

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

PA 443-3

Aztec 1000

Post Job Summary

Cement Surface Casing

Date Prepared: 08/15/2014

Job Date: 05/30/2014

Submitted by: Kory Hugentobler – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3191538	Quote #:	Sales Order #: 0901376709
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Josh Garibay	
Well Name: WPX ENERGY		Well #: PA 443-3	API/UWI #: 05-045-22150-00
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: GARFIELD	State: COLORADO
Legal Description: NE SW-2-7S-95W-2056FSL-1529FWL			
Contractor:		Rig/Platform Name/Num: Aztec 1000	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180		Srvc Supervisor: Eric Carter	

Job

Formation Name			
Formation Depth (MD)	Top	Bottom	1056 ft
Form Type	BHST		
Job depth MD	1056ft	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	8 RD	H-40	0	1056		0
Open Hole Section			13.5				0	1056		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 Spacer	Fresh Water Spacer	20	bbl	8.34			4.0	

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

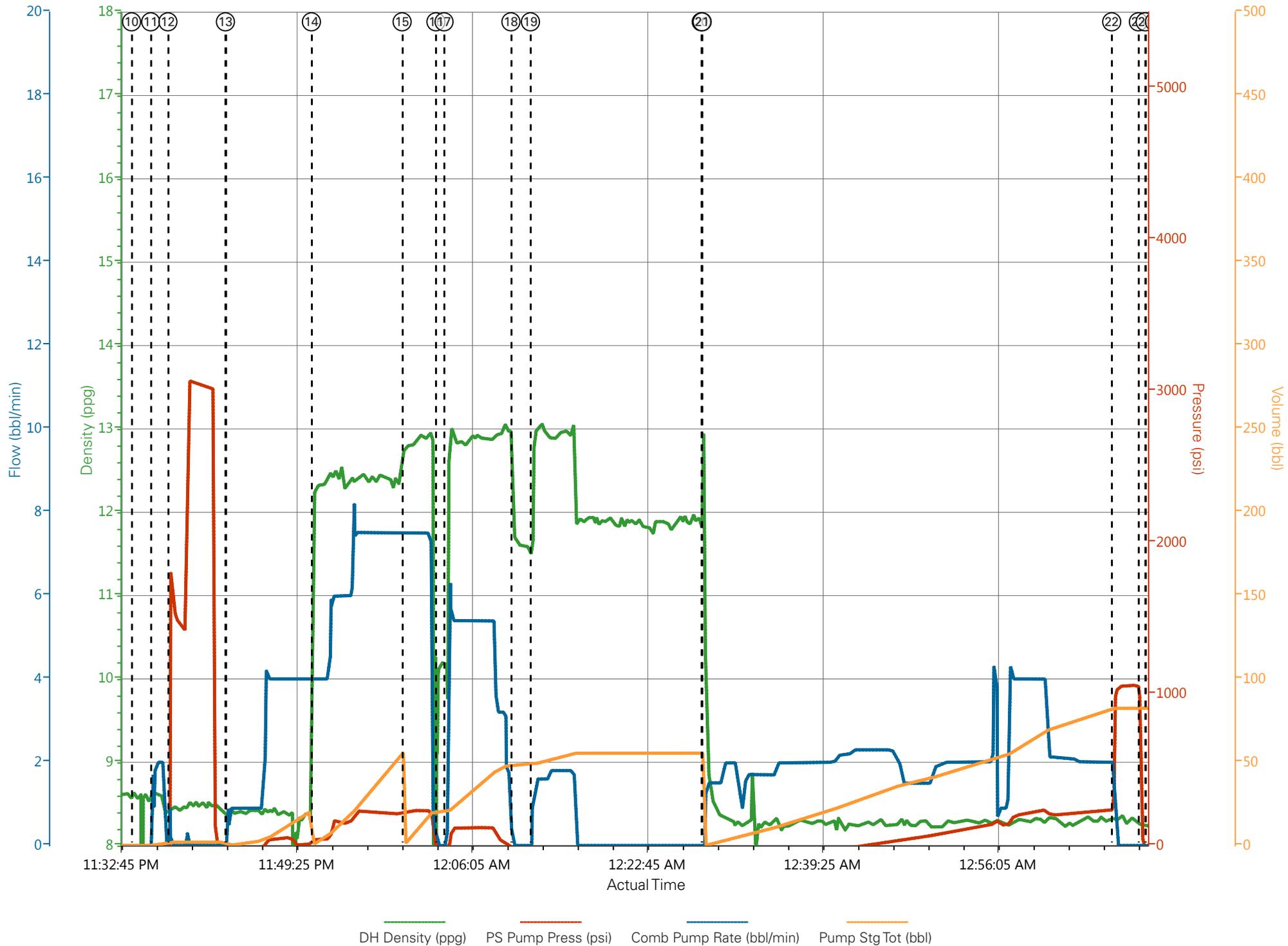
2	Lead Cement	VARICEM (TM) CEMENT	135	sack	12.3	2.38		7.5	13.77
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	Tail Cement	VARICEM (TM) CEMENT	165	sack	12.8	2.11		3	11.77
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
4	Fresh Water Displacement	Fresh Water Displacement	79.7	bbl	8.34			2.2	
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	5/29/2014	16:30	USER					
Event	2	Depart Yard Safety Meeting	5/29/2014	20:20	USER					ATTENDED BY ALL HES CREW
Event	3	Crew Leave Yard	5/29/2014	20:30	USER					
Event	4	Arrive At Loc	5/29/2014	22:00	USER					RIG RIGGING DOWN CASING CREW
Event	5	Assessment Of Location Safety Meeting	5/29/2014	22:10	USER					ATTENDED BY ALL HES CREW
Event	6	Other	5/29/2014	22:20	USER					SPOT EQUIPMENT
Event	7	Pre-Rig Up Safety Meeting	5/29/2014	22:30	USER					ATTENDED BY ALL HES CREW
Event	8	Rig-Up Equipment	5/29/2014	22:40	USER					
Event	9	Pre-Job Safety Meeting	5/29/2014	23:20	USER					ATTENDED BY ALL HES CREW, RIG CREW AND COMPANY REP
Event	10	Start Job	5/29/2014	23:34:00	COM5					TP 1056', TD 1056', CASING 9.625", 32.3#, H-40, SJ 43.75', HOLE 13.5", RIG CURCULATED FOR 1.5 HR'S PRIOR TO JOB
Event	11	Other	5/29/2014	23:35:49	USER	8.34	10	2	2	FILL LINES
Event	12	Test Lines	5/29/2014	23:37:27	COM5					PRESSURED UP TO 3070 PSI, PRESSURE HELD
Event	13	Pump Spacer 1	5/29/2014	23:42:55	COM5	8.34	90	4	20	FRESH WATER
Event	14	Pump Lead Cement	5/29/2014	23:51:05	COM5	12.3	260	7.5	57.2	135 SKS VARICEM MIXED AT 12.3 PPG, 2.38 YIELD, 13.77 GL/SK
Event	15	Pump Tail Cement	5/29/2014	23:59:42	COM5	12.8	250	5	25	165 SKS VARICEM MIXED AT 12.8 PPG, 2.11 YIELD, 11.77 GL/SK
Event	16	Shutdown	5/30/2014	00:02:55	USER					UPRIGHT PULLED DRY, LEVEL INDICATOR ON UPRIGHT INDICATED THAT TANK WAS NEAR FULL PRIOR TO JOB.
Event	17	Resume	5/30/2014	00:03:41	USER	12.8	120	5	20	
Event	18	Shutdown	5/30/2014	00:10:03	USER					
Event	19	Resume	5/30/2014	00:11:54	USER	12.8	30	2	9	HES SHUTDOWN EARLY DUE TO LACK OF WATER. TOTAL TAIL PUMPED 54 BBLS
Event	20	Drop Top Plug	5/30/2014	00:28:08	COM5					PLUG LAUNCHED

Event	21	Pump Displacement	5/30/2014	00:28:13	COM5	8.4	250	2.2	79.7	FRESH WATER PUMPED FROM RIG TANK TO ELITE
Event	22	Bump Plug	5/30/2014	01:07:09	COM5					PLUG LANDED
Event	23	Check Floats	5/30/2014	01:09:41	USER					FLOATS HELD
Event	24	End Job	5/30/2014	01:10:19	USER					GOOD CIRCULATION THROUGH OUT JOB, PIPE NOT MOVED DURING JOB, 20 BBLS CEMENT TO SURFACE
Event	25	Post-Job Safety Meeting (Pre Rig-Down)	5/30/2014	01:15	USER					ATTENDED BY ALL HES CREW
Event	26	Rig-Down Equipment	5/30/2014	01:20	USER					
Event	27	Depart Location Safety Meeting	5/30/2014	02:50	USER					ATTENDED BY ALL HES CREW
Event	28	Crew Leave Location	5/30/2014	03:00	USER					THANK YOU FOR USING HALLIBURTON CEMENT, ERIC CARTER AND CREW

WPX - PA 443-3 - SURFACE



DH Density (ppg) PS Pump Press (psi) Comb Pump Rate (bb/min) Pump Stg Tot (bbl)

Sales Order #: 0901376709	Line Item: 10	Survey Conducted Date: 5/30/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH GARIBAY		API / UWI: (leave blank if unknown) 05-045-22150-00
Well Name: WPX ENERGY		Well Number: 0080226463
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	5/30/2014
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	JOSH GARIBAY
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	EXCELLENT JOB!

CUSTOMER SIGNATURE

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KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	5/30/2014
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)	4
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?	
Operating Hours (Pumping Hours)	2
Total number of hours pumping fluid on this job. Enter in decimal format.	
Customer Non-Productive Rig Time (hrs)	0
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.	
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	
Number of Unplanned Shutdowns	1
Unplanned shutdown is when injection stops for any period of time.	
Reason For Unplanned Shutdown	RIG TANK PULLED DRY DO TO FALSE INICATION OF LEVEL

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Reason For Unplanned Shutdowns (after Starting To Pump)	
Was this a Primary Cement Job (Yes / No) Primary Cement Job= Casing job, Liner job, or Tie-back job.	Yes
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs?	Top
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
Was Automated Density Control Used? Was Automated Density Control (ADC) Used ?	Yes
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	80
Nbr of Remedial Sqz Jobs Rqd - Competition Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
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