
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**SG 544-23
GRAND VALLEY
Garfield County , Colorado**

Cement Surface Casing
04-Jan-2013

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2969368	Quote #:	Sales Order #: 900072504
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: Duniho, Al		
Well Name: SG	Well #: 544-23	API/UWI #:	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Contractor: CYCLONE 17	Rig/Platform Name/Num: CYCLONE 17		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: MAYO, MARK	Srv Supervisor: DEUSSEN, EDWARD	MBU ID Emp #: 485182	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANKS, BRENT A	7.0	371353	DEUSSEN, EDWARD Eric	7.0	485182	LINN, PAUL Andrew	7.0	479143
SIMINEO, JEROD M	7.0	479954						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10867531	60 mile	10871245	60 mile	10989685	60 mile	11259886	60 mile
11808831	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
1/3/13	0.5	0	1/4/13	6.5	4.5			

TOTAL		Total is the sum of each column separately						
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Job

Formation Name	Formation Depth (MD)	Top	Bottom	Job Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To
				BHST	1112. ft	1112. ft				

Job Times

Date	Time	Time Zone
03 - Jan - 2013	20:00	MST
03 - Jan - 2013	23:30	MST
04 - Jan - 2013	03:27	MST
04 - Jan - 2013	04:33	MST
04 - Jan - 2013	06:30	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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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 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

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
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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	FRESH WATER	20.00	bbl	.	.0	.0	4.0	
2	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.3	2.38	13.75	6.0	13.75
13.75 Gal		FRESH WATER							
3	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	6.0	11.75
11.75 Gal		FRESH WATER							
4	Fresh Water Displacement	FRESH WATER	84.00	bbl	.	.0	.0	8.0	
Calculated Values		Pressures		Volumes					
Displacement	84.1	Shut In: Instant		Lost Returns		Cement Slurry	127.9	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	35	Actual Displacement	84.1	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	232
Rates									
Circulating		Mixing	6	Displacement	8	Avg. Job	7		
Cement Left In Pipe	Amount	43.45 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

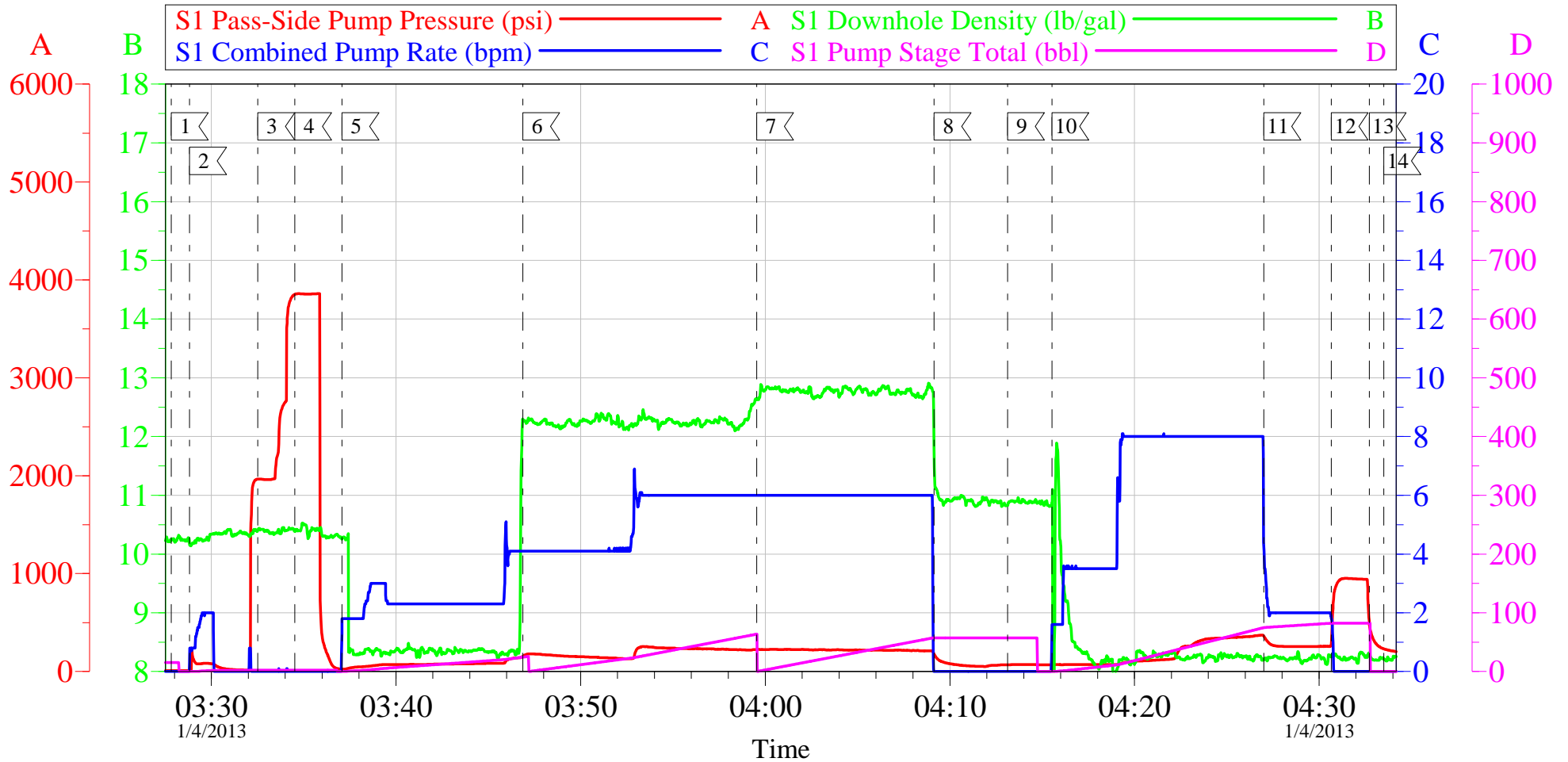
Sold To #: 300721		Ship To #: 2969368		Quote #:		Sales Order #: 900072504	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Dunihoo, Al			
Well Name: SG			Well #: 544-23		API/UWI #:		
Field: GRAND VALLEY		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.				Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.			
Contractor: CYCLONE 17			Rig/Platform Name/Num: CYCLONE 17				
Job Purpose: Cement Surface Casing						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: MAYO, MARK			Srv Supervisor: DEUSSEN, EDWARD			MBU ID Emp #: 485182	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	01/03/2013 20:00							
Pre-Convoy Safety Meeting	01/03/2013 21:45							ALL HES PERSONNEL
Crew Leave Yard	01/03/2013 22:00							1 ELITE, 1 660, 1 PICKUP
Arrive At Loc	01/03/2013 23:30							RIG STILL RUNNING CASING
Assessment Of Location Safety Meeting	01/03/2013 23:45							
Pre-Rig Up Safety Meeting	01/04/2013 01:45							ALL HES PERSONNEL
Rig-Up Equipment	01/04/2013 02:00							1 HARD LINE TO FLOOR, 2 WATER LINES TO UPRIGHT, BULK HOSE TO 660
Pre-Job Safety Meeting	01/04/2013 03:00							ALL HES PERSONNEL AND RIG CREW
Start Job	01/04/2013 03:27							TD 1130', TP 1112', SJ 43.45', MW 9.3, OH 13 1/2", CSG 9 5/8", 32.3# H-40
Pump Water	01/04/2013 03:28		2	2			121.0	FILL LINES
Pressure Test	01/04/2013 03:34							PRESSURED UP TO 3855 PSI - PRESSURE HELD WELL
Pump Spacer 1	01/04/2013 03:37		4	20			145.0	FRESH WATER SPACER
Pump Lead Cement	01/04/2013 03:46		6	67.8			238.0	160 SKS, 12.3 PPG, 2.38 YIELD, 13.75 GAL/SK
Pump Tail Cement	01/04/2013 03:59		6	60.1			235.0	160 SKS, 12.8 PPG, 2.11 YIELD, 11.75 GAL/SK

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Shutdown	01/04/2013 04:09							GOOD RETURNS THROUGHOUT JOB
Drop Top Plug	01/04/2013 04:13							WASH UP ON TOP OF PLUG
Pump Displacement	01/04/2013 04:15		8	84.1			373.0	FRESH WATER
Slow Rate	01/04/2013 04:27		2	10			256.0	
Bump Plug	01/04/2013 04:30						258.0	PRESSURED UP TO 923 PSI
Check Floats	01/04/2013 04:32							FLOATS HELD - GOT 1/2 BBL BACK
End Job	01/04/2013 04:33							GOT 35 BBLS CEMENT TO SURFACE / USED 40 LBS SUGAR - NO DERRICK CHARGE OR ADD HOURS
Post-Job Safety Meeting (Pre Rig-Down)	01/04/2013 04:45							ALL HES PERSONNEL
Rig-Down Equipment	01/04/2013 05:00							
Pre-Convoy Safety Meeting	01/04/2013 06:15							ALL HES PERSONNEL
Crew Leave Location	01/04/2013 06:30							THANK YOU FOR USING HALLIBURTON AND ED DEUSSEN AND CREW

WPX - SG 544-23

9 5/8 SURFACE



Local Event Log

1 START JOB	03:27:50	2 FILL LINES	03:28:49	3 5TH GEAR STALLOUT	03:32:31
4 PRESSURE TEST	03:34:31	5 PUMP H2O SPACER	03:37:05	6 PUMP LEAD CEMENT	03:46:52
7 PUMP TAIL CEMENT	03:59:32	8 SHUTDOWN/WASH PUMP	04:09:09	9 DROP TOP PLUG	04:13:08
10 PUMP DISPLACEMENT	04:15:31	11 SLOW RATE	04:27:00	12 BUMP PLUG	04:30:40
13 CHECK FLOATS	04:32:43	14 END JOB	04:33:30		

Customer: WPX
Well Description: SG 544-23
Company Rep: FRANK MOORE

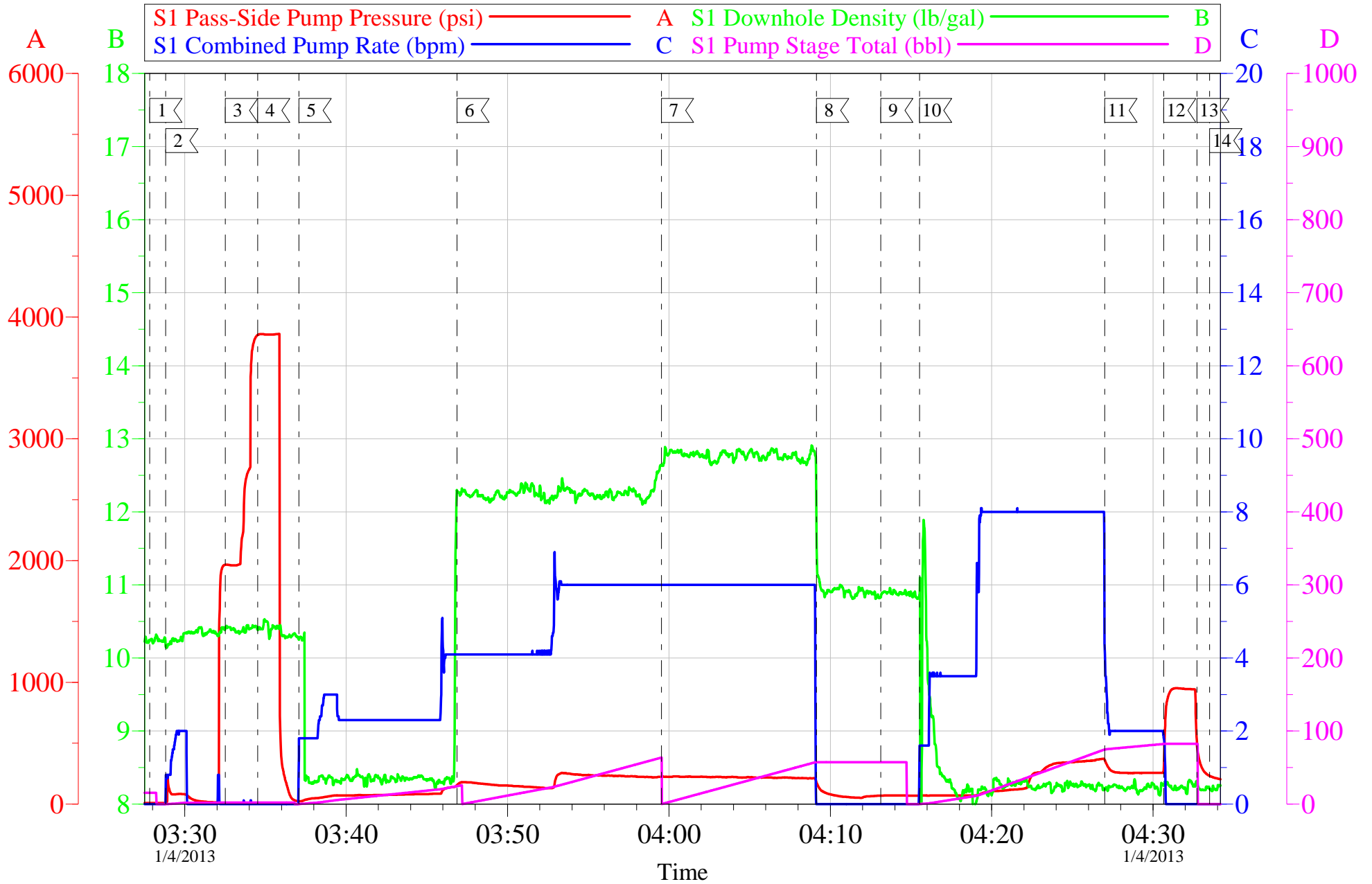
Job Date: 04-Jan-2013
Job Type: SURFACE
Cement Supervisor: ED DEUSSEN

Sales Order #: 900072504
ADC Used: YES
Elite #8: JEROD SIMINEO

OptiCem v6.4.10
04-Jan-13 04:52

WPX - SG 544-23

9 5/8 SURFACE



Customer: WPX
Well Description: SG 544-23
Company Rep: FRANK MOORE

Job Date: 04-Jan-2013
Job Type: SURFACE
Cement Supervisor: ED DEUSSEN

Sales Order #: 900072504
ADC Used: YES
Elite #8: JEROD SIMINEO

OptiCem v6.4.10
04-Jan-13 04:52

HALLIBURTON

Water Analysis Report

Company: WILLIAMS

Submitted by: ED DEUSSEN

Attention: J.TROUT

Lease SG

Well # 544-23

Date: 1/4/2013

Date Rec.: 1/4/2013

S.O.# 900072504

Job Type: 9 5/8 SURFACE

Specific Gravity

MAX

1

pH

8

7.5

Potassium (K)

5000

0 Mg / L

Calcium (Ca)

500

120 Mg / L

Iron (FE2)

300

0 Mg / L

Chlorides (Cl)

3000

0 Mg / L

Sulfates (SO₄)

1500

<200 Mg / L

Temp

40-80

34 Deg

Total Dissolved Solids

50 Mg / L

Respectfully: ED DEUSSEN

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 #: 900072504	Line Item: 10	Survey Conducted Date: 1/4/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: FRANK MOORE		API / UWI: (leave blank if unknown) AFEYKNEPMDKIGJRPAAA
Well Name: SG		Well Number: 544-23
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	1/4/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	EDWARD DEUSSEN (HB57194)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	FRANK MOORE
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 #: 900072504	Line Item: 10	Survey Conducted Date: 1/4/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: FRANK MOORE		API / UWI: (leave blank if unknown) AFEYKNEPMDKIGJRPAAA
Well Name: SG		Well Number: 544-23
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	1/4/2013

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.	Vertical
Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	4.5
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	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 #: 900072504	Line Item: 10	Survey Conducted Date: 1/4/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: FRANK MOORE		API / UWI: (leave blank if unknown) AFEYKNEPMDKIGJRPAAA
Well Name: SG		Well Number: 544-23
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	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