

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

PA 414-2

Aztec 1000

Post Job Summary

Cement Surface Casing

Date Prepared: 07/03/2014
Job Date: 04/23/2014

Submitted by: Kory Hugentobler – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3191540	Quote #:	Sales Order #: 0901286318
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Josh Caribay	
Well Name: WPX ENERGY	Well #: PA 414-2	API/UWI #: 05-045-22144-00	
Field: PARACHUTE	City (SAP): PAR	County/Parish: GARFIELD	State: COLORADO
Legal Description: NE SW-2-7S-95W-2010FSL-1559FWL			
Contractor:		Rig/Platform Name/Num: Aztec 1000	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HAL7171		Srv Supervisor: ERIC CARTER	
Job			

Formation Name	
Formation Depth (MD)	Top 0 FT. Bottom 885.35 FT.
Form Type	BHST
Job depth MD	950ft Job Depth TVD 910.35 FT.
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	885.35		
Casing		9.625	9.001	32.3			0	885.35		

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		
Stage Tool					Centralizers		10		

Miscellaneous Materials										
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size

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	8.4			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	Tail Cement	VARICEM (TM) CEMENT	265	sack	12.8	2.11		8	11.77	

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
3	Fresh Water Displacement	Fresh Water Displacement	68.2	bbl	8.4			9	
Cement Left In Pipe		Amount	44 ft		Reason		Shoe Joint		
Comment									

4.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density (ppg)	PS Pump Press (psi)	Comb Pump Rate (bbl/min)	Pump Sig Tot (bbl)	Comment
Event	1	Call Out	Call Out	4/23/2014	08:00	USER					
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	4/23/2014	10:50	USER					ATTENDED BY ALL HES CREW
Event	3	Crew Leave Yard	Crew Leave Yard	4/23/2014	11:00	USER					
Event	4	Arrive At Loc	Arrive At Loc	4/23/2014	12:00	USER					
Event	5	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	4/23/2014	15:30	USER					ATTENDED BY ALL HES CREW
Event	6	Other	Other	4/23/2014	15:40	USER					
Event	7	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	4/23/2014	15:55	USER					ATTENDED BY ALL HES CREW
Event	8	Rig-Up Equipment	Rig-Up Equipment	4/23/2014	16:00	USER					
Event	9	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	4/23/2014	16:20	USER					ATTENDED BY ALL HES CREW, RIG CREW AND COMPANY REP
Event	10	Start Job	Start Job	4/23/2014	16:55:00	USER					TP 885.35', LJ 25', SJ 44', MW 10.3 PPG, CASING 9.625", 32.3#, H-40, CENTRALIZERS 10, HOLE 13.5", RIG CIRCULATED FOR 1 HR PRIOR TO JOB
Event	11	Other	Other	4/23/2014	16:56:00	USER	8.33	40	2	2	FILL LINES
Event	12	Test Lines	Test Lines	4/23/2014	16:57:52	USER					PRESSURED UP TO 2980 PSI, PRESSURE HELD
Event	13	Pump Spacer	Pump Spacer	4/23/2014	17:02:30	USER	8.33	110	4	20	FRESH WATER
Event	14	Pump Tail Cement	Pump Tail Cement	4/23/2014	17:11:17	USER	12.8	410	7	99.6	265 SKS VARICEM MIXED AT 12.8 PPG, 2.11 YIELD, 11.75 GL/SK
Event	15	Shutdown	Shutdown	4/23/2014	17:27:53	USER					
Event	16	Drop Top Plug	Drop Top Plug	4/23/2014	17:31:44	USER					PLUG LAUNCHED
Event	17	Pump Displacement	Pump Displacement	4/23/2014	17:32:20	USER	8.33	500	10	58.2	FRESH WATER

Event	18	Slow Rate	Slow Rate	4/23/2014	17:42:30	USER	8.33	210	2	10	
Event	19	Bump Plug	Bump Plug	4/23/2014	17:46:23	USER		990			PLOG LANDED
Event	20	Check Floats	Check Floats	4/23/2014	17:49:04	USER					FLOATS HELD
Event	21	End Job	End Job	4/23/2014	17:49:36	USER					GOOD CIRCUALTION THROUGH OUT JOB, 20 BBLs CEMENT TO SURFACE, PIPE NOT MOVED DURING JOB
Event	22	Post-Job Safety Meeting (Pre Rig-Down)	Post-Job Safety Meeting (Pre Rig-Down)	4/23/2014	17:50	USER					ATTENDED BY ALL HES CREW
Event	23	Rig-Down Equipment	Rig-Down Equipment	4/23/2014	17:55	USER					
Event	24	Depart Location Safety Meeting	Depart Location Safety Meeting	4/23/2014	18:20	USER					ATTENDED BY ALL HES CREW
Event	25	Crew Leave Location	Crew Leave Location	4/23/2014	18:30	USER					THANK YOU FOR USING HALLIBURTON CEMENT, ERIC CARTER AND CREW.

Sales Order #: 0901286318	Line Item: 10	Survey Conducted Date: 4/23/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH GARIBAY		API / UWI: (leave blank if unknown) 05-045-22144-00
Well Name: WPX ENERGY		Well Number: 0080226501
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	4/23/2014
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	

CUSTOMER SIGNATURE

Sales Order #: 0901286318	Line Item: 10	Survey Conducted Date: 4/23/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH GARIBAY		API / UWI: (leave blank if unknown) 05-045-22144-00
Well Name: WPX ENERGY		Well Number: 0080226501
Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: GARFIELD

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	4/23/2014

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
Operating Hours (Pumping Hours) Total number of hours pumping fluid on this job. Enter in decimal format.	1
Customer Non-Productive Rig Time (hrs) 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.	0
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
Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time.	0
Was this a Primary Cement Job (Yes / No)	Yes

Sales Order #: 0901286318	Line Item: 10	Survey Conducted Date: 4/23/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH GARIBAY		API / UWI: (leave blank if unknown) 05-045-22144-00
Well Name: WPX ENERGY		Well Number: 0080226501
Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: GARFIELD

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
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	98
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