
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 33-2
Parachute
Garfield County , Colorado**

Cement Surface Casing
29-Apr-2013

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2995242	Quote #:	Sales Order #: 900396952
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: Vallad, Gary		
Well Name: PA	Well #: 33-2	API/UWI #: 05-045-20884	
Field: Parachute	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.466 deg. OR N 39 deg. 27 min. 57.949 secs.	Long: W 107.954 deg. OR W -108 deg. 2 min. 45.625 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	Srvc Supervisor: PONDER, THOMAS	MBU ID Emp #: 427112	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
KUKUS, CARLTON Dean	13	458577	PONDER, THOMAS Lynn	13	427112	ROSE, BENJAMIN Keith	13	487022
SINCLAIR, DAN J	13	338784						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10296152C	60 mile	10867304	60 mile	10998054	60 mile	11021972	60 mile
11027039	60 mile	11583931	60 mile	11808849	60 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
04/29/2013	13	3						

TOTAL Total is the sum of each column separately

Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Water Depth	Perforation Depth (MD)	From	To
				BHST	1793. ft				
					Job Depth TVD	1793. ft			
					Wk Ht Above Floor	4. ft			

Job Times

Date	Time	Time Zone
28 - Apr - 2013	22:30	MST
29 - Apr - 2013	02:00	MST
29 - Apr - 2013	12:11	MST
29 - Apr - 2013	13:21	MST
29 - Apr - 2013	15:00	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
OPEN HOLE				13.5				.	1810.		
SURFACE CASING	Unknown		9.625	9.001	32.3		H-40	.	1793.		

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	9 5/8	1		1747	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

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

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 Spacer		20.00	bbl	8.34	.0	.0	4.0	
2	VariCem GJ1 Lead Cement	VARICEM (TM) CEMENT (452009)	275.0	sacks	12.3	2.38	13.75	8.0	13.75
13.75 Gal		FRESH WATER							
3	VariCemGJ2 Tail Cement	VARICEM (TM) CEMENT (452009)	160.0	sacks	12.8	2.11	11.75	8.0	11.75
11.75 Gal		FRESH WATER							
4	Fresh Water Displacement		138.00	bbl	8.34	.0	.0	10.0	
Calculated Values		Pressures		Volumes					
Displacement	137.5	Shut In: Instant		Lost Returns		Cement Slurry	176.7	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	20	Actual Displacement	137.5	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	334.2
Rates									
Circulating	RIG	Mixing	8	Displacement	10	Avg. Job	8		
Cement Left In Pipe	Amount	46 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

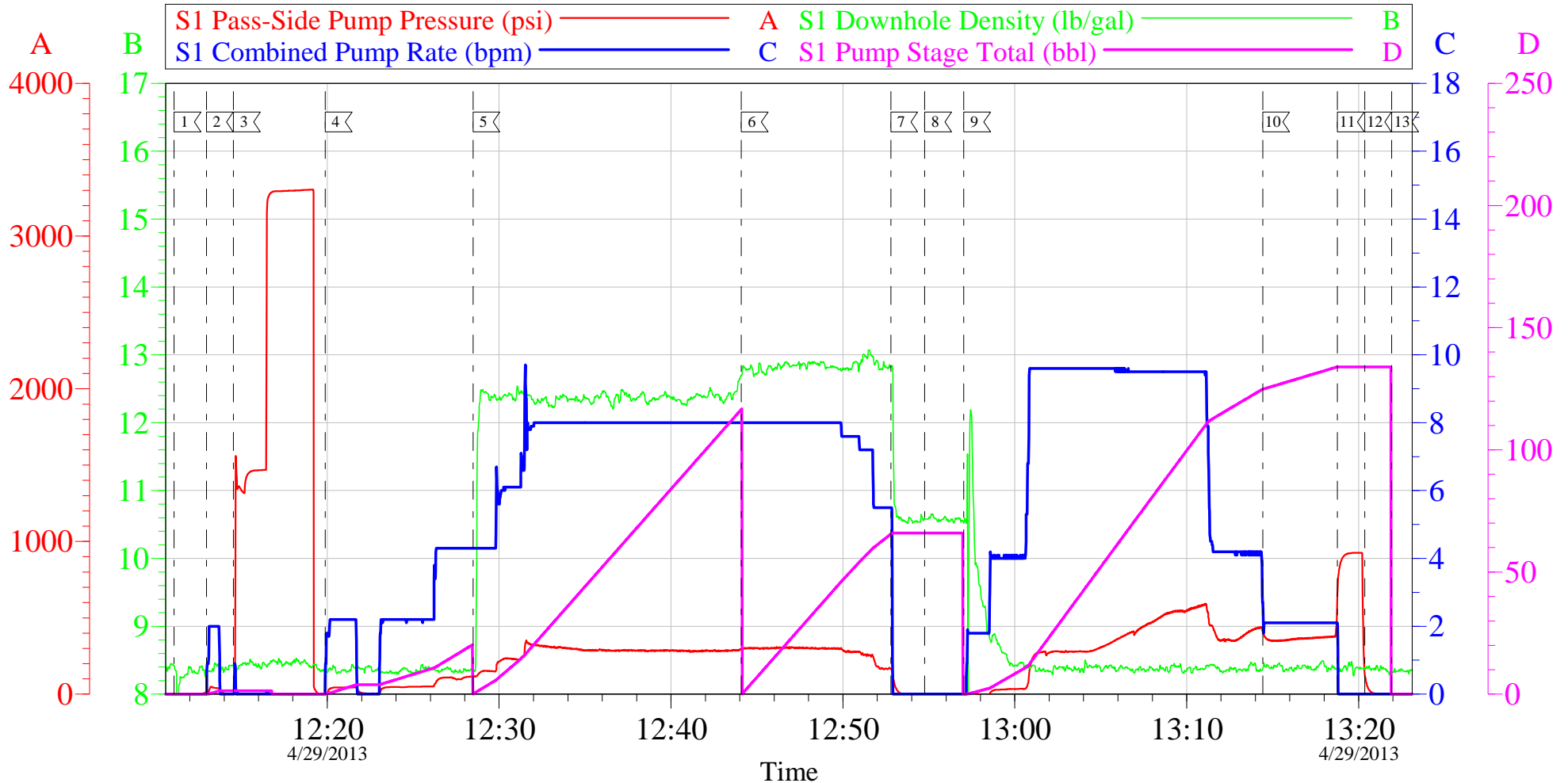
Sold To #: 300721		Ship To #: 2995242		Quote #:		Sales Order #: 900396952	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Vallad, Gary			
Well Name: PA			Well #: 33-2			API/UWI #: 05-045-20884	
Field: Parachute		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39.466 deg. OR N 39 deg. 27 min. 57.949 secs.				Long: W 107.954 deg. OR W -108 deg. 2 min. 45.625 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			Srv Supervisor: PONDER, THOMAS			MBU ID Emp #: 427112	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	04/28/2013 22:30							
Crew Leave Yard	04/29/2013 00:30							ALL HES PRESENT FOR PRE-CONVOY SAFETY HUDDLE
Arrive At Loc	04/29/2013 02:00							RIG WAS STILL RUNNING THEIR WIPER TRIP WHEN CREW ARRIVED ON LOCATION, CUSTOMER SAID THAT THEY WERE DEALING WITH SOME CLAY MAKING THEIR PULL STICK FOR THE FIRST 600', DUE TO THE DEVIATION OF THE WELL BEING 36 DEG HAD TO CIRCULATE FINAL 16 JOINTS DOWN
Assessment Of Location Safety Meeting	04/29/2013 10:30							TD- 1810', TP- 1793', SJ- 46', MUD- 10.8 PPG, HOLE- 13 1/2", SURFACE CASING- 9 5/8" 32.3# H-40
Rig-Up Equipment	04/29/2013 11:00							1-550 PICKUP, 1-ELITE PUMP, 2-660 CUFT BULK TRUCK
Safety Meeting	04/29/2013 11:45							ALL HES PRESENT, RIG CREW PRESENT, RIG STARTED CIRCULATING ON BOTTOM @ 1450
Start Job	04/29/2013 12:11		2	2			49.0	FILL LINES

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Test Lines	04/29/2013 12:14		0.1	0.1			3305.0	
Pump Spacer 1	04/29/2013 12:19		4	20			116.0	FRESH WATER, SHUTDOWN AFTER 5 BBL HAD A SLIGHT LEAK IN PLUG CONTAINER, STOPPED LEAK
Pump Lead Cement	04/29/2013 12:28		8	116.6			352.0	275 SKS 12.3 PPG 2.38 FT3/SK 13.75 GAL/SK
Pump Tail Cement	04/29/2013 12:44		8	60.1			310.0	160 SKS 12.8 PPG 2.11 FT3/SK 11.75 GAL/SK
Shutdown	04/29/2013 12:52							
Drop Plug	04/29/2013 12:54							PLUG DROP VERIFIED VIA TATTLE TELL BY CUSTOMER REP
Pump Displacement	04/29/2013 12:57		10	127.5			673.0	FRESH WATER, WASHED UP MIXING TUB ON TOP OF PLUG, SLOWED RATE TO 4 BPM @ 144 AWAY BECAUSE SUCK TRUCK COULD NOT KEEP UP
Slow Rate	04/29/2013 13:14		2	10	137.5		645.0	GOOD CIRCULATION THROUGH OUT THE JOB, 20 BBL CEMENT CIRCULATED TO SURFACE
Bump Plug	04/29/2013 13:18		2		137.5		390.0	PLUG BUMPED
Check Floats	04/29/2013 13:20						926.0	FLOATS HELD, 1/2 BBL BACK TO THE DISPLACEMENT TANKS
End Job	04/29/2013 13:22							THANK YOU FOR CHOOSING HALLIBURTON, THOMAS PONDER AND CREW

WPX PA 33-2

9.625 IN SURFACE



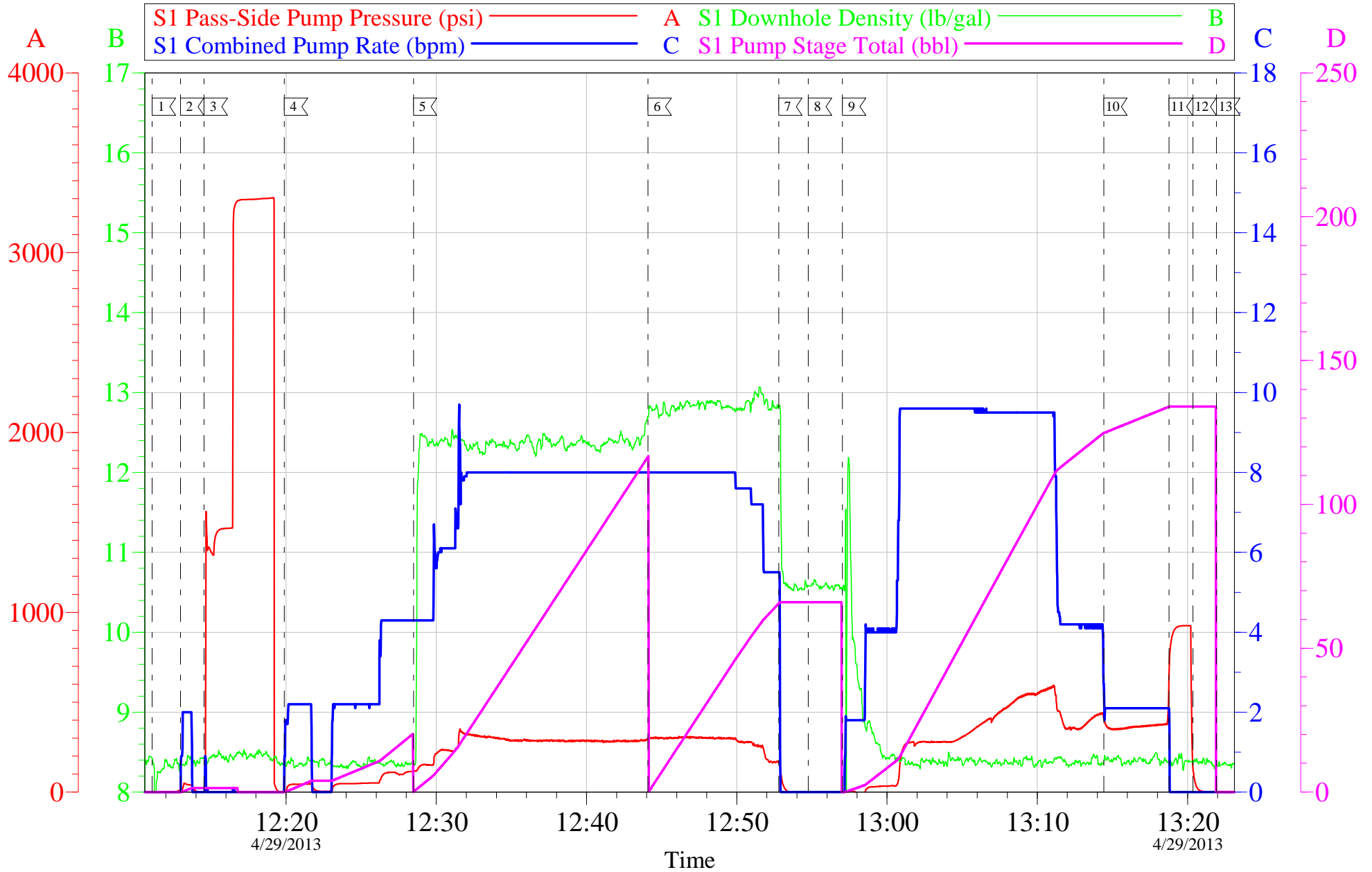
Local Event Log			
Maximum	SPPP	Maximum	SPPP
1 START JOB	12:11:05 9.000	2 FILL LINES	12:12:58 49.00
4 PUMP H2O SPACER	12:19:53 116.0	5 PUMP LEAD CEMENT	12:28:29 352.0
7 SHUTDOWN	12:52:47 165.0	8 DROP PLUG	12:54:45 -8.000
10 SLOW RATE	13:14:25 645.8	11 BUMP PLUG	13:18:46 926.0
13 END JOB	13:21:56 8.000	12 CHECK FLOATS	13:20:21 143.0
3 TEST LINES	12:14:32 3305	6 PUMP TAIL CEMENT	12:44:05 310.0
9 PUMP H2O DISPLACEMENT	12:57:02 594.0		

Customer: WPX	Job Date: 29-Apr-2013	Sales Order #: 900396952
Well Description: PA 33-2	Job Type: SURFACE	ADC Used: YES
Company Rep: GARY VALLAD	Cement Supervisor: THOMAS PONDER	Elite #/Operator: ELITE #9 / DAN SINCLAIR

OptiCem v6.4.10
29-Apr-13 13:27

WPX PA 33-2

9.625 IN SURFACE



Customer: WPX	Job Date: 29-Apr-2013	Sales Order #: 900396952
Well Description: PA 33-2	Job Type: SURFACE	ADC Used: YES
Company Rep: GARY VALLAD	Cement Supervisor: THOMAS PONDER	Elite #/Operator: ELITE #9 / DAN SINCLAIR

OptiCem v6.4.10
29-Apr-13 13:27

HALLIBURTON

Company:	<u>WPX</u>	Date:	<u>4/22/2013</u>
Submitted by:	<u>THOMAS PONDER</u>	Date Rec.:	<u>4/29/2013</u>
Attention:	<u>LARRY COOKSEY</u>	S.O.#	<u>900396952</u>
Lease	<u>PA</u>	Job Type:	<u>SQUEEZE</u>
Well #	<u>33-2</u>		

Specific Gravity	<i>MAX</i>	<i>1</i>
pH	<i>8</i>	<i>7</i>
Potassium (K)	<i>5000</i>	<i>250</i> Mg / L
Calcium (Ca)	<i>500</i>	<i>120</i> Mg / L
Iron (FE2)	<i>300</i>	<i>0</i> Mg / L
Chlorides (Cl)	<i>3000</i>	<i>0</i> Mg / L
Sulfates (SO ₄)	<i>1500</i>	<i>0</i> Mg / L
Carbonates hardness		
Temp	<i>40-80</i>	<i>55</i> Deg
Total Dissolved Solids		<i>185</i> Mg / L

Respectfully: THOMAS PONDER

Title: CEMENTING SUPERVISOR

Location: GRAND JCT, CO

Sales Order #: 900396952	Line Item: 10	Survey Conducted Date: 4/29/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: GARY VALLAD		API / UWI: (leave blank if unknown) 05-045-20884
Well Name: PA		Well Number: 33-2
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	4/29/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	THOMAS PONDER (HX41187)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	GARY VALLAD
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	GOOD JOB

CUSTOMER SIGNATURE

Sales Order #: 900396952	Line Item: 10	Survey Conducted Date: 4/29/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: GARY VALLAD		API / UWI: (leave blank if unknown) 05-045-20884
Well Name: PA		Well Number: 33-2
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	4/29/2013

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.	Deviated
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.	2
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	6
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 #: 900396952	Line Item: 10	Survey Conducted Date: 4/29/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: GARY VALLAD		API / UWI: (leave blank if unknown) 05-045-20884
Well Name: PA		Well Number: 33-2
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