

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

AP 423-17-695

Nabors 573

Post Job Summary

Cement Surface Casing

Date Prepared: 09/30/2014
Job Date: 09/28/2014

Submitted by: Kory Hugentobler – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3560634	Quote #:	Sales Order #: 0901700158
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep:	
Well Name: AP		Well #: 423-17-695	API/UWI #: 05-045-21392-00
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: GARFIELD	State: COLORADO
Legal Description: NE NW-20-6S-95W-25NFL-2487FWL			
Contractor:		Rig/Platform Name/Num: NABORS 573	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HX23209		Srvc Supervisor: Francisco Javier Castillo	

Job

Formation Name			
Formation Depth (MD)	Top	2612ft	Bottom 2612ft
Form Type		BHST	
Job depth MD	2612ft	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	NEW	9.625	9.001	362.3			0	2612		0
Open Hole Section			13.5					2612	0	0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625	1	WTF	2612	Top Plug	9.625	1	HES
Float Shoe					Bottom Plug			
Float Collar	9.625	1	WTF	2571	SSR plug set			
Insert Float					Plug Container	9.625	1	HES
Stage Tool					Centralizers	9.625		WTF

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	Fresh Water	20	bbl	8.3			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	VariCem GJ1	VARICEM (TM) CEMENT	420	sack	12.3	2.38		6.8	13.77

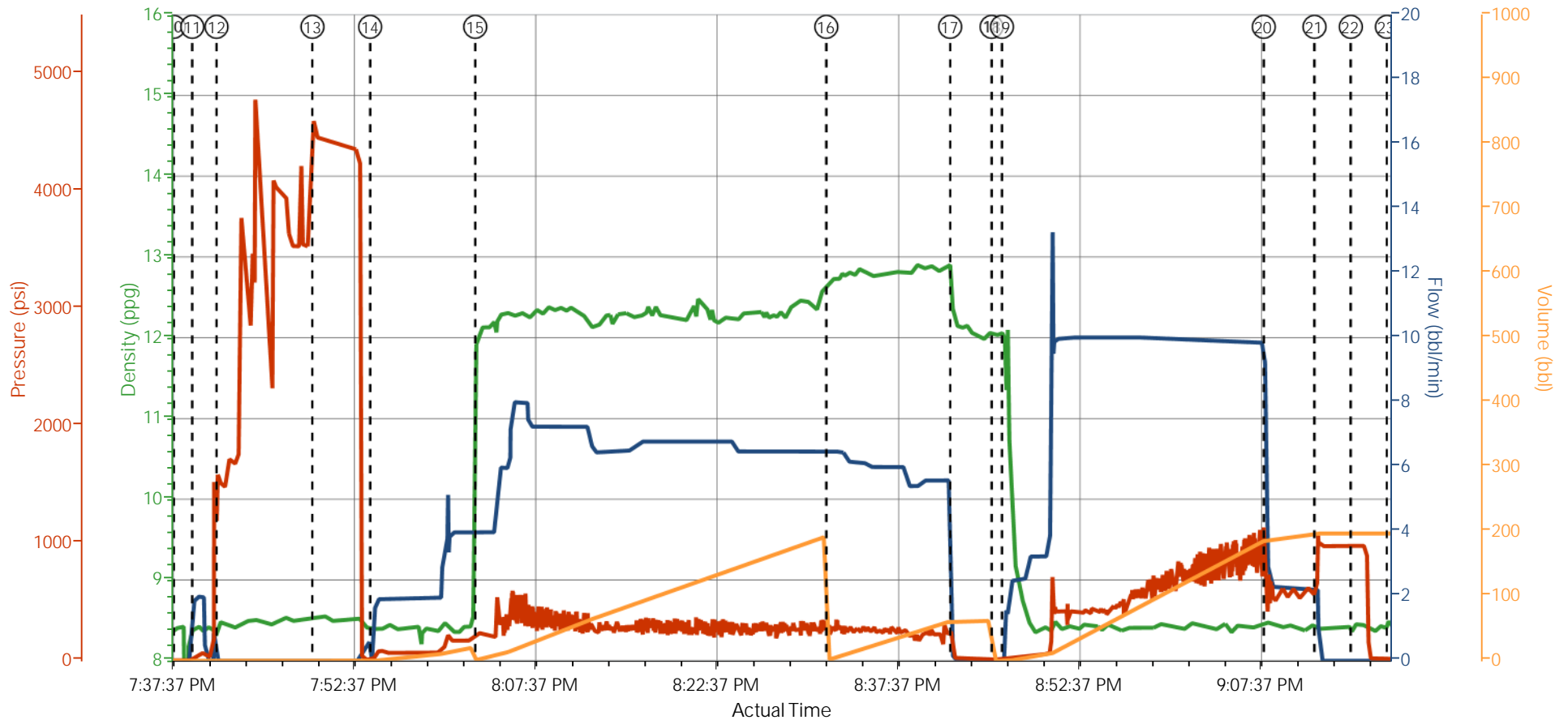
13.70 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	VariCem GJ1	VARICEM (TM) CEMENT	165	sack	12.8	2.11		6	11.77
11.71 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
4	Displacement	Displacement	202	bbl	8.33			10	
Cement Left In Pipe		Amount	44.17 ft		Reason		Shoe Joint		
Comment									

1.1 Job Event Log

Type	Seq No.	Graph Label	Date	Time	Source	Downhole Density (ppg)	Combined Pump Rate (bbl/min)	Pass-Side Pump Pressure (psi)	Pump Stage Total (bbl)	Comment
Event		CALL OUT	9/28/2014	09:00:00						ON LOCATION TIME AT 15:00 HRS
Event		DEPART YARD SAFETY MEETING	9/28/2014	13:50:00						NO INJURIES TO REPORT
Event		CREW LEAVE THE YARD	9/28/2014	14:00:00						
Event		ARRIVE AT THE BOTTOM OF THE HILL	9/28/2014	15:00:00						RIG WAS STILL RUNNING CASING AND COULD NOT STAGE TRUCKS TILL CASING CREW CLEARED LOCATION
Event		TRUCKS ON LOCATION	9/28/2014	18:00:00						
Event		RIG UP SAFETY MEETING	9/28/2014	18:15:00						
Event		RIG UP	9/28/2014	18:20:00						1-ELITE, 2-660s, 2" PUMPING IRON, 9.625 PLUG CONTAINER, BALE BASKET
Event		RIG UP COMPLETE	9/28/2014	18:55:00						
Event		PRE-JOB SAFETY MEETING	9/28/2014	19:00:00						ALL HES PERSONEL AND RIG CREW
Event	10	START JOB	9/28/2014	19:38:02						SET DEPTH-2612' OH-13.5", TP-2612',SJ-41.17, FC-2571', CSG-9.625", 32.3#, H-40, MUD-10.7 PPG, FV-65
Event	11	FILL LINES	9/28/2014	19:39:33		8.33 PPG	2 BPM	75 PSI	2 BBLS	FRESH WATER
Event	12	STALL OUT	9/28/2014	19:41:34						HELD PRESSURE AT 1680 PSI
Event	13	TEST LINES	9/28/2014	19:49:29						HELD PRESSURE AT 4500 PSI
Event	14	WATER SPACER	9/28/2014	19:54:16		8.33 PPG	4 BPM	173 PSI	20 BBLS	FRESH WATER
Event	15	LEAD SLURRY	9/28/2014	20:02:57		12.3 PPG	6.8 BPM	284 PSI	178 BBLS	420 SKS, 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK
Event	16	TAIL SLURRY	9/28/2014	20:31:58		12.8 PPG	6 BPM	260 PSI	62 BBLS	165 SKS, 12.8 PPG, 2.11 FT3/SK, 11.77 GAL/SK
Event	17	SHUTDOWN	9/28/2014	20:42:12						
Event	18	DROP TOP PLUG	9/28/2014	20:45:38						PLUG DROP VERIFIED BY CUSTOMER
Event	19	DISPLACEMENT	9/28/2014	20:46:29		8.33 PPG	10 BPM	940 PSI	192 BBLS	FRESH WATER

Event	20	SLOW RATE	9/28/2014	21:08:08	8.33 PPG	2 BPM	577 PSI	10 BBLS	
Event	21	BUMP PLUG	9/28/2014	21:12:19			980 PSI	TOTAL DISP 202 BBLS	CIRCULATED 50 BBLS / 118 SKS OF CEMENT TO SURFACE
Event	22	CHECK FLOATS	9/28/2014	21:15:20					FLOATS HELD / FLOW BACK 1 BBL
Event	23	END JOB	9/28/2014	21:18:19					USED 40 LBS OF SUGAR
Event		RIG DOWN SAFETY MEETING	9/28/2014	21:25:00					
Event		RIG DOWN	9/28/2014	21:30:00					
Event		RIG DOWN COMPLETE	9/28/2014	22:30:00					WAITING FOR DOZER TO GET TRUCKS OFF LOCATION
Event		DEPART LOCATION SAFETY MEETING	9/28/2014	22:35:00					NO INJURIES TO REPORT
Event		CREW LEAVE LOCATION	9/28/2014	22:55:00					
Event		THANK YOU	9/28/2014	22:57:00					THANK YOU FOR YOUR BUSINESS FROM JAVIER CASTILLO AND CREW

WPX AP 423-17-695 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 | • RIG UP n/a;n/a;n/a;n/a | • TEST LINES 8.52;0;4459.76;1.97 | • DISPLACEMENT 12;1.69;27.19;0.08 |
| • DEPART YARD SAFETY MEETING n/a;n/a;n/a;n/a | • RIG UP COMPLETE n/a;n/a;n/a;n/a | • WATER SPACER 8.42;0.91;16.88;0.06 | 20 SLOW RATE 8.44;2.96;441.57;187.61 |
| • CREW LEAVE THE YARD n/a;n/a;n/a;n/a | • PRE-JOB SAFETY MEETING n/a;n/a;n/a;n/a | • LEAD SLURRY 12.15;3.97;216.57;2.28 | 21 BUMP PLUG 8.41;0;1022.83;197.12 |
| • ARRIVE AT THE BOTTOM OF THE HILL n/a;n/a;n/a;n/a | • START JOB 8.41;0;6.56;0 | • TAIL SLURRY 12.71;6.48;283.13;2.54 | 22 CHECK FLOATS 8.48;0;979.7;197.12 |
| • TRUCKS ON LOCATION n/a;n/a;n/a;n/a | • FILL LINES 8.4;1.99;38.44;0.57 | • SHUTDOWN 12.24;0;24.38;61.86 | 23 END JOB 8.41;0;15;197.12 |
| • RIG UP SAFETY MEETING n/a;n/a;n/a;n/a | • STALL OUT 8.47;0;1511.28;1.96 | • DROPTOP PLUG 12.04;0;11.25;0 | 24 RIG DOWN SAFETY MEETING 8.37;0;13.13;197.12 |

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Created: 2014-09-28 22:22:48, Version: 3.0.121

Edit

Customer : WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date : 9/28/2014 12:00:00 AM

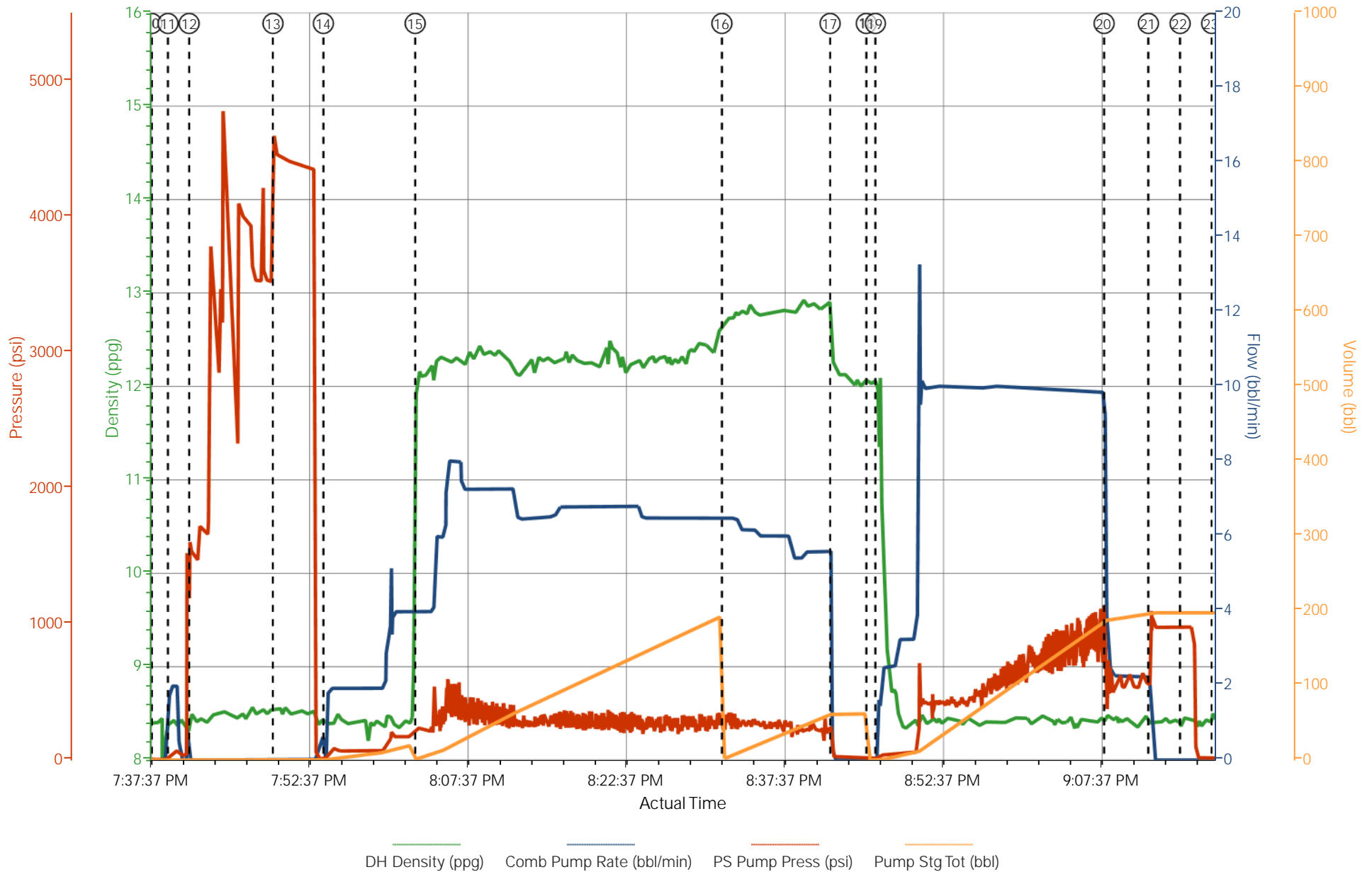
Well : AP 422-20-695

Representative: BEAUDE OAKS

Sales Order # : 901700158

ELITE #2: J. CASTILLO / DAN SINCLAIR

WPX AP 423-17-695 Surface



HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: JAVIER CASTILLO

Attention: Chuck Ross

Lease: AP

Well #: 423-17-695

Date: 9/28/2014

Date Rec.: 9/28/2014

S.O.#: 901700158

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
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	70 Deg
Total Dissolved Solids		550 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 #: 0901700158	Line Item: 10	Survey Conducted Date: 9/28/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: BEAUDE OAKS		API / UWI: (leave blank if unknown) 05-045-21392-00
Well Name: AP		Well Number: 0080125222
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	9/29/2014
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	BEAUDE OAKS
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	9/28/2014

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.	9
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
Operating Hours (Pumping Hours) Total number of hours pumping fluid on this job. Enter in decimal format.	2
Customer Non-Productive Rig Time (hrs) 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
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
Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time.	0
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	90
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	90
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