

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

RGU 533-24-198

Cyclone/29

Post Job Summary

Cement Production Casing

Date Prepared: 05/10/2014

Job Date: 05/08/2014

Submitted by: Kory Hugentobler - Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3276477	Quote #:	Sales Order #: 0901325120
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Ted Ragsdale	
Well Name: FEDERAL	Well #: RGU 533-24-198	API/UWI #: 05-103-12081-00	
Field: SULPHUR CREEK	City (SAP): MEE	County/Parish: RIO BLANCO	State: COLORADO
Legal Description: 24-1S-98W-2173FSL-1715FEL			
Contractor: CYCLONE		Rig/Platform Name/Num: CYCLONE 29	
Job BOM: 7523			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\H106915		Srvc Supervisor: Edward Deussen	

Job

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	12775.7ft 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		4.5	4	11.6			0	12775.7		0
Open Hole Section			8.75				3924	10749	0	0
Open Hole Section			7.875				10749	12773	0	0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	4.5			12775.7	Top Plug			
Float Shoe					Bottom Plug			
Float Collar					SSR plug set			
Insert Float					Plug Container	4.5	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

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	Water Spacer	Water Spacer	100	bbl	8.33			6.0	

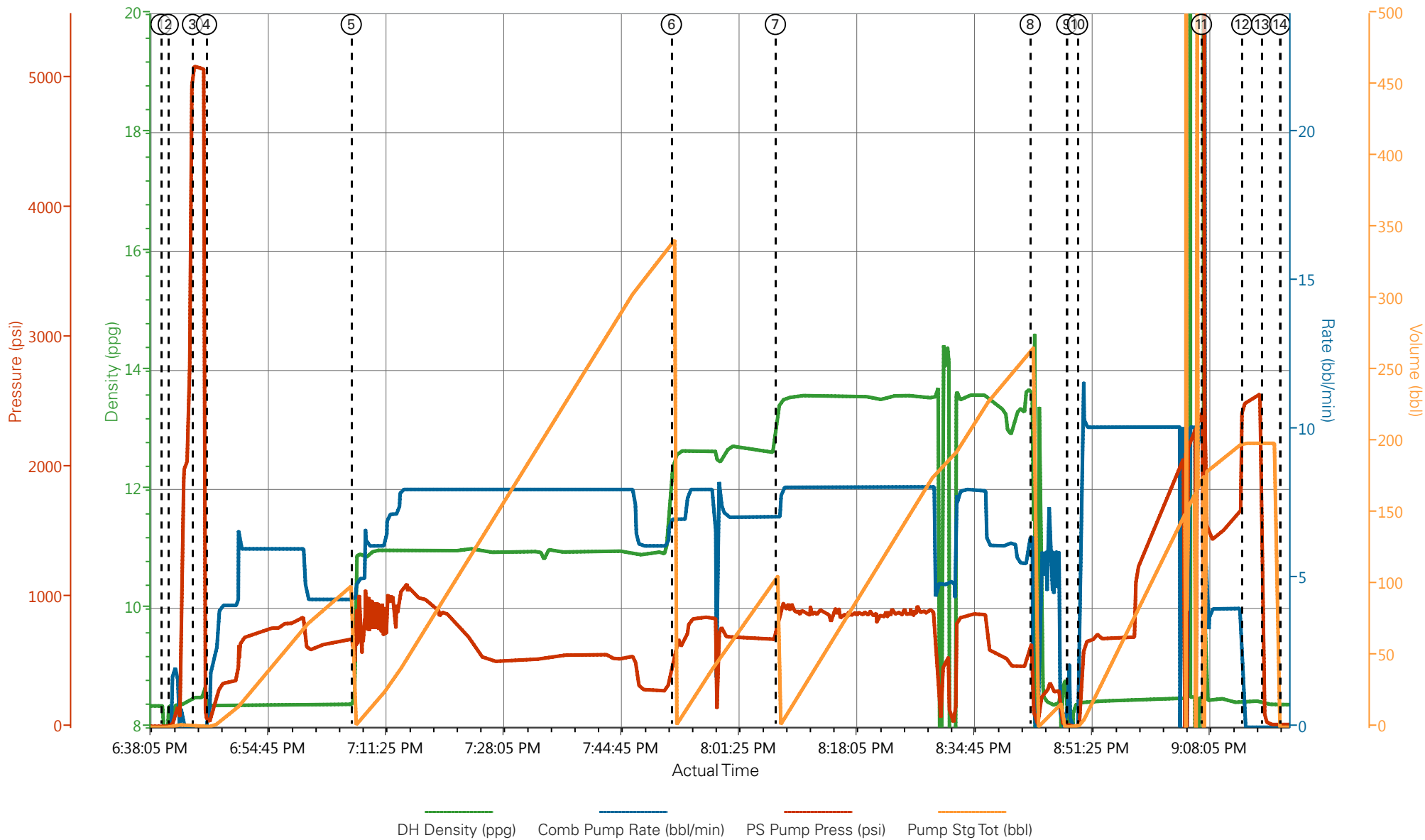
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal

2	ExtendaCem Scavenger	EXTENDACEM (TM) SYSTEM	655	sack	11	2.76		8.0	16.11
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
4	EconoCem Lead	ECONOCEM (TM) SYSTEM	320	sack	12.7	1.91		7.0	10.13
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
5	ThermaCem Tail	THERMACEM (TM) SYSTEM	840	sack	13.5	1.75		8.0	8.24
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
7	KCL Displacement	KCL Displacement	197.6	bbl	8.5			10.0	
Cement Left In Pipe		Amount	25.61 ft		Reason		Shoe Joint		
Comment									

3.1 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	1	Start Job	5/8/2014	18:40:03	COM5					O/L 1200 - TP 12775.70", SJ 25.61', Surf csg @ 3924', 8 3/4" OH to 10749', 7 7/8" OH from 10749' to 12773', Mud 9.3 ppg
Event	2	Prime Lines	5/8/2014	18:41:05	COM5	8.40	2.0	170	2.0	
Event	3	Test Lines	5/8/2014	18:44:31	COM5			5105.00		Pressure Held Well
Event	4	Pump H2O Spacer	5/8/2014	18:46:30	COM5	8.36	6.0	648	100.0	Fresh Water
Event	5	Pump Scavenger Cement	5/8/2014	19:07:00	COM5	11.0	8.0	975	321.9	655 sks, 11.0 ppg, 2.76 yield, 16.11 gal/sk- add 75 lbs Tuff fiber to 1st 100 bbls – Pipe reciprocated
Event	6	Pump Lead Cement	5/8/2014	19:52:20	COM5	12.7	7.0	830	108.8	320 sks, 12.7 ppg, 1.91 yield, 10.13 gal/sk
Event	7	Pump Tail Cement	5/8/2014	20:07:04	COM5	13.5	8.0	915	261.8	840 sks, 13.5 ppg, 1.75 yield, 8.24 gal/sk
Event	8	Shutdown	5/8/2014	20:43:09	COM5					Clean Lines to Pit / Lost Returns
Event	9	Drop Top Plug	5/8/2014	20:48:19	COM5					Rig supplied Latch-down PLUG
Event	10	Pump Displacement	5/8/2014	20:49:51	COM5	8.38	10.0	2457	197.6	1 gal MMCR, 1 bag KCl per 10 bbls
Event	11	Slow Rate	5/8/2014	21:07:24	COM5	8.40	4.0	1450	177	Returns never re-established
Event	12	Bump Plug	5/8/2014	21:13:07	COM5			1678		
Event	13	Check Floats	5/8/2014	21:15:54	COM5			2507		Floats held - 2 bbl flowback
Event	14	End Job	5/8/2014	21:18:30	COM5					2 add hours

WPX - RGU 533-24-198 - 4 1/2" PRODUCTION



- ① Start Job 8.36;0;9;0 ④ Pump H2O Spacer 8.36;1.5;36;0 ⑦ Pump Tail Cement 13.38;7.1;807;0.1 ⑩ Pump Displacement 8.39;6.8;213;1.8 ⑬ Check Floats 8.38;0;80;199
- ② Prime Lines 8.18;1.1;12;0 ⑤ Pump Scavenger Cement 8.66;4.4;577;0.8 ⑧ Shutdown 11.66;0;123;265.9 ⑪ Slow Rate 8.45;9.9;2462;177.8 ⑭ End Job 8.38;0;21;0
- ③ Test Lines 8.5;0;5105;1.7 ⑥ Pump Lead Cement 12.52;7;549;0.2 ⑨ Drop Top Plug 8.36;0.3;32;0.7 ⑫ Bump Plug 8.44;0;2504;199

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Created: 2014-05-08 17:42:59, Version: 3.0.121

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 5/8/2014 6:03:05 PM

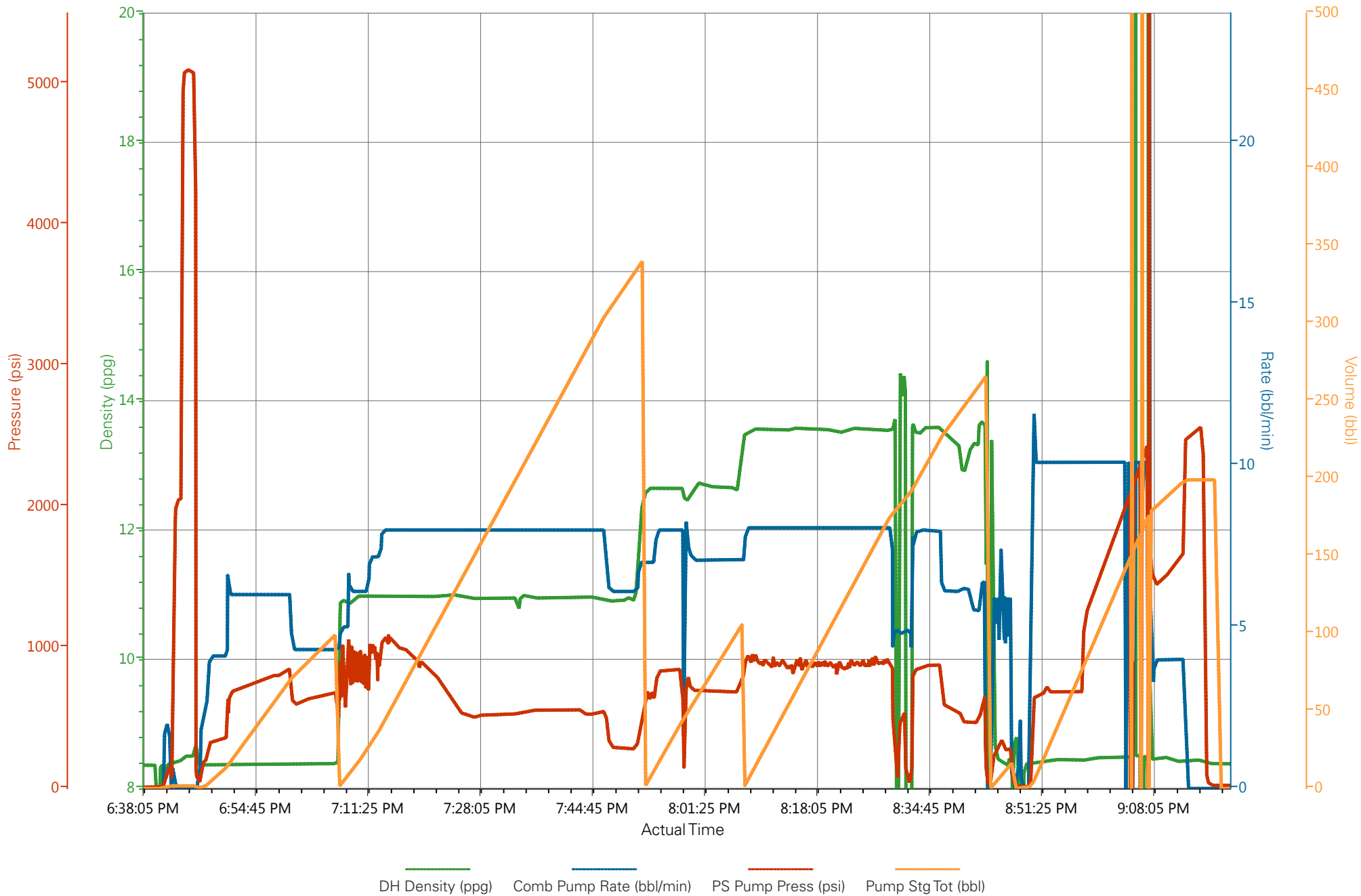
Well: RGU 533-24-198

Representative: Ted Ragsdale

Sales Order #: 901325120

Elite #7: Ed Deussen / Rob Eickhoff

WPX - RGU 533-24-198 - 4 1/2" PRODUCTION



HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: ED DEUSSEN
Attention: J.TROUT
Lease: FED RGU
Well #: 533-24-198

Date: 5/8/2014
Date Rec.: 5/8/2014
S.O.#: 901325120
Job Type: PRODUCTION

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	200 Mg / L
Calcium (Ca)	<i>500</i>	250 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>	55 Deg
Total Dissolved Solids		260 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

Sales Order #: 0901325120	Line Item: 10	Survey Conducted Date: 5/9/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT PRODUCTION CASING BOM
Customer Representative: TED RAGSDALE		API / UWI: (leave blank if unknown) 05-103-12081-00
Well Name: FEDERAL		Well Number: 0080359377
Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: RIO BLANCO

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	5/8/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HB57194
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	TED RAGSDALE
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	GOOD JOB / JOB WENT WELL !!! / THANKS

CUSTOMER SIGNATURE

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KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	5/9/2014
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)	7
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)	3
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: RIO BLANCO

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	98
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