

WPX Energy Rocky Mountain LLC- EBUS

GM 543-12

H&P 318

Post Job Summary

Cement Surface Casing

Date Prepared: 07/25/2014
Job Date: 07/20/2014

Submitted by: Evan Russell – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3535743	Quote #:	Sales Order #: 0901517197
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Josh Garibay	
Well Name: C&C ENERGY GM	Well #: 543-12	API/UWI #: 05-045-22433-00	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: GARFIELD	State: COLORADO
Legal Description: SW SW-12-7S-96W-265FSL-1061FWL			
Contractor:		Rig/Platform Name/Num: H&P 318	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180		Srvc Supervisor: Edward Deussen	

Job

Formation Name	
Formation Depth (MD)	Top
Form Type	BHST
Job depth MD	1749 ft
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	1749		
Open Hole Section			13.5				0	1749		

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe				1749	Top Plug	9.625	1	HES
Float Shoe					Bottom Plug			
Float Collar					SSR plug set			
Insert Float					Plug Container	9.625	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

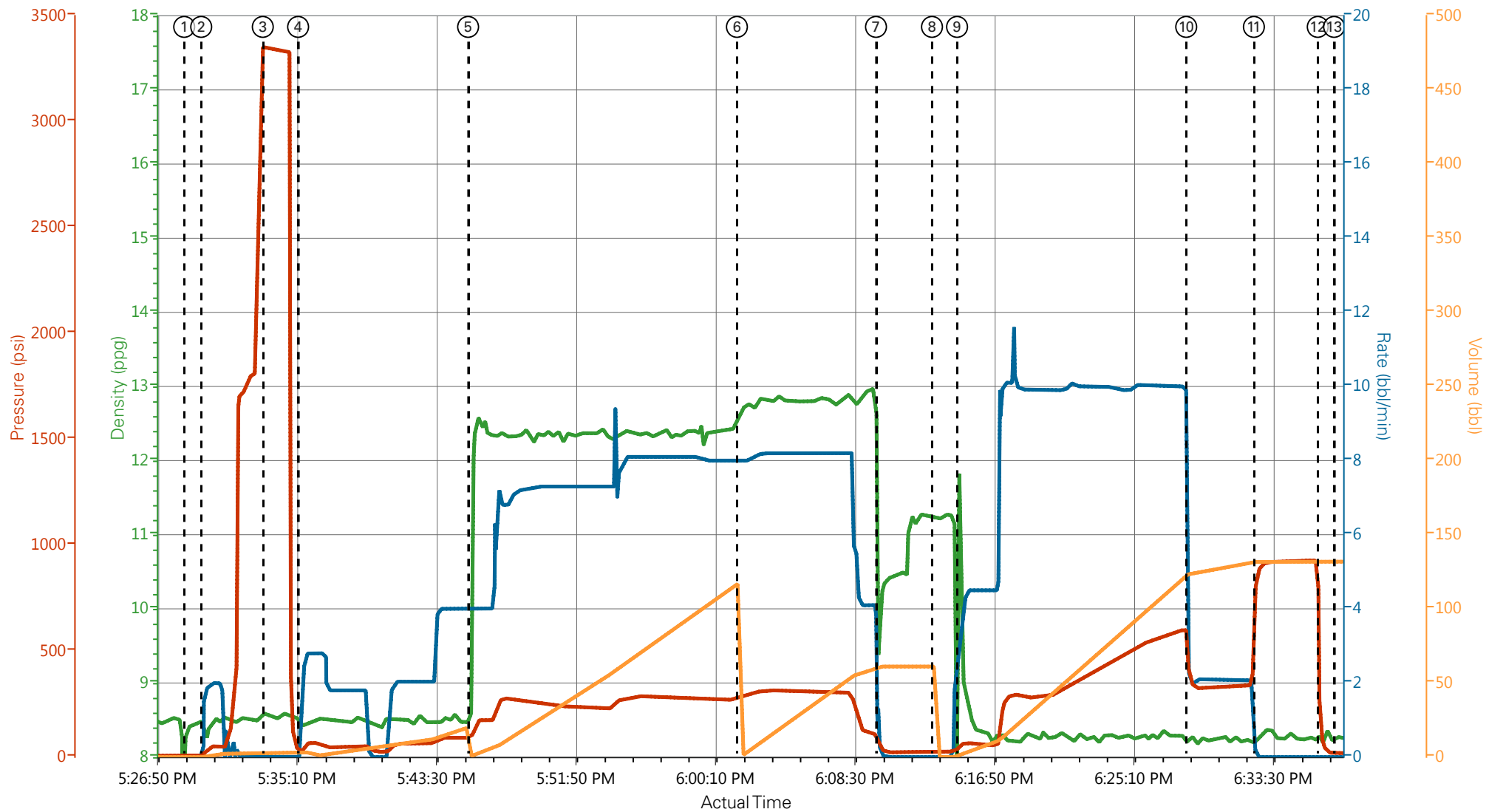
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Fresh Water Spacer	Fresh Water Spacer	20	bbl	8.34			4.0		
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	

2	VariCem GJ1	VARICEM (TM) CEMENT	270	sack	12.3	2.38		8.0	13.77
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
3	VariCem GJ1	VARICEM (TM) CEMENT	165	sack	12.8	2.11		8.0	11.77
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	Displacement	Displacement	134.2	bbl	8.3			10.0	
Cement Left In Pipe		Amount	44.13 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	Start Job	7/20/2014	17:28:37	COM5					O/L 1400 - TP 1749', SJ 44.13', Mud 9.8 ppg, 13 1/2" OH, 9 5/8" 32.3# csg, / Problem with Cement Head - decided to pump thru 9 5/8" swage - ok per company rep.
Event	2	Prime Pumps	7/20/2014	17:29:38	COM5	8.33	2.0	53	2.0	Fresh Water
Event	3	Test Lines	7/20/2014	17:33:18	COM5			3359		Pressure held well
Event	4	Pump Spacer 1	7/20/2014	17:35:25	COM5	8.33	4.0	91	20.0	Fresh Water - Pipe reciprocated
Event	5	Pump Lead Cement	7/20/2014	17:45:34	COM5	12.3	8.0	281	114.4	270 sks, 12.3 ppg, 2.38 yield, 13.77 gal/sk
Event	6	Pump Tail Cement	7/20/2014	18:01:38	COM5	12.8	8.0	310	62.0	165 sks, 12.8 ppg, 2.11 yield, 11.77 gal/sk
Event	7	Shutdown	7/20/2014	18:09:56	USER					Wash Up on top of Plug
Event	8	Drop Top Plug	7/20/2014	18:13:17	USER					
Event	9	Pump Displacement	7/20/2014	18:14:47	COM5	8.33	10.0	604	134.2	Fresh Water
Event	10	Slow Rate	7/20/2014	18:28:28	USER	8.33	2.0	336	10.0	20 bbls cement to surface
Event	11	Bump Plug	7/20/2014	18:32:31	USER			341		
Event	12	Check Floats	7/20/2014	18:36:20	USER			911		Floats held - 3/4 bbl flowback
Event	13	End Job	7/20/2014	18:37:19	USER					40 lbs sugar used

WPX - GM 543-12 - 9 5/8" SURFACE



DH Density (ppg) 8.36 Comb Pump Rate (bbl/min) 0 PS Pump Press (psi) 14 Pump Stg Tot (bbl) 137.7

- | | | | | |
|-------------------------------|------------------------------------|--------------------------------------|---------------------------------|---------------------------|
| ① Start Job 8.4;0;10;0 | ④ Pump H2O Spacer 8.47;0.9;23;2.4 | ⑦ Shutdown 9.39;0.3;49;61.1 | ⑩ Slow Rate 8.25;2;376;123.8 | ⑬ End Job 8.29;0;16;131.7 |
| ② Prime Lines 8.35;1.8;11;0.1 | ⑤ Pump Lead Cement 9.4;4;97;0.8 | ⑧ Drop Top Plug 11.22;0;26;61.1 | ⑪ Bump Plug 8.23;0;861;131.7 | |
| ③ Test Lines 8.57;0;3357;2.3 | ⑥ Pump Tail Cement 12.63;8;279;0.1 | ⑨ Pump Displacement 10.59;3.2;62;1.1 | ⑫ Check Floats 8.17;0;108;131.7 | |

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Created: 2014-07-20 12:27:52, Version: 3.0.121

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 7/20/2014 3:02:21 PM

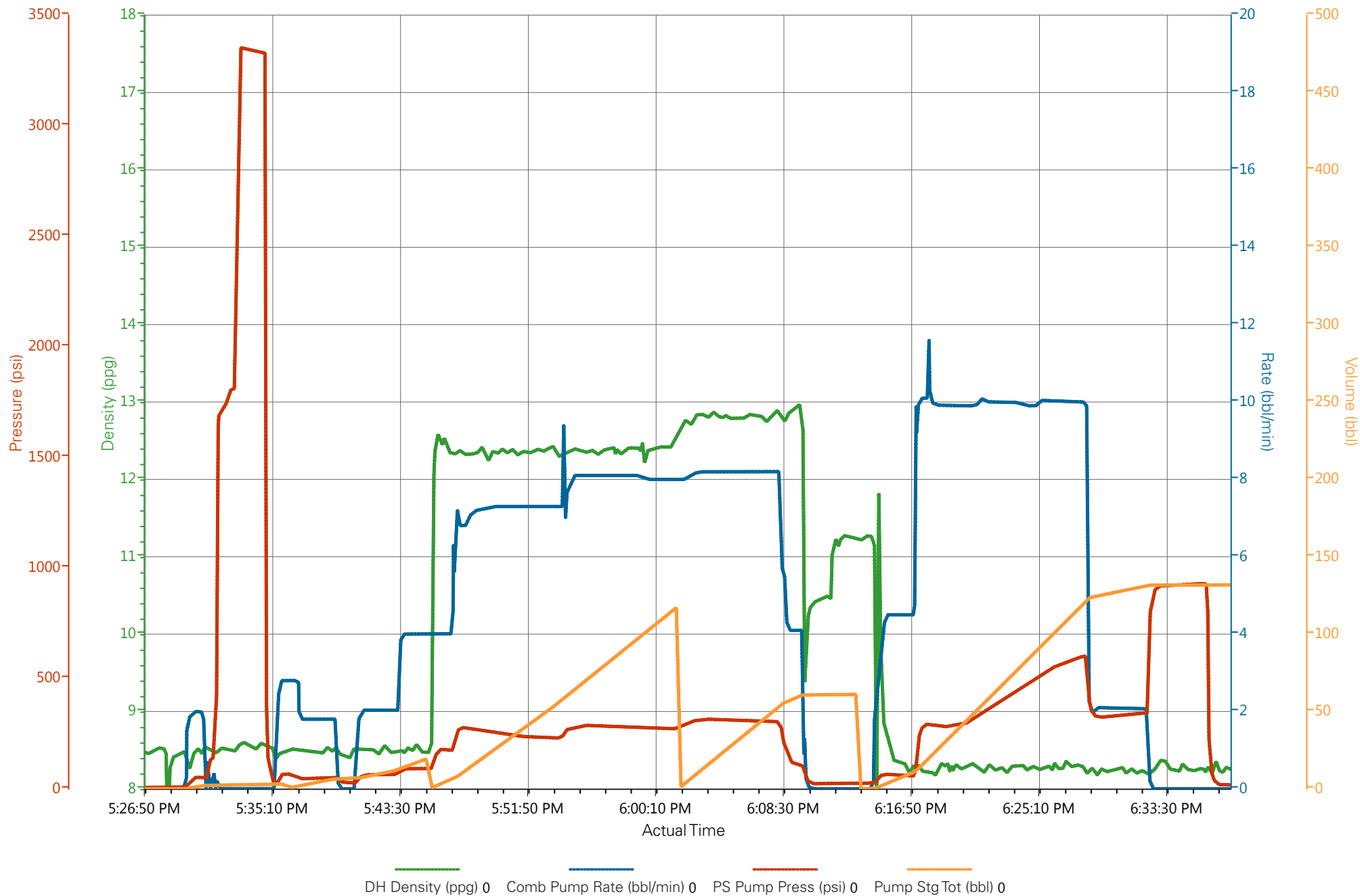
Well: GM 543-12

Representative: Josh Garibay

Sales Order #: 901517197

Elite #2: Ed Deussen / Brent Banks

WPX - GM 543-12 - 9 5/8" SURFACE



HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: ED DEUSSEN

Attention: J.TROUT

Lease: GM

Well #: 543-12

Date: 7/20/2014

Date Rec.: 7/20/2014

S.O.#: 901517197

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	6.5
Potassium (K)	<i>5000</i>	0 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>	84 Deg
Total Dissolved Solids		140 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.

Sales Order #: 0901517197	Line Item: 10	Survey Conducted Date: 7/20/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH GARIBAY		API / UWI: (leave blank if unknown) 05-045-22433-00
Well Name: C&C ENERGY GM		Well Number: 0080612784
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	7/20/2014
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	JOSH GARIBAY
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 The date the survey was conducted	7/20/2014

Cementing KPI Survey	
Type of Job Select the type of job. (Cementing or Non-Cementing)	0
Select the Maximum Deviation range for this Job What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	4
HSE Incident, Accident, Injury HSE Incident, Accident, Injury. This should be recordable incidents only.	No
Was the job purpose achieved? Was the job delivered correctly as per customer agreed design?	Yes
Pumping Hours Total number of hours pumping fluid on this job. Enter in decimal format.	2
Type of Rig Classification Job Was Performed Type Of Rig (classification) Job Was Performed On	Drilling Rig (Portable)
Number Of JSAs Performed Number Of Jsas Performed	5
Was this a Primary Cement Job (Yes / No) Primary Cement Job= Casing job, Liner job, or Tie-back job.	Yes
Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time.	0
Customer Non-Productive Rig Time (hrs)	0

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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.	
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs?	Top
If a top plug was run, was the plug bumped? (Yes/No/N/A) If a top plug was run, was the plug bumped? (Yes/No/N/A)	Yes
If applicable, was Halliburton float equipment used? (Yes/No/N/A) If applicable, was Halliburton float equipment used? (Yes/No/N/A)	N/A
If applicable, did the floats hold? (Yes/No/N/A) If applicable, did the floats hold? (Yes/No/N/A)	Yes
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	99
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	99
If applicable, were there returns throughout the job? (Yes/No/N/A) If applicable, were there returns throughout the job? (Yes/No/N/A)	YES
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