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**WPX ENERGY ROCKY MOUNTAIN LLC-EBUS**

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**PA 313-4  
PARACHUTE  
Garfield County , Colorado**

**Cement Surface Casing  
19-Jan-2013**

**Job Site Documents**

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 300721	<b>Ship To #:</b> 2971840	<b>Quote #:</b>	<b>Sales Order #:</b> 900103775
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Customer Rep:</b> Towers, Ron	
<b>Well Name:</b> PA		<b>Well #:</b> 313-4	<b>API/UWI #:</b> 05-045-20085
<b>Field:</b> PARACHUTE	<b>City (SAP):</b> PARACHUTE	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Lat:</b> N 39.464 deg. OR N 39 deg. 27 min. 48.665 secs.		<b>Long:</b> W 108.007 deg. OR W -109 deg. 59 min. 35.016 secs.	
<b>Contractor:</b> NABORS 577		<b>Rig/Platform Name/Num:</b> NABORS 577	
<b>Job Purpose:</b> Cement Surface Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> MAYO, MARK		<b>Srvc Supervisor:</b> SMITH, CHRISTOPHER	<b>MBU ID Emp #:</b> 452619

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BRENNECKE, ANDREW Bailey	3.0	486345	BURKE, BRENDAN Patrick	2.0	487782	CASTILLO, FRANCISCO P	3.0	513620
KAMMEIER, CHRISTOPHER Michael	2.0	524554	SMITH, CHRISTOPHER Scott	3.0	452619	WOLFE, JON P	3.0	485217

**Equipment**

HES Unit #	Distance-1 way						
10867531	60 mile	10871245	60 mile	10989685	60 mile	11259885	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
01.19.2013	5	1.5						

**TOTAL** Total is the sum of each column separately

**Job**

**Job Times**

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
<b>Formation Depth (MD)</b>			<b>On Location</b>	19 - Jan - 2013	05:00	MST
<b>Form Type</b>		BHST	<b>Job Started</b>	19 - Jan - 2013	08:30	MST
<b>Job depth MD</b>	728. ft	<b>Job Depth TVD</b>	728. ft	<b>Job Completed</b>	19 - Jan - 2013	11:42
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>	3. ft	<b>Departed Loc</b>	19 - Jan - 2013	12:26
<b>Perforation Depth (MD)</b>	From	To			13:40	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/3<sup>rd</sup> 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
Guide Shoe					Packer			
Float Shoe					Top Plug	9.625"	1	HES
Float Collar					Bottom Plug			
Insert Float					Retainer			
Stage Tool					SSR plug set			
					Plug Container	9.625"	1	HES
					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 <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Spacer		20.00	bbl	8.33	.0	.0	4.0	
2	Tail Cement	VERSACEM (TM) SYSTEM (452010)	225.0	sacks	12.8	2.11	11.75	8.0	11.75
3	Displacement		54.00	bbl	8.33	.0	.0	10.0	
Calculated Values		Pressures		Volumes					
Displacement	54	Shut In: Instant		Lost Returns		Cement Slurry	84	Pad	
Top Of Cement	0	5 Min		Cement Returns	18	Actual Displacement	54	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	160
Rates									
Circulating	10	Mixing		8	Displacement	10	Avg. Job		9
Cement Left In Pipe	Amount	36 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*

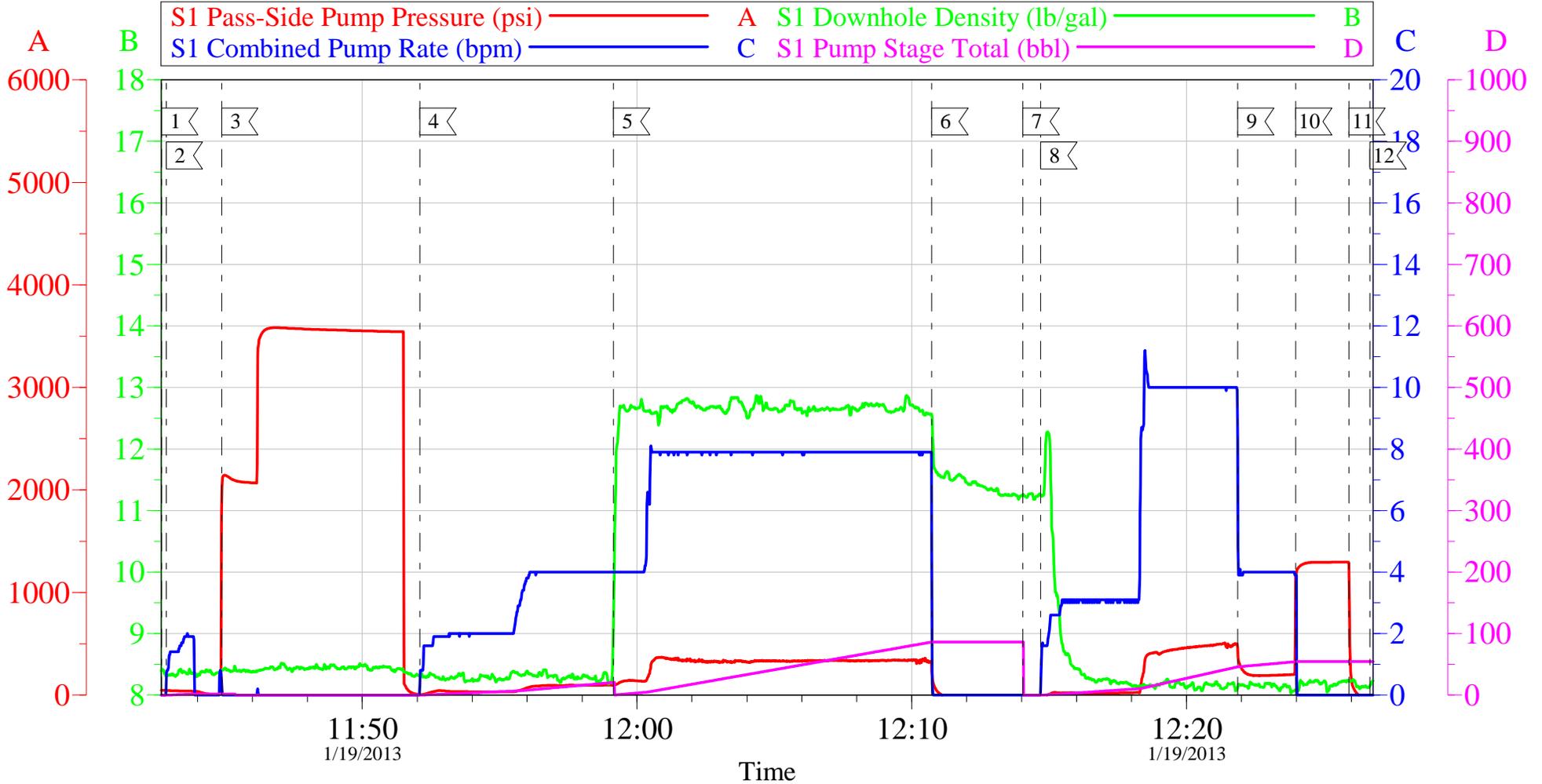
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<b>Field:</b> PARACHUTE	<b>City (SAP):</b> PARACHUTE	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Legal Description:</b>			
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<b>Contractor:</b> NABORS 577		<b>Rig/Platform Name/Num:</b> NABORS 577	
<b>Job Purpose:</b> Cement Surface Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> MAYO, MARK		<b>Srvc Supervisor:</b> SMITH, CHRISTOPHER	<b>MBU ID Emp #:</b> 452619

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	01/19/2013 05:00							TD 740 FT, TP 728 FT, SHO 36 FT, CSG 9 5/8 IN 32.3 LB/FT, HOLE 13 1/2 IN, MUD WT 9.3 PPG
Pre-Convoy Safety Meeting	01/19/2013 07:20							WITH ALL HES PERSONNEL
Crew Leave Yard	01/19/2013 07:30							
Arrive At Loc	01/19/2013 08:30							RIG WAS RUNNING CASING UPON HES ARRIVAL
Assessment Of Location Safety Meeting	01/19/2013 08:45							WITH ALL HES PERSONNEL
Other	01/19/2013 09:00							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	01/19/2013 09:15							WITH ALL HES PERSONNEL
Rig-Up Equipment	01/19/2013 09:20							
Pre-Job Safety Meeting	01/19/2013 11:15							WITH ALL PERSONNEL ON LOCATION
Start Job	01/19/2013 11:42							
Other	01/19/2013 11:42		2	2			36.0	FILL LINES WITH FRESH WATER
Test Lines	01/19/2013 11:44		0.5	0.5				ALL LINES HELD PRESSURE @ 3580 PSI
Pump Spacer 1	01/19/2013 11:52		4	20			136.0	FRESH WATER
Pump Tail Cement	01/19/2013 11:59		8	84.6			350.0	225 SKS AT 12.8 PPG, 2.11 FT3/SK, 11.75 GAL/SK

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Shutdown	01/19/2013 12:10							WASH UP ON TOP OF PLUG.
Pump Displacement	01/19/2013 12:14		10	44.5			480.0	FRESH WATER
Drop Top Plug	01/19/2013 12:14							PLUG LAUNCHED, COMP REP VERIFIED.
Slow Rate	01/19/2013 12:21		2	10			200.0	SLOW RATE 10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	01/19/2013 12:23				54.5		1100.0	PLUG BUMPED, BUMPED PLUG 1000 PSI OVER.
Check Floats	01/19/2013 12:25							FLOATS HOLDING. 1 BBL BACK TO PUMP.
End Job	01/19/2013 12:26							
Pre-Rig Down Safety Meeting	01/19/2013 12:30							WITH ALL HES PERSONNEL
Rig-Down Equipment	01/19/2013 12:55							
Pre-Convoy Safety Meeting	01/19/2013 13:25							WITH ALL HES PERSONNEL
Crew Leave Location	01/19/2013 13:40							
Comment	01/19/2013 13:41							THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. CHRIS SMITH AND CREW.

# WPX - PA 313-4

9.625" SURFACE

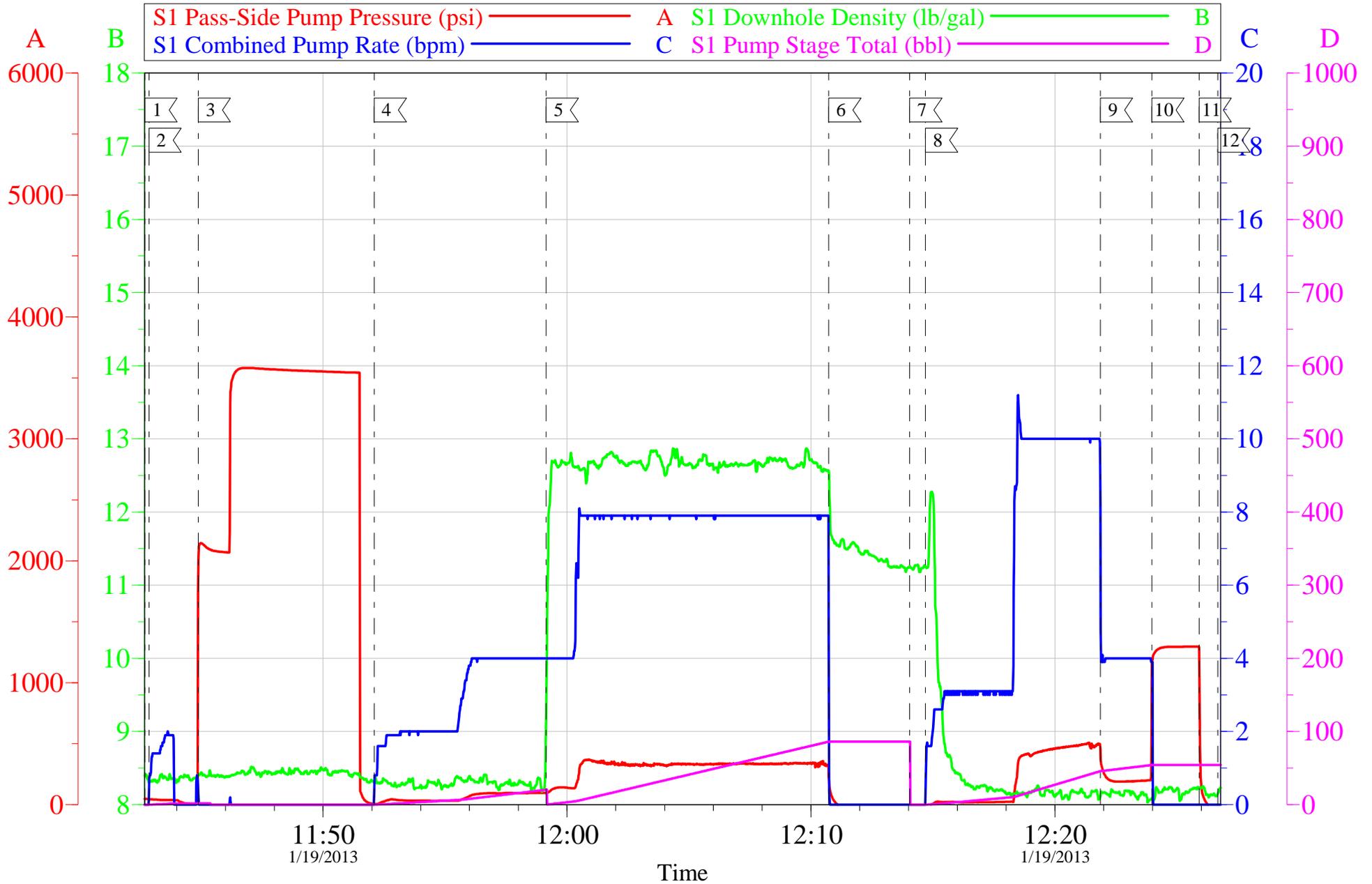


Local Event Log								
1	START JOB	11:42:42	2	FILL LINES	11:42:52	3	TEST LINES	11:44:53
4	H2O SPACER	11:52:06	5	TAIL CEMENT	11:59:09	6	SHUTDOWN	12:10:44
7	DROP PLUG	12:14:03	8	H2O DISPLACEMENT	12:14:41	9	SLOW RATE	12:21:52
10	BUMP PLUG	12:23:58	11	CHECK FLOATS	12:25:55	12	END JOB	12:26:41

Customer: WPX	Job Date: 19-Jan-2013	Sales Order #: 900103775
Well Description: PA 313-4	Job Type: SURFACE	ADC Used: YES
Company Rep: R.TOWERS	Cement Supervisor: C.SMITH	Elite #8: A.BRENNECKE

# WPX - PA 313-4

9.625" SURFACE



Customer: WPX	Job Date: 19-Jan-2013	Sales Order #: 900103775
Well Description: PA 313-4	Job Type: SURFACE	ADC Used: YES
Company Rep: R.TOWERS	Cement Supervisor: C.SMITH	Elite #8: A.BRENNECKE

OptiCem v6.4.10  
19-Jan-13 13:03

# HALLIBURTON

## Water Analysis Report

Company: WILLIAMS PRODUCTION

Date: 1/19/2013

Submitted by: JESSE SLAUGHTER

Date Rec.: \_\_\_\_\_

Attention: LAB

S.O.# 900103775

Lease PA

Job Type: SURFACE

Well # 313-4

Specific Gravity	<i>MAX</i>	<b>1</b>
pH	<i>8</i>	<b>6</b>
Potassium (K)	<i>5000</i>	<b>250 Mg / L</b>
Calcium (Ca)	<i>500</i>	<b>120 Mg / L</b>
Iron (FE2)	<i>300</i>	<b>0 Mg / L</b>
Chlorides (Cl)	<i>3000</i>	<b>0 Mg / L</b>
Sulfates (SO <sub>4</sub> )	<i>1500</i>	<b>UNDER 200 Mg / L</b>
Chlorine (Cl <sub>2</sub> )		<b>0 Mg / L</b>
Temp	<i>40-80</i>	<b>60 Deg</b>
Total Dissolved Solids		<b>200 Mg / L</b>

Respectfully: JESSE SLAUGHTER

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

<b>Sales Order #:</b> 900103775	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 1/19/2013
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> RON TOWERS		<b>API / UWI: (leave blank if unknown)</b> 05-045-20085
<b>Well Name:</b> PA		<b>Well Number:</b> 313-4
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> 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	1/19/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CHRISTOPHER SMITH (HB20137)
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	

<b>CUSTOMER SIGNATURE</b>
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<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

### KEY PERFORMANCE INDICATORS

General	
<b>Survey Conducted Date</b>	1/19/2013
The date the survey was conducted	

Cementing KPI Survey	
<b>Type of Job</b>	0
Select the type of job. (Cementing or Non-Cementing)	
<b>Select the Maximum Deviation range for this Job</b>	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
<b>Total Operating Time (hours)</b>	2
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
<b>HSE Incident, Accident, Injury</b>	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
<b>Was the job purpose achieved?</b>	Yes
Was the job delivered correctly as per customer agreed design?	
<b>Operating Hours (Pumping Hours)</b>	1
Total number of hours pumping fluid on this job. Enter in decimal format.	
<b>Customer Non-Productive Rig Time (hrs)</b>	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.	
<b>Type of Rig Classification Job Was Performed</b>	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
<b>Number Of JSAs Performed</b>	7
Number Of Jsas Performed	
<b>Number of Unplanned Shutdowns</b>	0
Unplanned shutdown is when injection stops for any period of time.	
<b>Was this a Primary Cement Job (Yes / No)</b>	Yes

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<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
<b>Did We Run Wiper Plugs?</b> Did We Run Top And Bottom Casing Wiper Plugs?	Top
<b>Mixing Density of Job Stayed in Designed Density Range (0-100%)</b> Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	95
<b>Was Automated Density Control Used?</b> Was Automated Density Control (ADC) Used ?	Yes
<b>Pump Rate (percent) of Job Stayed At Designed Pump Rate</b> 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
<b>Nbr of Remedial Sqz Jobs Rqd - Competition</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
<b>Nbr of Remedial Plug Jobs Rqd - HES</b> Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
<b>Nbr of Remedial Sqz Jobs Rqd - HES</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0