

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

GM 423-13

H&P 318

Post Job Summary

Cement Surface Casing

Date Prepared: 6/2/2014
Job Date: 05/31/2014

Submitted by: Tony Eschete - Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3273385	Quote #:	Sales Order #: 0901395323
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: W.C. WILSON	
Well Name: C&C ENERGY	Well #: GM 423-13	API/UWI #: 05-045-22262-00	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: GARFIELD	State: COLORADO
Legal Description: SW SW-12-7S-96W-277FSL-1001FWL			
Contractor:		Rig/Platform Name/Num: H&P 318	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180		Srcv Supervisor: Francisco Javier Castillo	
Job			

Formation Name			
Formation Depth (MD)	Top	SURFACE	Bottom 1465ft
Form Type	BHST		
Job depth MD	1449ft	Job Depth TVD	
Water Depth	Wk Ht Above Floor		
Perforation Depth (MD)	From		To

Well Data										
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing		9.625	9.001	32.3			0	1449		0
Open Hole Section			13.5				0	1465		0

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make	
Guide Shoe	9.625	1	WTF	1449	Top Plug	9.625	1	HES	
Float Shoe					Bottom Plug				
Float Collar	9.625	1	WTF	1410.58	SSR plug set				
Insert Float					Plug Container	9.625	1	HES	
Stage Tool					Centralizers	9.625	9	HES	

Miscellaneous Materials											
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc			Conc		
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Conc			Qty		

Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Fresh Water Spacer	Fresh Water Spacer	20	bbbl	8.34			4		
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
2	Lead Cement	VARICEM (TM) CEMENT	185	sack	12.3	2.38		6	13.77	

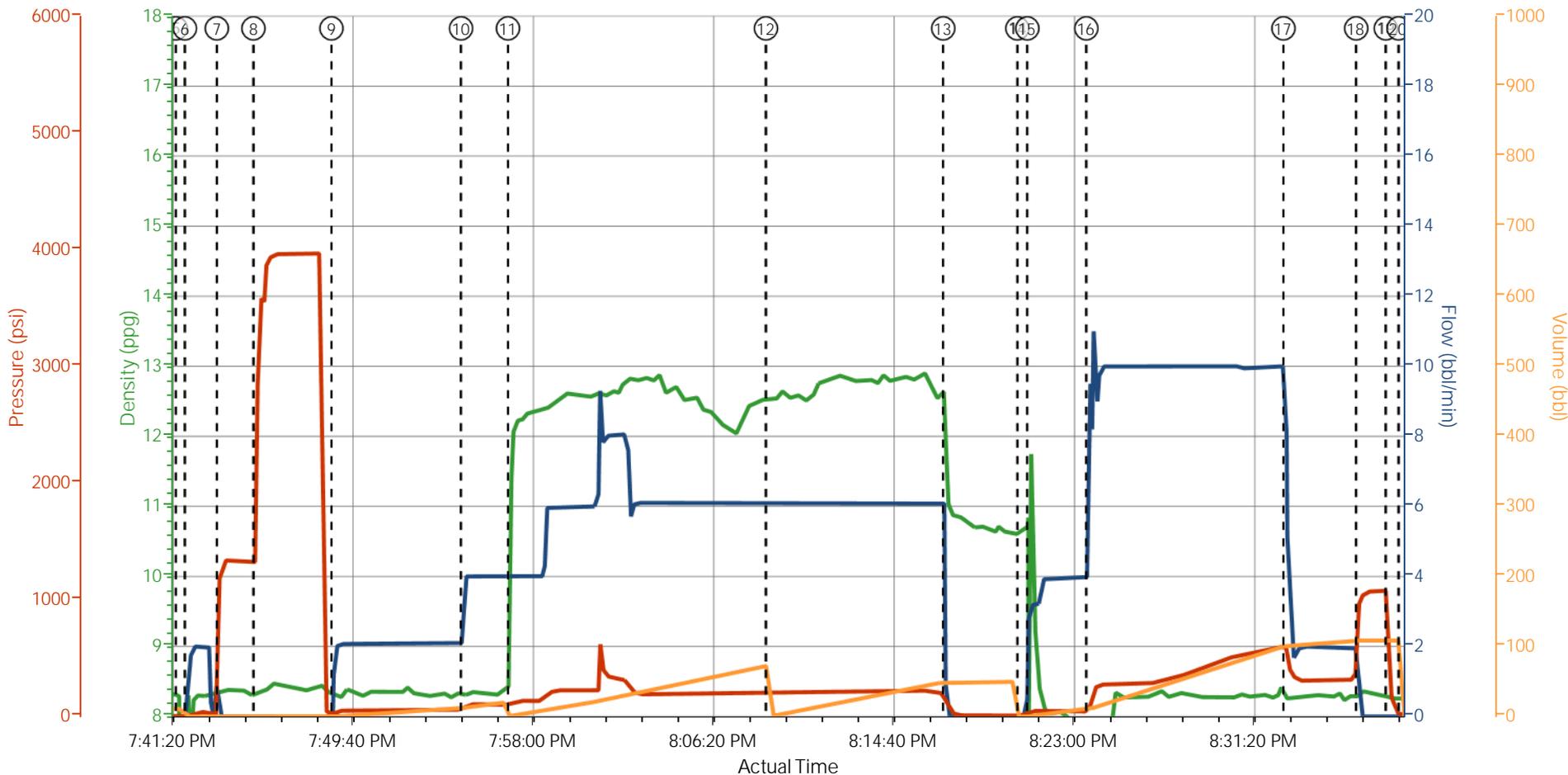
13.70 Gal		FRESH WATER								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft³/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
3	Tail Cement	VARICEM (TM) CEMENT	160	sack	12.8	2.11		6	11.77	
11.71 Gal		FRESH WATER								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft³/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
4	Displacement	Displacement	111	bbl	8.3			10		
Cement Left In Pipe	Amount	44 ft			Reason	Shoe Joint				
Comment										

1.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comment
Event		CALL OUT	5/31/2014	10:30:00						ON LOCATION AT 16:00 HRS
Event		DEPART YARD SAFETY MEETING	5/31/2014	13:50:00						
Event		CREW LEAVE THE YARD	5/31/2014	14:00:00						
Event		ARRIVE ON LOCATION	5/31/2014	15:00:00						RIG WAS PULLING OUT DRILL PIPE AND SETTING UP TO RUN CASING
Event		START JOB	5/31/2014	19:41:40						TD-1449', FC-1410.58', SJ-42.48', CSG-9.625", 32.3#, H-40, MUD-9.5 PPG
Event		FILL LINES	5/31/2014	19:42:05		8.33 PPG	2 BPM	47 PSI	2 BBLS	FRESH WATER
Event		STALL OUT	5/31/2014	19:43:34						PRESSURE HELD AT 1350 PSI
Event		TEST LINES	5/31/2014	19:45:15						PRESSURE HELD AT 3963 PSI
Event		PUMP WATER SPACER	5/31/2014	19:48:51		8.33 PPG	2 BPM	55 PSI	10 BBLS	FRESH WATER / BATCH LEAD SLURRY
Event		BRING RATE UP	5/31/2014	19:54:51		8.33 PPG	4 BPM	180 PSI	10 BBLS	TOTAL WATER SPACER 20 BBLS / BRING RATE UP AFTER BATCHING UP MIXING TUB
Event		PUMP LEAD SLURRY	5/31/2014	19:57:01		12.3 PPG	6 BPM	215 PSI	78 BBLS	185 SKS, 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK, SETUP TIME 2:38 HRS AT 70 BC
Event		PUMP TAIL SLURRY	5/31/2014	20:08:56		12.8 PPG	6 BPM	223 PSI	60 BBLS	160 SKS, 12.8 PPG, 2.11 FT3/SK, 11.77 GAL/SK, SETUP TIME 1:51 HRS AT 70 BC
Event		SHUTDOWN	5/31/2014	20:17:07						
Event		DROP TOP PLUG	5/31/2014	20:20:33						VERIFIED BY CUSTOMER
Event		PUMP DISPLACEMENT	5/31/2014	20:21:00		8.33 PPG	2 BPM	43 PSI	10 BBLS	FRESH WATER / 1ST 10 BBLS AT 2 BPM WITH 43 PSI
Event		BRING RATE UP	5/31/2014	20:23:44		8.33 PPG	10 BPM	600 PSI	91 BBLS	BRING RATE UP TO 10 BPM AFTER WASHING UP MIXING TUB
Event		SLOW RATE	5/31/2014	20:32:50		8.33 PPG	2 BPM	315 PSI	10 BBLS	
Event		BUMP PLUG	5/31/2014	20:36:12				1048 PSI	TOTAL DISP. 111 BBLS	CIRCULATED 25 BBLS / 59 SKS OF CEMENT TO THE SURFACE
Event		CHECK FLOATS	5/31/2014	20:37:34						FLOATS HELD / FLOW BACK .75 BBL TO TANKS
Event		END JOB	5/31/2014	20:38:10						USED 40 LBS OF SUGAR IN THE CELLAR

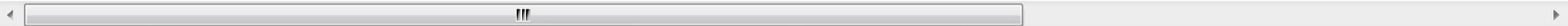
Event	RIG DOWN SAFETY MEETING	5/31/2014	20:40:00	
Event	RIG DOWN COMPLETE	5/31/2014	21:35:00	
Event	DEPART LOCATION SAFETY MEETING	5/31/2014	21:45:00	NO INJURIES TO REPORT AFTER THE JOB
Event	CREW LEAVE LOCATION	5/31/2014	22:00:00	
Event	THANK YOU	5/31/2014	22:01:00	THANK YOU FOR YOUR BUSINESS FROM JAVIER CASTILLO AND CREW

WPX 9 5/8 SURFACE



— DH Density (ppg)
 — Comb Pump Rate (bbl/min)
 — PS Pump Press (psi)
 — Pump Stg Tot (bbl)

- CALL OUT n/a;n/a;n/a;n/a
- DEPART YARD SAFETY MEETING n/a;n/a;n/a;n/a
- CREW LEAVE THE YARD n/a;n/a;n/a;n/a
- ARRIVE ON LOCATION n/a;n/a;n/a;n/a
- START JOB 0.87;0;6;11.1
- FILL LINES 8.26;0.9;4;0
- STALL OUT 8.35;0;1158;2.1
- TEST LINES 8.35;0;2836;2.1
- PUMP WATER SPACER 8.31;1.9;27;0.2
- BRING RATE UP 8.32;4;84;12.7
- PUMP LEAD SLURRY 11.59;4;113;1.2
- PUMPTAIL SLURRY 12.56;6.1;214;0.15
- SHUTDOWN 11.63;0;104;49.6
- DROPTOP PLUG 10.69;0;8;0
- PUMP DISPLACEMENT 11.74;3.2;45;0.6
- BRING RATE UP 7.85;9.5;109;11.2
- SLOW RATE 8.26;5;47
- BUMP PLUG 8.38;0;10
- CHECK FLOATS 8.28;C
- 20 END JOB 8.29;0;9.41;C



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Customer : WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date : 5/31/2014 7:08:05 PM

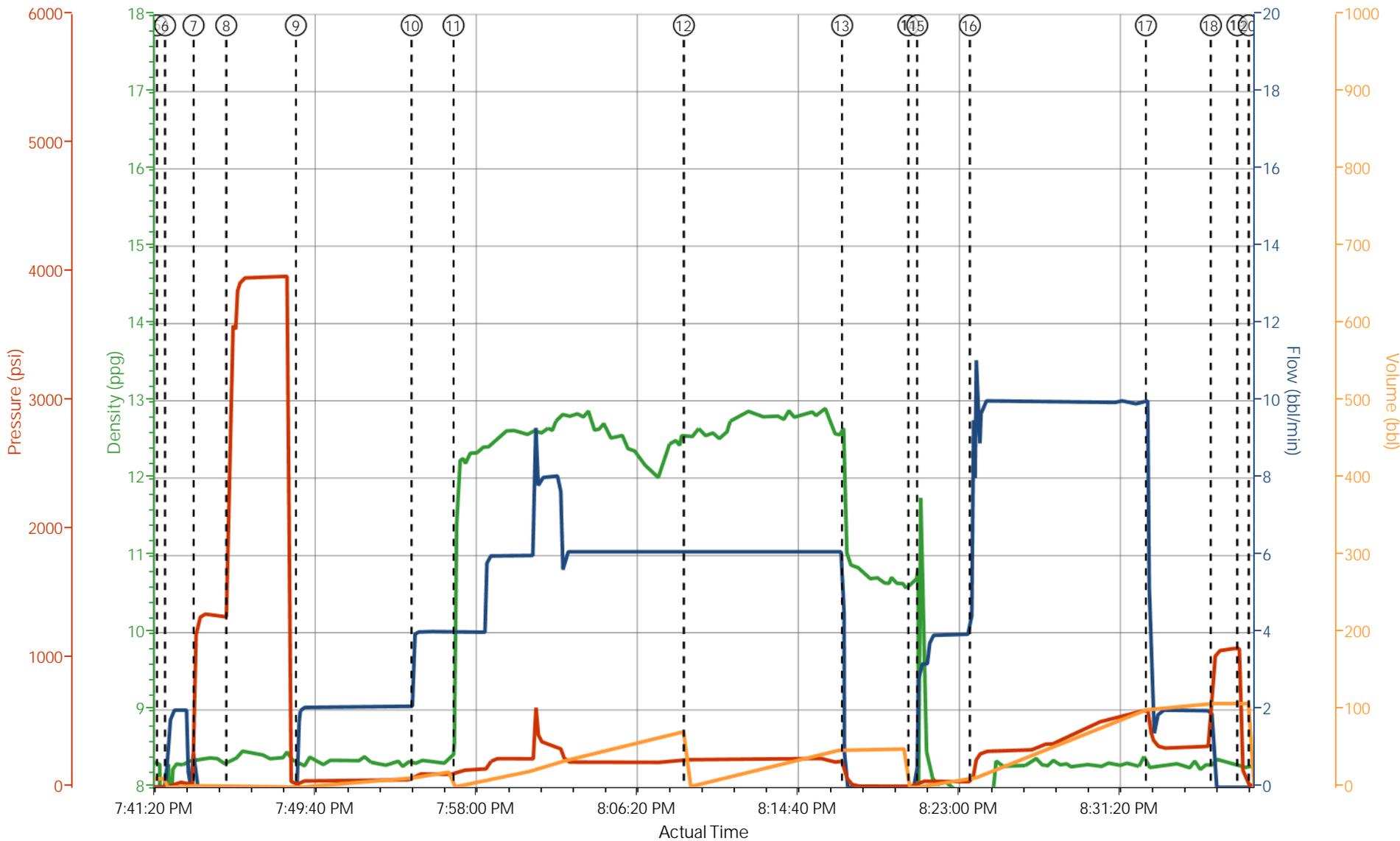
Well : GM 423-13

Representative : W.C. WILSON

Sales Order # : 901395323

ELITE #3 : J. CASTILLO / CARL KUKUS

WPX 9 5/8 SURFACE



— DH Density (ppg)
 — Comb Pump Rate (bbl/min)
 — PS Pump Press (psi)
 — Pump Stg Tot (bbl)

HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: JAVIER CASTILLO
Attention: Chuck Ross
Lease: GM
Well #: 423-13

Date: 5/31/2014
Date Rec.: 5/31/2014
S.O.#: 901395323
Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	200 Mg / L
Calcium (Ca)	<i>500</i>	120 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	500 Mg / L
Sulfates (SO ₄)	<i>1500</i>	200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	70 Deg
Total Dissolved Solids		510 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 its

Sales Order #: 0901395323	Line Item: 10	Survey Conducted Date: 5/31/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: W.C. WILSON		API / UWI: (leave blank if unknown) 05-045-22262-00
Well Name: C&C ENERGY		Well Number: 0080358147
Well Type: DIRECTIONAL GAS	Well Country: USA	
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	5/31/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HB85312
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	W.C. WILSON
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

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KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	5/31/2014
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)	4
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)	1
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	5
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

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Well Type: DIRECTIONAL GAS	Well Country: USA	
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