

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

SG 532-28

H&P 318

Post Job Summary

Cement Surface Casing

Date Prepared: 09/30/2014

Job Date: 09/28/2014

Submitted by: Kory Hugentobler – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3123542	Quote #:	Sales Order #: 0901703256
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: W.C. WILSON	
Well Name: FEDERAL	Well #: SG 532-28	API/UWI #: 05-045-21956-00	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: GARFIELD	State: COLORADO
Legal Description: NE SE-28-7S-96W-2268FSL-490FEL			
Contractor:		Rig/Platform Name/Num: H&P 318	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HX23209		Srvc Supervisor: Eric Carter	

Job

Formation Name			
Formation Depth (MD)	Top	0	Bottom 1745.6 FT.
Form Type	BHST		
Job depth MD	1749ft	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
Open Hole Section			13.5				0	1746		0
Casing		9.625	9.001	32.3		J-55	0	1746		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 GJ5	VARICEM (TM) CEMENT	270	sack	12.3	2.45	14.17	8		

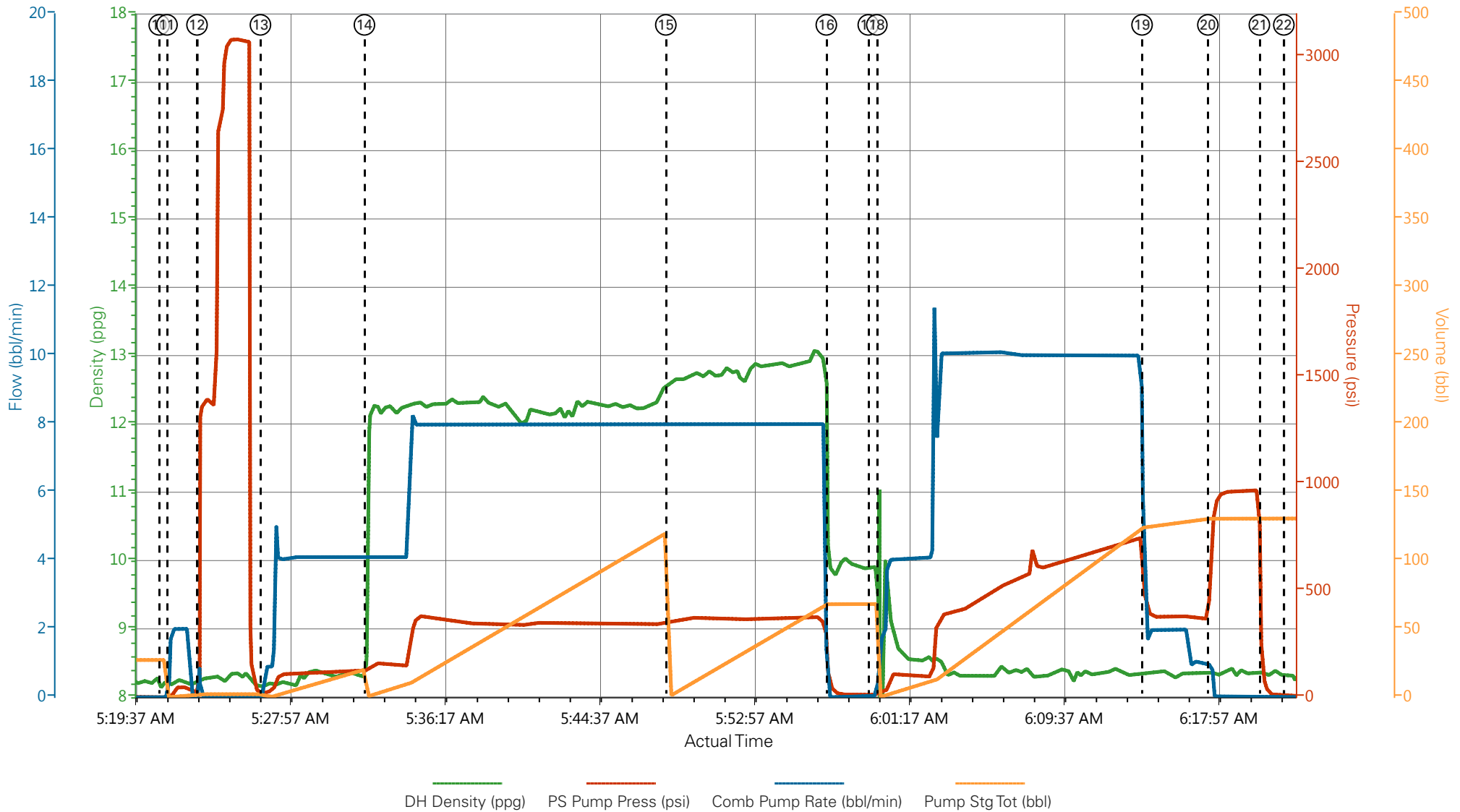
14.10 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	VariCem GJ5	VARICEM (TM) CEMENT	170	sack	12.8	2.18	12.11	8	
12.11 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
4	Fresh Water Displacement	Fresh Water Displacement	134.1	bbl	8.34			10	
Cement Left In Pipe		Amount	44 ft		Reason		Shoe Joint		
Comment									

3.5 Job Event Log

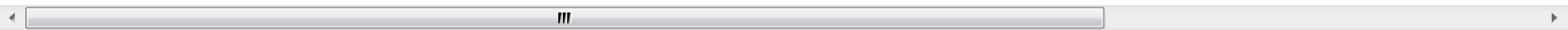
Type	Seq. No.	Graph Label	Date	Time	Source	DH Density (ppg)	PS Pump Press (psi)	Comb Pump Rate (bbl/min)	Pump Stg Tot (bbl)	Comment
Event	1	Call Out	9/27/2014	21:00:00	USER					
Event	2	Depart Yard Safety Meeting	9/27/2014	22:50:00	USER					ATTEDNED BY ALL HES CREW
Event	3	Crew Leave Yard	9/27/2014	23:00:00	USER					
Event	4	Arrive At Loc	9/28/2014	00:00:00	USER					RIG RUNNING CASING
Event	5	Assessment Of Location Safety Meeting	9/28/2014	03:10	USER					ATTEDNED BY ALL HES CREW
Event	6	Other	9/28/2014	03:20	USER					
Event	7	Pre-Rig Up Safety Meeting	9/28/2014	03:50	USER					ATTEDNED BY ALL HES CREW
Event	8	Rig-Up Equipment	9/28/2014	04:00	USER					
Event	9	Pre-Job Safety Meeting	9/28/2014	05:00	USER					ATTEDNED BY ALL HES CREW, RIG CREW AND COMPANY REP
Event	10	Start Job	9/28/2014	05:21:03	USER					TP 1745.6', TD 1745.6', MW 9.5 PPG, CASING 9.625", 32.3#, J-55, SJ 44.1', HOLE 13.5", RIG CIRCULATED FOR 2.5 HR'S PRIOR TO JOB AT 12.5 BPM
Event	11	Fill Lines	9/28/2014	05:21:28	USER	8.34	50	2	2	FRESH WATER
Event	12	Test Lines	9/28/2014	05:23:05	USER					PRESSURED UP TO 3080 PSI, PRESSURE HELD
Event	13	Pump Spacer	9/28/2014	05:26:30	USER	8.34	120	4	20	FRESH WATER
Event	14	Pump Lead Cement	9/28/2014	05:32:06	USER	12.3	380	8	117.8	270 SKS VARICEM MIXED AT 12.3 PPG, 2.45 YIELD, 14.17 GL/SK
Event	15	Pump Tail Cement	9/28/2014	05:48:20	USER	12.8	360	8	66	170 SKS VARICEM MIXED AT 12.8 PPG, 2.18 YIELD, 12.11 GL/SK
Event	16	Shutdown	9/28/2014	05:56:58	USER					
Event	17	Drop Top Plug	9/28/2014	05:59:14	USER					PLUG LAUNCHED
Event	18	Pump Displacement	9/28/2014	05:59:42	USER	8.34	720	10	124.1	FRESH WATER
Event	19	Slow Rate	9/28/2014	06:13:58	USER	8.34	365	1	10	
Event	20	Bump Plug	9/28/2014	06:17:31	USER		950			PLUG LANDED

Event	21	Check Floats	9/28/2014	06:20:18	USER	
Event	22	End Job	9/28/2014	06:21:37	USER	GOOD CIRCULATION THROUGH OUT JOB, 30 BBLS CEMENT TO SURFACE, PIPE NOT MOVED DURING JOB
Event	23	Post-Job Safety Meeting (Pre Rig-Down)	9/28/2014	06:25	USER	ATTEDNED BY ALL HES CREW
Event	24	Rig-Down Equipment	9/28/2014	06:30	USER	
Event	25	Depart Location Safety Meeting	9/28/2014	07:20	USER	ATTEDNED BY ALL HES CREW
Event	26	Crew Leave Location	9/28/2014	07:30	USER	THANK YOU FOR USING HALLIBURTON CEMENT, ERIC CARTER AND CREW.

WPX - SG 532-28 - SURFACE



- | | | | | |
|--|---|--|-------------------------------------|-----------------|
| ① Arrive At Loc 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 8.16;15;0.2;0 | ⑰ Drop Top Plug |
| ② Call Out n/a;n/a;n/a;n/a | ⑥ Other n/a;n/a;n/a;n/a | ⑩ Start Job 8.26;0;0;27.2 | ⑭ Pump Lead Cement 10.6;128;4.1;0.6 | ⑱ Pump Displac |
| ③ Depart Yard Safety Meeting 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 8.19;1;1.6;0.1 | ⑮ Pump Tail Cement 12.61;358;8;0.6 | ⑲ Slow Rate 8.3 |
| ④ Crew Leave Yard n/a;n/a;n/a;n/a | ⑧ Rig-Up Equipment n/a;n/a;n/a;n/a | ⑫ Test Lines 8.26;1349;0;2.2 | ⑯ Shutdown 9.88;73;0;68.2 | ⑳ Bump Plug 8. |



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Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 9/28/2014 4:55:57 AM

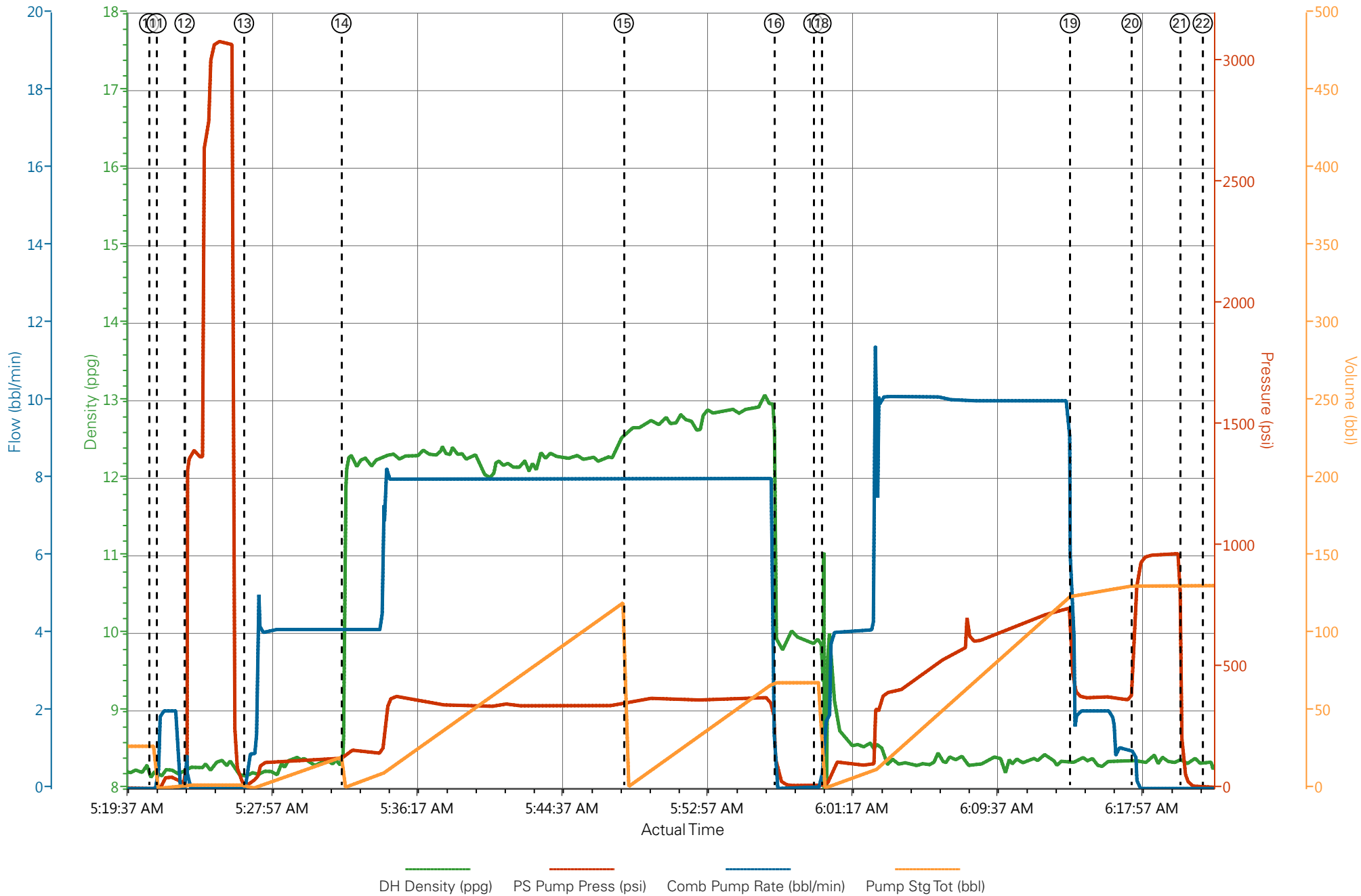
Well: SG 532-28

Representative: W.C. WILSON

Sales Order #: 901703256

ERIC CARTER: PAUL SALAZAR/ELITE 2

WPX - SG 532-28 - SURFACE



HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: ERIC CARTER
Attention: J.Trout
Lease: H+P 318
Well #: SG 532-28

Date: 9/30/2014
Date Rec.: 9/30/2014
S.O.#: 901703256
Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	200 Mg / L
Hardness	<i>500</i>	250 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	500 Mg / L
Sulfates (SO ₄)	<i>1500</i>	<200 Mg / L
Temp	<i>40-80</i>	69 Deg
Total Dissolved Solids		450 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 use.

Sales Order #: 0901703256	Line Item: 10	Survey Conducted Date: 9/28/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-21956-00
Well Name: FEDERAL		Well Number: 0080125614
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	9/28/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HX15491
Customer Participation	Did the customer participate in this survey? (Y/N)	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	9/28/2014
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)	3
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
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: FEDERAL		Well Number: 0080125614
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