
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 334-2
PARACHUTE
Garfield County , Colorado**

Cement Surface Casing
13-Feb-2013

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2975105	Quote #:	Sales Order #: 900143487
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: Hudson, Matt		
Well Name: PA	Well #: 334-2	API/UWI #: 05-045-20881	
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.466 deg. OR N 39 deg. 27 min. 57.553 secs.	Long: W 107.954 deg. OR W -108 deg. 2 min. 45.366 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	Srv Supervisor: ARNOLD, EDWARD	MBU ID Emp #: 439784	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ARNOLD, EDWARD John	4	439784	SALAZAR, PAUL Omar	4	445614	SINCLAIR, DAN J	4	338784
ZUMWALT, ORVILLE Raymond	4	398157						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
	60 mile	10616651C	60 mile	11021972	60 mile	11027039	60 mile
11259882	60 mile	11360881	60 mile	11808827	60 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
2-13-2013	4	4						

TOTAL	Total is the sum of each column separately							
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Job

JOB						JOB TIME				
Formation Name							Date	Time	Time Zone	
Formation Depth (MD)	Top			Bottom		Called Out	13 - Feb - 2013	04:45	MST	
Form Type		BHST				On Location	13 - Feb - 2013	08:30	MST	
Job depth MD		1465. ft		Job Depth TVD		1465. ft	Job Started	13 - Feb - 2013	10:14	MST
Water Depth				Wk Ht Above Floor		3. ft	Job Completed	13 - Feb - 2013	11:18	MST
Perforation Depth (MD)	From			To		Departed Loc	13 - Feb - 2013	12:30	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
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	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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
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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	Water Spacer		20.00	bbl	8.33	.0	.0	4	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	195.0	sacks	12.3	2.38	13.75	7.5	13.75
3	Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	7.5	11.75
4	Displacement		110.00	bbl	8.33	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	110.9	Shut In: Instant		Lost Returns		Cement Slurry	142.7	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	20	Actual Displacement	110.9	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	273.5
Rates									
Circulating	RIG	Mixing	7.5	Displacement	10	Avg. Job	8		
Cement Left In Pipe	Amount	39.15FT	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

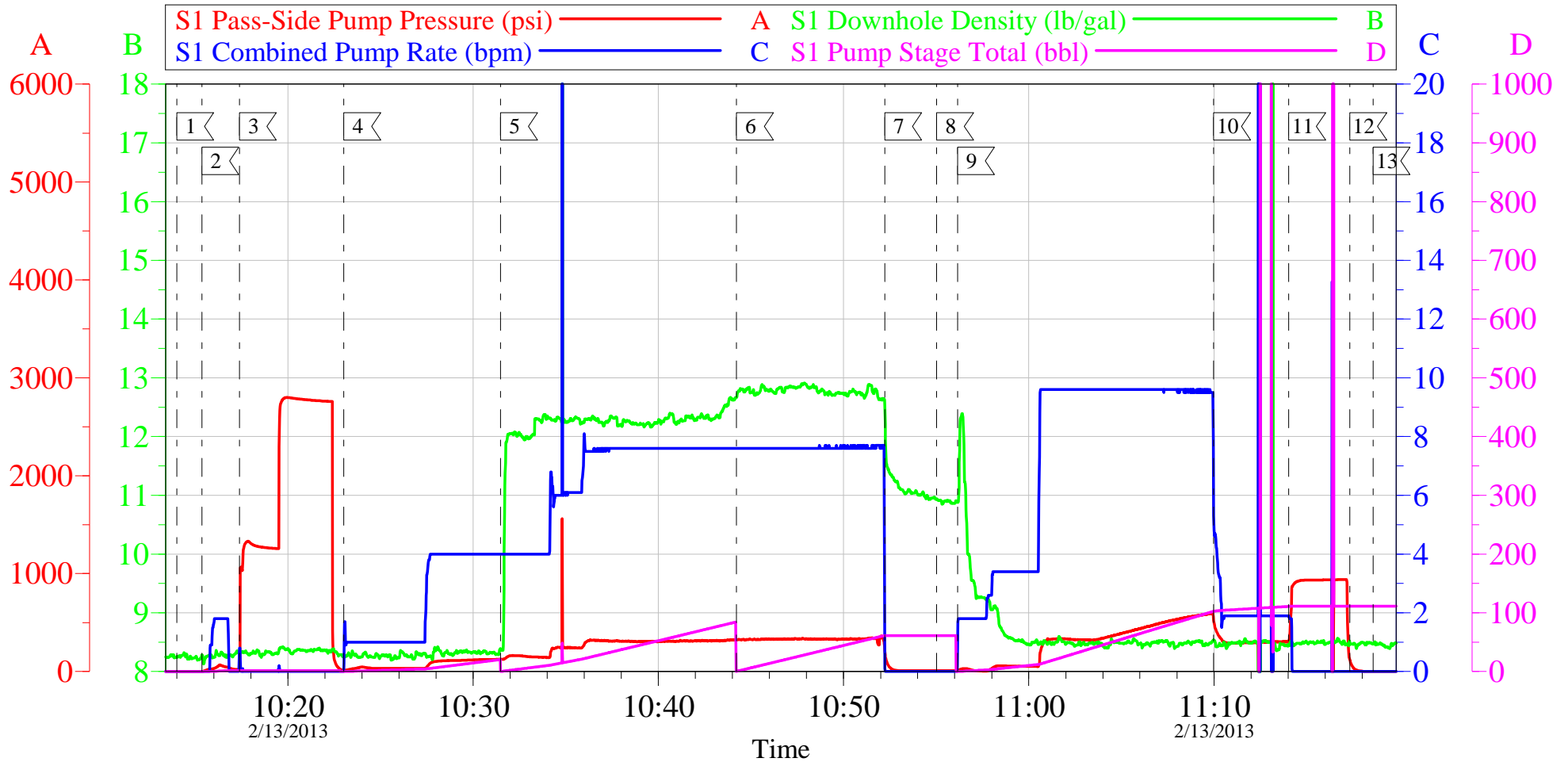
Sold To #: 300721		Ship To #: 2975105		Quote #:		Sales Order #: 900143487	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Hudson, Matt			
Well Name: PA			Well #: 334-2			API/UWI #: 05-045-20881	
Field: PARACHUTE		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39.466 deg. OR N 39 deg. 27 min. 57.553 secs.				Long: W 107.954 deg. OR W -108 deg. 2 min. 45.366 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			Srvc Supervisor: ARNOLD, EDWARD			MBU ID Emp #: 439784	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	02/13/2013 04:45							Crew called out.
Pre-Convoy Safety Meeting	02/13/2013 06:45							Including entire cement crew, discuss hazards, route, and safety.
Crew Leave Yard	02/13/2013 07:00							Leave yard for location.
Arrive At Loc	02/13/2013 08:30							
Assessment Of Location Safety Meeting	02/13/2013 08:35							Including entire cement crew, discussed hazards, and rig up.
Pre-Rig Up Safety Meeting	02/13/2013 08:40							
Rig-Up Equipment	02/13/2013 08:45							1 Elite # 4; 2 660 Bulk Truck; 1 hard line to rig floor; 1 line to rig tank; 1 line to upright; 1 9 5/8" compact head.
Rig-Up Completed	02/13/2013 09:40							
Pre-Job Safety Meeting	02/13/2013 09:45							Including everyone on location. Discussed hazards, emergency situations, and job procedure.
Start Job	02/13/2013 10:14							TD 1465; TP 1448; SJ 39.15; OH 13 1/2"; CASING 9 5/8" 32.3# H-40; MUD 10.3 PPG.
Pump Water	02/13/2013 10:15		2	2			63.0	Fresh water ahead to fill lines.
Test Lines	02/13/2013 10:17					2800.0		Test line to 2800 psi, Found no leaks, good test.

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 1	02/13/2013 10:23		4	20			115.0	20 BBL's fresh water.
Pump Lead Cement	02/13/2013 10:31		7.5	82.6			325.0	195 sks Lead cement, 12.3 ppg, 2.38 cf3, 13.75 gal/sk.
Pump Tail Cement	02/13/2013 10:44		7.5	60.1			333.0	160 sks Tail cement, 12.8 ppg, 2.11 cf3, 11.75 gal/sk.
Shutdown	02/13/2013 10:52							
Drop Plug	02/13/2013 10:55							Plug left Container.
Pump Displacement	02/13/2013 10:56		10	100.9			610.0	Fresh water displacement.
Slow Rate	02/13/2013 11:09		2	10			305.0	Slow rate last 10 BBL's of displacement prior to bumping the plug.
Bump Plug	02/13/2013 11:14				110.9		880.0	Plug landed. Took to 880 psi.
Check Floats	02/13/2013 11:17							Floats Held. 3/4 BBL's back. 20 BBL's of good cement to surface. Used 60 lbs. of sugar. No add hours or derrick charge.
End Job	02/13/2013 11:18							
Pre-Rig Down Safety Meeting	02/13/2013 11:20							Including entire cement crew, discussed hazards and safety.
Rig-Down Equipment	02/13/2013 11:25							
Pre-Convoy Safety Meeting	02/13/2013 12:15							Including entire cement crew, discussed hazards, route, and safety.
Crew Leave Location	02/13/2013 12:30							
Other	02/13/2013 12:30							Thank You for using Halliburton, Ed Arnold and Crew.

WPX - PA 334-2

9 5/8" SURFACE



Local Event Log

1 START JOB	10:14:00	2 FILL LINES	10:15:21	3 TEST LINES	10:17:23
4 H2O SPACER	10:23:01	5 LEAD CEMENT	10:31:29	6 TAIL CEMENT	10:44:13
7 SHUT DOWN	10:52:13	8 DROP PLUG	10:55:01	9 H2O DISPLACEMENT	10:56:09
10 SLOW RATE	11:09:59	11 BUMP PLUG	11:14:02	12 CHECK FLOATS	11:17:20
13 CHECK FLOATS	11:18:35				

Customer: WPX
Well Description: PA 334-2
Company Rep: MATT HUDSON

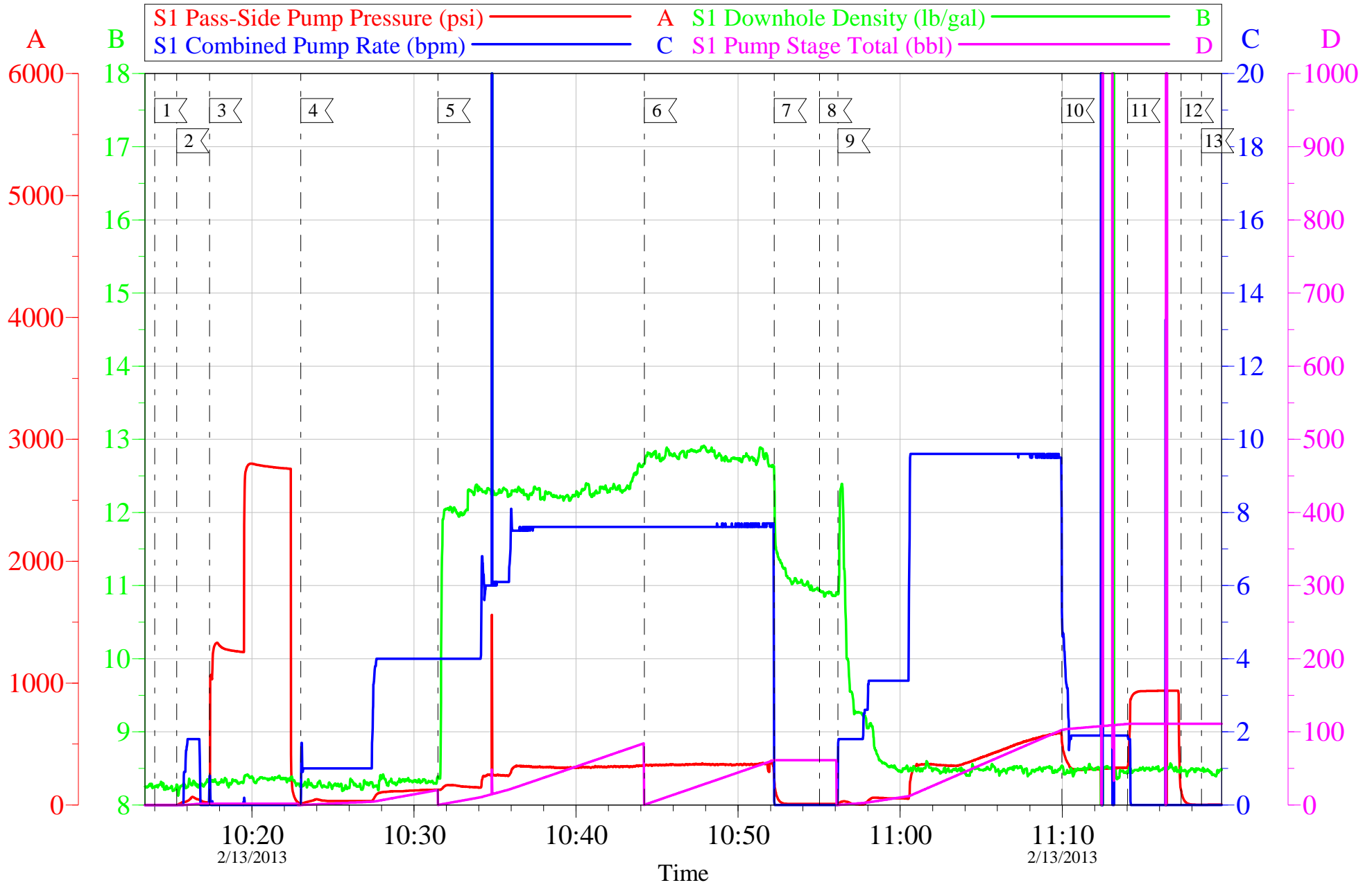
Job Date: 13-Feb-2013
Job Type: SURFACE
Cement Supervisor: ED ARNOLD

Sales Order #: 900143874
ADC Used: YES
Elite #4: PAUL SALAZAR

OptiCem v6.4.10
13-Feb-13 11:33

WPX - PA 334-2

9 5/8" SURFACE



Customer: WPX	Job Date: 13-Feb-2013	Sales Order #: 900143874
Well Description: PA 334-2	Job Type: SURFACE	ADC Used: YES
Company Rep: MATT HUDSON	Cement Supervisor: ED ARNOLD	Elite #4: PAUL SALAZAR

OptiCem v6.4.10
13-Feb-13 11:33

HALLIBURTON

Water Analysis Report

Company:	WPX	Date:	2/13/2013
Submitted by:	ED ARNOLD	Date Rec.:	2/13/2013
Attention:	J.TROUT	S.O.#	900143874
Lease	PA	Job Type:	SURFACE
Well #	334-2		

Specific Gravity	MAX	1
pH	8	7
Potassium (K)	5000	450 Mg / L
Calcium (Ca)	500	120 Mg / L
Iron (FE2)	300	0 Mg / L
Chlorides (Cl)	3000	0 Mg / L
Sulfates (SO ₄)	1500	<200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	40-80	50 Deg
Total Dissolved Solids		140 Mg / L

Respectfully: ED ARNOLD

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 #: 900143487	Line Item: 10	Survey Conducted Date: 2/13/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: MATT HUDSON		API / UWI: (leave blank if unknown) 05-045-20881
Well Name: PA		Well Number: 334-2
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	2/13/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	EDWARD ARNOLD (HX46731)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	MATT HUDSON
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	

CUSTOMER SIGNATURE

Sales Order #: 900143487	Line Item: 10	Survey Conducted Date: 2/13/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: MATT HUDSON		API / UWI: (leave blank if unknown) 05-045-20881
Well Name: PA		Well Number: 334-2
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 The date the survey was conducted	2/13/2013

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.	4
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	5
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

Sales Order #: 900143487	Line Item: 10	Survey Conducted Date: 2/13/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: MATT HUDSON		API / UWI: (leave blank if unknown) 05-045-20881
Well Name: PA		Well Number: 334-2
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	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	99
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