
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 323-29
PARACHUTE
Garfield County , Colorado**

**Cement Surface Casing
09-Feb-2012**

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2903406	Quote #:	Sales Order #: 9217435
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Harrison, Jeremy	
Well Name: PA		Well #: 323-29	API/UWI #: 05-045-19524
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.49 deg. OR N 39 deg. 29 min. 23.5 secs.		Long: W 108.023 deg. OR W -109 deg. 58 min. 36.959 secs.	
Contractor: NABORS		Rig/Platform Name/Num: NABORS 577	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: SCOTT, KYLE		Srvc 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	7	436099	JENSEN, JESSE Robert	7	478774	WYCKOFF, RYAN Scott	7	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	11259884	60 mile	11360871	60 mile	11749220	60 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
2/9/2012	7	2						
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	09 - Feb - 2012	07:00	MST
Form Type	BHST		Job Started	09 - Feb - 2012	11:19	MST
Job depth MD	2229. ft	Job Depth TVD	2229. ft	Job Completed	09 - Feb - 2012	12:35
Water Depth		Wk Ht Above Floor	4. ft	Departed Loc	09 - Feb - 2012	02:00
Perforation Depth (MD)	From	To				

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				.	2229.		
Surface Casing	Unknown		9.625	9.001	32.3		H-40	.	2217.		

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	4.5	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	4.5	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	Fresh Water		20.00	bbl	8.33	.0	.0	4	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	370.0	sacks	12.3	2.38	13.75	8	13.75
		13.75 Gal	FRESH WATER						
3	Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	8	11.75
		11.75 Gal	FRESH WATER						
4	Displacement Fluid		171.00	bbl	8.34	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	171.6	Shut In: Instant		Lost Returns	0	Cement Slurry	216.9	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	25	Actual Displacement	171.6	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	409
Rates									
Circulating	18	Mixing	8	Displacement	10	Avg. Job	8		
Cement Left In Pipe	Amount	30.98 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					

The Road to Excellence Starts with Safety

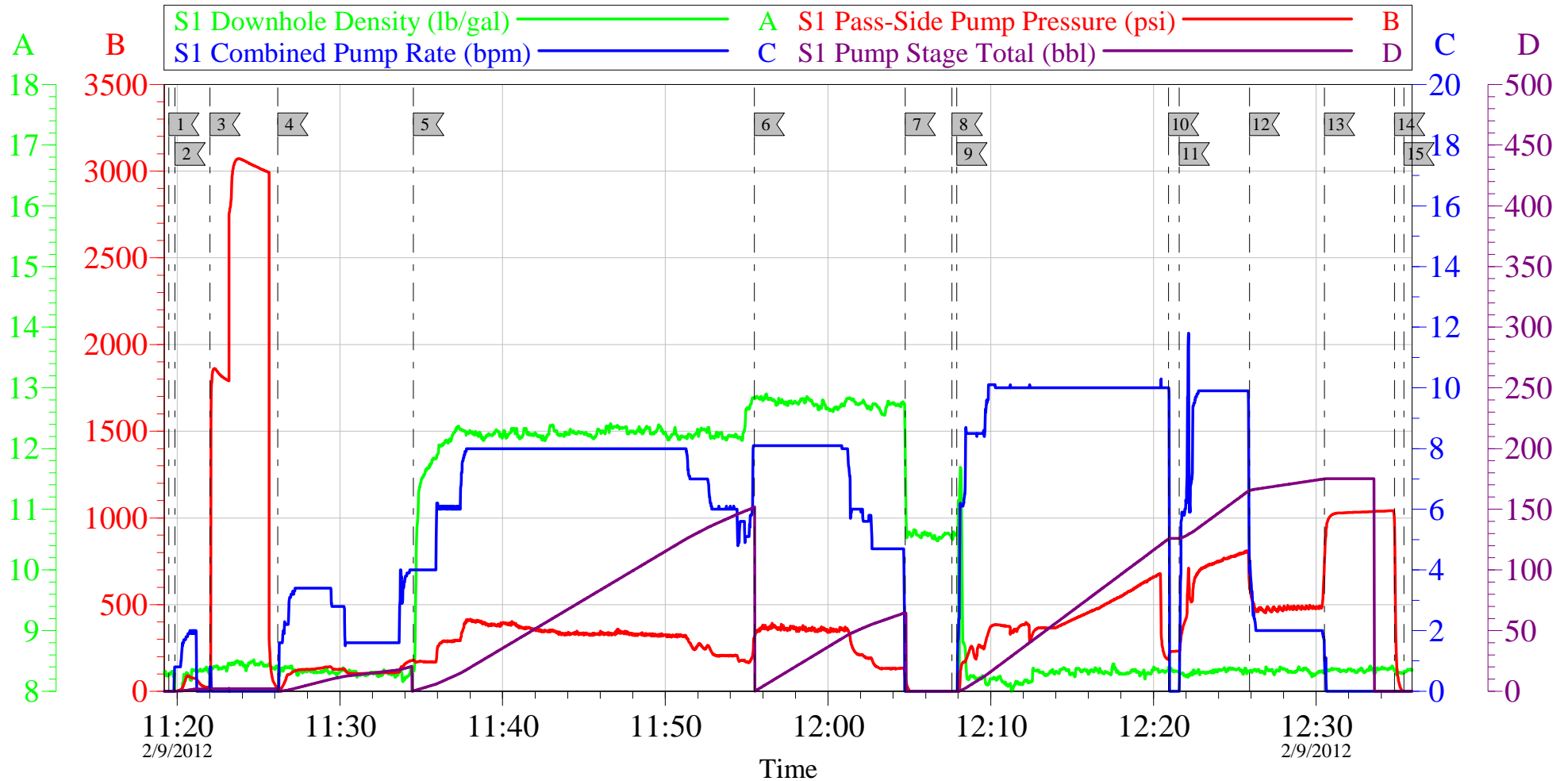
Sold To #: 300721		Ship To #: 2903406		Quote #:		Sales Order #: 9217435	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Harrison, Jeremy			
Well Name: PA			Well #: 323-29			API/UWI #: 05-045-19524	
Field: PARACHUTE		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39.49 deg. OR N 39 deg. 29 min. 23.5 secs.				Long: W 108.023 deg. OR W -109 deg. 58 min. 36.959 secs.			
Contractor: NABORS			Rig/Platform Name/Num: NABORS 577				
Job Purpose: Cement Surface Casing						Ticket Amount:	
Well Type: Development Well				Job Type: Cement Surface Casing			
Sales Person: SCOTT, KYLE				Srv 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	02/09/2012 02:30							
Pre-Convoy Safety Meeting	02/09/2012 05:00							ALL HES EMPLOYEES
Arrive At Loc	02/09/2012 07:00							RIG STILL RUNNING CASING CIRCULATED FOR 1 HOURS. KEPT EQUIPMENT OFF LOCATION TILL 09:00 DUE TO WATER TRUCKS ON LOCATION
Assessment Of Location Safety Meeting	02/09/2012 07:15							ALL HES EMPLOYEES
Rig-Up Equipment	02/09/2012 09:00							1 HT 400 PUMP TRUCK, 1 660 BULK TRUCK, 1 FIELD SILO, 1 9.625 QUICK LATCH PLUG CONTAINER, 1 F 550 P/U
Pre-Job Safety Meeting	02/09/2012 11:00							ALL HES EMPLOYEES, RIG CREW, CO REP.
Start Job	02/09/2012 11:19							9.625 CASING SET AT 2217', FC 2080.02', TD: 2229, OPEN HOLE 13.5", MUD WT 10.4 PPG, 800 BBLs OF H2O ON LOCATION, WATER SAMPLE SUBMITTED.
Pump Water	02/09/2012 11:19		2	2			100.0	FILL LINES
Pressure Test	02/09/2012 11:22		0.5	0.5		3052.0		NO LEAKS
Pump Spacer 1	02/09/2012 11:26		4	20			150.0	FRESH WATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	02/09/2012 11:34		8	156.8			350.0	370 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	02/09/2012 11:55		8	60.1			308.0	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	02/09/2012 12:04							FOR NO MORE THEN 5 MINUTES,
Drop Plug	02/09/2012 12:07							PLUG LAUNCHED
Pump Displacement	02/09/2012 12:07		10	171.6			800.0	FRESHWATER
Shutdown	02/09/2012 12:20							HES PUMP TRUCK KICKED OUT OF GEAR UNEXPECTEDLY 130 BBLs INTO DISPLACEMENT
Resume	02/09/2012 12:21							HES KICKED PUMPS BACK IN GEAR IMMEDIATELY AND RESUMED PUMPING DISPLACEMENT.
Cement Returns to Surface	02/09/2012 12:22		10	135			710.0	25 BBLs OF CEMENT TO SURFACE.
Slow Rate	02/09/2012 12:25		2	161			480.0	10 BBLs PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	02/09/2012 12:30		2	171.6			490.0	PLUG LANDED AT 1033 HELD FOR TWO MINUTES
Check Floats	02/09/2012 12:34							FLOATS HOLDING, NO ANNULAR FLOW NOTED
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

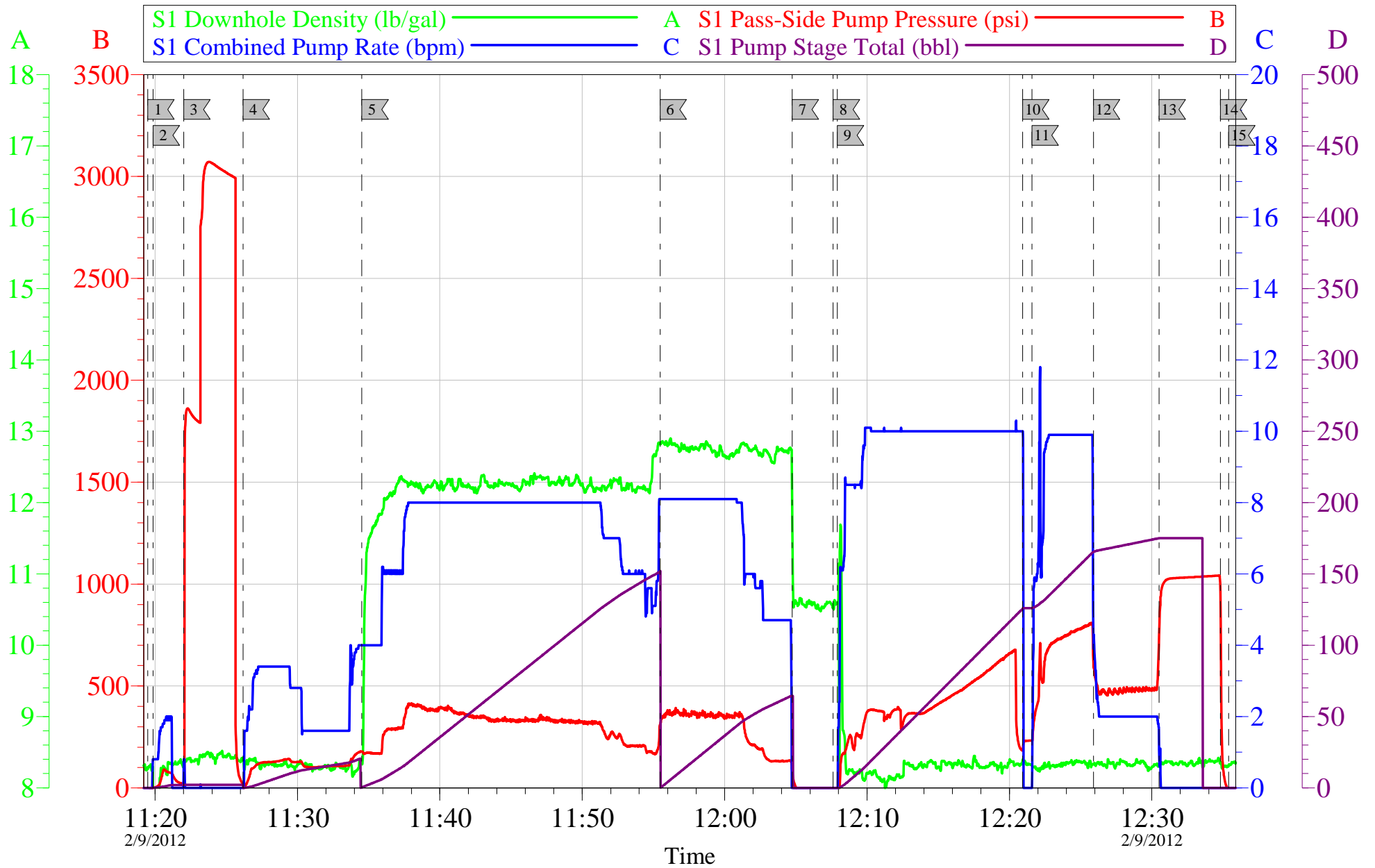
		#		Stage	Total	Tubing	Casing	
End Job	02/09/2012 12:35							THANK YOU FOR USING HES FROM TROY ANGLESTEIN AND CREW.
Post-Job Safety Meeting (Pre Rig-Down)	02/09/2012 12:40							ALL HES EMPLOYEES
Rig-Down Equipment	02/09/2012 13:30							SAFELY
Pre-Convoy Safety Meeting	02/09/2012 13:40							ALL HES EMPLOYEES
Crew Leave Location	02/09/2012 14:00							SITE WAS AS CLEAN AS WHEN WE ARRIVED

WILLIAMS PA 323-29 SURFACE



Customer: WILLIAMS	Job Date: 09-Feb-2012	Sales Order #: 9217435
Well Description: PA 323-29	Job Type: SURFACE	ADC Used: YES
Company Rep: JEREMY HARRISON	Cement Supervisor: TROY ANGLESTEIN	Elite #: 1 JESSE JENSEN

WILLIAMS PA 323-29 SURFACE



Customer: WILLIAMS	Job Date: 09-Feb-2012	Sales Order #: 9217435
Well Description: PA 323-29	Job Type: SURFACE	ADC Used: YES
Company Rep: JEREMY HARRISON	Cement Supervisor: TROY ANGLESTEIN	Elite #: 1 JESSE JENSEN

OptiCem v6.4.10
09-Feb-12 13:16

HALLIBURTON

Water Analysis Report

Company: WILLIAMS
Submitted by: TROY ANGLESTEIN
Attention: LAB
Lease: PA
Well #: 323-29

Date: 2/10/2012
Date Rec.: _____
S.O.#: 9217435
Job Type: SURFACE

Specific Gravity	MAX	1
pH	8	6
Potassium (K)	5000	<500 Mg / L
Calcium (Ca)	500	250 Mg / L
Iron (FE2)	300	0 Mg / L
Chlorides (Cl)	3000	0 Mg / L
Sulfates (SO ₄)	1500	<250 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	40-80	50 Deg
Total Dissolved Solids		400 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 report or its use.

Sales Order #: 9217435	Line Item: 10	Survey Conducted Date: 2/9/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JEREMY HARRISON		API / UWI: (leave blank if unknown) 05-045-19524
Well Name: PA		Well Number: 323-29
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	2/9/2012
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	JEREMY HARRISON
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

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Customer Representative: JEREMY HARRISON		API / UWI: (leave blank if unknown) 05-045-19524
Well Name: PA		Well Number: 323-29
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	2/9/2012

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.	1

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Customer Representative: JEREMY HARRISON		API / UWI: (leave blank if unknown) 05-045-19524
Well Name: PA		Well Number: 323-29
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

Reason For Unplanned Shutdown Reason For Unplanned Shutdowns (after Starting To Pump)	PUMP KICKED OUT OF GEAR DURING DISPLACEMENT REASON UNKNOWN. NO HIGH PRESSURE OR TEMPERATURES WERE REACHED.
Was this a Primary Cement Job (Yes / No) Primary Cement Job= Casing job, Liner job, or Tie-back job.	Yes
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	98
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