

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

GM 311-21

Cyclone 17

Post Job Summary

Cement Surface Casing

Date Prepared: 8/31/2014

Job Date: 8/24/2014

Submitted by: Tony Eschete - Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3464119	Quote #:	Sales Order #: 0901610196
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep:	
Well Name: CHEVRON	Well #: GM 311-21	API/UWI #: 05-045-22353-00	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: GARFIELD	State: COLORADO
Legal Description: SE NE-20-6S-96W-2019FNL-702FEL			
Contractor: CYCLONE		Rig/Platform Name/Num: CYCLONE 17	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180		Srvc Supervisor: Bill Jamison	
Job			

CIRCULATED 35 BBLS OF CEMENT TO SURFACE

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	1041ft Job Depth TVD
Water Depth	Wk Ht Above Floor 5
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	1055		0
Casing		9.625	8.921	32.3			0	1041		0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625	1		1041	Top Plug	9.625	1	HES
Float Shoe					Bottom Plug			
Float Collar	9.625	1		996	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			6	
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	Lead Cement	Type I-II Cement	135	sack	12.3	2.45		8	14.17
0.25 %		D-AIR 5000, 50 LB SACK (102068797)							

94 lbm		TYPE I / II CEMENT, BULK (101439798)							
5.64 lbm		SALT, BULK (100003695)							
0.30 %		VERSASET, 55 LB SK (101376573)							
0.25 lbm		POLY-E-FLAKE (101216940)							
14.10 Gal		FRESH WATER							
4 %		ECONOLITE (100001580)							
4 %		CAL-SEAL 60, BULK (100064022)							
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
12.05 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	78.4	bbl	8.34			10	
Cement Left In Pipe		Amount	45 ft		Reason		Shoe Joint		
Comment									

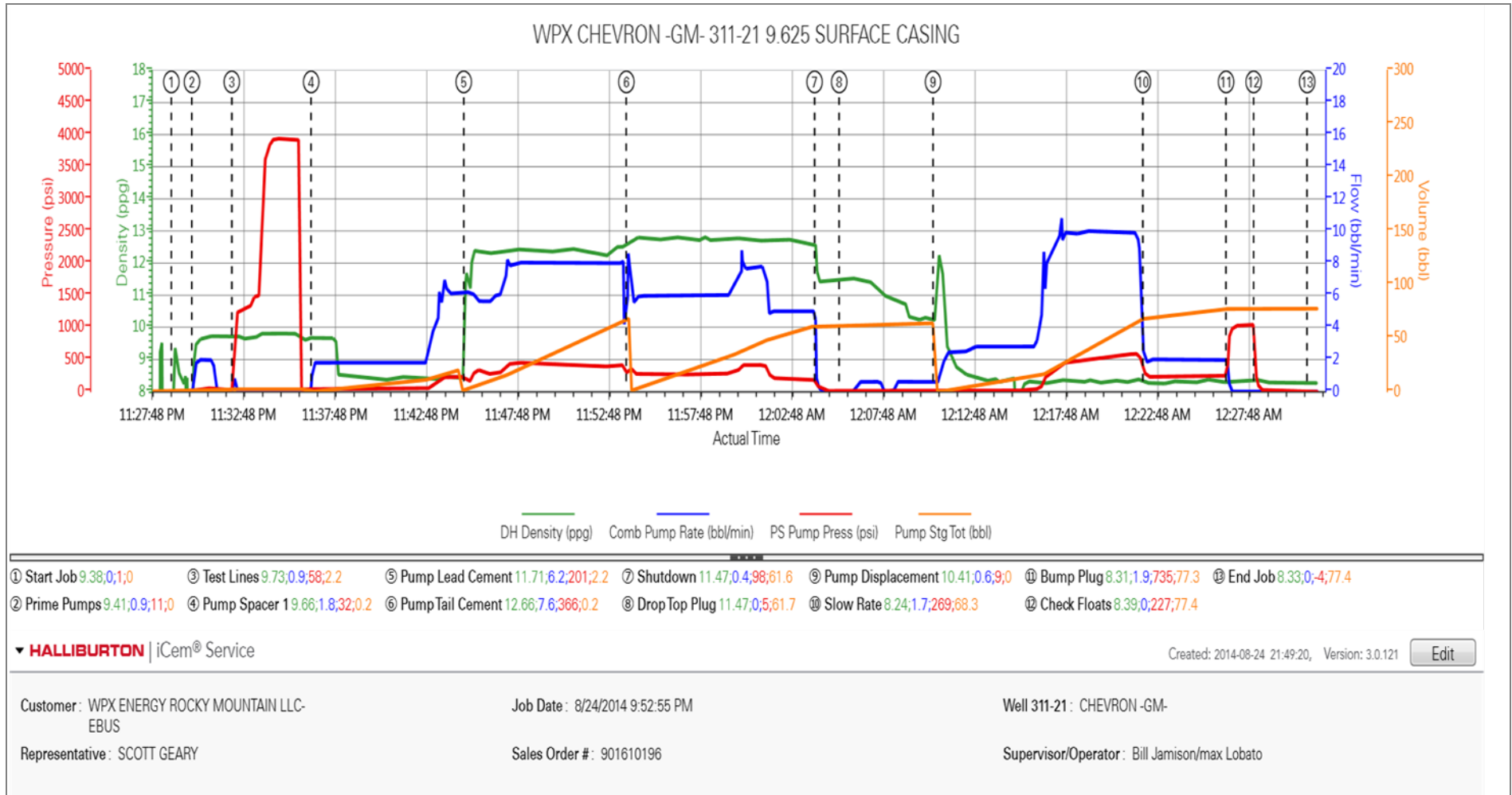
4.1 Job Event Log

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	8/24/2014	15:00:00	USER					TD 1055 TP 1041 SJ 45 MUD 10.1 CASIND 9.625 32.3 H-40 HOLE 13,5 SHOE SET @ 1041 FC @ 996
Event	2	Depart Yard Safety Meeting	8/24/2014	18:50:00	USER					
Event	3	Crew Leave Yard	8/24/2014	19:00:00	USER					
Event	4	Arrive At Loc	8/24/2014	20:00:00	USER					
Event	5	Assessment Of Location Safety Meeting	8/24/2014	20:30:00	USER					
Event	6	Pre-Rig Up Safety Meeting	8/24/2014	20:40:00	USER					
Event	7	Pre-Job Safety Meeting	8/24/2014	23:15:00	USER					
Event	8	Start Job	8/24/2014	23:28:59	COM2					
Event	9	Prime Pumps	8/24/2014	23:30:07	COM2	8.4	2	54	2	FRESH WATER
Event	10	Test Lines	8/24/2014	23:32:17	COM2			4000		
Event	11	Pump Spacer 1	8/24/2014	23:36:38	COM2	8.4	6	244	20	FRESH WATER
Event	12	Pump Lead Cement	8/24/2014	23:44:59	COM2	12.3	8	446	58.8	135 SKS 12.3 YIELD 2.45 WAT/REQ 14.17
Event	13	Pump Tail Cement	8/24/2014	23:53:53	COM2	12.8	8	408	66	170 SKS YIELD 2.18 WAT/REQ 12.11
Event	14	Shutdown	8/25/2014	00:04:10	USER					
Event	15	Drop Top Plug	8/25/2014	00:05:31	COM2					
Event	16	Pump Displacement	8/25/2014	00:10:39	COM2	8.4	10	580	68	FRESH WATER
Event	17	Slow Rate	8/25/2014	00:22:08	USER	8.4	2	240	10	
Event	18	Bump Plug	8/25/2014	00:26:41	COM2	8.4	2	240	78.4	PRESSURED UP TO 1045 PSI
Event	19	Check Floats	8/25/2014	00:28:11	USER					FLOATS HELD
Event	20	End Job	8/25/2014	00:31:07	COM2					CEMENT TO SURFACE 35 BBLS
Event	21	Post-Job Safety Meeting (Pre Rig-Down)	8/25/2014	00:40:00	USER					GOOD CIRCULATION THROUGHOUT JOB
Event	22	Crew Leave Location	8/25/2014	01:03:00	USER					CASING WAS BEING WORKED

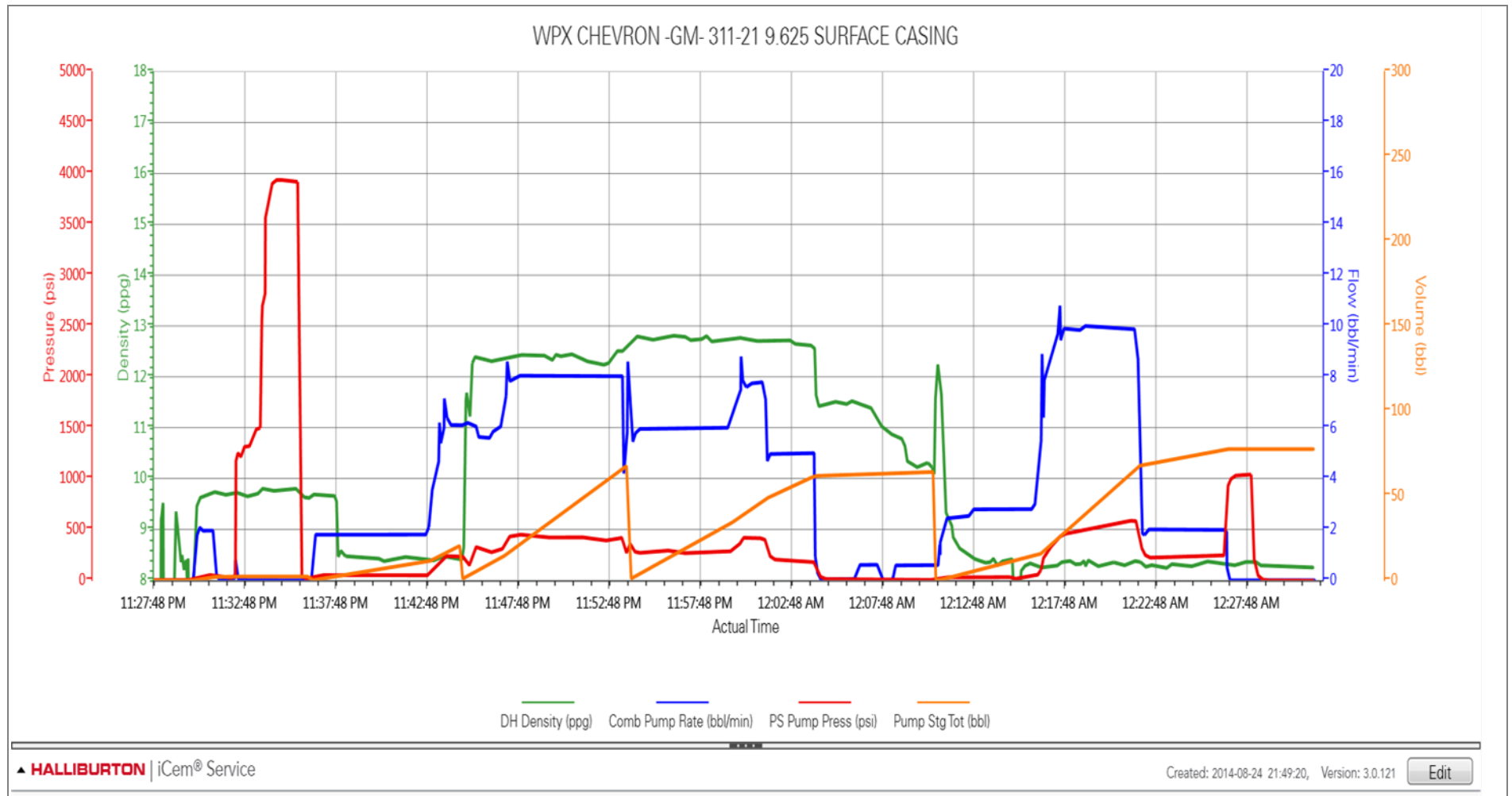
Event	23	Depart Location Safety Meeting	8/25/2014	01:20:00	USER	THANKS FOR USING HALLIBURTON BILL JAMISON & CREW
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5.0 Attachments

5.1 WPX CHEVRON GM 311-21 SURFACE CASING 9.625.png

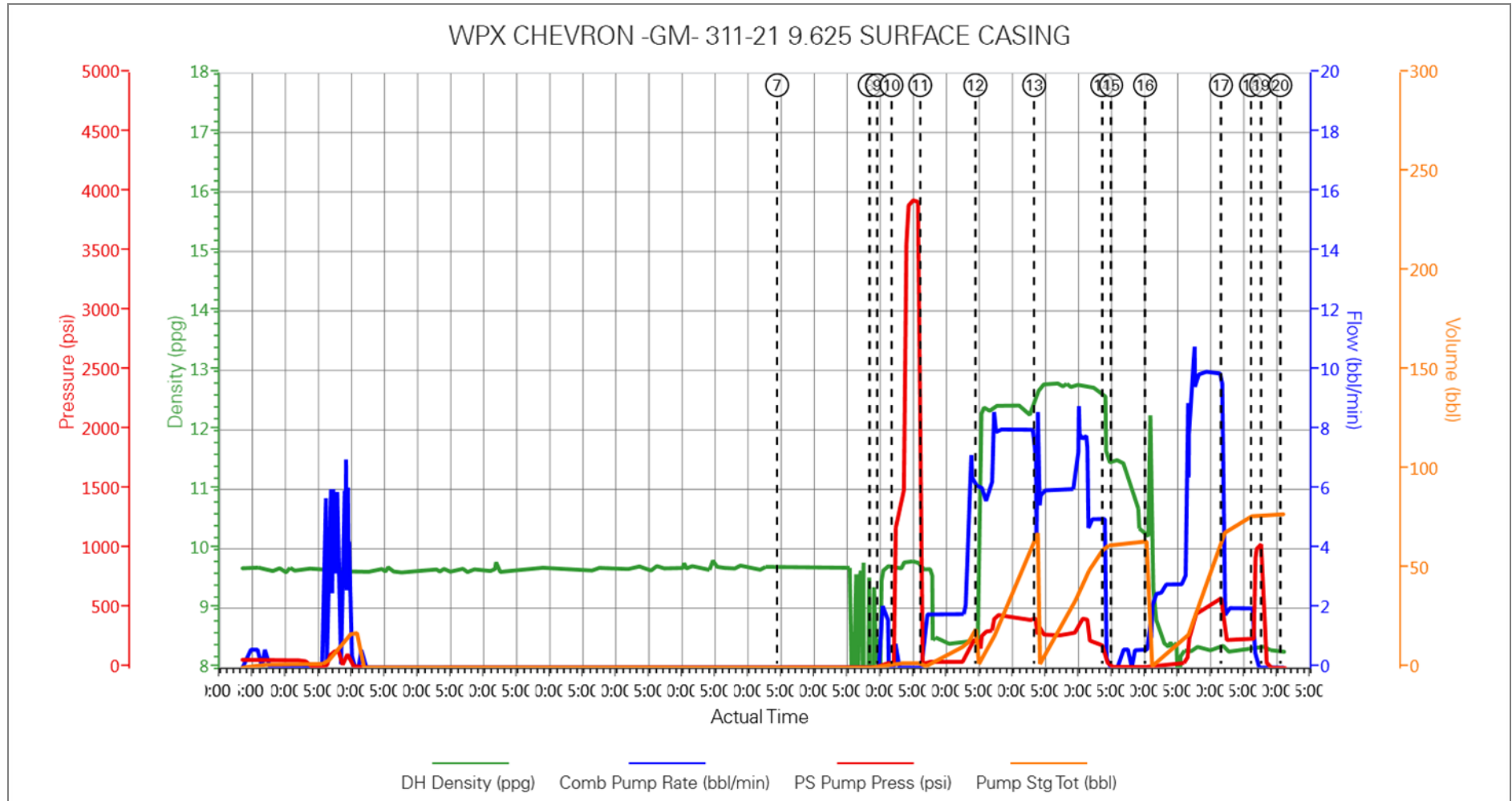


5.2 WPX CHEVRON GM 311-21 SURFACE CASING 9.625.png



6.0 Custom Graphs

6.1 Custom Graph



HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: BILL JAMISON

Attention: DALLAS SCOTT

Lease CHEVRON GM #311-21

Well #

Date: 8/24/2014

Date Rec.: 8/24/2014

S.O.# 901610196

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7.5
Potassium (K)	<i>5000</i>	250 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>	60 Deg
Total Dissolved Solids		370 Mg / L

Respectfully: BILL JAMISON

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 use.

Sales Order #: 0901610196	Line Item: 10	Survey Conducted Date: 8/25/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: SCOTT GEARY		API / UWI: (leave blank if unknown) 05-045-22353-00
Well Name: CHEVRON		Well Number: 0080599194
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	8/25/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HAL9235
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	SCOTT GEARY
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	NONE

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	8/25/2014

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.	Deviated
Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	4.5
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.	2
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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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)	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	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