

WPX Energy Rocky Mountain LLC- EBUS

GM 313-21

Cyclone 17

Post Job Summary

Cement Surface Casing

Date Prepared: 02/05/2015
Job Date: 01/22/2015

Submitted by: Evan Russell – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 3205608		Quote #:		Sales Order #: 0902061276	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep:			
Well Name: PUCKETT			Well #: GM 313-21			API/UWI #: 05-045-22194-00	
Field: GRAND VALLEY		City (SAP): PARACHUTE		County/Parish: GARFIELD		State: COLORADO	
Legal Description: 28-6S-96W-1283FNL-1060FWL							
Contractor: CYCLONE				Rig/Platform Name/Num: CYCLONE 17			
Job BOM: 7521							
Well Type: DIRECTIONAL GAS							
Sales Person: HALAMERICA\HB50180				Srv Supervisor: Andrew Brennecke			

Job

Formation Name	
Formation Depth (MD)	Top
Form Type	BHST
Job depth MD	1377ft
Water Depth	Wk Ht Above Floor 4
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
Open Hole Section			13.5				0	1380		0
Casing	3	9.625	8.921	32.3	8 RD		0	1377	0	0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625	1		1377	Top Plug	9.625	1	HES
Float Shoe					Bottom Plug			
Float Collar	9.625	1		1330	SSR plug set			
Insert Float					Plug Container	9.625	1	HES
Stage Tool					Centralizers	9.625		

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 GJ5	VARICEM (TM) CEMENT	190	sack	12.3	2.45		8	14.17	

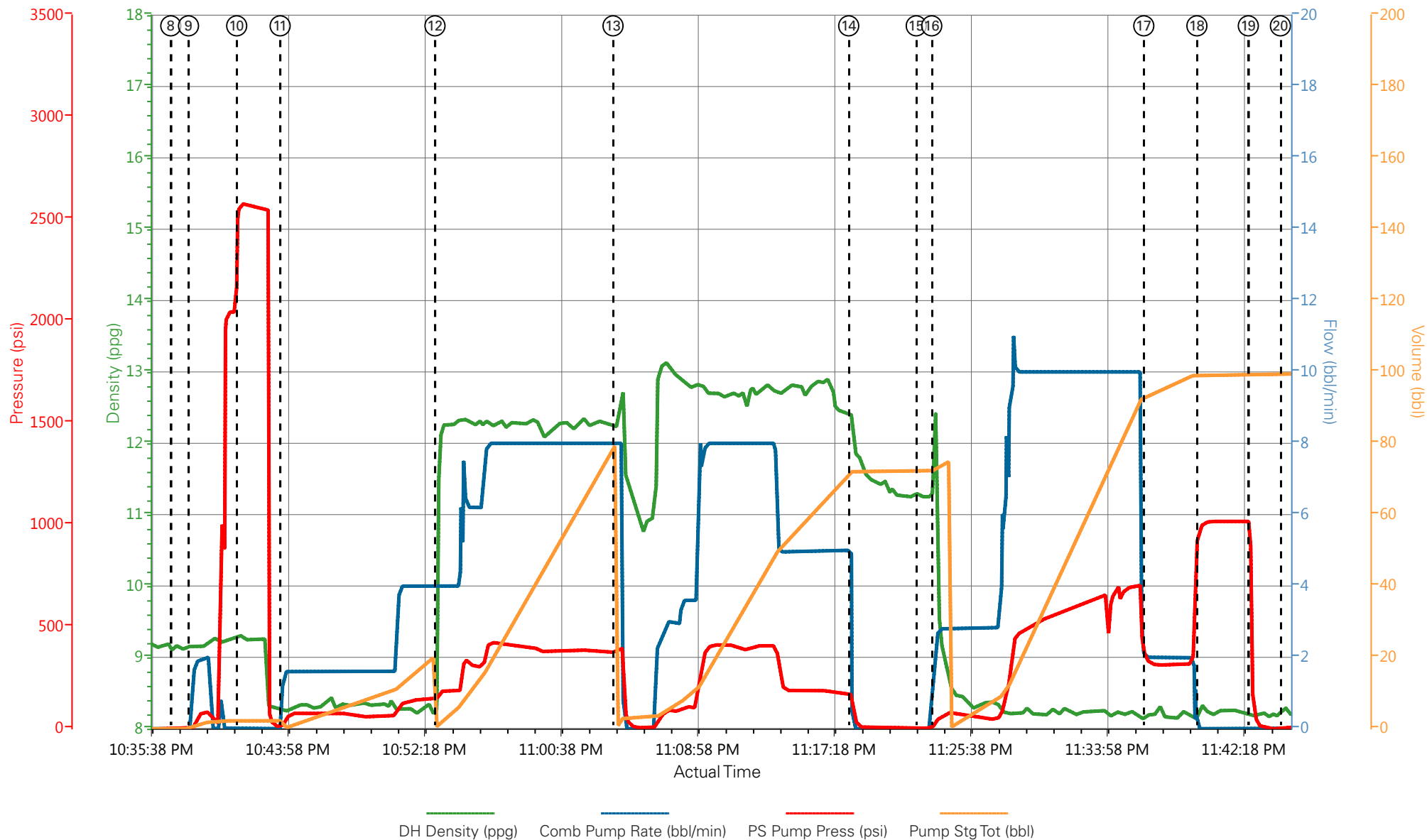
14.17 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	VariCem GJ5	VARICEM (TM) CEMENT	170	sack	12.8	2.18		8	12.11
12.11 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
4	Fresh Water Displacement	Fresh Water Displacement	104.7	bbl	8.34			10	
Cement Left In Pipe		Amount	47 ft		Reason		Shoe Joint		
Comment									

1.1 Job Event Log

Type	Seq. No.	Activity	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comment
Event	1	Call Out	1/22/2015	13:30:00	USER					
Event	2	Pre-Convoy Safety Meeting	1/22/2015	16:15:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	1/22/2015	16:30:00	USER					
Event	4	Arrive At Loc	1/22/2015	17:30:00	USER					RIG HAD NOT STARTED CASING
Event	5	Pre-Rig Up Safety Meeting	1/22/2015	20:45:00	USER					ALL HES PRESENT
Event	6	Rig-Up Completed	1/22/2015	21:30:58	USER					1-ELITE, 2-660 BULK TRAILERS, 1-9.625" QUICK LATCH PLUG CONTAINER, 2" PUMP IRON, 4" SUCTION HOSE
Event	7	Pre-Job Safety Meeting	1/22/2015	22:00:09	USER					ALL HES AND RIG CREW PRESENT
Event	8	Start Job	1/22/2015	22:37:00	COM5	8.34	0.00	0.00	0.0	TD-1380', TP-1377.3', SJ-46.54', CSG-9.625" 32.3#, OH-13.5", MUD-10.2PPG, VISC 55
Event	9	Prime Pumps	1/22/2015	22:38:04	COM5	8.35	2.00	86.00	2.0	FRESH WATER
Event	10	Test Lines	1/22/2015	22:41:01	COM5	8.36	0.30	2564.00	2.2	ALL PRESSURE HELD ON LINES
Event	11	Pump Spacer 1	1/22/2015	22:43:40	COM5	8.33	4.00	147.00	20.0	FRESH WATER
Event	12	Pump Lead Cement	1/22/2015	22:53:07	COM5	12.30	8.00	420.00	82.9	190SKS, 12.3PPG, 2.45CF/SK, 14.17GAL/SK
Event	13	Pump Tail Cement	1/22/2015	23:03:59	COM5	12.80	8.00	422.00	66.0	170SKS, 12.8 PPG, 2.18CF/SK, 12.11GAL/SK
Event	14	Shutdown	1/22/2015	23:18:22	USER					
Event	15	Drop Plug	1/22/2015	23:22:29	USER					PLUG DROP VERIFIED BY COMPANY REP. WASHED UP ON TOP OF PLUG.
Event	16	Pump Displacement	1/22/2015	23:23:26	USER	8.34	10.00	708.00	95.0	FRESH WATER

Event	17	Slow Rate	1/22/2015	23:36:22	USER	8.35	2.00	337.00	10.0	SLOW RATE FOR LAST 10 BBLS
Event	18	Bump Plug	1/22/2015	23:39:37	COM5	8.34	0.00	326.00	104.7	PLUG BUMPED
Event	19	Check Floats	1/22/2015	23:42:45	USER	8.35	0.00	1018.00	104.7	FLOATS HELD, .5BBL FLOW BACK TO DISPLACEMENT TANK
Event	20	End Job	1/22/2015	23:44:43	COM5	8.33	0.00	1.00	104.7	GOOD RETURNS THROUGH OUT JOB, 30 BBLS CEMENT TO SURFACE. THANK YOU FOR CHOOSING HALLIBURTON.

WPX - GM 313-21 - 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 0.72;0;-49;0.1 ⑨ Prime Pumps 9.17;0.8;2;0.1 ⑪ P
 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 0.7;0;-49;0.1 ⑧ Start Job 9.15;0;0;0 ⑩ Test Lines 9.31;0;2566;2.2 ⑫ P

▼ **HALLIBURTON** | iCem® Service

Created: 2015-01-22 18:16:00, Version: 3.0.148

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 1/22/2015 9:17:39 PM

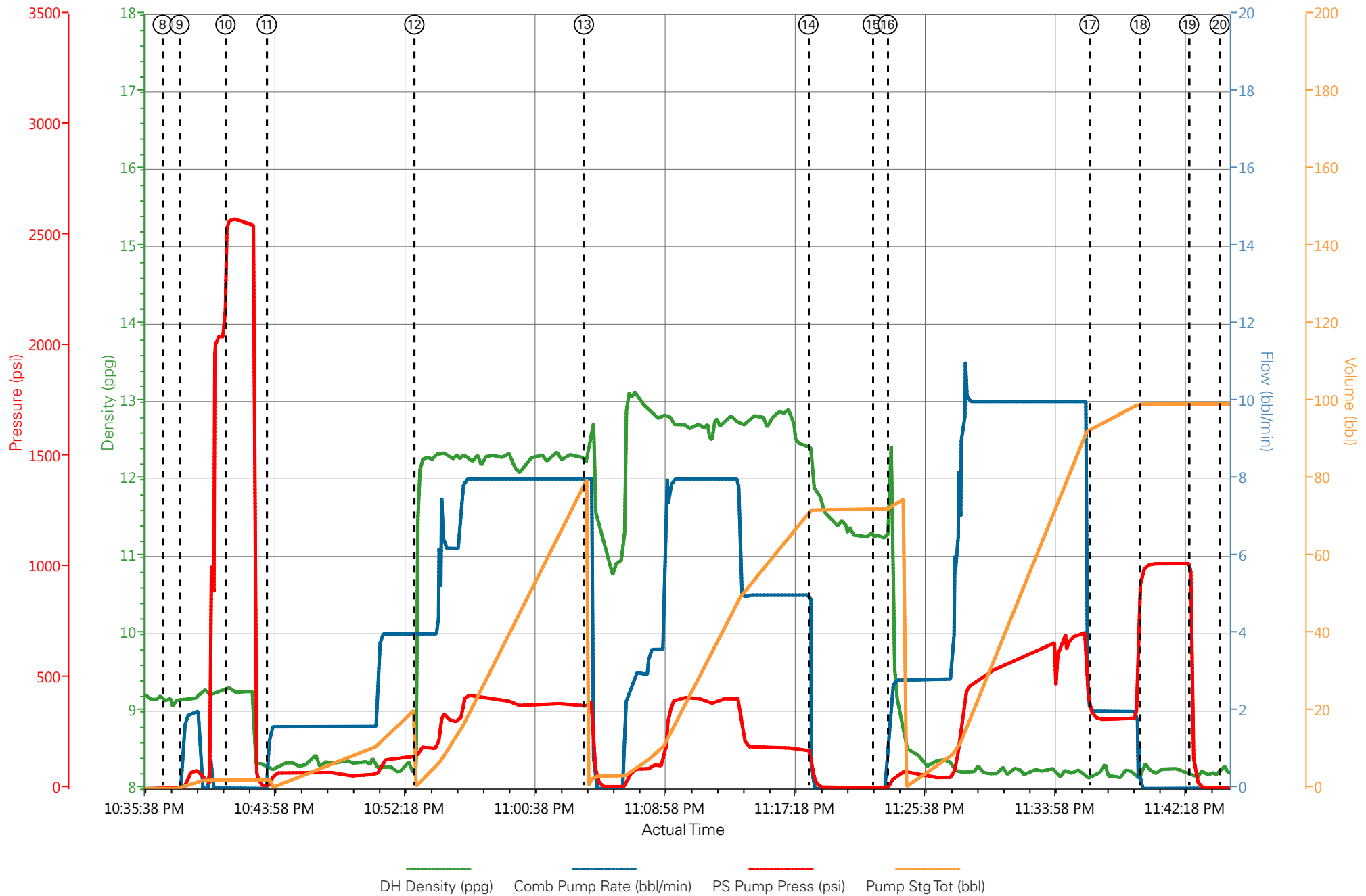
Well: GM 313-21

Representative: AL DUNIHO

Sales Order #: 902061276

ELITE#6: A.BRENNECKE/D.MARTIN

WPX - GM 313-21 - 9.625" SURFACE



HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: A.BRENNECKE

Attention: E.RUSSEL

Lease GM

Well # 313-21

Date: 1/23/2015

Date Rec.: 1/23/2015

S.O.# 902061276

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		600 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.

Sales Order #: 0902061276	Line Item: 10	Survey Conducted Date: 1/23/2015
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) 05-045-22194-00
Well Name: PUCKETT		Well Number: 0080241895
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	1/23/2015
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 DUNIHO
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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H2S Present: No	Well State: COLORADO	Well County: GARFIELD

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	1/23/2015

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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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)	No
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	93
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