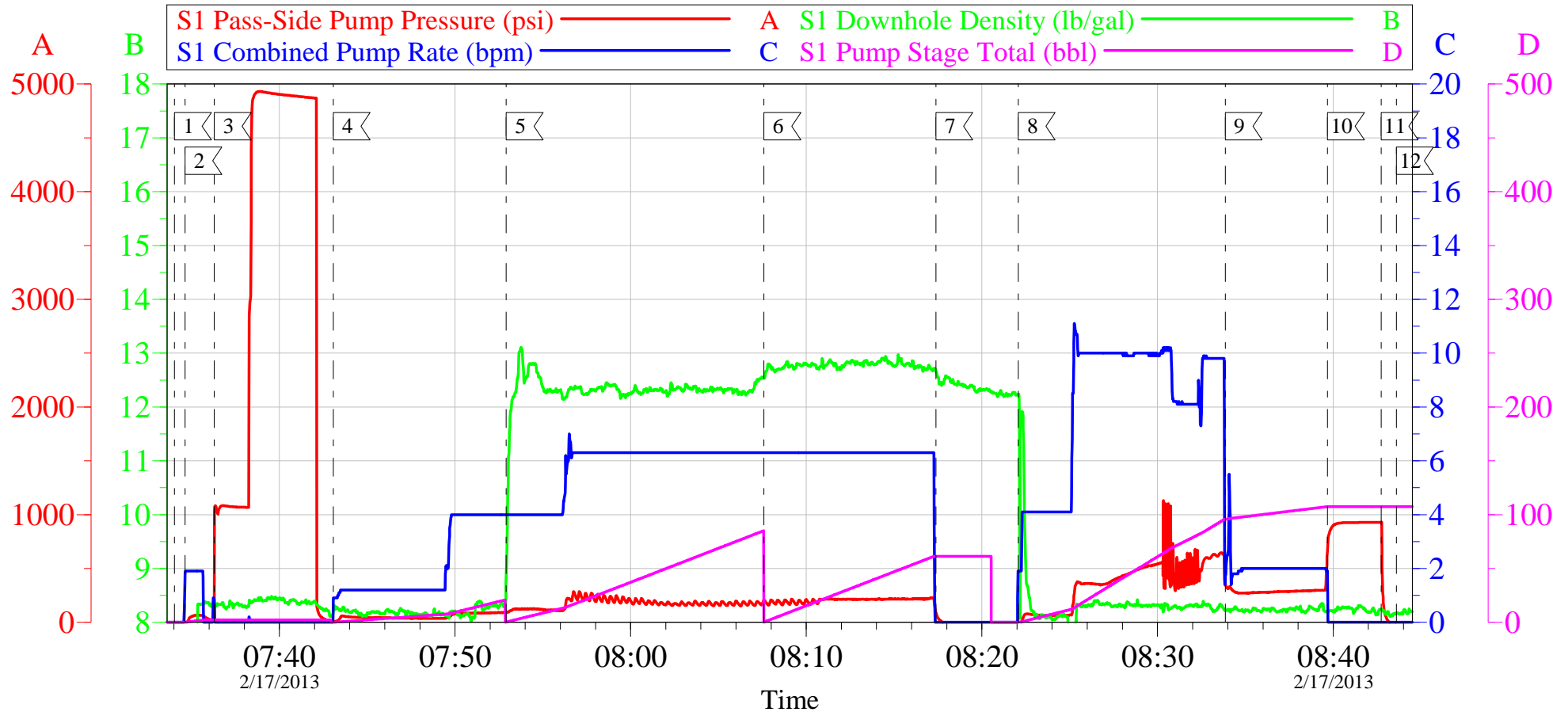
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	02/16/2013 19:00							ELITE # 9
Depart Yard Safety Meeting	02/16/2013 22:30							ALL HES EMPLOYEES
Arrive At Loc	02/17/2013 00:00							RIG PULLING DRILL PIPE HES CREW ARRIVED 1HOUR EARLY AND WAS ASKED TO WAIT OFF LOCATION PER CO REP REQUEST
Assessment Of Location Safety Meeting	02/17/2013 06:50							ALL HES EMPLOYEES
Pre-Rig Up Safety Meeting	02/17/2013 06:55							ALL HES EMPLOYEES
Rig-Up Equipment	02/17/2013 07:00							1 F-550 PICKUP 1 HT-400 PUMP TRUCK 1 660 BULK TRUCK 1 BODYLOAD RIG UP IRON TO STAND PIPE AREA / RIG UP SUCTION HOSE TO FRESH WATER SUPPLY
Pre-Job Safety Meeting	02/17/2013 07:20							ALL HES EMPLOYEES AND RIG CREW
Start Job	02/17/2013 07:34							TD: 1413 TP: 1397.23 SJ: 47.66 CSG: 9 5/8 32.3# OH: 13 1/2 MUD WT 10.2
Test Lines	02/17/2013 07:36					4925.0		PRESSURE TEST OK
Pump Spacer	02/17/2013 07:43		4	20	20		91.0	FRESH WATER SPACER
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

		#		Stage	Total	Tubing	Casing	
Pump Lead Cement	02/17/2013 07:52		6	78.4	78.4		200.0	185 SKS 12.3 PPG 2.38 YEILD 13.75 GAL / SK LEAD CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGH OUT LEAD CEMENT
Pump Tail Cement	02/17/2013 08:07		6	60.1	60.1		220.0	160 SKS 12.8 PPG 2.11 YEILD 11.75 GAL / SK TAIL CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGH OUT TAIL CEMENT
Shutdown	02/17/2013 08:17							SHUTDOWN / END CEMENT / READY TUB TO WASH UP ON TOP OF PLUG
Drop Plug	02/17/2013 08:18							PLUG AWAY NO PROBLEMS
Pump Displacement	02/17/2013 08:22		10	106.2	106.2		600.0	FRESH WATER DISPLACEMENT
Slow Rate	02/17/2013 08:33		2	96.2	96.2		290.0	SLOW RATE TO BUMP PLUG
Bump Plug	02/17/2013 08:39		2	106.2	106.2		310.0	BUMP PLUG @ 310 AND TOOK PRESSURE UP TO 925 PSI
Check Floats	02/17/2013 08:42							FLOATS HELD .5 BBL BACK TO DISPLACEMENT TANKS
End Job	02/17/2013 08:43							WELL HAD GOOD CIRCULATION THROUGH OUT CEMENT JOB GOT 30 BBLs OF CEMENT TO SURFACE RIG USED 100 LBS OF SUGAR TICKET CHANGES: NO ADD HOURS, NO DERRICK CHARGE
Pre-Rig Down Safety Meeting	02/17/2013 08:50							ALL HES EMPLOYEES
Rig-Down Equipment	02/17/2013 09:00							RIG FLOOR DOWN / BLOW DOWN LINES AND RIG DOWN / CLEAN UP AND BLOW DOWN PUMP TRUCK
Pre-Convoy Safety Meeting	02/17/2013 09:50							ALL HES EMPLOYEES
Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Crew Leave Location	02/17/2013 10:00							THANKS FOR USING HALLIBURTON CEMENT CHRIS KUKUS AND CREW
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WPX ENERGY / SG 334-23

9 5/8 SURFACE



Local Event Log

1	START JOB	07:34:02	2	FILL LINES	07:34:38
3	TEST LINES	07:36:18	4	PUMP FRESH WATER SPACER	07:43:05
5	PUMP LEAD CEMENT	07:52:55	6	PUMP TAIL CEMENT	08:07:35
7	SHUTDOWN / DROP PLUG	08:17:23	8	PUMP FRESH WATER DISPLACEMENT	08:22:04
9	SLOW RATE	08:33:51	10	BUMP PLUG	08:39:40
11	CHECK FLOATS	08:42:44	12	END JOB	08:43:36

Customer: WPX
Well Description: SG 334-23
Company Rep: AL DUNIHO

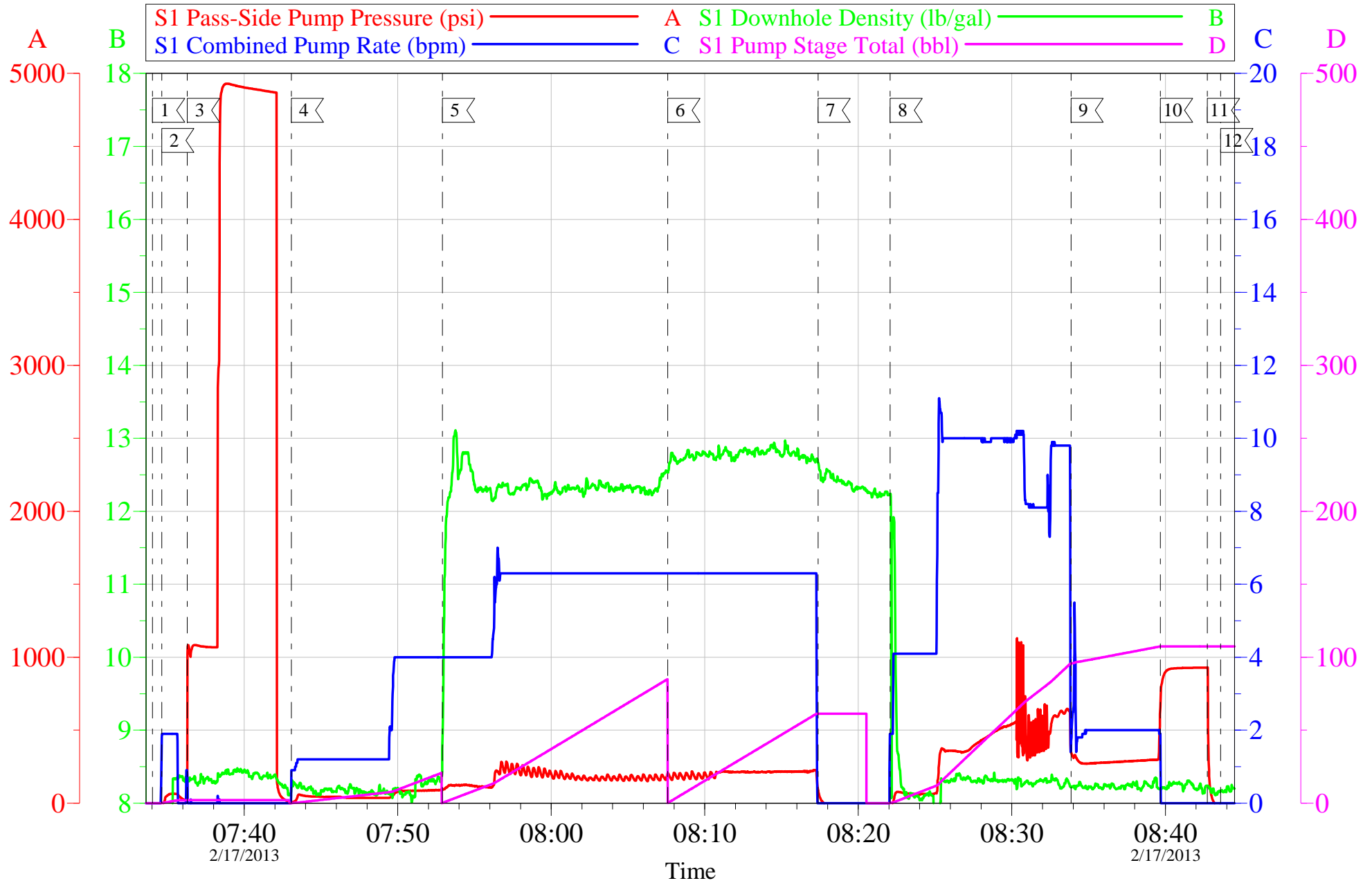
Job Date: 17-Feb-2013
Job Type: SURFACE
Cement Supervisor: CHRIS KUKUS

Sales Order #: 900162862
ADC Used: YES
Elite # 9: WESLEY GOWEN

OptiCem v6.4.10
17-Feb-13 08:58

WPX ENERGY / SG 334-23

9 5/8 SURFACE



Customer: WPX
Well Description: SG 334-23
Company Rep: AL DUNIHO

Job Date: 17-Feb-2013
Job Type: SURFACE
Cement Supervisor: CHRIS KUKUS

Sales Order #: 900162862
ADC Used: YES
Elite # 9: WESLEY GOWEN

OptiCem v6.4.10
17-Feb-13 08:59

HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: CHRIS KUKUS

Attention: J. TROUT/C.MARTINEZ

Lease SG

Well # 334-23

Date: 2/17/2013

Date Rec.: 2/17/2013

S.O.# 900162862

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	6.8
Potassium (K)	<i>5000</i>	0 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>	45 Deg
Total Dissolved Solids		430 Mg / L

Respectfully: CHRIS KUKUS

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 #: 900162862	Line Item: 10	Survey Conducted Date: 2/17/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) 05-045-21687
Well Name: SG		Well Number: 334-23
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	2/17/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CHRISTOPHER KUKUS (HX35027)
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

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Well Name: SG		Well Number: 334-23
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	2/17/2013

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 DUNIHO		API / UWI: (leave blank if unknown) 05-045-21687
Well Name: SG		Well Number: 334-23
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	80
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	90
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