

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

PA 341-27

Nabors 576

Post Job Summary

Cement Surface Casing

Date Prepared: 12/08/2014
Job Date: 11/29/2014

Submitted by: Aaron Katz – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3207559	Quote #:	Sales Order #: 0901876175
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep:	
Well Name: FEDERAL		Well #: PA 341-27	API/UWI #: 05-045-22238-00
Field: PARACHUTE	City (SAP): RIFLE	County/Parish: GARFIELD	State: COLORADO
Legal Description: 27-6S-95W-2352FNL-647FEL			
Contractor:		Rig/Platform Name/Num: Nabors 576	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180		Srvc Supervisor: Andrew Brennecke	

Job

Formation Name	
Formation Depth (MD)	Top
Form Type	BHST
Job depth MD	2935ft
Water Depth	Wk Ht Above Floor 3
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	30	0	0
Casing		9.625	9.001	32.3		H-40	0	2935		0
Open Hole Section			13.5				0	2935		0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625	1		2935	Top Plug	9.625	1	HES
Float Shoe					Bottom Plug			
Float Collar	9.625	1		2890.97	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	

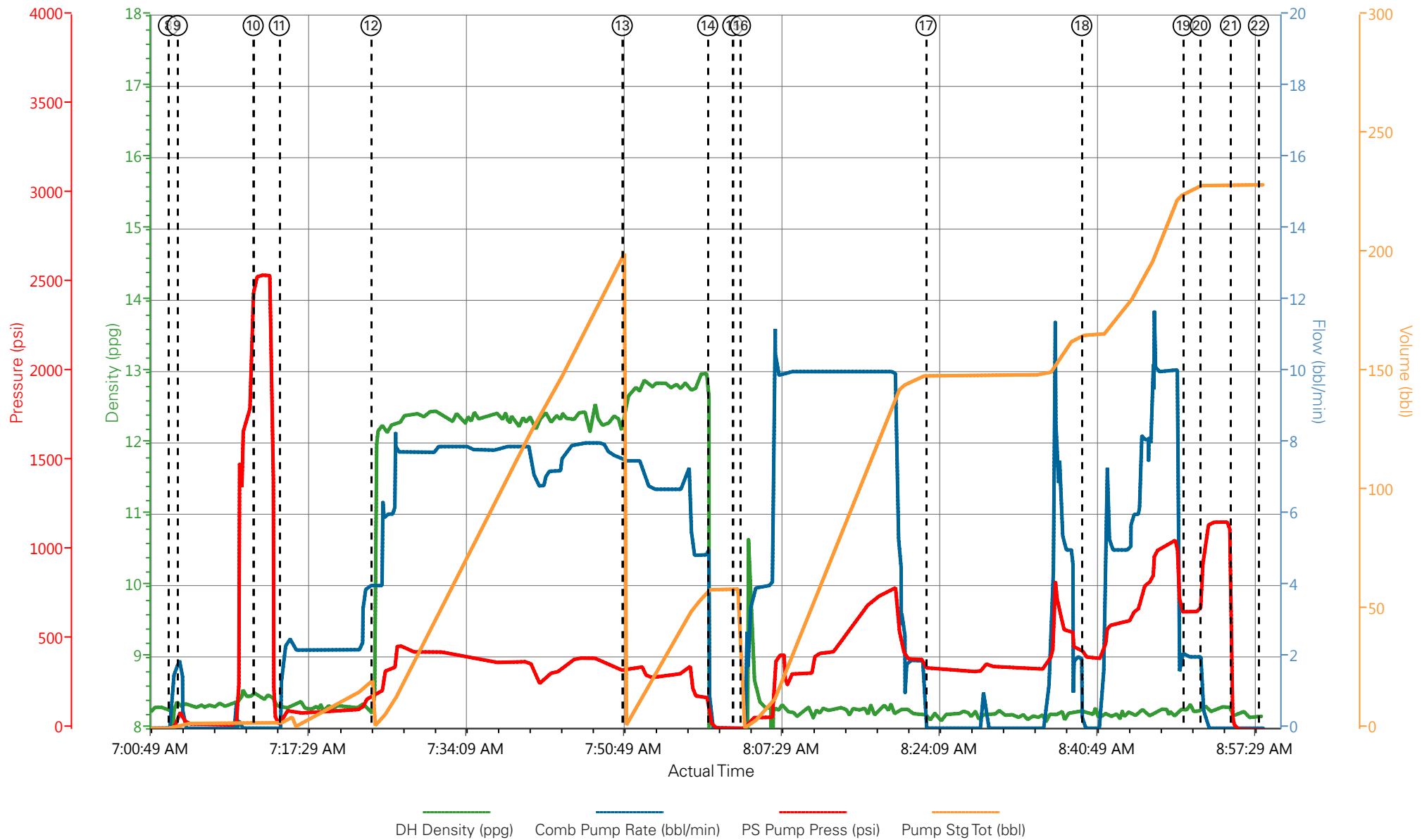
2	VariCem GJ1	VARICEM (TM) CEMENT	450	sack	12.3	2.38		8	13.77
13.70 Gal		FRESH WATER							
0.25 lbm		POLY-E-FLAKE (101216940)							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	VariCem GJ1	VARICEM (TM) CEMENT	155	sack	12.8	2.11		7	11.77
0.25 lbm		POLY-E-FLAKE (101216940)							
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	227.5	bbl	8.34			10	
Cement Left In Pipe		Amount	44 ft		Reason		Shoe Joint		
Comment									

1.1 Job Event Log

Type	Seq No.	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comment
Event	1	Call Out	11/28/2014	18:30:00	USER					
Event	2	Pre-Convoy Safety Meeting	11/28/2014	21:30:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	11/28/2014	22:00:00	USER					
Event	4	Arrive At Loc	11/28/2014	23:00:00	USER					RIG RUNNING CASING, BLEW LEAD CEMENT INTO SILO
Event	5	Pre-Rig Up Safety Meeting	11/29/2014	04:00:00	USER					
Event	6	Rig-Up Completed	11/29/2014	06:30:33	USER					1-ELITE, 1-660 BULK TRAILER, 1700-SILO, 9.625"QUICK LATCH PLUG CONTAINER, 2"IRON
Event	7	Pre-Job Safety Meeting	11/29/2014	06:45:00	USER					ALL HES AND RIG CREW PRESENT
Event	8	Start Job	11/29/2014	07:02:40	USER	8.34	0.00	4.00	0.0	TD-2960', TP-2935', SJ-44.03, CSG-9.625", 32.3#, OH-13.5", MUD-10.9 PPG
Event	9	Prime Pumps	11/29/2014	07:03:04	COM5	8.33	2.00	131.00	2.0	
Event	10	Test Lines	11/29/2014	07:12:01	COM5	8.40	0.30	2532.00	2.1	ALL PRESSURE HELD ON LINES
Event	11	Pump Spacer 1	11/29/2014	07:14:46	COM5	8.32	4.00	166.00	20.0	FRESH WATER
Event	12	Pump Lead Cement	11/29/2014	07:24:27	COM5	12.33	8.00	383.00	190.7	450SKS, 12.3PPG, 2.38CF/SK, 13.77GAL SK
Event	13	Pump Tail Cement	11/29/2014	07:51:00	COM5	12.81	7.00	335.00	58.2	155SKS, 12.8PPG, 2.11CF/SK, 11.77GAL/SK
Event	14	Shutdown	11/29/2014	08:00:01	USER					
Event	15	Drop Plug	11/29/2014	08:02:40	USER					PLUG DROP VERIFIED BY TATTLE TALE, CLEANED PUMPS AND LINES ON TOP OF PLUG
Event	16	Pump Displacement	11/29/2014	08:03:29	COM5	8.39	10.00	1052.00	217.5	FRESH WATER
Event	17	Shutdown	11/29/2014	08:23:05	USER	8.38	0.00	329.00	148.3	SHUTDOWN FOR DREDGE PUMPS TO KEEP UP
Event	18	Shutdown	11/29/2014	08:39:32	USER	8.39	0.00	402.00	165.3	SHUT DOWN FOR DREDGE PUMPS TO KEEP UP
Event	19	Slow Rate	11/29/2014	08:50:14	USER	8.33	2.00	654.00	10.0	SLOW RATE FOR LAST 10 BBLS

Event	20	Bump Plug	11/29/2014	08:52:03	COM5	8.33	0.50	670.00	227.5	PLUG BUMPED
Event	21	Check Floats	11/29/2014	08:55:15	USER	8.33	0.00	1156.00	227.5	FLOATS HELD, 60 BBLS CEMENT TO SURFACE
Event	22	End Job	11/29/2014	08:58:12	USER	8.33	0.00	0.00	227.5	GOOD RETURNS THROUGH OUT JOB, 1 BBL FLOW BACK TO DISPLACEMENT TANKS
Event	23	Crew Leave Location	11/29/2014	10:30:00	USER					THANK YOU FOR CHOOSING HALLIBURTON, ANDREW BRENNECKE AND CREW

WPX - PA 341-27 - 9.625" SURFACE



① Call Out n/a;n/a;n/a;n/a ③ Crew Leave Yard n/a;n/a;n/a;n/a ⑤ Pre-Rig Up Safety Meeting n/a;n/a;n/a;n/a ⑦ Pre-Job Safety Meeting 0.56;0.1;-27;0 ⑨ Start Job 8.3;1.9;84;1.7 ⑪ Pu
 ② Pre-Convoy Safety Meeting n/a;n/a;n/a;n/a ④ Arrive At Loc n/a;n/a;n/a;n/a ⑥ Rig-Up Completed -35.2;0;-29;0 ⑧ Prime Pumps 8.24;1.4;-2;0.1 ⑩ Test Lines 8.52;0;2533;2.1 ⑫ Pu

◀ III ▶

▼ **HALLIBURTON** | iCem® Service

Created: 2014-11-29 00:28:23, Version: 3.0.148

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 11/29/2014 6:21:51 AM

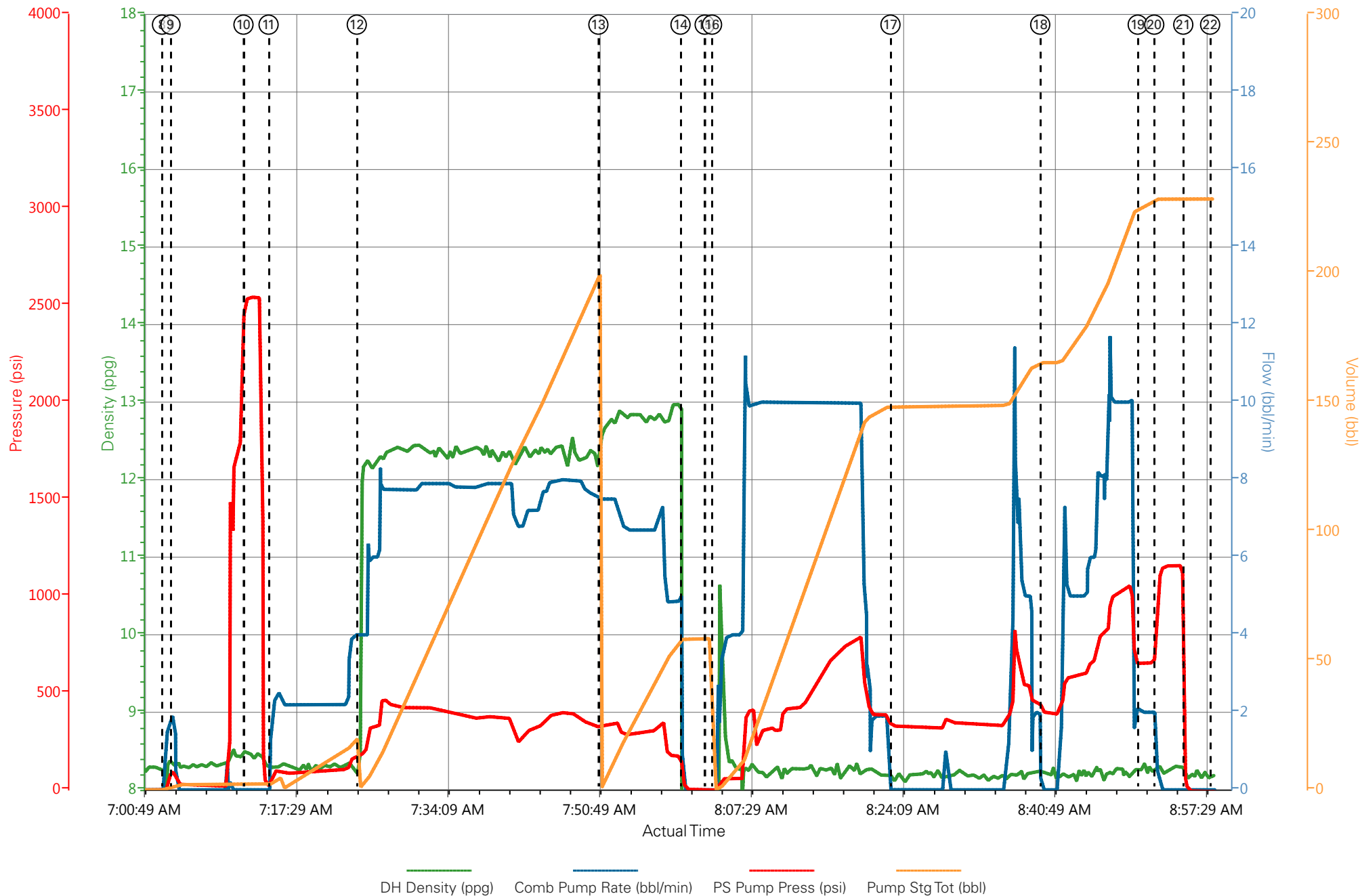
Well: PA 341-27

Representative: AL HARTLE

Sales Order #: 901876175

ELITE#6: A.BRENNECKE/B.BANKS

WPX - PA 341-27 - 9.625" SURFACE



HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: A.BRENNECKE

Attention: E.RUSSEL

Lease PA

Well # 341-27

Date: 11/29/2014

Date Rec.: 11/29/2014

S.O.# 901876175

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>	68 Deg
Total Dissolved Solids		560 Mg / L

Respectfully: A.BRENNECKE

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

Sales Order #: 0901876175	Line Item: 10	Survey Conducted Date: 11/29/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL HARTLE		API / UWI: (leave blank if unknown) 05-045-22238-00
Well Name: FEDERAL		Well Number: 0080244817
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	11/29/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HB58348
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	AL HARTLE
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	11/29/2014

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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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, was Halliburton float equipment used? (Yes/No/N/A) If applicable, was Halliburton float equipment used? (Yes/No/N/A)	NA
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	8
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