
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 614-29
PARACHUTE
Garfield County , Colorado**

Cement Surface Casing **23-Mar-2012**

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2912141	Quote #:	Sales Order #: 9321635
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: Towers, Ron		
Well Name: PA	Well #: 614-29	API/UWI #: 05-045-19532	
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39 deg. OR N 39 deg. 0 min. 0 secs.	Long: W 108.023 deg. OR W -109 deg. 58 min. 36.635 secs.		
Contractor: NABORS 573	Rig/Platform Name/Num: NABORS 573		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: MAYO, MARK	Srv Supervisor: ANGLESTEIN, TROY	MBU ID Emp #: 436099	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANGLESTEIN, TROY Edward WM	11	436099	BANKS, BRENT A	11	371353	MUHLESTEIN, RYAN Herrick	11	453609
WYCKOFF, RYAN Scott	2	476117						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10001431	60 mile	10867322	60 mile	10998512	60 mile	11259882	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
3/22/2012	1	0	3/23/2012	10	1.5			

TOTAL Total is the sum of each column separately

Job				Job Times			
Formation Name				Date	Time	Time Zone	
Formation Depth (MD)	Top		Bottom	Called Out	22 - Mar - 2012	19:40	MST
Form Type	BHST			On Location	22 - Mar - 2012	23:00	MST
Job depth MD	2385. ft			Job Started	23 - Mar - 2012	07:15	MST
Water Depth	Wk Ht Above Floor			Job Completed	23 - Mar - 2012	08:34	MST
Perforation Depth (MD)	From		To	Departed Loc	23 - Mar - 2012	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
-------------	------------	-------------------	---------	-------	---------------	--------	-------	-----------	--------------	------------	---------------

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 ft ³ /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 lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water		20.00	bbl	8.33	.0	.0	6	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	400.0	sacks	12.3	2.38	13.75	8	13.75
3	Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	8	11.75
4	Displacement Fluid		183.00	bbl	8.34	.0	.0	8	
Calculated Values		Pressures		Volumes					
Displacement	182.8	Shut In: Instant		Lost Returns	0	Cement Slurry	229.7	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	18	Actual Displacement	182.8	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	433
Rates									
Circulating	11	8		Displacement	10/8	Avg. Job		8	
Cement Left In Pipe	Amount	43 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					

The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 2912141		Quote #:		Sales Order #: 9321635	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Towers, Ron			
Well Name: PA			Well #: 614-29			API/UWI #: 05-045-19532	
Field: PARACHUTE		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39 deg. OR N 39 deg. 0 min. 0 secs.				Long: W 108.023 deg. OR W -109 deg. 58 min. 36.635 secs.			
Contractor: NABORS 573			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			Srvc Supervisor: ANGLESTEIN, TROY			MBU ID Emp #: 436099	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/22/2012 19:40							
Pre-Convoy Safety Meeting	03/22/2012 21:30							ALL HES EMPLOYEES
Arrive At Loc	03/22/2012 23:00							RIG STILL RUNNING CASING CIRCULATED FOR 1 1/2 HOURS
Assessment Of Location Safety Meeting	03/22/2012 23:10							ALL HES EMPLOYEES
Rig-Up Equipment	03/23/2012 00:00							1 HT 400 PUMP TRUCK, 2 660 BULK TRUCKS, 1 9.625 QUICK LATCH PLUG CONTAINER, 1 F 550 P/U
Pre-Job Safety Meeting	03/23/2012 02:38							ALL HES EMPLOYEES, RIG CREW, CO REP.
Start Job	03/23/2012 07:15							9.625 CASING SET AT 2366', FC 2323', TD: 2385, OPEN HOLE 13.5", MUD WT 10.3 PPG, 600 BBLS OF H2O ON LOCATION, WATER SAMPLE SUBMITTED. CASING WAS RECIPROCATED THROUGHOUT JOB
Pump Water	03/23/2012 07:15		2	2			142.0	FILL LINES
Pressure Test	03/23/2012 07:17		0.5	0.5		3005.0		NO LEAKS
Pump Spacer 1	03/23/2012 07:22		4	20			340.0	FRESH WATER
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Sold To # : 300721

Ship To # :2912141

Quote # :

Sales Order # : 9321635

SUMMIT Version: 7.3.0021

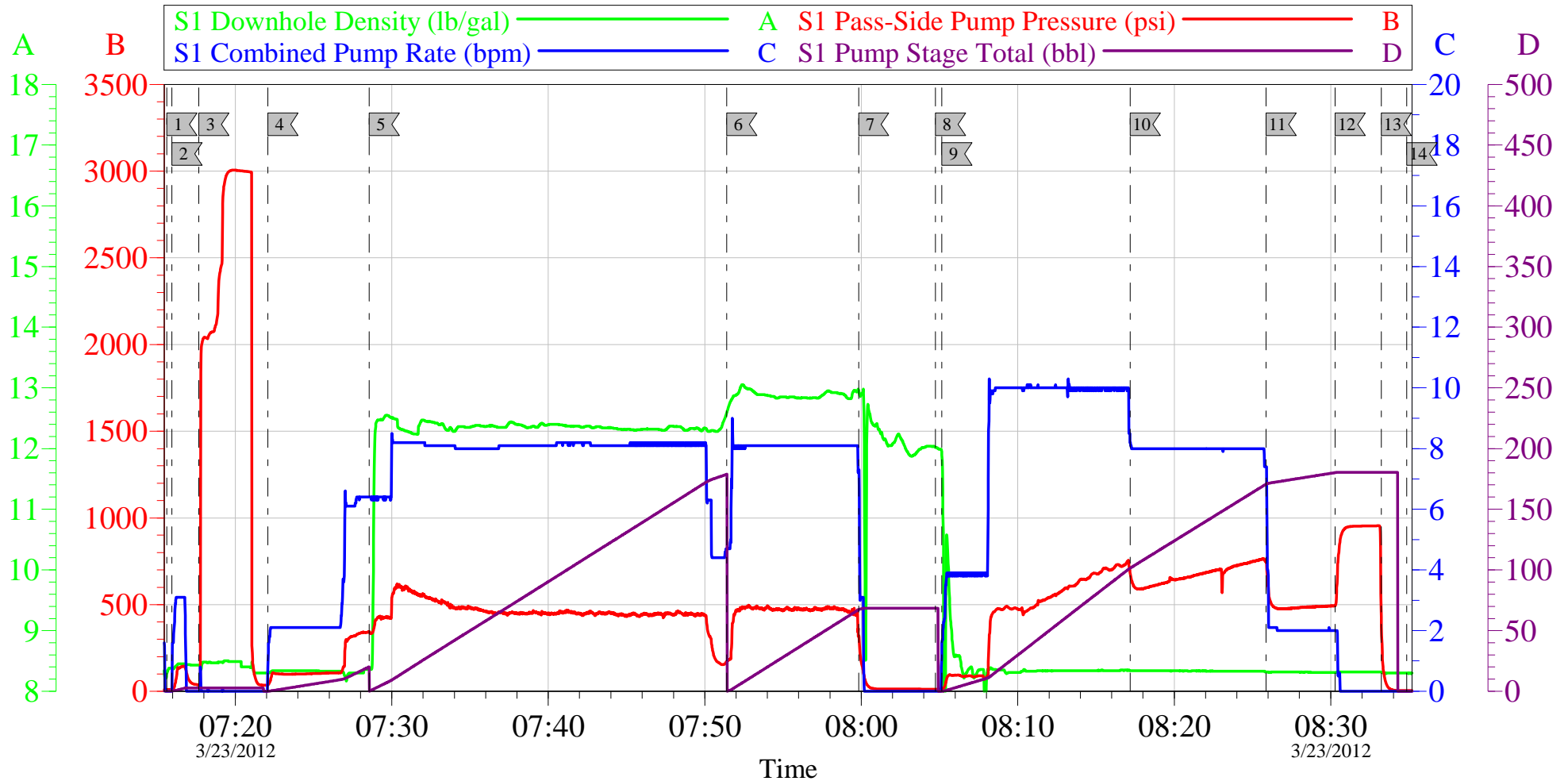
Friday, March 23, 2012 09:08:00

Pump Lead Cement	03/23/2012 07:28		8	169.6			450.0	400 SKS VERSACEM CMT TO BE MIXED AT 12.3 PPG, 2.38 YIELD, 13.75 GAL/SK, CMT TO BE WEIGHED VIA PRESSURE BALANCED MUD SCALES WET AND DRY SAMPLES SUBMITTED
Pump Tail Cement	03/23/2012 07:51		8	60.1			470.0	160 SKS VERSACEM CMT TO BE MIXED AT 12.8 PPG, 2.11 YIELD, 11.75 GAL/SK, CMT TO BE WEIGHED VIA PRESSURE BALANCED MUD SCALES. WET AND DRY SAMPLES SUBMITTED.
Shutdown	03/23/2012 07:59							FOR NO MORE THEN 5 MINUTES,
Drop Plug	03/23/2012 08:04							PLUG LAUNCHED
Pump Displacement	03/23/2012 08:05		8	182.8			760.0	FRESHWATER, HES HAD TO SLOW RATE TO 8 BPM 100BLS INTO DISPLACEMENT SO RIG DREDGE PUMP COULD HANDLE RETURNS
Cement Returns to Surface	03/23/2012 08:19		8	164			750.0	18 BBLS OF CEMENT TO SURFACE.
Slow Rate	03/23/2012 08:25		2	172			465.0	10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	03/23/2012 08:30		2	182.8			495.0	PLUG LANDED AT 950 HELD FOR TWO MINUTES
Check Floats	03/23/2012 08:33							FLOATS HOLDING, NO ANNULAR FLOW AT SHAKERS NOTED
End Job	03/23/2012 08:34							THANK YOU FOR USING HES FROM TROY ANGLESTEIN AND CREW.
Post-Job Safety Meeting (Pre Rig-Down)	03/23/2012 08:45							ALL HES EMPLOYEES
Rig-Down Equipment	03/23/2012 09:00							SAFELY
Pre-Convoy Safety Meeting	03/23/2012 09:50							ALL HES EMPLOYEES

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Crew Leave Location	03/23/2012 10:00							SITE WAS AS CLEAN AS WHEN WE ARRIVED

WILLIAMS PA 614-29 SURFACE

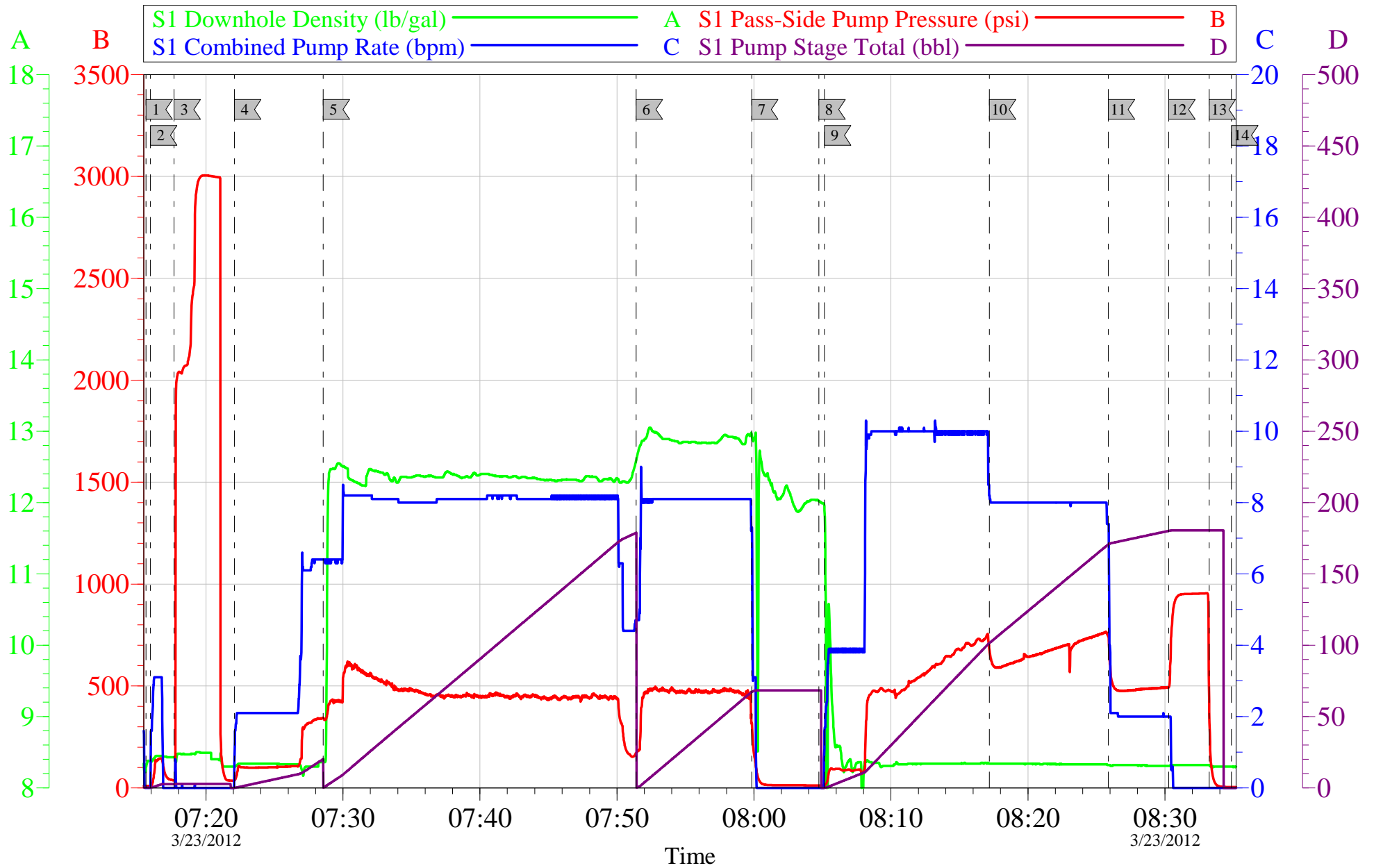


Local Event Log								
1	START JOB	07:15:37	2	FILL LINES	07:15:57	3	TEST LINES	07:17:40
4	PUMP H2O SPACER	07:22:05	5	PUMP LEAD CEMENT	07:28:33	6	PUMP TAIL CEMENT	07:51:24
7	SHUTDOWN	07:59:50	8	DROP PLUG	08:04:44	9	PUMP DISPLACEMENT	08:05:09
10	SLOW RATE	08:17:11	11	SLOW RATE	08:25:52	12	BUMP PLUG	08:30:17
13	CHECK FLOATS	08:33:13	14	END JOB	08:34:52			

Customer: WILLIAMS	Job Date: 23-Mar-2012	Sales Order #: 9321635
Well Description: PA 614-29	Job Type: SURFACE	ADC Used: YES
Company Rep: RON TOWERS	Cement Supervisor: TROY ANGLESTEIN	Elite #: 7 BRENT BANKS

OptiCem v6.4.10
23-Mar-12 08:41

WILLIAMS PA 614-29 SURFACE



Customer: WILLIAMS	Job Date: 23-Mar-2012	Sales Order #: 9321635
Well Description: PA 614-29	Job Type: SURFACE	ADC Used: YES
Company Rep: RON TOWERS	Cement Supervisor: TROY ANGLESTEIN	Elite #: 7 BRENT BANKS

OptiCem v6.4.10
23-Mar-12 08:41

HALLIBURTON

Water Analysis Report

Company: WILLIAMS
Submitted by: TROY ANGLESTEIN
Attention: LAB
Lease: PA
Well #: 614-29

Date: 3/23/2012
Date Rec.: 3/23/2012
S.O.#: 9321635
Job Type: SURFACE

Specific Gravity	<i>MAX</i>	<i>1</i>
pH	<i>8</i>	<i>6.5</i>
Potassium (K)	<i>5000</i>	<i>220</i> Mg / L
Hrdness	<i>500</i>	<i>0</i> Mg / L
Iron (FE2)	<i>300</i>	<i>200</i> Mg / L
Chlorides (Cl)	<i>3000</i>	<i>0</i> Mg / L
Sulfates (SO ₄)	<i>1500</i>	<i><200</i> Mg / L
Temp	<i>40-80</i>	<i>63</i> Deg
Total Dissolved Solids		<i>300</i> Mg / L

Respectfully: TROY ANGLESTEIN

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 repor

Sales Order #: 9321635	Line Item: 10	Survey Conducted Date: 3/23/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: RON TOWERS		API / UWI: (leave blank if unknown) 05-045-19532
Well Name: PA		Well Number: 614-29
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	3/23/2012
Survey Interviewer	The survey interviewer is the person who initiated the survey.	TROY ANGLESTEIN (HX45574)
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	

CUSTOMER SIGNATURE

Sales Order #: 9321635	Line Item: 10	Survey Conducted Date: 3/23/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: RON TOWERS		API / UWI: (leave blank if unknown) 05-045-19532
Well Name: PA		Well Number: 614-29
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	3/23/2012

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	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 #: 9321635	Line Item: 10	Survey Conducted Date: 3/23/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: RON TOWERS		API / UWI: (leave blank if unknown) 05-045-19532
Well Name: PA		Well Number: 614-29
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	97
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	97
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