

WPX Energy Rocky Mountain LLC- EBUS

PA 33-6

Aztec 1000

Post Job Summary

Cement Surface Casing

Date Prepared: 07/25/2014

Job Date: 07/19/2014

Submitted by: Evan Russell – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3476017	Quote #:	Sales Order #: 0901512419
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Ron Towers	
Well Name: HICKS PA	Well #: 33-6	API/UWI #: 05-045-22413-00	
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: GARFIELD	State: COLORADO
Legal Description: SE SW-6-7S-95W-810FSL-2240FWL			
Contractor:		Rig/Platform Name/Num: Aztec 1000	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180		Srvc Supervisor: Dustin Hyde	

Job

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	1135ft 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
Open Hole Section			13.5				0	1150		0
Casing		9.625	9.001	32.3	8 RD	H-40	0	1135	0	0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625	1		1135	Top Plug	9.625	1	HES
Float Shoe					Bottom Plug			
Float Collar	9.625	1		1091	SSR plug set			
Insert Float					Plug Container	9.625	1	HES
Stage Tool					Centralizers	9.625	7	

Miscellaneous Materials

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

Fluid Data

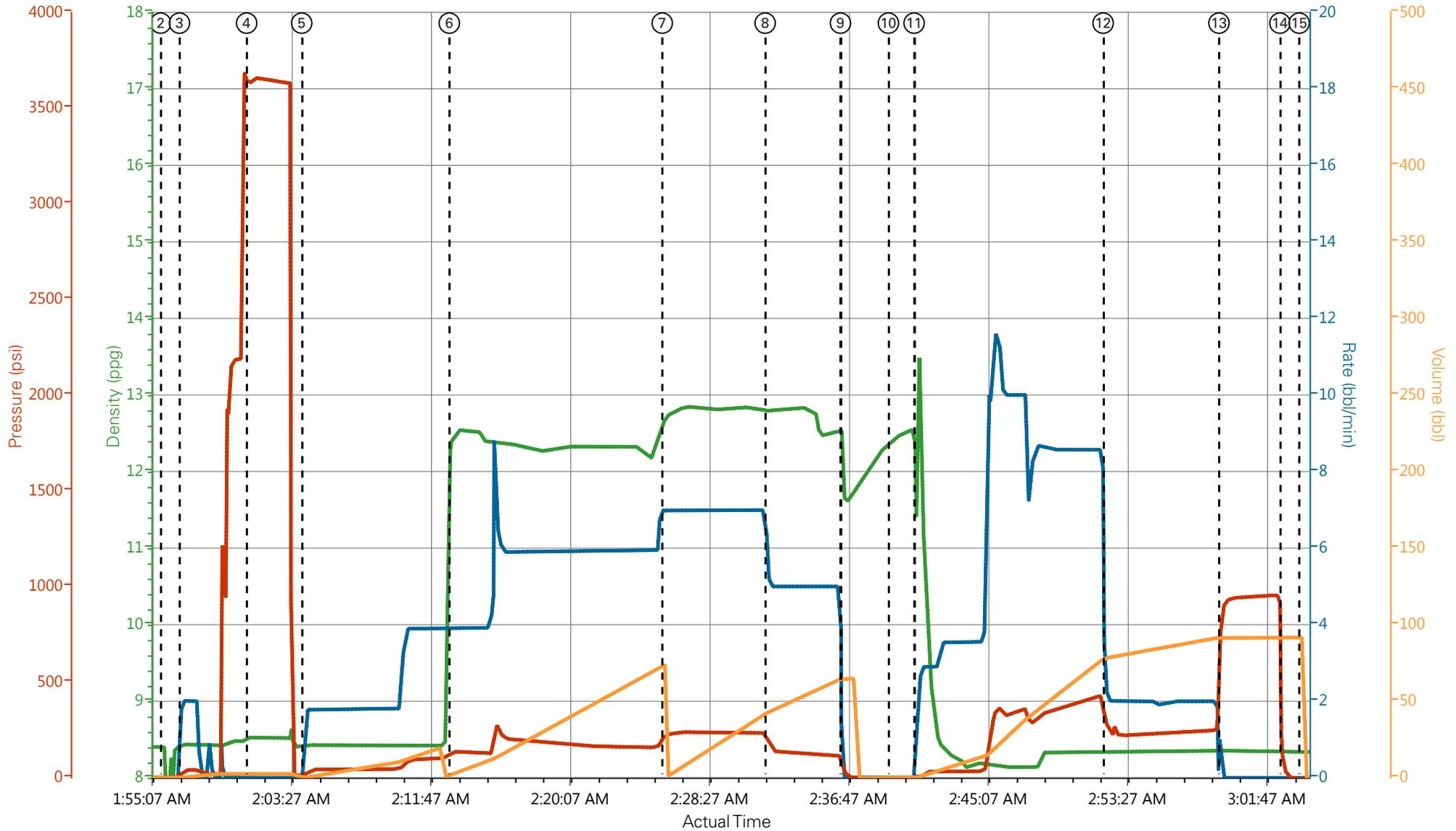
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Fresh Water	Fresh Water	20	bbl	8.34			4		
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
2	Lead Cement	VARICEM (TM) CEMENT	165	sack	12.3	2.38		6	13.77	

94 lbm		TYPE I / II CEMENT, BULK (101439798)								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
3	Tail Cement	VARICEM (TM) CEMENT	165	sack	12.8	2.11		7	11.77	
11.77 Gal		FRESH WATER								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
4	Displacement	Displacement	86	bbl	8.34			10		
Cement Left In Pipe		Amount	44 ft		Reason			Shoe Joint		
Comment										

3.1 Job Event Log

Type	Seq. No.	Activity	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comment
Event	1	Arrive At Loc	7/18/2014	23:00:00	USER					RIG RUNNING CASING UPON HES ARRIVAL
Event	2	Start Job	7/19/2014	01:55:48	COM5					TD 1150', TP 1135', SJ 44', OH 13.5", CSG 9 5/8" 32.3 # H-40, MUD 10.4 PPG VIS 70 PH 9, 7 CENT. 2 TURBOS
Event	3	Prime Pumps	7/19/2014	01:56:56	COM5	8.33	2	48	2	FRESH WATER
Event	4	Test Lines	7/19/2014	02:00:57	COM5			3658		PRESSURE HELD
Event	5	Pump Spacer 1	7/19/2014	02:04:15	COM5	8.33	4	103	20	
Event	6	Pump Lead Cement	7/19/2014	02:13:04	COM5	12.3	6	230	70	165 SKS, 12.3 PPG, 2.38 YIELD, 13.77 GAL/SK
Event	7	Pump Tail Cement	7/19/2014	02:25:48	COM5	12.8	7	240	62	165 SKS, 12.8 PPG, 2.11 YIELD, 11.77 GAL/SK
Event	8	Slow Rate	7/19/2014	02:31:58	USER	12.8	5	155		TO KEEP GOOD DENSITY
Event	9	Shutdown	7/19/2014	02:36:28	COM5					WASH UP ON TOP [LUG
Event	10	Drop Top Plug	7/19/2014	02:39:20	COM5					VERIFIED BY TATTLE TAIL
Event	11	Pump Displacement	7/19/2014	02:40:52	COM5	8.33	10	420	76	FRESH WATER
Event	12	Other	7/19/2014	02:52:11	COM5	8.33	2	230	10	
Event	13	Bump Plug	7/19/2014	02:59:06	COM5			240	86	PLUG BUMPED
Event	14	Other	7/19/2014	03:02:45	COM5			938		FLOATS HELD, 35 BBLS OF CMT TO SURFACE, 3/4 BBL FLOW BACK
Event	15	End Job	7/19/2014	03:03:54	COM5					THANK YOU FOR USING HALLIBURTON CEMENT

WPX PA 33-6 9 5/8" SURFACE



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

- ① Arrive At Loc ③ Prime Lines ⑤ Pump Fresh Water Spacer ⑦ Pump Tail Cement ⑨ Shutdown ⑪ Pump Displacement ⑬ Bump Plug ⑮ End Job
- ② Start Job ④ Test Lines ⑥ Pump Lead Cement ⑧ Slow Rate ⑩ Drop Top Plug ⑫ Slow Rate ⑭ Check Floats

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Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 7/19/2014 1:01:38 AM

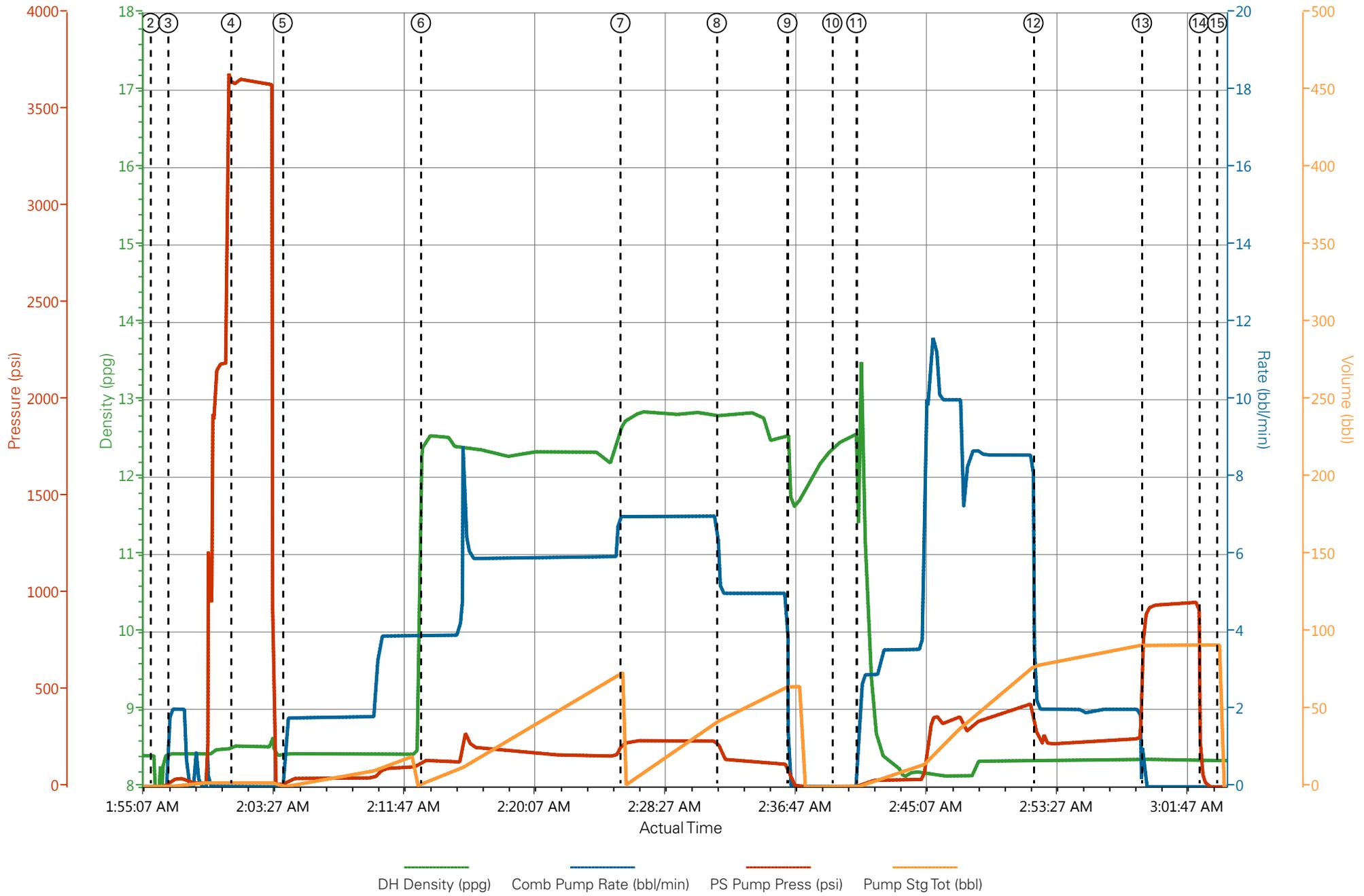
Well: PA 33-6

Representative: Ron Towers

Sales Order #: 901512419

Elite #8: Dustin Hyde / Dillon Martin

WPX PA 33-6 9 5/8" SURFACE



HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: Dustin Hyde
Attention: J.TROUT
Lease: PA
Well #: 33-6

Date: 7/18/2014
Date Rec.: 7/18/2014
S.O.#: 901512419
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>	0 Mg / L
Sulfates (SO ₄)	<i>1500</i>	<200 Mg / L
Temp	<i>40-80</i>	78 Deg
Total Dissolved Solids		220 Mg / L

Respectfully: Dustin Hyde

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.

Sales Order #: 0901512419	Line Item: 10	Survey Conducted Date: 7/19/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: RON TOWERS		API / UWI: (leave blank if unknown) 05-045-22413-00
Well Name: HICKS PA		Well Number: 0080606525
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	7/19/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HB43597
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	

CUSTOMER SIGNATURE

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KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	7/19/2014
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)	3
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	97
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	96
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