

WPX Energy Rocky Mountain LLC - EBUS

RU 533-7

Nabors 576

Post Job Summary

Cement Production Casing

Date Prepared: 4/30/2015
Job Date: 4/23/2015

Submitted by: Patrick Ealey – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3599895	Quote #:	Sales Order #: 0902330959
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: RICK OAKS		
Well Name: YOUNBERG RU	Well #: 533-7	API/UWI #: 05-045-22519-00	
Field: RULISON	City (SAP): RIFLE	County/Parish: GARFIELD	State: COLORADO
Legal Description: SE SE-7-7S-93W-1132FSL-1193FEL			
Contractor: NABORS DRLG	Rig/Platform Name/Num: NABORS 576		
Job BOM: 7523			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180	Srvc Supervisor: Eric Carter		

Job

Formation Name	
Formation Depth (MD)	Top 1352 FT. Bottom 10116 FT.
Form Type	BHST
Job depth MD	10106ft
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	1352		0
Casing	3	4.5	4	11.6			0	10106	0	0
Open Hole Section			8.75				1352	10116	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	8.4			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	ECONOCEM (TM) SYSTEM	275	sack	12.7	1.66	8.535	8	
8.53 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	ThermaCem GJ2	THERMACEM (TM) SYSTEM	790	sack	13.5	1.75	7.63	8	
8 lbm		KOL-SEAL, BULK (100064233)							
7.63 Gal		FRESH WATER							
0.30 %		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/min	Total Mix Fluid Gal
4	Fresh Water Displacement	Fresh Water Displacement	156.6	bbl	8.4			10	
Cement Left In Pipe		Amount	28 ft		Reason		Shoe Joint		
Comment									

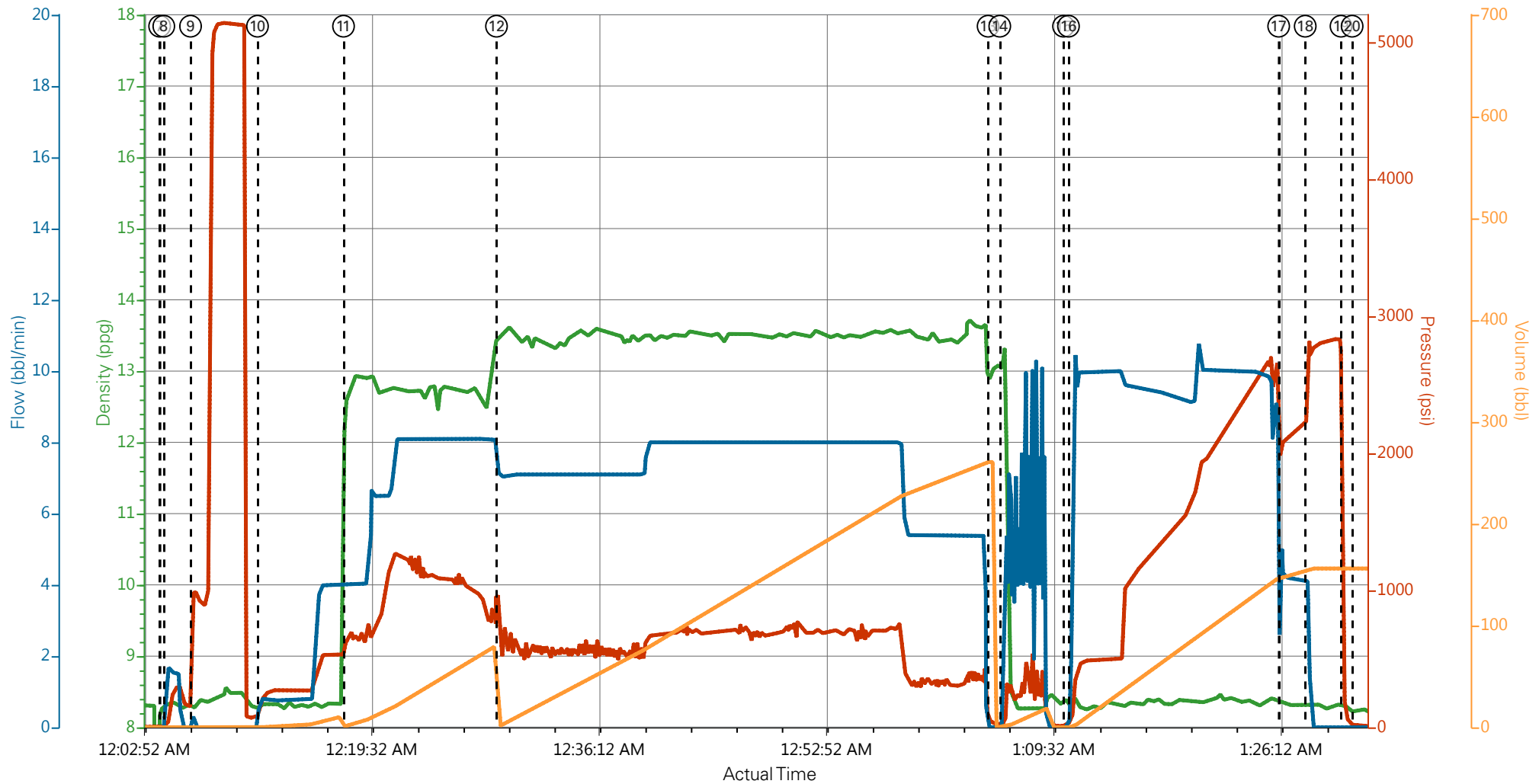
1.0 Real-Time Job Summary

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)	Comments
Event	1	Arrive at Location from Other Job or Site	4/22/2015	19:00:00	USER					RIG RUNNING CASING
Event	2	Assessment Of Location Safety Meeting	4/22/2015	21:40	USER					ATTENDED BY ALL HES CREW
Event	3	Other	4/22/2015	22:00	USER					SPOT EQUIPMENT
Event	4	Pre-Rig Up Safety Meeting	4/22/2015	22:10	USER					ATTENDED BY ALL HES CREW
Event	5	Rig-Up Equipment	4/22/2015	22:30	USER					
Event	6	Pre-Job Safety Meeting	4/22/2015	23:30	USER					ATTENDED BY ALL HES CREW, RIG CREW AND COMPANY REP
Event	7	Other	4/23/2015	00:04:13	USER					TD 10116', TP 10106', MW 10.8 PPG, CASING 4.5", 11.6#, P-110, SJ 28.15', HOLE 8.75", SURFACE CASING 9.625", 32.3# SET AT 1352', RIG CIRCULATED FOR 3 HR'S PRIOR TO JOB
Event	8	Other	4/23/2015	00:04:31	USER	8.34	300	2	2	FRESH WATER
Event	9	Test Lines	4/23/2015	00:06:29	USER					PRESSURED UP TO 5150 PSI, PRESSURE HELD
Event	10	Pump Spacer	4/23/2015	00:11:23	USER	8.34	520	0.80	0.2	FRESH WATER
Event	11	Pump Lead Cement	4/23/2015	00:17:41	USER	12.7	1300	8	81.3	275 SKS ECONOCEM MIXED AT 12.7 PPG, 1.66 YIELD, 8.53 GL/SK
Event	12	Pump Tail Cement	4/23/2015	00:28:54	USER	13.5	750	8	246.2	790 SKS THERMACEM MIXED AT 13.5 PPG. 1.75 YIELD, 7.63 GL/SK

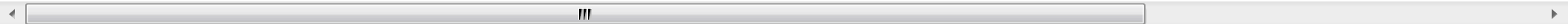
Event	13	Shutdown	4/23/2015	01:04:56	USER					
Event	14	Clean Lines	4/23/2015	01:05:48	USER					CLEANED LINES TO WASH UP TRUCK
Event	15	Drop Top Plug	4/23/2015	01:10:28	USER					PLUG LAUNCHED
Event	16	Pump Displacement	4/23/2015	01:10:50	USER	8.4	2700	10	146.6	FRESH WATER WITH KCL, BE-6 AND MMCR
Event	17	Slow Rate	4/23/2015	01:26:14	USER	8.4	2250	4.30	147.8	
Event	18	Bump Plug	4/23/2015	01:28:11	USER		2840			PLUG LANDED
Event	19	Check Floats	4/23/2015	01:30:48	USER					FLOATS HELD
Event	20	Other	4/23/2015	01:31:37	USER					GOOD CIRCULATION THROUGHOUT JOB, PIPE RECIPROCATED DURING LEAD CEMENT, 0 BBLs CEMENT TO SURFACE
Event	21	Post-Job Safety Meeting (Pre Rig- Down)	4/23/2015	01:40	USER					ATTENDED BY ALL HES CREW
Event	22	Rig-Down Equipment	4/23/2015	01:50	USER					
Event	23	Depart Location Safety Meeting	4/23/2015	02:20	USER					ATTENDED BY ALL HES CREW
Event	24	Crew Leave Location	4/23/2015	02:30	USER					THANK YOU FOR USING HALLIBURTON CEMENT, ERIC CARTER AND CREW.

WPX - YOUNBERG RU 533-7 - PRODUCTION



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

① Arrive at Location from Other Job or Site n/a;n/a;n/a;n/a	⑤ Rig-Up Equipment n/a;n/a;n/a;n/a	⑨ Test Lines 8.26;1005;0;1.5	⑬ Shutdown 12.92;31;0;260.7	⑰ Slow Rate 8.36;2093
② Assessment Of Location Safety Meeting n/a;n/a;n/a;n/a	⑥ Pre-Job Safety Meeting n/a;n/a;n/a;n/a	⑩ Pump Spacer 8.39;178;0.8;0.2	⑭ Clean Lines 13.32;30;1.8;0.1	⑱ Bump Plug 8.27;283
③ Other n/a;n/a;n/a;n/a	⑦ Start Job 8.31;2;0;0	⑪ Pump Lead Cement 12.64;643;4;1.8	⑮ Drop Top Plug 8.38;21;0;0	⑲ Check Floats 8.32;17
④ Pre-Rig Up Safety Meeting n/a;n/a;n/a;n/a	⑧ Fill Lines 8.25;23;1.4;0	⑫ Pump Tail Cement 13.5;571;7;1.6	⑯ Pump Displacement 8.25;85;3.7;0.4	⑳ End Job 8.23;13;0;15



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Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 4/22/2015 11:42:27 PM

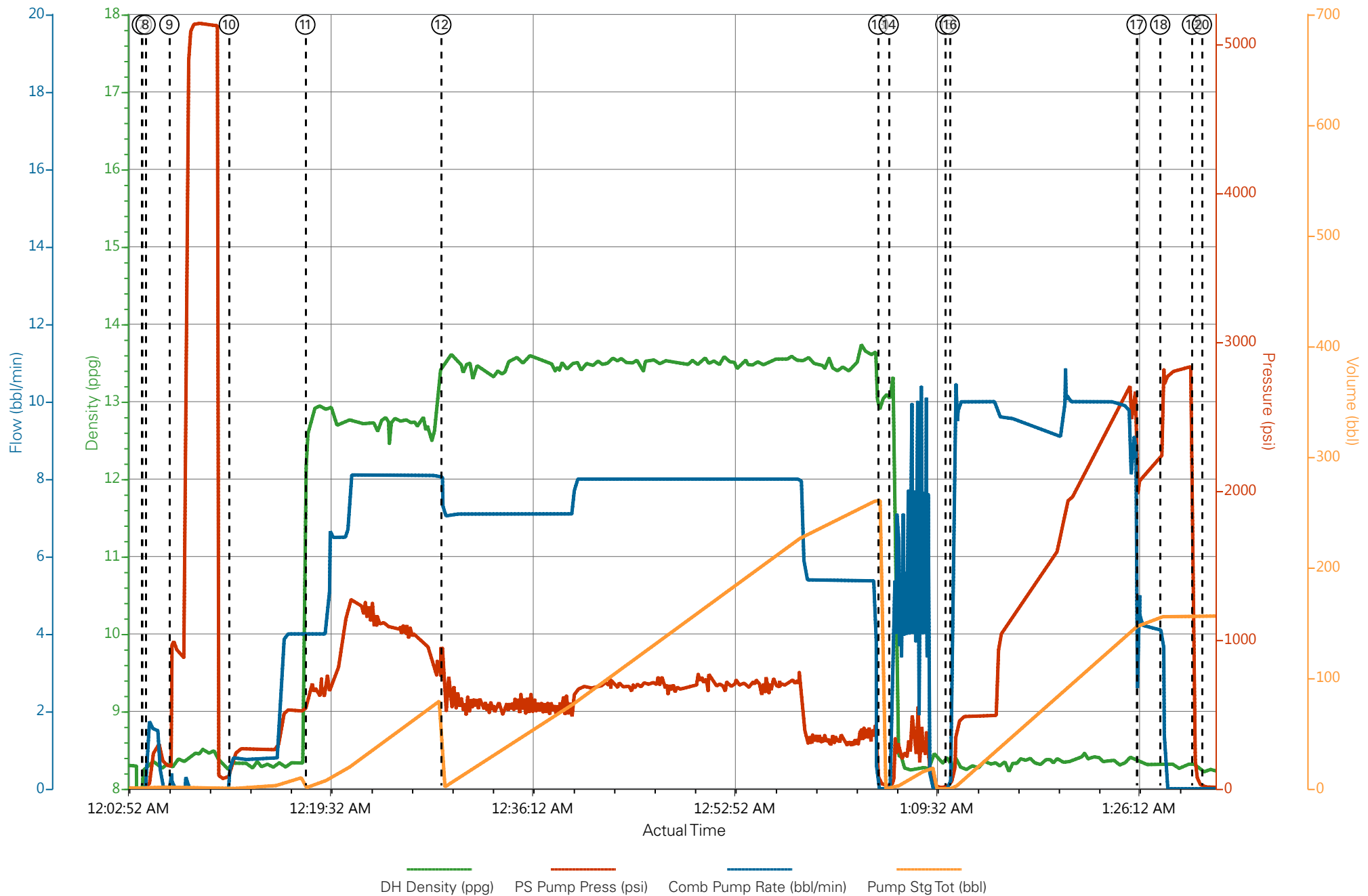
Well: YOUNGURG RU 533-7

Representative: RICK OAKS

Sales Order #: 902330959

ERIC CARTER: TAYLOR MORELAND/ELITE 3

WPX - YOUBERG RU 533-7 - PRODUCTION



HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: ERIC CARTER
Attention: J.Trout
Lease: NABORS 576
Well #: YOUBERG RU 533-7

Date: 4/30/2015
Date Rec.: 4/30/2015
S.O.#: 902330959
Job Type: PRODUCTION

Specific Gravity	<i>MAX</i>	<i>1</i>
pH	<i>8</i>	<i>7</i>
Potassium (K)	<i>5000</i>	<i>1000</i> Mg / L
Hardness	<i>500</i>	<i>120</i> Mg / L
Iron (FE2)	<i>300</i>	<i>0</i> Mg / L
Chlorides (Cl)	<i>3000</i>	<i>0</i> Mg / L
Sulfates (SO ₄)	<i>1500</i>	<i><200</i> Mg / L
Temp	<i>40-80</i>	<i>46</i> Deg
Total Dissolved Solids		<i>390</i> 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 its

Sales Order #: 0902330959	Line Item: 10	Survey Conducted Date: 4/23/2015
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT PRODUCTION CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-22519-00
Well Name: YOUBERG RU		Well Number: 0080688973
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	4/23/2015
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HX15491
Customer Participation	Did the customer participate in this survey? (Y/N)	No
Customer Representative	Enter the Customer representative name	
HSE	Was our HSE performance satisfactory? Circle Y or N	
Equipment	Were you satisfied with our Equipment? Circle Y or N	
Personnel	Were you satisfied with our people? Circle Y or N	
Customer Comment	Customer's Comment	

CUSTOMER SIGNATURE

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KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	4/23/2015
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 RU		Well Number: 0080688973
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	98
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