
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 311-27
Parachute
Garfield County , Colorado**

Cement Surface Casing
25-Aug-2013

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3096385	Quote #:	Sales Order #: 900684487
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Towers, Ron	
Well Name: PA		Well #: 311-27	API/UWI #:
Field: Parachute	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Contractor: Nabors		Rig/Platform Name/Num: Nabors 573	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc 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	8	439784	SALAZAR, PAUL Omar	8	445614	SMITH, CHRISTOPHER Scott	8	452619

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10867425	60 mile	10872429	60 mile	10897891	60 mile	10951249	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
2013-08-25	8	3						
TOTAL	<i>Total is the sum of each column separately</i>							

Job

JOB						JOB TIMES				
Formation Name							Date	Time	Time Zone	
Formation Depth (MD)		Top			Bottom		Called Out	24 - Aug - 2013	23:00	MST
Form Type				BHST			On Location	25 - Aug - 2013	03:00	MST
Job depth MD		2842. ft		Job Depth TVD		2842. ft	Job Started	25 - Aug - 2013	08:21	MST
Water Depth				Wk Ht Above Floor		3. ft	Job Completed	25 - Aug - 2013	09:55	MST
Perforation Depth (MD)		From			To		Departed Loc	25 - Aug - 2013	11:00	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
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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					Bridge Plug					Bottom Plug			
Float Collar					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

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom
1	Fresh Water Spacer		40.00	bbl	8.33	.0	.0	4	

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	
2	VersaCem GJ1 Lead Cement	VARICEM (TM) CEMENT (452009)	475.0	sacks	12.3	2.38	13.75	8	13.75	
	13.75 Gal	FRESH WATER								
3	VersaCemGJ1 Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	8	11.75	
	11.746 Gal	FRESH WATER								
4	Displacement Fluid		218.00	bbl	8.34	.0	.0	10.0		
Calculated Values		Pressures		Volumes						
Displacement	218.7	Shut In: Instant		Lost Returns		Cement Slurry	261.4	Pad		
Top Of Cement	SURFACE	5 Min		Cement Returns	30	Actual Displacement	218.7	Treatment		
Frac Gradient		15 Min		Spacers	40	Load and Breakdown		Total Job	520.1	
Rates										
Circulating	RIG	Mixing	8	Displacement	10	Avg. Job	9			
Cement Left In Pipe	Amount	42. 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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Well Name: PA			Well #: 311-27			API/UWI #:	
Field: Parachute		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat:				Long:			
Contractor: Nabors			Rig/Platform Name/Num: Nabors 573				
Job Purpose: Cement Surface Casing						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: MAYO, MARK			Srv 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	08/24/2013 23:00							
Pre-Convoy Safety Meeting	08/25/2013 00:45							Including entire cement crew.
Crew Leave Yard	08/25/2013 01:00							
Arrive At Loc	08/25/2013 02:45							Rig still Running casing.
Assessment Of Location Safety Meeting	08/25/2013 06:30							Water; PH 7.5; KCL 250; So4 <200; Fe 0; Calcuim 120; Chlorides 0; Temp 75; TDS 340.
Pre-Rig Up Safety Meeting	08/25/2013 06:45							Including entire cement crew.
Rig-Up Equipment	08/25/2013 07:00							1 Elite # 2; 1 660 bulk truck; 1 field storage silo; 1 hard line to floor; 1 line to upright; 1 line to rig tank. 9.625" compact head.
Rig-Up Completed	08/25/2013 08:00							
Pre-Job Safety Meeting	08/25/2013 08:10							Including everyone on location.
Start Job	08/25/2013 08:21							TD 2842; TP 2822; SJ 42; OH 13 1/2"; Casing 9.625" 32.3# H-40; Mud 10 ppg.
Pump Water	08/25/2013 08:22		2	2			120.0	Fill lines with fresh water.
Test Lines	08/25/2013 08:24					3280.0		Good pressure test, no leaks.
Pump Spacer 1	08/25/2013 08:29		4	40			225.0	40 BBL fresh water spacer.
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

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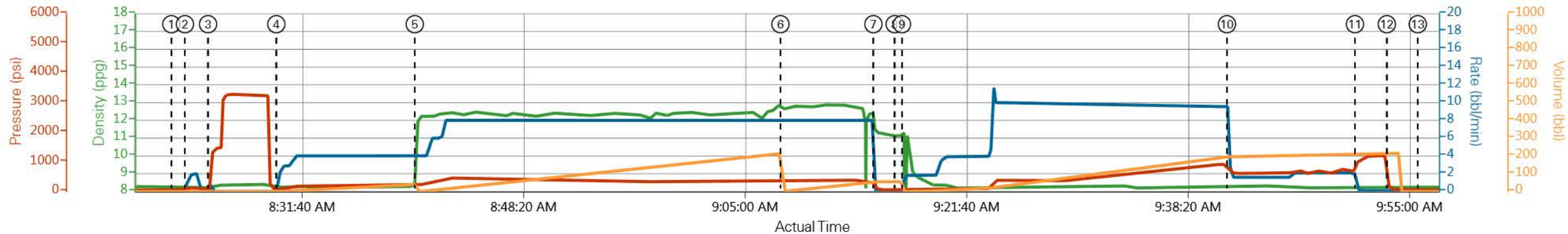
SUMMIT Version: 7.3.0106

Tuesday, August 27, 2013 03:36:00

Cementing Job Log

		#		Stage	Total	Tubing	Casing	
Pump Lead Cement	08/25/2013 08:40		8	201.3			420.0	475 sks Lead Cement, 12.3 ppg, 2.38 cf3, 13.5 gal/sk.
Pump Tail Cement	08/25/2013 09:07		8	60.1			380.0	160 sks Tail Cement, 12.8 ppg, 2.11 cf3, 11.75 gal/sk.
Shutdown	08/25/2013 09:14							
Drop Plug	08/25/2013 09:16							Plug left container.
Pump Displacement	08/25/2013 09:16		10	198.7			954.0	Fresh water displacement.
Slow Rate	08/25/2013 09:41		2	20			690.0	Slow rate last 20 BBL's of displacement prior to bumping the plug.
Bump Plug	08/25/2013 09:50				218.7		1206. 0	Bumped plug, took 500 PSI over.
Check Floats	08/25/2013 09:53							Floats held, 1 BBL back. 30 BBL.'s good cement to surface.
End Job	08/25/2013 09:55							
Pre-Rig Down Safety Meeting	08/25/2013 10:00							Including entire cement crew.
Rig-Down Equipment	08/25/2013 10:05							
Rig-Down Completed	08/25/2013 10:45							
Pre-Convoy Safety Meeting	08/25/2013 10:50							Including entire cement crew.
Crew Leave Location	08/25/2013 11:00							Crew leave location for Service Center or another location.
Other	08/25/2013 11:00							Thank You for using Halliburton. Ed Arnold and Crew.

WPX - PA 311-27 - 9 5/8" SURFACE



① Prime Pumps ② Fill Lines ③ Test Lines ④ Pump Spacer 1 ⑤ Pump Lead Cement ⑥ Pump Tail Cement ⑦ Shutdown ⑧ Drop Top Plug ⑨ Pump Displacement ⑩ Slow Rate ⑪ Bump Plug ⑫ Check Floats ⑬ End Job

▼ **Halliburton** | iCem Service®

Created: 2013-08-25 07:38:28 , Version: 1.4.96

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-
EBUS

Job Date: 8/25/2013 7:42:10 AM

Well: PA 311-27

Representative: HARRY SAMPSON

Sales Order #: 900684487

ELITE #2: ED ARNOLD / CHRIS SMITH

Sales Order #: 900684487	Line Item: 10	Survey Conducted Date: 8/25/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) AFEYCMGTUJKVAMIVAAA
Well Name: PA		Well Number: 311-27
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	8/25/2013
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)	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

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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	8/25/2013
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	Deviated
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	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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Customer Representative:		API / UWI: (leave blank if unknown) AFEYCMGTUJKVAMIVAAA
Well Name: PA		Well Number: 311-27
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	95
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