

WPX Energy Rocky Mountain LLC- EBUS

RU 42-7

Nabors 574

Post Job Summary

Cement Surface Casing

Date Prepared: 11/01/14
Job Date: 10/22/14

Submitted by: Evan Russell – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3356178	Quote #:	Sales Order #: 0901763299
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: RICK OAKS	
Well Name: YOUNBERG		Well #: RU 42-7	API/UWI #: 05-045-22347-00
Field: RULISON	City (SAP): RIFLE	County/Parish: GARFIELD	State: COLORADO
Legal Description: SE NE-7-7S-93W-2479FNL-383FEL			
Contractor:		Rig/Platform Name/Num: Nabors 574	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HX23209		Srvc Supervisor: Eric Carter	
Job			

Formation Name			
Formation Depth (MD)	Top	0 FT.	Bottom 1176 FT.
Form Type			BHST
Job depth MD	1176 ft		Job Depth TVD
Water Depth			Wk Ht Above Floor 5 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
Open Hole Section			13.5				0	1176		0

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe						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	Fresh Water	20	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	VariCem GJ1	VARICEM (TM) CEMENT	125	sack	12.3	2.38	13.77	8		
13.70 Gal			FRESH WATER							

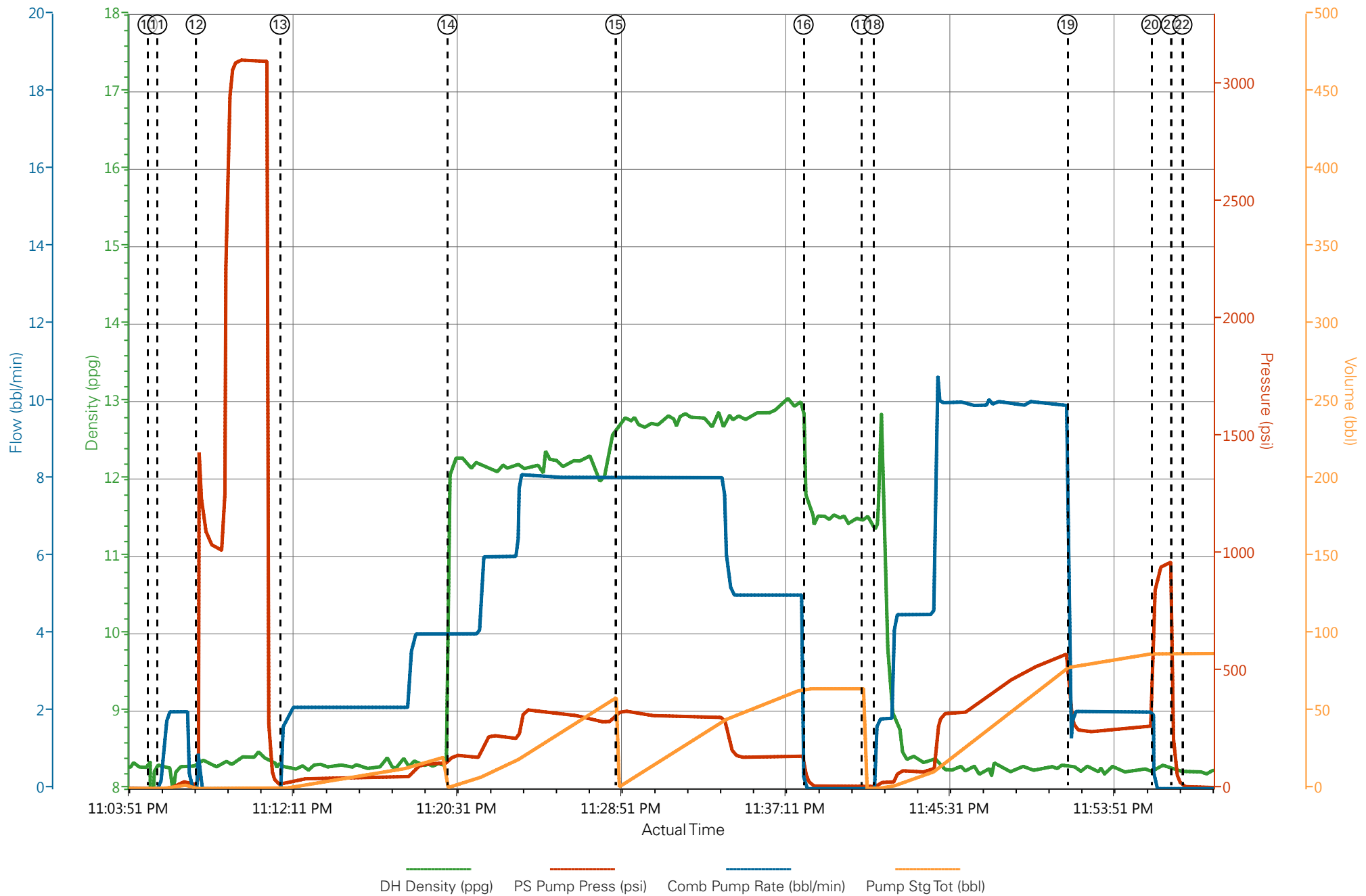
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	VariCem GJ1	VARICEM (TM) CEMENT	175	sack	12.8	2.11	11.77	8	
11.71 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
4	Fresh Water Displacement	Fresh Water Displacement	89.3	bbl	8.34			10	
Cement Left In Pipe		Amount	44.35 ft		Reason		Shoe Joint		
Comment									

3.5 Job Event Log

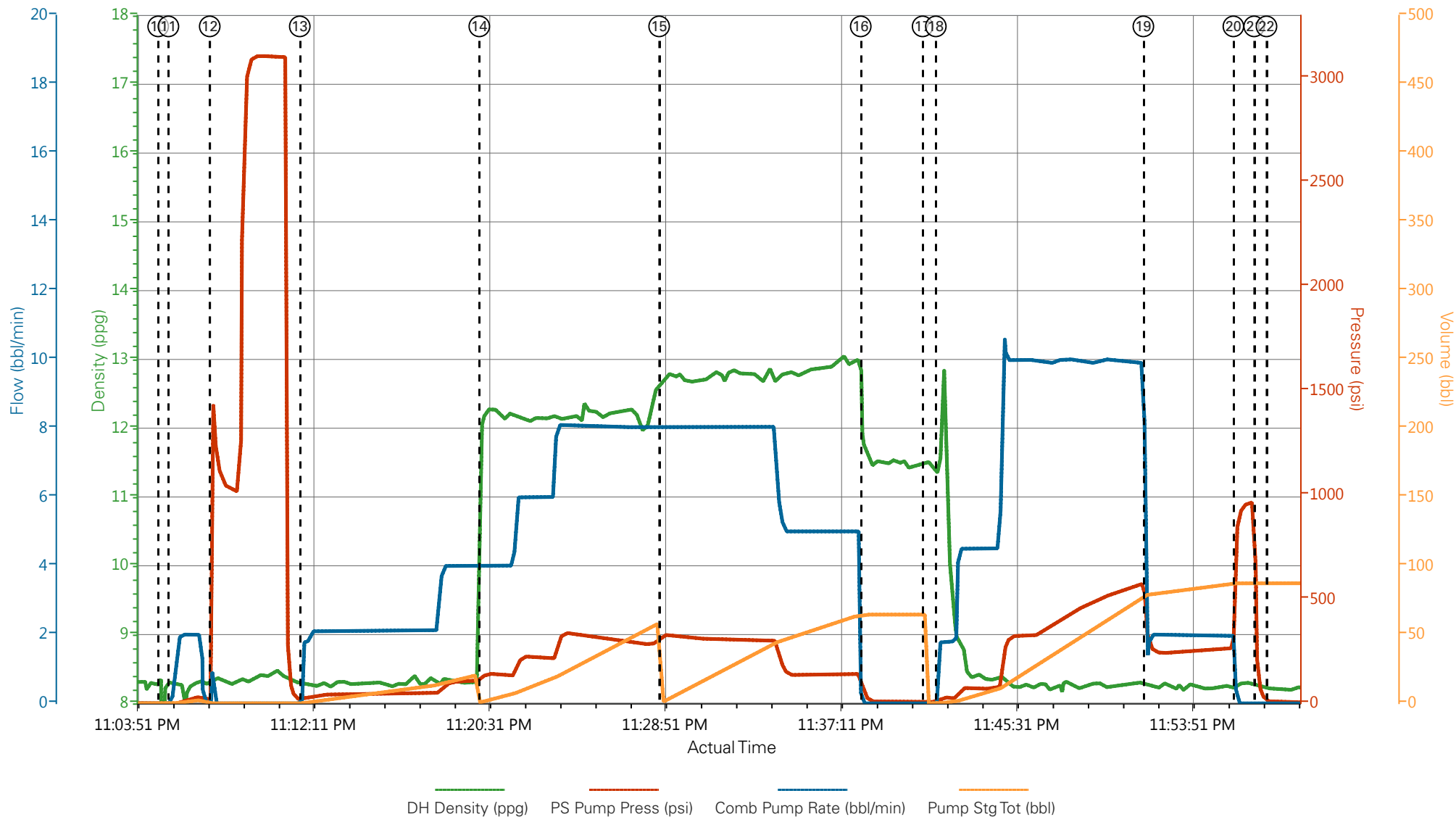
Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density (ppg)	PS Pump Press (psi)	Comb Pump Rate (bbl/min)	Pump Stg Tot (bbl)	Comment
Event	1	Call Out	Call Out	10/22/2014	12:30:00	USER					
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	10/22/2014	16:50:00	USER					ATTENDED BY ALL HES CREW
Event	3	Crew Leave Yard	Crew Leave Yard	10/22/2014	17:00:00	USER					
Event	4	Arrive At Loc	Arrive At Loc	10/22/2014	18:30:00	USER					RIG RUNNING CASING
Event	5	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	10/22/2014	21:30	USER					ATTENDED BY ALL HES CREW
Event	6	Other	Other	10/22/2014	21:40	USER					SPOT EQUIPMENT
Event	7	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	10/22/2014	21:50	USER					ATTENDED BY ALL HES CREW
Event	8	Rig-Up Equipment	Rig-Up Equipment	10/22/2014	22:00	USER					
Event	9	Pre-Job Safety Meeting	Pre-Job Safety Meeting	10/22/2014	22:40	USER					ATTENDED BY ALL HES CREW, RIG CREW AND COMPANY REP
Event	10	Other	Start Job	10/22/2014	23:04:59	USER					TP 1176', TD 1176', MW 10.3 PPG, CASING 9.625", 32.3#, J-55, SJ 44.35', LJ 29', HOLE 13.5 PPG, RIG CIRCULATED FOR 1 HR PRIOR TO JOB
Event	11	Other	Fill Lines	10/22/2014	23:05:28	USER	8.34	40	2	2	FRESH WATER
Event	12	Test Lines	Test Lines	10/22/2014	23:07:25	USER					PRESSURED UP TO 3110 PSI, PRESSURE HELD
Event	13	Pump Spacer	Pump Spacer	10/22/2014	23:11:41	USER	8.34	110	4	20	FRESH WATER
Event	14	Pump Lead Cement	Pump Lead Cement	10/22/2014	23:20:12	USER	12.3	350	8	53	125 SKS VARICEM MIXED AT 12.3 PPG, 2.38 YIELD, 13.77 GL/SK
Event	15	Pump Tail Cement	Pump Tail Cement	10/22/2014	23:28:43	USER	12.8	320	8	65.8	175 SKS VARICEM MIXED AT 12.8 PPG, 2.11 YIELD, 11.75 GL/SK

Event	16	Shutdown	Shutdown	10/22/2014	23:38:16	USER					
Event	17	Drop Top Plug	Drop Top Plug	10/22/2014	23:41:12	USER					PLUG LAUNCHED
Event	18	Pump Displacement	Pump Displacement	10/22/2014	23:41:50	USER	8.34	590	10	79.3	FRESH WATER
Event	19	Slow Rate	Slow Rate	10/22/2014	23:51:39	USER	8.34	260	2	10	
Event	20	Bump Plug	Bump Plug	10/22/2014	23:55:55	USER		970			PLUG LANDED
Event	21	Check Floats	Check Floats	10/22/2014	23:56:54	USER					FLOATS HELD
Event	22	Other	End Job	10/22/2014	23:57:29	USER					GOOD CIRCULATION THROUGHOUT JOB, PIPE NOT MOVED DURING JOB, 20 BBLs CEMENT TO SURFACE
Event	23	Post-Job Safety Meeting (Pre Rig-Down)	Post-Job Safety Meeting (Pre Rig-Down)	10/23/2014	00:00	USER					ATTENDED BY ALL HES CREW
Event	24	Rig-Down Equipment	Rig-Down Equipment	10/23/2014	00:05	USER					
Event	25	Depart Location Safety Meeting	Depart Location Safety Meeting	10/23/2014	00:50	USER					ATTENDED BY ALL HES CREW
Event	26	Crew Leave Location	Crew Leave Location	10/23/2014	01:00	USER					THANK YOU FOR USING HALLIBURTON CEMENT, ERIC CARTER AND CREW.

WPX - YOUNBERG RU 42-7 - SURFACE



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- | | | | | |
|--|---|--|------------------------------------|------------------|
| 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 n/a;n/a;n/a;n/a | ⑬ Pump Spacer 8.29;15;1.6;0.1 | ⑰ Drop Top Plug |
| 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 1.05;1;0;0 | ⑭ Pump Lead Cement 12.09;127;4;1.2 | ⑱ Pump Displace |
| 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 8.31;-1;0;0 | ⑮ Pump Tail Cement 12.69;325;8;1 | ⑲ Slow Rate 8.3; |
| 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 8.34;1438;0;0.1 | ⑯ Shutdown 11.73;48;0;64.5 | 20 Bump Plug 8.2 |

III

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Created: 2014-10-22 22:09:21, Version: 3.0.121

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 10/22/2014 10:17:54 PM

Well: YOUNBERG RU 42-7

Representative: RICK OAKS

Sales Order #: 901763299

ERIC CARTER: STEVEN WARDWELL/ELITE 9

JOB PROCEDURE

NABORS 574

Pre-Planned Job Procedure Single Stage

EVENT #	EVENT	VOLUME	SACKS	WEIGHT	YIELD	GAL/ SK
1	Start Job					
6	Test Lines	3000.0				
9	WATER SPACER	20.0				
13	Lead Cement	53.0	125	12.3	2.38	13.75
15	Tail Cement	65.8	175	12.8	2.11	11.75
	SHUTDOWN					
22	DROP PLUG					
23	Displacement	89.3		Mud Wt.	10.3	
1085	Slow Rate	79.3		Casing	9.625	32.3
26	Land Plug	260		Open Hole	13.5	
	Release Psi / Job Over	760				
	Check Floats					
2	END JOB					
				Disp Fluid	8.4	
			Do Not Overdisplace			
DISPLACEMENT	TOTAL PIPE	SHOE JOINT LENGTH	ANN FACTOR	BBL/FT	H2O REQ.	
89.26	1176	44.35	0.0870	0.0787	199.1	
PSI to Lift Pipe	440.9	*****Use Mud Scales on Each Tier*****				
Total Displacement	89.26					
CALCULATED DIFFERENTIAL PSI	260	TOTAL FLUID PUMPED	228.0			
Collapse	2270	Burst	3520	S.O.#	901763299	
HOT	715.8	TOT	462.8	Company Rep: RICK OAKS		
Bbls to Pit	15.3					

HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: ERIC CARTER

Attention: J.Trout

Lease: NABORS 574

Well #: YOUBERG 42-7

Date: 11/1/2014

Date Rec.: 11/1/2014

S.O.#: 901763299

Job Type: SURFACE

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>250</i> Mg / L
Iron (FE2)	<i>300</i>	<i>10</i> Mg / L
Chlorides (Cl)	<i>3000</i>	<i>500</i> Mg / L
Sulfates (SO ₄)	<i>1500</i>	<i><200</i> Mg / L
Temp	<i>40-80</i>	<i>60</i> Deg
Total Dissolved Solids		<i>OR</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.

Sales Order #: 0901763299	Line Item: 10	Survey Conducted Date: 10/23/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: RICK OAKS		API / UWI: (leave blank if unknown) 05-045-22347-00
Well Name: YOUBERG		Well Number: 0080456562
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	10/23/2014
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	RICK 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	10/23/2014

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.	3
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.	1
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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Customer Representative: RICK OAKS		API / UWI: (leave blank if unknown) 05-045-22347-00
Well Name: YOUBERG		Well Number: 0080456562
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.	
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, 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)	Y
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