

WPX Energy Rocky Mountain LLC-EBUS

RU 41-7

Nabors 574

Post Job Summary

Cement Production Casing

Date Prepared: 02/05/2015
Job Date: 01/30/2015

Submitted by: Jenna Cook – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3356181	Quote #:	Sales Order #: 0902051794
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: MATT HUTSON	
Well Name: YOUBERG	Well #: RU 41-7	API/UWI #: 05-045-22350-00	
Field: RULISON	City (SAP): RIFLE	County/Parish: GARFIELD	State: COLORADO
Legal Description: SE NE-7-7S-93W-2441FNL-389FEL			
Contractor: NABORS DRLG		Rig/Platform Name/Num: NABORS 574	
Job BOM: 7523			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180		Srcv Supervisor: Eric Carter	
Job			

Formation Name				
Formation Depth (MD)	Top	1176 FT.	Bottom	10355 FT.
Form Type	BHST			
Job depth MD	10352ft		Job Depth TVD	
Water Depth			Wk Ht Above Floor	4 FT.
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	1176		0
Casing		4.5	4	11.6		N-80	0	10352		0
Open Hole Section			8.75				1176	10355	0	0

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe						Top Plug	4.5	1	HES
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	Fresh Water	Fresh Water	10	bbl	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	EconoCem GJ2	ECONOCHEM (TM) SYSTEM	215	sack	12.7	1.66	8.51	5		

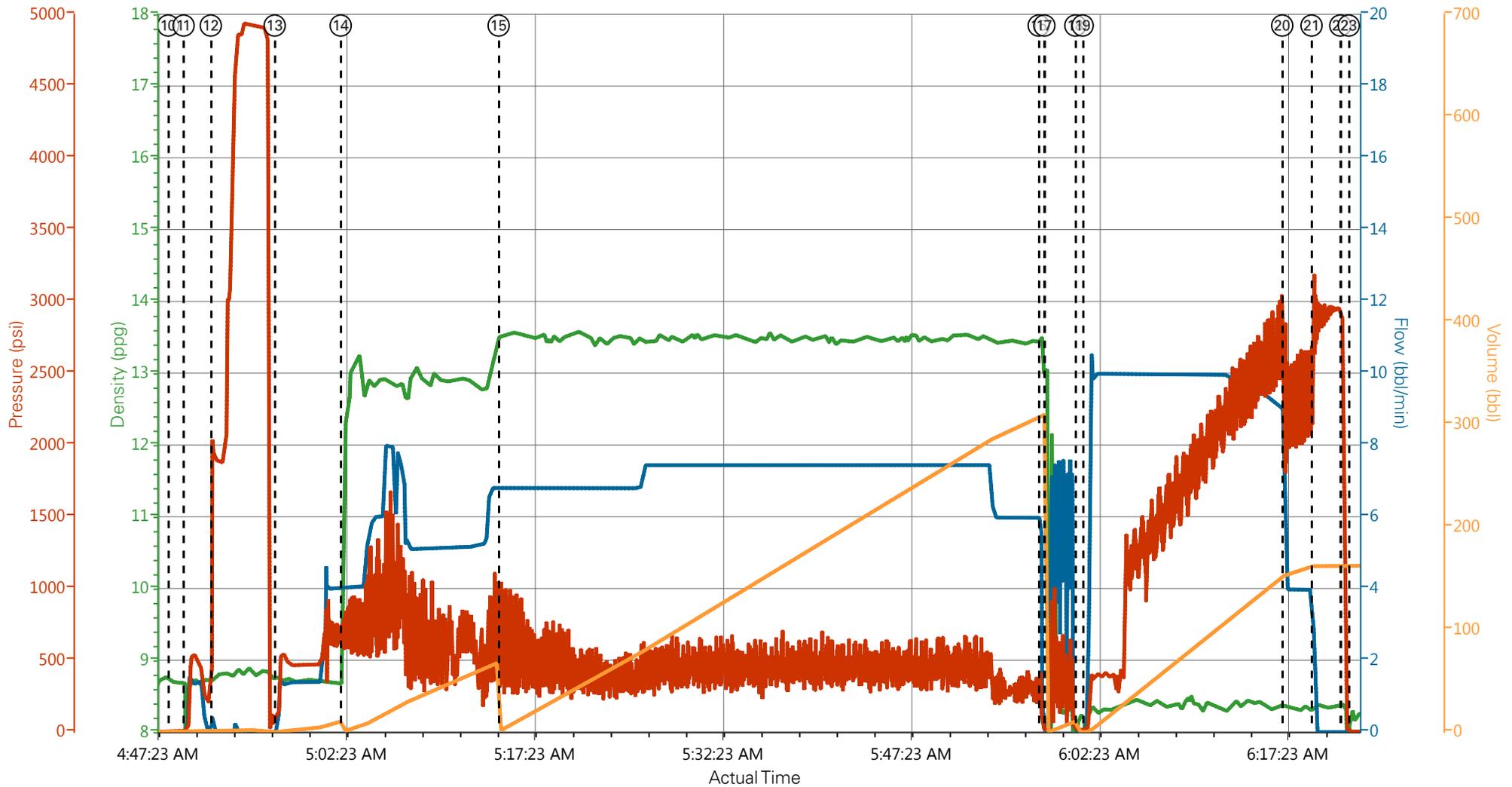
8.69 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	ThermaCem GJ2	THERMACEM (TM) SYSTEM	855	sack	13.5	1.74	7.61	7	
8 lbm		KOL-SEAL, BULK (100064233)							
7.72 Gal		FRESH WATER							
0.20 %		HR-601, 50 LB BAG (101328348)							
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	Fresh Water Displacement	Fresh Water Displacement	160.4	bbl	8.4			10	
Cement Left In Pipe	Amount	32 ft		Reason	Shoe Joint				
Comment									

1.1 Job Event Log

Type	Seq. No.	Activity	Date	Time	Source	DH Density (ppg)	PS Pump Press (psi)	Comb Pump Rate (bbl/min)	Pump Stg Tot (bbl)	Comment
Event	1	Call Out	1/29/2015	22:00	USER					
Event	2	Depart Yard Safety Meeting	1/29/2015	23:50	USER					ATTENDED BY ALL HES CREW
Event	3	Crew Leave Yard	1/30/2015	00:00	USER					
Event	4	Arrive At Loc	1/30/2015	02:30	USER					RIG CIRCULATING
Event	5	Assessment Of Location Safety Meeting	1/30/2015	03:00	USER					ATTENDED BY ALL HES CREW
Event	6	Other	1/30/2015	03:10	USER					SPOT EQUIPMENT
Event	7	Pre-Rig Up Safety Meeting	1/30/2015	03:20	USER					ATTENDED BY ALL HES CREW
Event	8	Rig-Up Equipment	1/30/2015	03:30	USER					
Event	9	Pre-Job Safety Meeting	1/30/2015	04:30	USER					ATTENDED BY ALL HES CREW, RIG CREW AND COMPANY REP
Event	10	Other	1/30/2015	04:56:24	USER					TP 10352', TD 10355', MW 11.1 PPG, CASING 4.5", 11.6#, N-80, SJ 32.35', HOLE 8.75", SURFACE CASING 9.625", 32.3# SET AT 1176', RIG CIRCULATED FOR 2.5 HR'S PRIOR TO JOB
Event	11	Other	1/30/2015	04:57:18	USER	8.34	525	2	2	FRESH WATER
Event	12	Test Lines	1/30/2015	05:07:11	USER					PRESSURED UP TO 4950 PSI, PRESSURE HELD
Event	13	Pump Spacer	1/30/2015	05:12:31	USER	8.34	680	4	10	FRESH WATER
Event	14	Pump Lead Cement	1/30/2015	05:17:52	USER	12.7	700	5	63.6	215 SKS ECONOCEM MIXED AT 12.7 PPG, 1.66 YIELD, 8.51 GL/SK
Event	15	Pump Tail Cement	1/30/2015	05:27:13	USER	13.5	650	7	265	855 SKS THERMACEM MIXED AT 13.5 PPG, 1.74 YIELD, 7.61

										GL/SK
Event	16	Shutdown	1/30/2015	05:39:24	USER					
Event	17	Clean Lines	1/30/2015	05:40:44	USER					CLEANED PUMPS AND LINES TO PIT
Event	18	Drop Top Plug	1/30/2015	05:41:58	USER					PLUG LAUNCHED
Event	19	Pump Displacement	1/30/2015	05:43:04	USER	8.4	2750	10	150.4	FRESH WATER WITH KCL, BE-6 AND MMCR
Event	20	Slow Rate	1/30/2015	05:44:16	USER	8.4	2360	4	10	
Event	21	Bump Plug	1/30/2015	05:50:00	USER		2950			PLUG LANDED
Event	22	Check Floats	1/30/2015	06:00:00	USER					FLOATS HELD
Event	23	Other	1/30/2015	06:10:00	USER					GOOD CIRCULATION THROUGHOUT JOB, 0 BBLS CEMENT TO SURFACE, PIPE NOT MOVED DURING JOB
Event	24	Post-Job Safety Meeting (Pre Rig-Down)	1/30/2015	06:15	USER					ATTENDED BY ALL HES CREW
Event	25	Rig-Down Equipment	1/30/2015	06:20	USER					
Event	26	Depart Location Safety Meeting	1/30/2015	08:50	USER					ATTENDED BY ALL HES CREW
Event	27	Crew Leave Location	1/30/2015	09:00	USER					THANK YOU FOR USING HALLIBURTON CEMENT, ERIC CARTER AND CREW.

WPX - RU 41-7 - PRODUCTION



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

- | | | | | |
|--|---|--------------------------------------|---|-----------------|
| ① Call Out n/a;n/a;n/a;n/a | ⑤ Assessment Of Location Safety Meeting n/a;n/a;n/a;n/a | ⑨ Pre-Job Safety Meeting 8.7;0;0.6;0 | ⑬ Pump Spacer 8.81;0;101.86;0 | ⑰ Clean Lines 1 |
| ② Depart Yard Safety Meeting n/a;n/a;n/a;n/a | ⑥ Other n/a;n/a;n/a;n/a | ⑩ Start Job 8.7;0;0.6;0 | ⑭ Pump Lead Cement 11.43;4.01;577.18;0.8 | ⑱ Drop Top Plu |
| ③ Crew Leave Yard n/a;n/a;n/a;n/a | ⑦ Pre-Rig Up Safety Meeting n/a;n/a;n/a;n/a | ⑪ Fill Lines 8.55;0;24.04;0 | ⑮ Pump Tail Cement 13.55;6.81;539.68;2.44 | ⑲ Pump Displa |
| ④ Arrive At Loc n/a;n/a;n/a;n/a | ⑧ Rig-Up Equipment n/a;n/a;n/a;n/a | ⑫ Test Lines 8.78;0;1910.32;1.83 | ⑯ Shutdown 13.51;0.69;15.6;309.38 | 20 Slow Rate 8. |



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Created: 2015-01-30 07:21:31, Version: 3.0.121

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 1/30/2015 12:00:00 AM

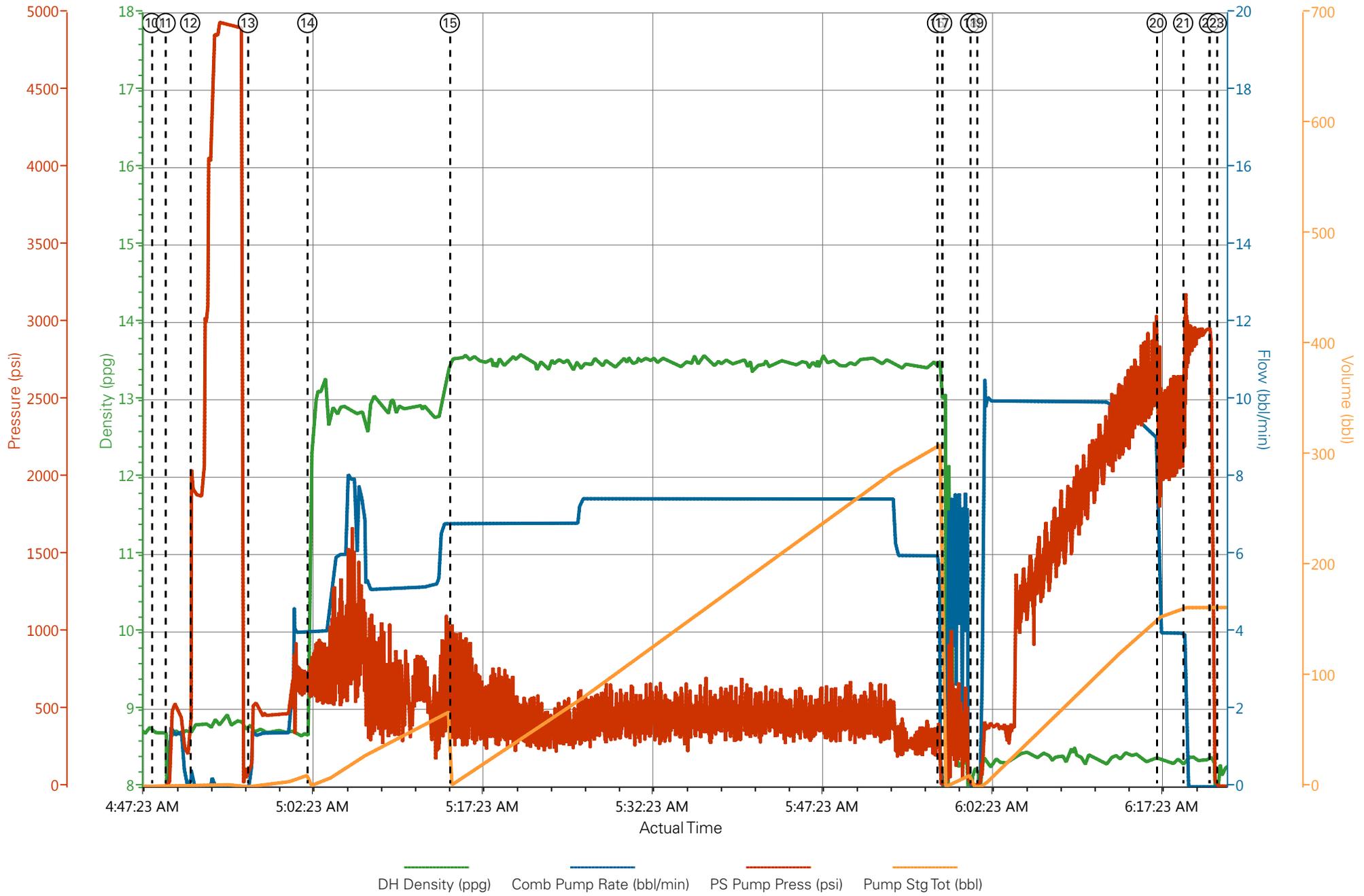
Well: RU 41-7

Representative: MATT HUTSON

Sales Order #: 0902051794

ERIC CARTER: KEVIN BENNETT/ELITE 6

WPX - RU 41-7 - PRODUCTION



Sales Order #: 0902051794	Line Item: 10	Survey Conducted Date: 1/30/2015
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT PRODUCTION CASING BOM
Customer Representative: MATT HUTSON		API / UWI: (leave blank if unknown) 05-045-22350-00
Well Name: YOUBERG		Well Number: 0080456565
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	1/30/2015
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HX15491
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	MATT HUTSON
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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Customer Representative: MATT HUTSON		API / UWI: (leave blank if unknown) 05-045-22350-00
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H2S Present: No	Well State: COLORADO	Well County: GARFIELD

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	1/30/2015
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?	
Pumping Hours	1.5
Total number of hours pumping fluid on this job. Enter in decimal format.	
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	
Was this a Primary Cement Job (Yes / No)	Yes
Primary Cement Job= Casing job, Liner job, or Tie-back job.	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Customer Non-Productive Rig Time (hrs)	0

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Well Name: YOUBERG		Well Number: 0080456565
Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: GARFIELD

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.	
Was the non productive time or the unplanned shutdown caused by a problem with a piece of equipment? Was the non productive time or the unplanned shutdown caused by a problem with a piece of equipment?	No
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)	Not Available
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	98
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
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

HALLIBURTON

Water Analysis Report

Company: WPX

Date: 2/5/2015

Submitted by: ERIC CARTER

Date Rec.: 2/5/2015

Attention: J.Trout

S.O.# 902051794

Lease NABORS 574

Job Type: PRODUCTION

Well # RU 41-7

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	0 Mg / L
Hardness	<i>500</i>	450 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>	54 Deg
Total Dissolved Solids		430 Mg / L

Respectfully: ERIC CARTER

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 it