
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 513-29
PARACHUTE
Garfield County , Colorado**

Cement Surface Casing
17-Apr-2012

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 300721	Quote #:	Sales Order #: 9415357
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Towers, Ron	
Well Name: PA		Well #: 513-29	API/UWI #: 05-045-19539
Field: PARACHUTE	City (SAP): Parachute	County/Parish: Garfield	State: Colorado
Lat: N 39.49 deg. OR N 39 deg. 29 min. 23.852 secs.		Long: W 108.023 deg. OR W -109 deg. 58 min. 36.455 secs.	
Contractor: NABORS 577		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: TRIPLETT, MICHEAL	MBU ID Emp #: 447908

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HARDRICK, RAYMOND Frank	13.5	391324	ROMKEE, DALE Alan	13.5	488215	TRIPLETT, MICHEAL Anthony	13.5	447908
WEAVER, CARLTON Russell	13.5	457698						

Equipment

HES Unit #	Distance-1 way						
10804567	60 mile	10867094	60 mile	10872429	60 mile	10897925	60 mile
10951245	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
04/17/2012	13.5	2						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type	BHST		On Location	17 - Apr - 2012	04:30	MST
Job depth MD	2570. ft	Job Depth TVD	Job Started	17 - Apr - 2012	15:57	MST
Water Depth		Wk Ht Above Floor	Job Completed	17 - Apr - 2012	17:25	MST
Perforation Depth (MD)	<i>From</i>	<i>To</i>	Departed Loc	17 - Apr - 2012	18:15	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			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
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			4	
2	VersaCem Lead	VERSACEM (TM) SYSTEM (452010)	455.0	sacks	12.3	2.38	13.75	8	13.75
	13.75 Gal	FRESH WATER							
3	VersaCem Tail	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	8	11.75
	11.75 Gal	FRESH WATER							
4	Displacement Fluid		195.00	bbl	8.34			10	
Calculated Values		Pressures		Volumes					
Displacement	195.2	Shut In: Instant		Lost Returns	0	Cement Slurry	255	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	44	Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	440
Rates									
Circulating	8	Mixing		8	Displacement	10	Avg. Job		9
Cement Left In Pipe	Amount	30 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 #: 300721	Quote #:	Sales Order #: 9415357
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Towers, Ron	
Well Name: PA		Well #: 513-29	API/UWI #: 05-045-19539
Field: PARACHUTE	City (SAP): Parachute	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.49 deg. OR N 39 deg. 29 min. 23.852 secs.		Long: W 108.023 deg. OR W -109 deg. 58 min. 36.455 secs.	
Contractor: NABORS 577		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		Srvc Supervisor: TRIPLETT, MICHEAL	MBU ID Emp #: 447908

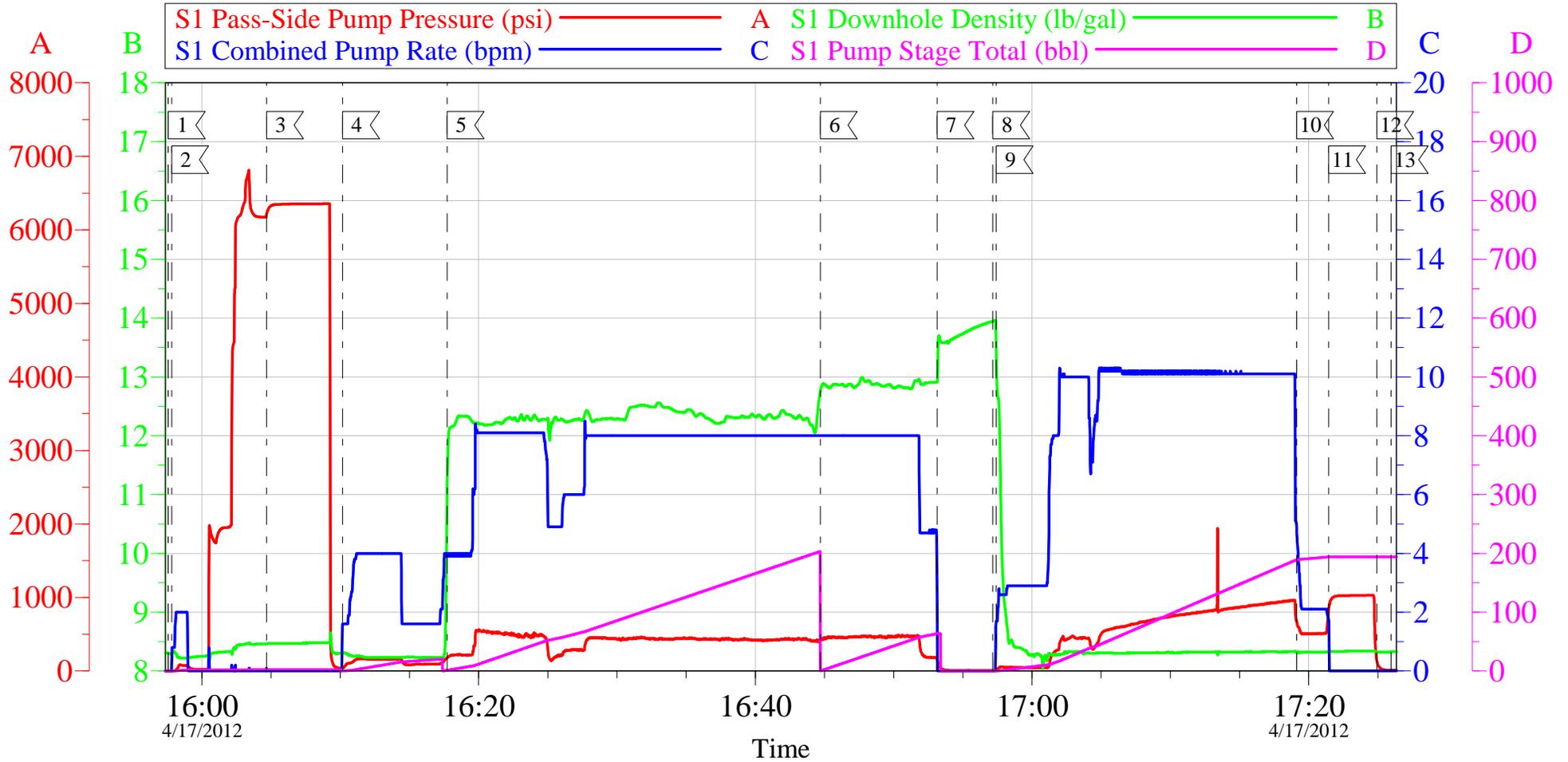
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	04/17/2012 01:00							9 5/8 SURFACE, WILLIAMS, NABORS 577, PA 513-29.
Pre-Convoy Safety Meeting	04/17/2012 03:00							ENTIRE CREW, OBSERVE ALL SAFE DRIVING PROCEDURES
Arrive At Loc	04/17/2012 04:30							ARRIVED EARLY. RIG JUST STARTING CASING.
Assessment Of Location Safety Meeting	04/17/2012 04:35							REVIEWED EMERGENCY PLAN, ASSESSED WORK AREA AND SPOTTED EQUIPMENT.
Pre-Rig Up Safety Meeting	04/17/2012 14:00							ENTIRE CREW, WALKED THROUGH RIG UP LOOKING FOR HAZARDS.
Rig-Up Equipment	04/17/2012 14:15							1 PICK UP, 1 HT400 PUMP TRUCK, 2 660 BULK CEMENT TRUCKS, 1 QUICK LATCH HEAD WITH PLUG,
Pre-Job Safety Meeting	04/17/2012 15:45							ENTIRE CREW, CO REP AND RIG CREW.
Start Job	04/17/2012 15:57							TD 2570' TP:2553' SJ 44' FC 2509' MW 10.5 PPG, 9 5/8 32.3# CASING IN 13 1/2 HOLE. RIG CIRC APPROX 1 HR.
Pump Water	04/17/2012 15:58		2	2			80.0	FILL LINES BEFORE TESTING

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pressure Test	04/17/2012 16:04						2500	HELD PRESSURE FOR 2 MIN, PRESSURE HELD, NO LEAKS.
Pump Spacer 1	04/17/2012 16:10		4	20			180.0	FRESH WATER, PUMPED AT BPM UNTIL CEMENT TUB UP TO WEIGHT AND WEIGHED WITH SCALES, SPED RATE TO BPM AT BBLs GONE.
Pump Lead Cement	04/17/2012 16:17		8	192.9			550.0	455 SKS VERSACEM, 12.3 PPG, 2.38 CUFT/SK, 13.75 GAL/SK.
Pump Tail Cement	04/17/2012 16:44		8	60.1			460.0	160 SKS VERSACEM, 12.8 PPG, 2.11 CUFT/SK, 11.75 GAL/SK.
Shutdown	04/17/2012 16:53							
Drop Top Plug	04/17/2012 16:57							VARIIFIED PLUG LEFT CONTAINER.
Pump Displacement	04/17/2012 16:58		10	195.2			900.0	FRESH WATER, CEMENT TO SURFACE AT 150 BBLs GONE, 30 BBLs OF CEMENT TO SURFACE. USED 100 LBS SUGAR.
Slow Rate	04/17/2012 17:19		2	185.2			500.0	SLOWED RATE TO 2 BPM TO BUMP PLUG.
Bump Plug	04/17/2012 17:21						530.0	PLUG LANDED AT 530 PSI, BUMPED UP TO 1000 PSI AND HELD FOR 2 MIN PER CO REP.
Check Floats	04/17/2012 17:24							FLOATS HELD, WHEN RELEASED PRESSURE GOT 1.5 BBLs OF WATER BACK TO TRUCK.
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

End Job	04/17/2012 17:25							GOOD RETURNS THROUGHOUT JOB, DID NOT RECIPROCATATE PIPE, 3 ADDITIONAL HOURS ADDED TO TICKET, NO DERRICK CHARGE, 100#S OF SUGAR USED.
Post-Job Safety Meeting (Pre Rig-Down)	04/17/2012 17:27							ENTIRE CREW
Rig-Down Equipment	04/17/2012 17:30							
Pre-Convoy Safety Meeting	04/17/2012 18:00							ENTIRE CREW, OBSERVE ALL SAFE DRIVING PROCEDURES
Crew Leave Location	04/17/2012 18:15							THANK YOU FOR USING HALLIBURTON, MIKE TRIPLETT AND CREW.

WPX - PA 513-29

9.625 SURFACE

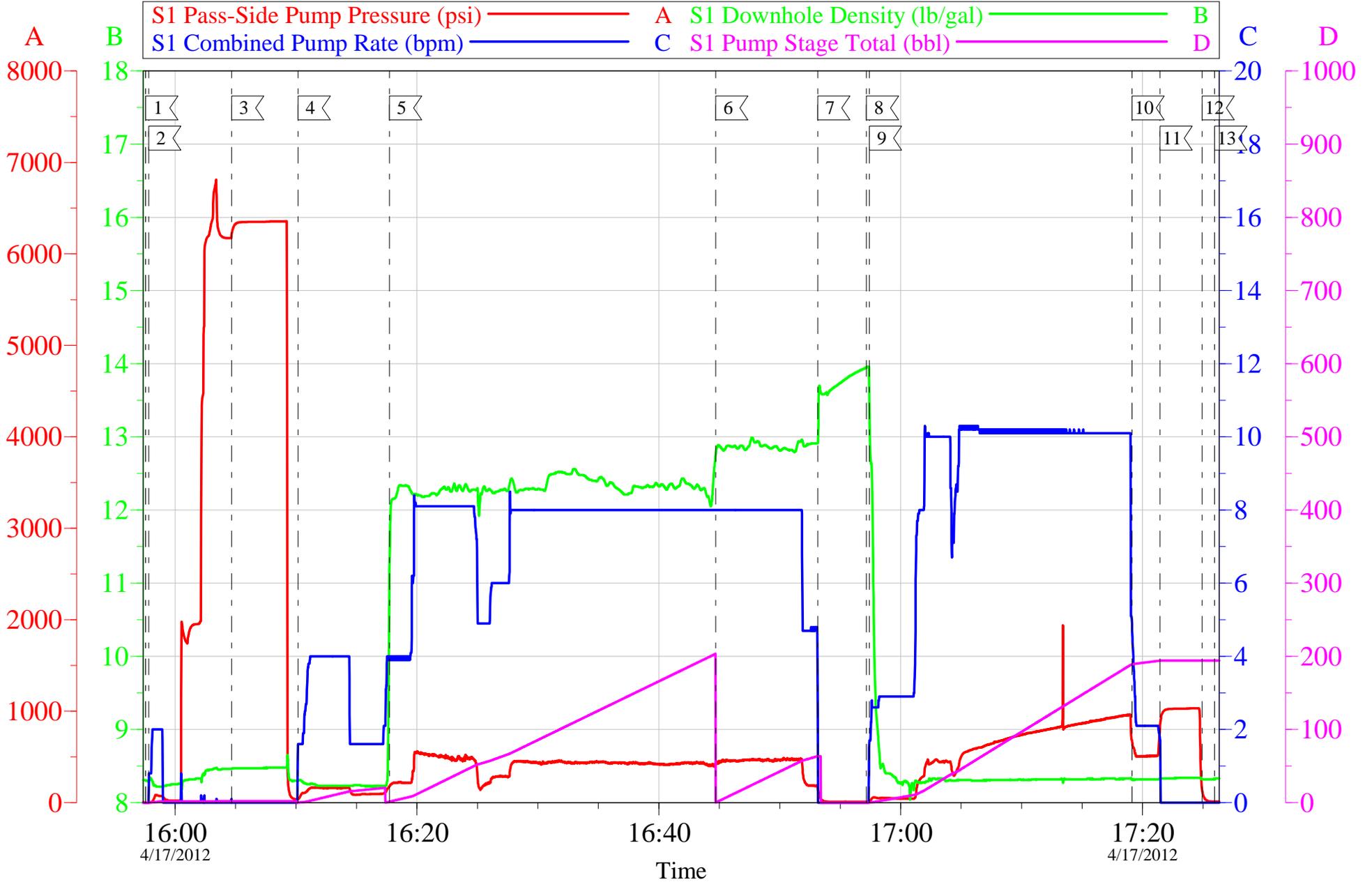


Local Event Log								
1	START JOB	15:57:34	2	FILL LINES	15:57:49	3	PRESSURE TEST	16:04:40
4	START H2O SPACER	16:10:10	5	START LEAD CEMENT	16:17:43	6	START TAIL CEMENT	16:44:42
7	SHUTDOWN	16:53:08	8	DROP PLUG	16:57:10	9	START DISPLACEMENT	16:57:25
10	SLOWRATE	17:19:07	11	BUMP PLUG	17:21:26	12	CHECK FLOATS	17:24:55
13	END JOB	17:25:57						

Customer:	WPX	Job Date:	17-Apr-2012	Sales Order #:	9415357
Well Description:	PA 513-29	Job Type:	SURFACE	ADC Used:	YES
Company Rep:	RON TOWERS	Cement Supervisor:	MIKE TRIPLETT	Elite #7:	RAY HARDRICK

WPX - PA 513-29

9.625 SURFACE



Customer: WPX	Job Date: 17-Apr-2012	Sales Order #: 9415357
Well Description: PA 513-29	Job Type: SURFACE	ADC Used: YES
Company Rep: RON TOWERS	Cement Supervisor: MIKE TRIPLETT	Elite #7: RAY HARDRICK

OptiCem v6.4.9
17-Apr-12 17:29

HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: MIKE TRIPLETT
Attention: LAB
Lease: PA
Well #: 513-29

Date: 4/17/2012
Date Rec.: 4/17/2012
S.O.#: 9415357
Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	250 Mg / L
Calcium (Ca)	<i>500</i>	0 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	0 Mg / L
Sulfates (SO ₄)	<i>1500</i>	<200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	55 Deg
Total Dissolved Solids		160 Mg / L

Respectfully: MIKE TRIPLETT

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

Sales Order #: 9415357	Line Item: 10	Survey Conducted Date: 4/17/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: RON TOWERS		API / UWI: (leave blank if unknown) 05-045-19539
Well Name: PA		Well Number: 513-29
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	4/17/2012
Survey Interviewer	The survey interviewer is the person who initiated the survey.	MICHEAL TRIPLETT (HB15721)
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 #: 9415357	Line Item: 10	Survey Conducted Date: 4/17/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: RON TOWERS		API / UWI: (leave blank if unknown) 05-045-19539
Well Name: PA		Well Number: 513-29
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	4/17/2012
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)	2
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	7
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

Sales Order #: 9415357	Line Item: 10	Survey Conducted Date: 4/17/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: RON TOWERS		API / UWI: (leave blank if unknown) 05-045-19539
Well Name: PA		Well Number: 513-29
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	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	95
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