
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**RWF 341-4
Rulison
Garfield County , Colorado**

Cement Surface Casing
26-Sep-2013

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 3107852		Quote #:		Sales Order #: 900771903	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Vallad, Gary			
Well Name: RWF			Well #: 341-4			API/UWI #: 05-045-22082	
Field: Rulison		City (SAP): RIFLE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39.473 deg. OR N 39 deg. 28 min. 24.049 secs.				Long: W 107.889 deg. OR W -108 deg. 6 min. 39.949 secs.			
Contractor: NABORS 574			Rig/Platform Name/Num: NABORS 574				
Job Purpose: Cement Surface Casing						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: MAYO, MARK			Srv Supervisor: REEVES, BRANDON			MBU ID Emp #: 287883	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	09/26/2013 06:30							
Depart from Service Center or Other Site	09/26/2013 08:50							
Arrive At Loc	09/26/2013 10:30							REQUESTED ON LOCATION TIME WAS 12:30.
Assessment Of Location Safety Meeting	09/26/2013 13:30							
Other	09/26/2013 13:45							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	09/26/2013 14:00							
Rig-Up Equipment	09/26/2013 14:10							
Pre-Job Safety Meeting	09/26/2013 15:45							
Start Job	09/26/2013 15:55							TD-1166' TP-1156' SJ-39' MW-10.1 PPG. HOLE 13 1/2" CASING-9 5/8" 32.3 PPF.
Test Lines	09/26/2013 15:57					3020.0		
Pump Spacer 1	09/26/2013 16:01		4	20			105.0	FRESH WATER SPACER
Pump Tail Cement	09/26/2013 16:09		8	120.3			335.0	320 SKS. @ 12.8 PPG. 2.38 YIELD 11.75 GAL/SK.
Drop Top Plug	09/26/2013 16:27							
Pump Displacement	09/26/2013 16:29		10				520.0	FRESH WATER DISPLACEMENT
Slow Rate	09/26/2013 16:39		2	77			265.0	SLOW RATE TO LAND THE PLUG.
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

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SUMMIT Version: 7.3.0106

Monday, January 06, 2014 04:29:00

Cementing Job Log

		#		Stage	Total	Tubing	Casing	
Bump Plug	09/26/2013 16:42		2	87			285.0	PLUG LANDED AT 285 PSI. PRESSURED UP TO 870 PSI.
Check Floats	09/26/2013 16:45							FLOATS HELD. .5 BBL. BACK.
End Job	09/26/2013 16:47							THE WELL WAS CIRCULATED BEFORE STARTING THE JOB. GOOD CIRCULATION THROUGHOUT THE JOB. THE PIPE WAS NOT RECIPROCATED. CIRCULATED 15 BBLS. OF CEMENT TO SURFACE.
Comment	09/26/2013 16:48							THANK YOU FOR USING HALLIBURTON CEMENTING. BRANDON REEVES AND CREW.

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Field: Rulison	City (SAP): RIFLE	County/Parish: Garfield	State: Colorado
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Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: MAYO, MARK	Srvc Supervisor: REEVES, BRANDON	MBU ID Emp #: 287883	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANDERSON, ADAM S	5.0	456683	REEVES, BRANDON W	5.0	287883	ROMKEE, DALE Alan	5.0	488215

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10297346	60 mile	10616651C	60 mile	11071559	60 mile	11583932	60 mile
11808827	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
09/26/2013	5	2						

TOTAL Total is the sum of each column separately

Job

Formation Name	Job	Job Times
Formation Depth (MD)	Top Bottom	Date Time Time Zone
Form Type	BHST	On Location 26 - Sep - 2013 06:30 MST
Job depth MD	1156. ft	Job Started 26 - Sep - 2013 10:30 MST
Water Depth	Wk Ht Above Floor 4. ft	Job Completed 26 - Sep - 2013 15:55 MST
Perforation Depth (MD)	From To	Departed Loc 26 - Sep - 2013 16:47 MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
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Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9 5/8"	1	
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9 5/8"	1	
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

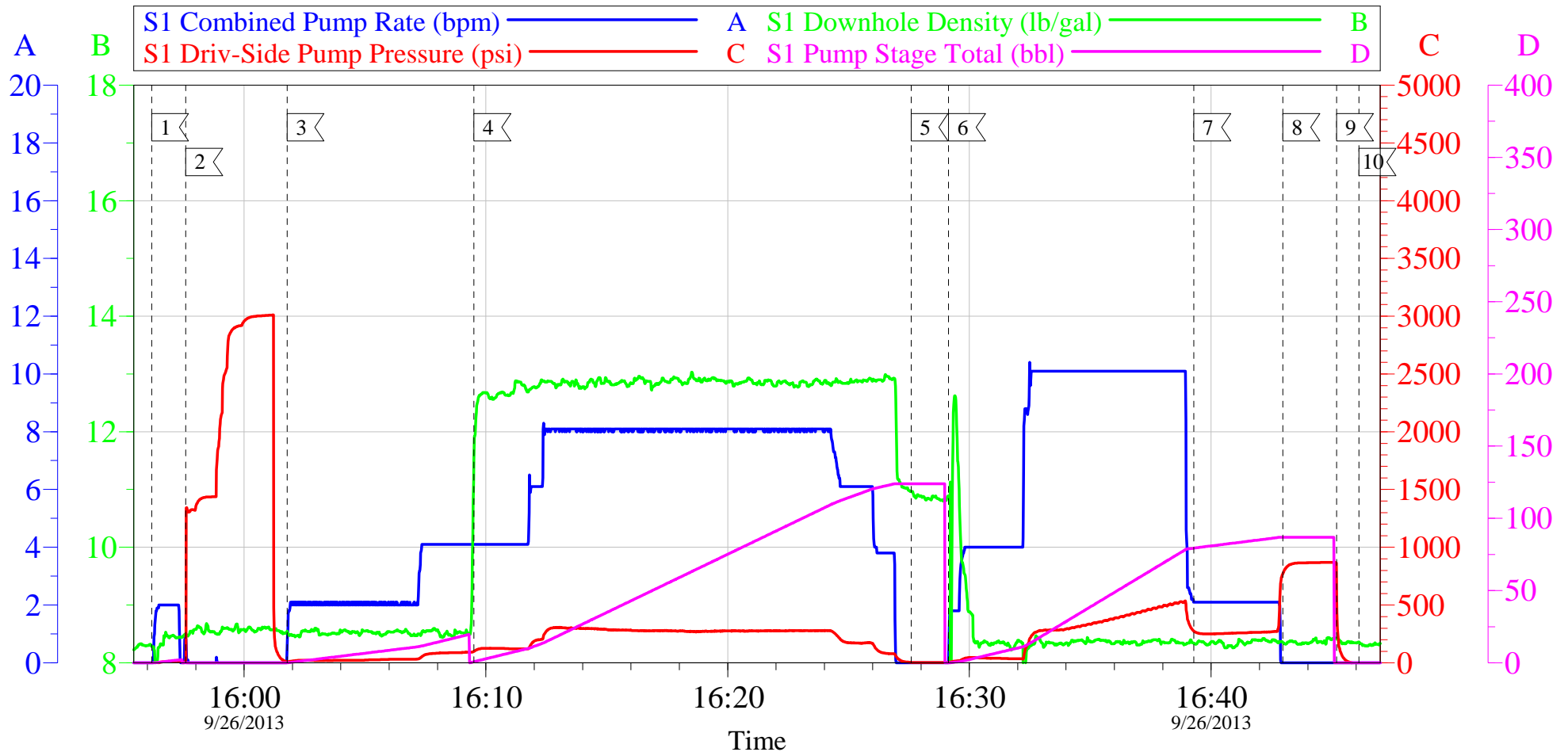
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water Spacer		20.00	bbl	.	.0	.0	4.0	
2	VersaCem GJ1 Tail Cement	VARICEM (TM) CEMENT (452009)	320.0	sacks	12.8	2.11	11.75	8.0	11.75
11.75 Gal		FRESH WATER							
3	Fresh Water Displacement		87.00	bbl	.	.0	.0	10.0	
Calculated Values		Pressures		Volumes					
Displacement	87.9	Shut In: Instant		Lost Returns	NO	Cement Slurry	120.3	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	15	Actual Displacement	87	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	
Rates									
Circulating		Mixing	8	Displacement	10	Avg. Job	9		
Cement Left In Pipe	Amount	39 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

WPX ENERGY RWF 341-4

9 5/8" SURFACE



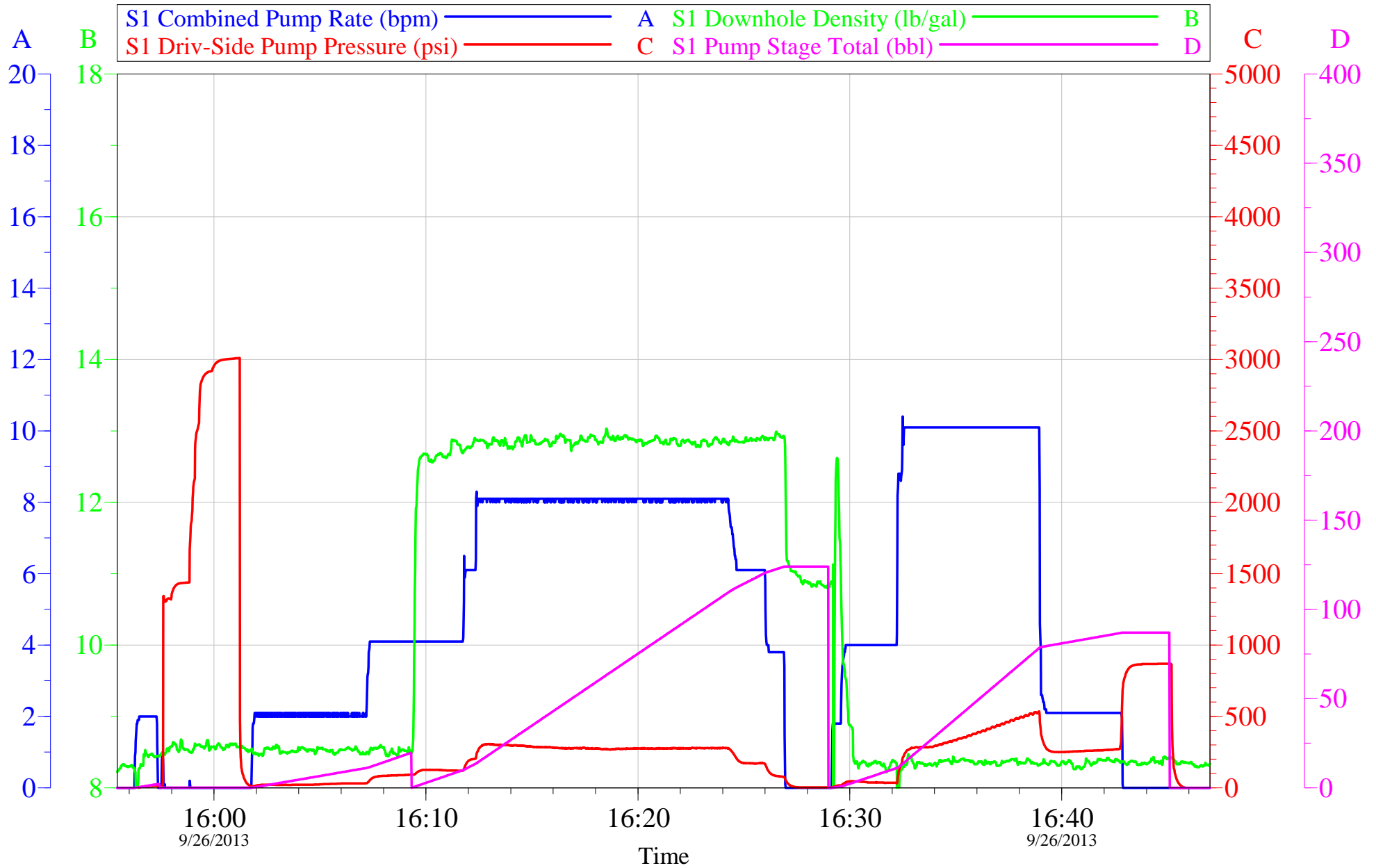
Local Event Log			
Intersection	SDPP	Intersection	SDPP
1 START JOB	15:56:10 -9.696	2 TEST LINES	15:57:35 26.93
4 PUMP CEMENT	16:09:31 98.26	5 DROP TOP PLUG	16:27:35 3.397
7 SLOW RATE	16:39:17 272.5	8 LAND PLUG	16:42:58 772.8
10 END JOB	16:46:07 -4.696	3 PUMP H2O SPACER	16:01:47 10.30
		6 PUMP DISPLACEMENT	16:29:08 2.304
		9 CHECK FLOATS	16:45:11 656.1

Customer: WPX ENERGY	Job Date: 26-Sep-2013	Sales Order #: 900771903
Well Description: RWF 341-4	Job Type: 9 5/8" SURFACE	ADC Used: YES
Supervisor: BRANDON REEVES	Compant Rep: GARY VALLAD	Elite/Operator: 4/ADAM ANDERSON

OptiCem v6.4.10
26-Sep-13 17:08

WPX ENERGY RWF 341-4

9 5/8" SURFACE



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OptiCem v6.4.10
26-Sep-13 17:08

Sales Order #: 900771903	Line Item: 10	Survey Conducted Date: 9/26/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: GARY VALLAD		API / UWI: (leave blank if unknown) 05-045-22082
Well Name: RWF		Well Number: 341-4
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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	9/26/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	BRANDON REEVES (HBT9414)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	GARY VALLAD
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	GOOD JOB

CUSTOMER SIGNATURE

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Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	9/26/2013
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)	2
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)	1
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	6
Number Of Jsas Performed	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Was this a Primary Cement Job (Yes / No)	Yes

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H2S Present:	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