
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 333-2
Parachute
Garfield County , Colorado**

Cement Surface Casing
01-Apr-2013

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 300721	Quote #:	Sales Order #: 900329264
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: Vallad, Gary		
Well Name: PA	Well #: 333-2	API/UWI #: 05-045-20256	
Field: Parachute	City (SAP): TULSA	County/Parish: Garfield	State: Colorado
Lat: N 39.504 deg. OR N 39 deg. 30 min. 14.422 secs.	Long: W 108.019 deg. OR W -109 deg. 58 min. 51.269 secs.		
Contractor: NABORS 574	Rig/Platform Name/Num: NABORS 574		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: MAYO, MARK	Srvc 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	5	496205	KUKUS, CHRISTOPHER A	5	413952	ROMKEE, DALE Alan	5	488215
ROSE, BENJAMIN Keith	5	487022	RUSSELL, EVAN	5	537113			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10296152C	60 mile	10297346	60 mile	10784080	60 mile	11071559	60 mile
11360883	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
04/01/2013	5	3						

TOTAL Total is the sum of each column separately

Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	01 - Apr - 2013	12:00	MST
Form Type	BHST		Job Started	01 - Apr - 2013	16:00	MST
Job depth MD	1650. ft	Job Depth TVD	Job Started	01 - Apr - 2013	19:15	MST
Water Depth		Wk Ht Above Floor	Job Completed	01 - Apr - 2013	20:16	MST
Perforation Depth (MD)	From	To	Departed Loc	01 - Apr - 2013	21:00	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				.	1650.		
SURFACE CASING	New		9.625	9.001	32.3		I-80	.	1634.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9 5/8	1	HES
Float Shoe	9 5/8	1		1634	Bridge Plug					Bottom Plug			
Float Collar	9 5/8	1		1589	Retainer					SSR plug set			
Insert Float										Plug Container	9 5/8	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
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1	Fresh Water Spacer		20.00	bbl	8.33	.0	.0	4	
2	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	185.0	sacks	12.3	2.38	13.75	7	13.75
	13.75 Gal	FRESH WATER							
3	VersaCem 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		125.10	bbl	8.33	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	125.1	Shut In: Instant		Lost Returns	0	Cement Slurry	138.5	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	10	Actual Displacement	125.1	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	284
Rates									
Circulating		Mixing	7	Displacement	10	Avg. Job			7
Cement Left In Pipe	Amount	45 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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Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Vallad, Gary			
Well Name: PA			Well #: 333-2		API/UWI #: 05-045-20256		
Field: Parachute		City (SAP): TULSA		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39.504 deg. OR N 39 deg. 30 min. 14.422 secs.				Long: W 108.019 deg. OR W -109 deg. 58 min. 51.269 secs.			
Contractor: NABORS 574			Rig/Platform Name/Num: NABORS 574				
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	04/01/2013 12:00							ELITE # 9
Depart Yard Safety Meeting	04/01/2013 14:30							ALL HES EMPLOYEES CREW WAS ROLLED FROM OTHER LOCATION
Arrive At Loc	04/01/2013 16:00							RIG RUNNING CASING HES CREW WAS 1 HOUR LATE DUE TO BEING ROLLED HES WAITED OFF LOCATION FOR RIG TO FINISH CASING PER CO-REP REQUEST
Assessment Of Location Safety Meeting	04/01/2013 17:10							ALL HES EMPLOYEES
Pre-Rig Up Safety Meeting	04/01/2013 17:20							ALL HES EMPLOYEES
Rig-Up Equipment	04/01/2013 17:30							1 F-550 PICKUP 1 HT-400 PUMP TRUCK 2 660 BULK TRUCK, IRON TO STAND PIPE, SUCTION HOSE TO FRESH WATER SOURCE, BLUK HOSE TO BULK TRUCKS
Pre-Job Safety Meeting	04/01/2013 19:00							ALL HES EMPLOYEES AND RIG CREW
Start Job	04/01/2013 19:15							TD: 1650 TP: 1634 SJ: 45 CSG: 9 5/8 32.3# OH: 13 1/2 MUD WT 10.5 VISC: 50 RIG WILL CIRCULATE 30 MINS BEFORE CEMENT JOB

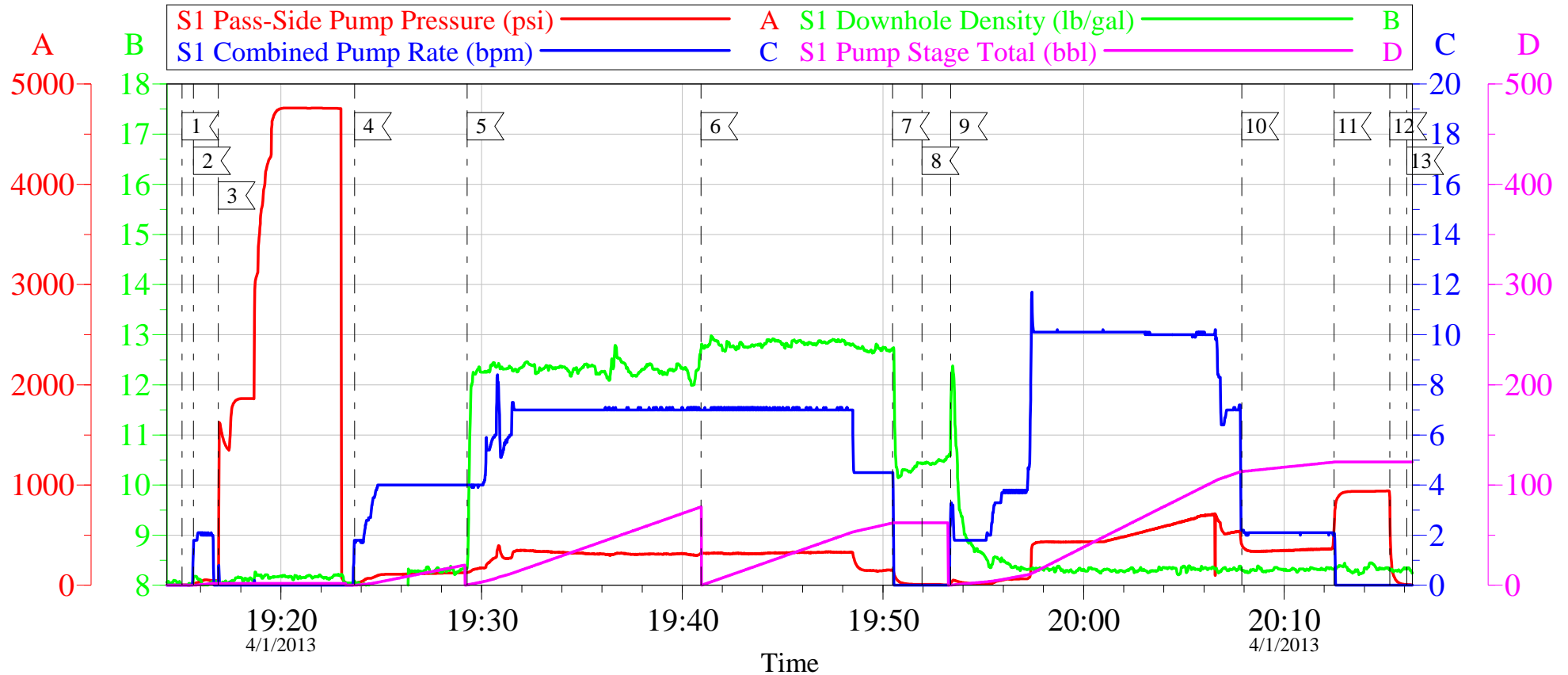
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Test Lines	04/01/2013 19:16					4762.0		PRESSURE TEST OK
Pump Spacer	04/01/2013 19:23		4	20	20		126.0	FRESH WATER SPACER
Pump Lead Cement	04/01/2013 19:29		7	78.4	78.4		310.0	185 SKS 12.3 PPG 2.38 YEILD 13.75 GAL / SK LEAD CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGH OUT LEAD CEMENT
Pump Tail Cement	04/01/2013 19:40		7	60.1	60.1		330.0	160 SKS 12.8 PPG 2.11 YEILD 11.75 GAL / SK TAIL CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGH OUT TAIL CEMENT
Shutdown	04/01/2013 19:50							SHUTDOWN END OFF CEMENT / READY TUB FOR DISPLACEMENT
Drop Plug	04/01/2013 19:51							PLUG AWAY NO PROBLEMS
Pump Displacement	04/01/2013 19:53		10	115.1	115.1		695.0	FRESH WATER DISPLACEMENT HES WASHED UP ONTO OF PLUG PER CO-REP REQUEST
Slow Rate	04/01/2013 20:07		2	10	10		346.0	SLOW RATE TO BUMP PLUG
Bump Plug	04/01/2013 20:12		2	125.1	125.1		370.0	BUMP PLUG @ 370 AND TOOK PRESSURE UP TO 940 PSI
Check Floats	04/01/2013 20:15							FLOATS HELD .5 BBL BACK TO DISPLACEMENT TANKS
End Job	04/01/2013 20:16							WELL HAD GOOD CIRCULATION THROUGH OUT CEMENT JOB GOT 10 BBLs OF CEMENT TO SURFACE RIG USED NO SUGAR TICEKT CHANGES: NO ADD HOURS, NO SUGAR , NO DERRICK CHARGE
Pre-Rig Down Safety Meeting	04/01/2013 20:20							ALL HES EMPLOYEES

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Rig-Down Equipment	04/01/2013 20:30							RIG FLOOR, IRON, SUCTION HOSES, BULK HOSE, WASH UP PUMP TRUCK
Pre-Convoy Safety Meeting	04/01/2013 20:50							ALL HES EMPLOYEES
Crew Leave Location	04/01/2013 21:00							THANKS FOR USING HALLIBURTON CEMENT CHRIS KUKUS AND CREW

WPX ENERGY / PA 333-2

9 5/8 SURFACE



Local Event Log

1 START JOB	19:15:04	2 FILL LINES	19:15:39
3 TEST LINES	19:16:52	4 PUMP FRESH WATER SPACER	19:23:40
5 PUMP LEAD CEMENT	19:29:17	6 PUMP TAIL CEMENT	19:40:56
7 SHUTDOWN	19:50:29	8 DROP PLUG	19:51:57
9 PUMP FRESH WATER DISPLACEMENT	19:53:22	10 SLOW RATE	20:07:53
11 BUMP PLUG	20:12:29	12 CHECK FLOATS	20:15:16
13 END JOB	20:16:07		

Customer: WPX ENERGY
Well Description: PA 333-2
Company Rep: GARY VALAD

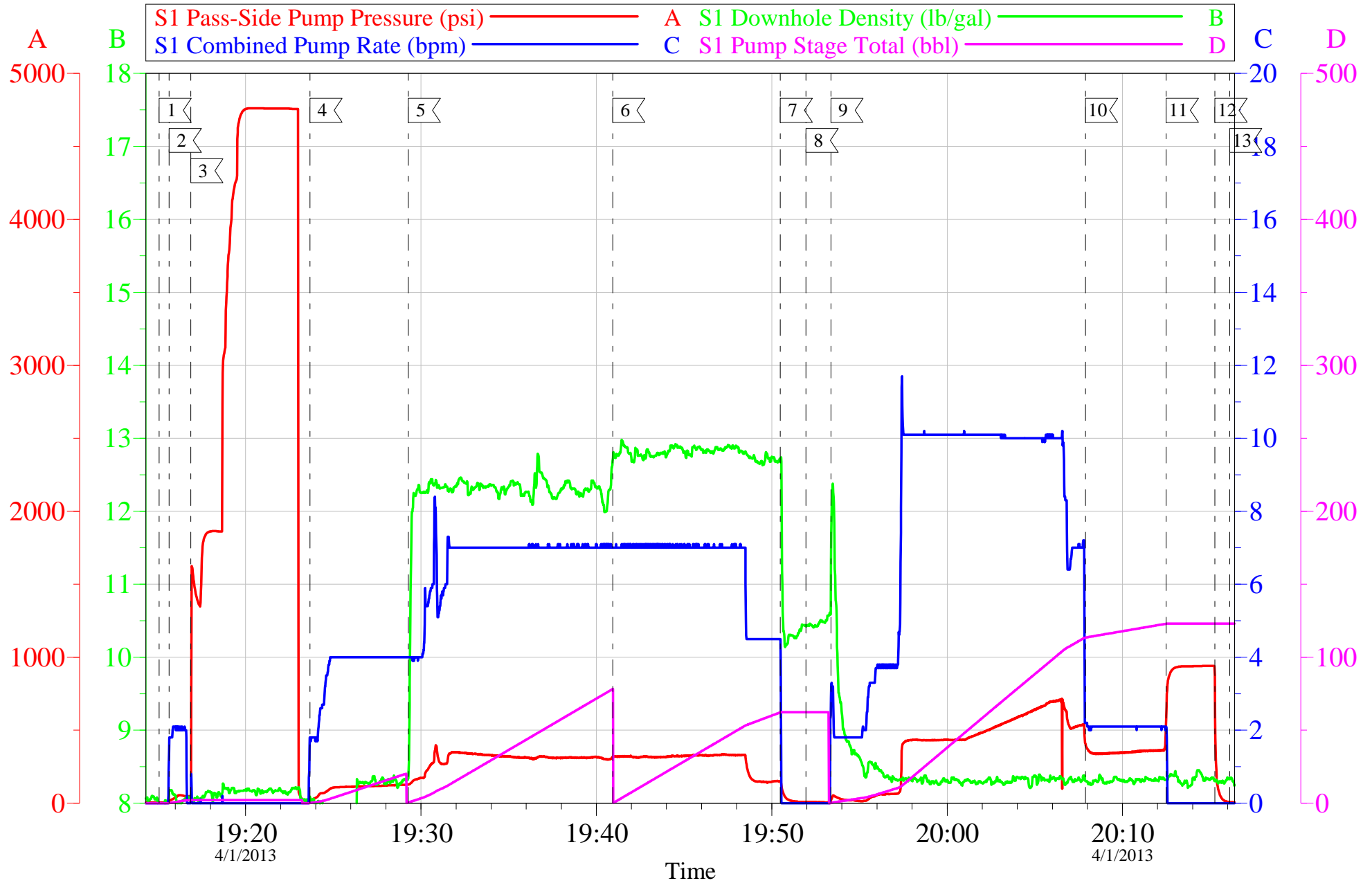
Job Date: 01-Apr-2013
Job Type: SURFACE
Cement Supervisor: CHRIS KUKUS

Sales Order #: 900329264
ADC Used: YES
Elite # 9: WESLEY GOWEN

OptiCem v6.4.10
01-Apr-13 20:26

WPX ENERGY / PA 333-2

9 5/8 SURFACE



Customer: WPX ENERGY
Well Description: PA 333-2
Company Rep: GARY VALAD

Job Date: 01-Apr-2013
Job Type: SURFACE
Cement Supervisor: CHRIS KUKUS

Sales Order #: 900329264
ADC Used: YES
Elite # 9: WESLEY GOWEN

OptiCem v6.4.10
01-Apr-13 20:27

HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: CHRIS KUKUS

Attention: J. TROUT/C.MARTINEZ

Lease PA

Well # 333-2

Date: 4/1/2013

Date Rec.: 4/1/2013

S.O.# 900329264

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>	500 Mg / L
Sulfates (SO ₄)	<i>1500</i>	UNDER 200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	54 Deg
Total Dissolved Solids		450 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 #: 900329264	Line Item: 10	Survey Conducted Date: 4/1/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-20256
Well Name: PA		Well Number: 333-2
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	4/1/2013
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)	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 #: 900329264	Line Item: 10	Survey Conducted Date: 4/1/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-20256
Well Name: PA		Well Number: 333-2
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	4/1/2013
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)	1.5
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)	Yes

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Customer Representative:		API / UWI: (leave blank if unknown) 05-045-20256
Well Name: PA		Well Number: 333-2
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	90
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