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**WPX ENERGY ROCKY MOUNTAIN LLC-EBUS**

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**SG 532-22  
PARACHUTE  
Garfield County , Colorado**

**Cement Surface Casing**  
**09-Jul-2013**

**Post Job Report**

### The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: UNKNOWN	Quote #:	Sales Order #: 900577214
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: Duniho, Al		
Well Name: SG	Well #: 532-22	API/UWI #: 05-045-21756	
Field:	City (SAP): UNKNOWN	County/Parish: Garfield	State: Colorado
Lat: N 39.426 deg. OR N 39 deg. 25 min. 33.899 secs.	Long: W 108.088 deg. OR W -109 deg. 54 min. 43.261 secs.		
Contractor: CYCLONE 17	Rig/Platform Name/Num: 17		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: MAYO, MARK	Srvc Supervisor: CASTILLO, FRANCISCO	MBU ID Emp #: 513620	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ATKINSON, STEPHAN Michael	0.0	513940	CASTILLO, FRANCISCO P	0.0	513620	CASTILLO, FRANCISCO P	0.0	513620
SINCLAIR, DAN J	0.0	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	10297346	60 mile	10973571	60 mile	11583933	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

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

### Job

Formation Name	Formation Depth (MD)	Top	Bottom	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To

### Job Times

Called Out	Date	Time	Time Zone
On Location	09 - Jul - 2013	10:30	MST
Job Started	09 - Jul - 2013	14:31	MST
Job Completed	09 - Jul - 2013	15:25	MST
Departed Loc	09 - Jul - 2013	16:30	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

### 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 ft3/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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

Stage/Plug #: 1									
1	Fresh Water Spacer		20.00	bbl	.	.0	.0	.0	
2	VersaCemGJ1 Lead Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.3	2.38	13.75		13.75
	13.75 Gal	FRESH WATER							
3	VersaCemGJ1 Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75		11.75
	11.75 Gal	FRESH WATER							
4	Fresh Water Displacement		92.00	bbl	.	.0	.0	.0	
Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	0 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*

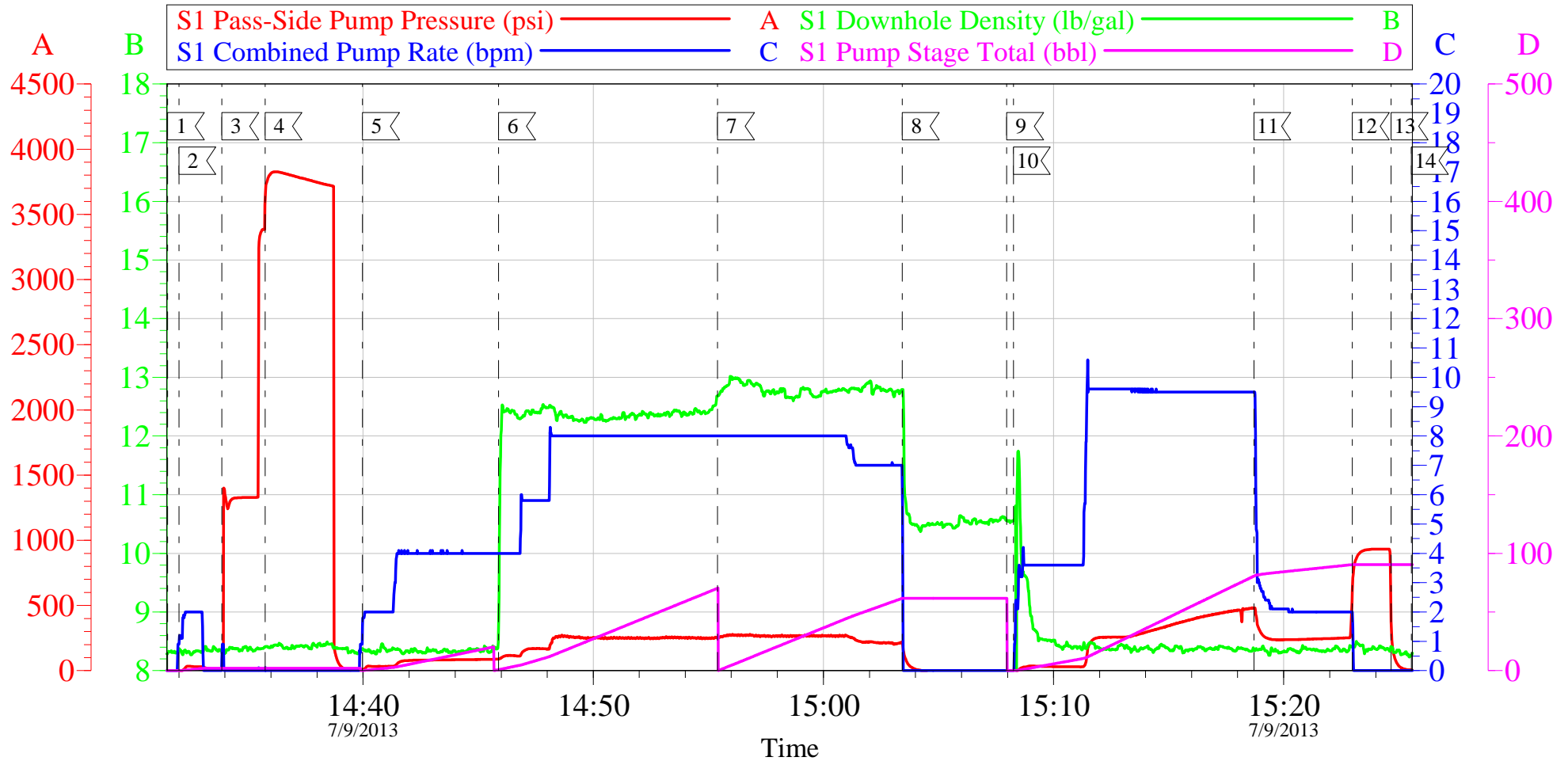
<b>Sold To #:</b> 300721		<b>Ship To #:</b> UNKNOWN		<b>Quote #:</b>		<b>Sales Order #:</b> 900577214	
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				<b>Customer Rep:</b> Duniho, Al			
<b>Well Name:</b> SG			<b>Well #:</b> 532-22		<b>API/UWI #:</b> 05-045-21756		
<b>Field:</b>		<b>City (SAP):</b> UNKNOWN		<b>County/Parish:</b> Garfield		<b>State:</b> Colorado	
<b>Legal Description:</b>							
<b>Lat:</b> N 39.426 deg. OR N 39 deg. 25 min. 33.899 secs.				<b>Long:</b> W 108.088 deg. OR W -109 deg. 54 min. 43.261 secs.			
<b>Contractor:</b> CYCLONE 17			<b>Rig/Platform Name/Num:</b> 17				
<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>Srv Supervisor:</b> CASTILLO, FRANCISCO			<b>MBU ID Emp #:</b> 513620	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pre-Convoy Safety Meeting	07/09/2013 09:20							ALL HES PERSONEL
Crew Leave Yard	07/09/2013 09:30							
Arrive At Loc	07/09/2013 10:30							DRILLING RIG WAS STILL RUNNING CASING
Assessment Of Location Safety Meeting	07/09/2013 10:50							ALL HES PERSONEL
Rig-Up Equipment	07/09/2013 11:00							1-ELITE, 1-660 CUFT BULK TRUCK, 2" PUMPING IRON, 9 5/8 PLUG CONTAINER
Rig-Up Completed	07/09/2013 12:15							
Pre-Job Safety Meeting	07/09/2013 14:15							ALL HES PERSONEL AND RIG CREW
Start Job	07/09/2013 14:31							TP- 1216', TD- 1236', SJ- 44', CSG- 9.625 32.3# H-40, OH- 13.5, MUD-9.2 PPG, VISC-67
Other	07/09/2013 14:32		2	2			34.0	FILL LINES
Other	07/09/2013 14:33		0.2	0.2				STALL OUT/PRESSURE HELD AT 1328 PSI
Pressure Test	07/09/2013 14:35		0.2	0.2				ALL LINES HELD PRESSURE AT 3790 PSI
Pump Spacer 1	07/09/2013 14:39		4	20			90.0	FRESH WATER
Pump Lead Cement	07/09/2013 14:45		8	67.8			256.0	160 SKS, 12.3 PPG, 2.38 FT3/SK, 13.75 GAL/SK, SETUP TIME 2:38 HRS AT 70 BC

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	07/09/2013 14:55		8	60			266.0	160 SKS, 12.8 PPG, 2.11 FT3/ SK, 11.75 GAL/SK, SETUP TIME 1:58 HRS AT 70 BC
Shutdown	07/09/2013 15:03							
Drop Top Plug	07/09/2013 15:07							PLUG DROP VERIFIED BY CUSTOMER AND DRILLER
Pump Displacement	07/09/2013 15:08		10	82			481.0	FRESH WATER, GOT RETURNS 65 BBLS INTO DISPLACEMENT, GOT 27 BBLS/64 SKS OF CEMENT TO SURFACE. 1ST 10BBLS PUMPED AT 4.5 BPM WITH 30 PSI
Slow Rate	07/09/2013 15:18		2	10			250.0	
Bump Plug	07/09/2013 15:22			92			933.0	
Check Floats	07/09/2013 15:24							FLOATS HELD/1 BBLS FLOW BACK
End Job	07/09/2013 15:25							
Post-Job Safety Meeting (Pre Rig-Down)	07/09/2013 15:30							ALL HES PERSONEL
Depart Location for Service Center or Other Site	07/09/2013 16:30							
Other	07/09/2013 16:31							THANK YOU FOR CHOOSING HALLIBURTON, JAVIER CASTILLO AND CREW

# WPX SG 532-22

9 5/8 SURFACE



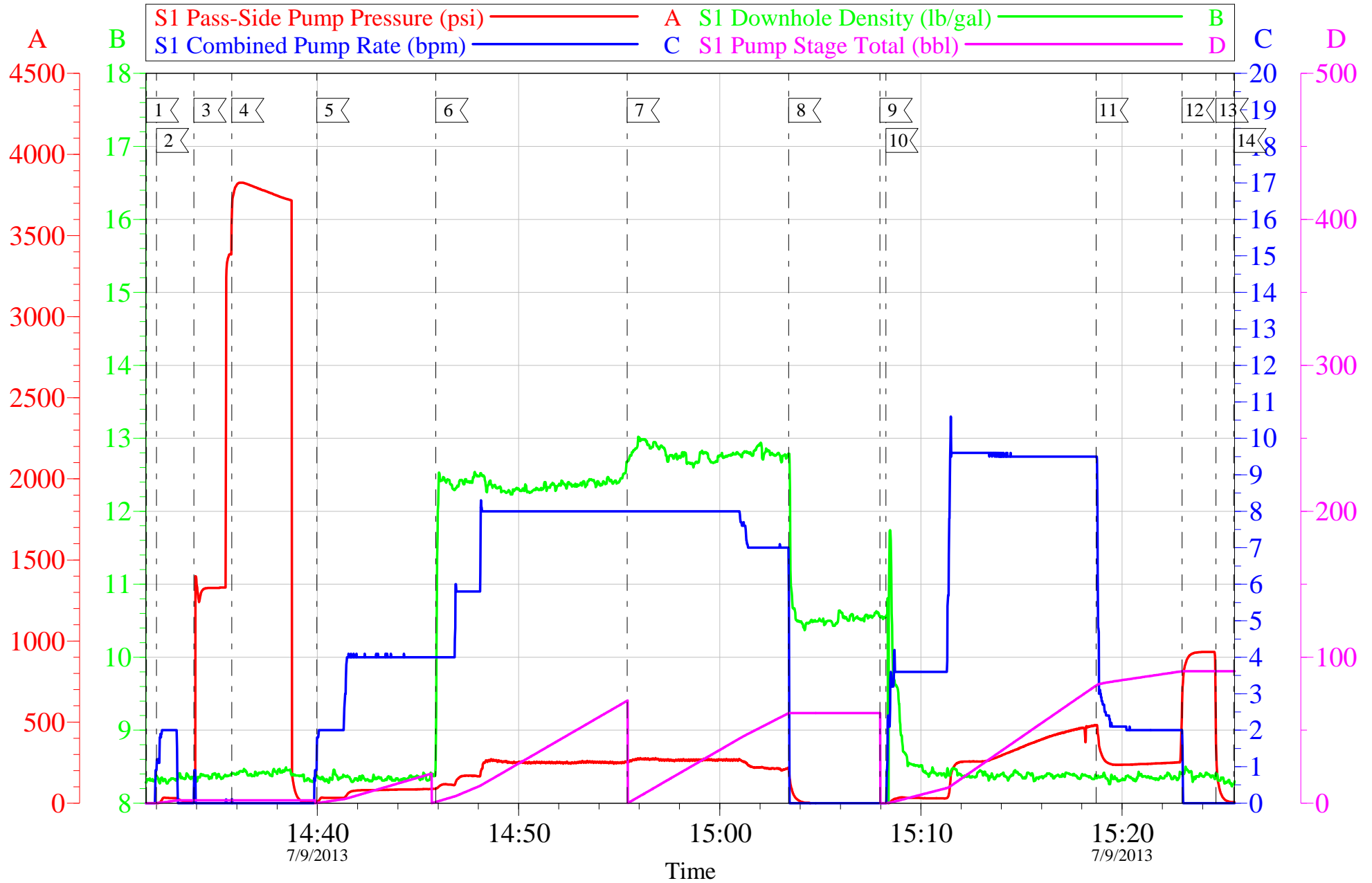
Local Event Log					
1	START JOB	14:31:30	2	FILL LINES	14:32:00
3	STALL OUT	14:33:52	4	TEST LINES	14:35:44
5	WATER SPACER	14:39:59	6	LEAD SLURRY	14:45:54
7	TAIL SLURRY	14:55:24	8	SHUTDOWN	15:03:26
9	DROP PLUG	15:07:58	10	DISPLACEMENT	15:08:15
11	SLOW RATE	15:18:42	12	BUMP PLUG	15:22:59
13	CHECK FLOATS	15:24:40	14	END JOB	15:25:33

Customer: WPX	Job Date: 09-Jul-2013	Sales Order #: 900577214
Well Description: SG 532-22	Job Type: SURFACE	ADC Used: YES
Company Rep: MIKE BRUNK	Cement Supervisor: JAVIER CASTILLO	Elite #9: DAN SINCLAIR

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09-Jul-13 15:39

# WPX SG 532-22

9 5/8 SURFACE



Customer: WPX  
Well Description: SG 532-22  
Company Rep: MIKE BRUNK

Job Date: 09-Jul-2013  
Job Type: SURFACE  
Cement Supervisor: JAVIER CASTILLO

Sales Order #: 900577214  
ADC Used: YES  
Elite #9: DAN SINCLAIR

OptiCem v6.4.10  
09-Jul-13 15:39

# HALLIBURTON

## Water Analysis Report

Company: WPX

Submitted by: JAVIER CASTILLO

Attention: J.Trout

Lease SG

Well # 532--22

Date: 7/9/2013

Date Rec.: 7/9/2013

S.O.# 900577214

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	<b>1</b>
pH	<i>8</i>	<b>7</b>
Potassium (K)	<i>5000</i>	<b>200</b> Mg / L
Calcium (Ca)	<i>500</i>	<b>120</b> Mg / L
Iron (FE2)	<i>300</i>	<b>0</b> Mg / L
Chlorides (Cl)	<i>3000</i>	<b>0</b> Mg / L
Sulfates (SO <sub>4</sub> )	<i>1500</i>	<b>200</b> Mg / L
Chlorine (Cl <sub>2</sub> )		<b>0</b> Mg / L
Temp	<i>40-80</i>	<b>83</b> Deg
Total Dissolved Solids		<b>200</b> Mg / L

Respectfully: JAVIER CASTILLO

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 if



<b>Sales Order #:</b> 900577214	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 7/9/2013
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> MIKE BRUNK		<b>API / UWI: (leave blank if unknown)</b> 05-045-21756
<b>Well Name:</b> SG		<b>Well Number:</b> 532-22
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<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	7/9/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	FRANCISCO CASTILLO (HB85312)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	MIKE BRUNK
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>Sales Order #:</b> 900577214	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 7/9/2013
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<b>H2S Present:</b>	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

*KEY PERFORMANCE INDICATORS*

General	
<b>Survey Conducted Date</b> The date the survey was conducted	7/9/2013

Cementing KPI Survey	
<b>Type of Job</b> Select the type of job. (Cementing or Non-Cementing)	0
<b>Select the Maximum Deviation range for this Job</b> What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
<b>Total Operating Time (hours)</b> Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	6
<b>HSE Incident, Accident, Injury</b> HSE Incident, Accident, Injury. This should be recordable incidents only.	No
<b>Was the job purpose achieved?</b> Was the job delivered correctly as per customer agreed design?	Yes
<b>Operating Hours (Pumping Hours)</b> Total number of hours pumping fluid on this job. Enter in decimal format.	1
<b>Customer Non-Productive Rig Time (hrs)</b> 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
<b>Type of Rig Classification Job Was Performed</b> Type Of Rig (classification) Job Was Performed On	Drilling Rig (Portable)
<b>Number Of JSAs Performed</b> Number Of Jsas Performed	5
<b>Number of Unplanned Shutdowns</b> Unplanned shutdown is when injection stops for any period of time.	0
<b>Was this a Primary Cement Job (Yes / No)</b>	Yes

<b>Sales Order #:</b> 900577214	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 7/9/2013
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<b>Customer Representative:</b> MIKE BRUNK		<b>API / UWI: (leave blank if unknown)</b> 05-045-21756
<b>Well Name:</b> SG		<b>Well Number:</b> 532-22
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<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	95
<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