
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

PA 311-11

Garfield County , Colorado

Cement Surface Casing

10-Apr-2013

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2991501	Quote #:	Sales Order #: 900351033
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Duniho, Al	
Well Name: PA		Well #: 311-11	API/UWI #: 05-045-21821
Field:		City (SAP): PARACHUTE	County/Parish: Garfield
State: Colorado		Lat: N 39.453 deg. OR N 39 deg. 27 min. 10.494 secs.	
Long: W 107.967 deg. OR W -108 deg. 1 min. 57.079 secs.		Contractor: Cylcone Drilling	
Rig/Platform Name/Num: Cyclone 17		Job Purpose: Cement Surface Casing	
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc Supervisor: ARNOLD, EDWARD	
MBU ID Emp #: 439784			

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ARNOLD, EDWARD John	9	439784	BLUST, CHARLES Thomas	9	386662	KEANE, JOHN Donovon	9	486519

Equipment

HES Unit #	Distance-1 way						
	60 mile	10872429	60 mile	11259882	60 mile	11360881	60 mile
11808847	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
4-10-2013	9	4.5						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Date	Time	Time Zone
Formation Depth (MD) Top Bottom	Called Out	10 - Apr - 2013	08:00 MST
Form Type BHST	On Location	10 - Apr - 2013	10:30 MST
Job depth MD 1175. ft Job Depth TVD 1175. ft	Job Started	10 - Apr - 2013	16:56 MST
Water Depth Wk Ht Above Floor 3. ft	Job Completed	10 - Apr - 2013	00:00 MST
Perforation Depth (MD) From To	Departed Loc	10 - Apr - 2013	00:00 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
OPEN HOLE				12.25				.	1140.		
SURFACE CASING	Unknown		9.625	9.001	32.3		I-80	.	1124.4		

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	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9 5/8"	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/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
Stage/Plug #: 1										

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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		
2	VariCem GJ! Lead Cement	VARICEM (TM) CEMENT (452009)	160.0	sacks	12.3	2.38	13.75	7	13.75	
13.75 Gal		FRESH WATER								
3	VariCem GJ1 Tail Cement	VARICEM (TM) CEMENT (452009)	160.0	sacks	12.8	2.11	11.75	7	11.75	
11.75 Gal		FRESH WATER								
4	Fresh Water Displacement		88.00	bbl	.	.0	.0	10		
Calculated Values			Pressures			Volumes				
Displacement	88.6	Shut In: Instant		Lost Returns		Cement Slurry	127.0	Pad		
Top Of Cement	SURFACE	5 Min		Cement Returns	28	Actual Displacement	88.6	Treatment		
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	236.5	
Rates										
Circulating	RIG	Mixing	7	Displacement	10	Avg. Job	8			
Cement Left In Pipe	Amount	44 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						

The Road to Excellence Starts with Safety

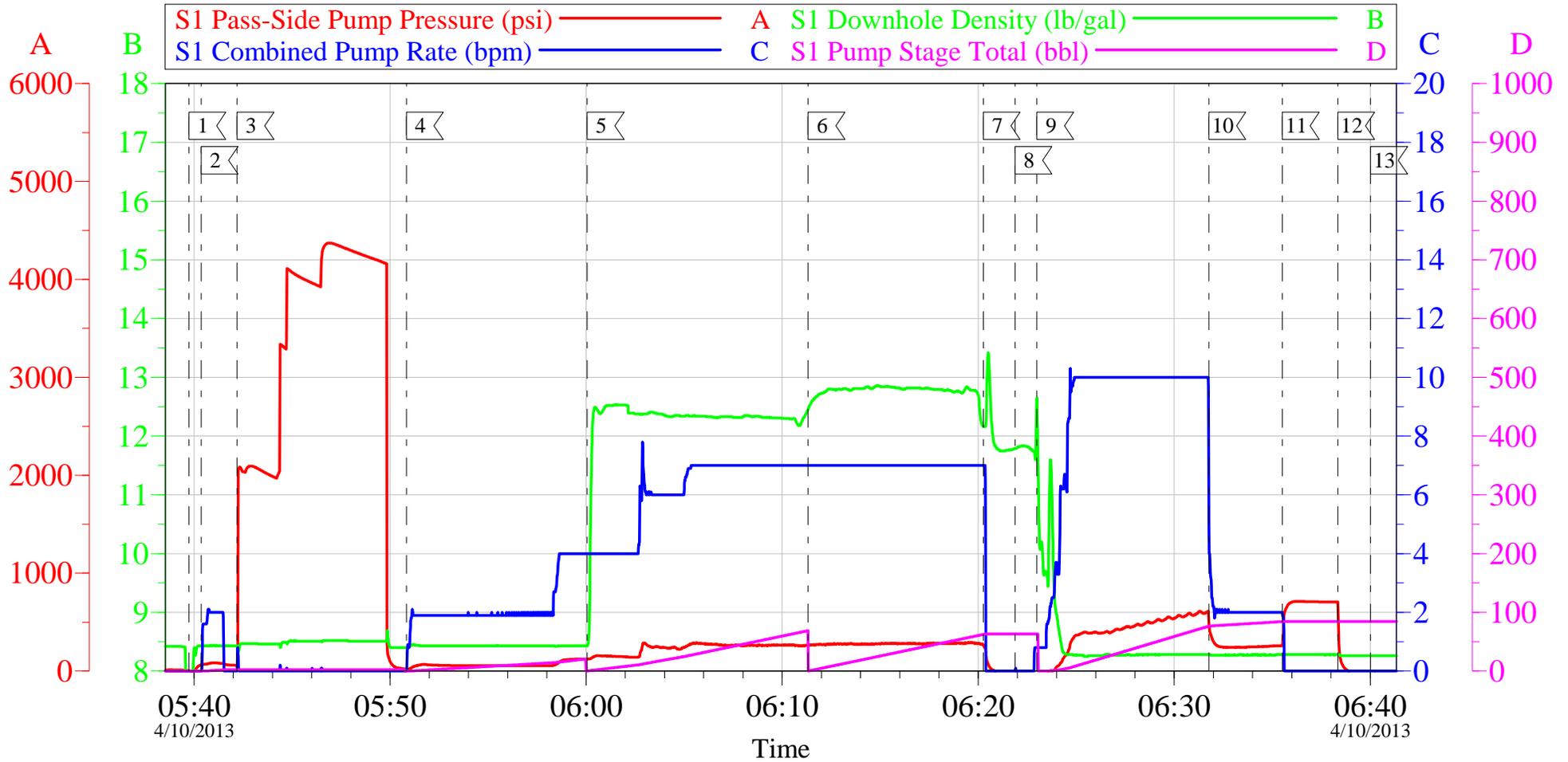
Sold To #: 300721	Ship To #: 2991501	Quote #:	Sales Order #: 900351033
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Duniho, Al	
Well Name: PA	Well #: 311-11	API/UWI #: 05-045-21821	
Field:	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.453 deg. OR N 39 deg. 27 min. 10.494 secs.		Long: W 107.967 deg. OR W -108 deg. 1 min. 57.079 secs.	
Contractor: Cylcone Drilling		Rig/Platform Name/Num: Cyclone 17	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc Supervisor: ARNOLD, EDWARD	MBU ID Emp #: 439784

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	04/10/2013 08:00							Crew called out.
Pre-Convoy Safety Meeting	04/10/2013 08:15							Including entire cement crew, discuss hazards, route, and safety.
Crew Leave Location	04/10/2013 08:20							Crew left last location for new job.
Arrive At Loc	04/10/2013 10:30							Rig still pulling pipe. Requested on location at 1230.
Assessment Of Location Safety Meeting	04/10/2013 10:45							Including entire cement crew, discussed hazards, and rig up.
Pre-Rig Up Safety Meeting	04/10/2013 15:40							
Rig-Up Equipment	04/10/2013 15:50							1 Elite # 7; 1 660 Bulk Truck; 1 hard line to rig floor; 2 lines to upright; 1 9 5/8" compact head.
Rig-Up Completed	04/10/2013 16:20							
Pre-Job Safety Meeting	04/10/2013 16:30							Including everyone on location. Discussed hazards, emergency situations, and job procedure.
Start Job	04/10/2013 16:56							TD 1175; TP 1170; SJ 44; OH 13 1/2"; CASING 9 5/8" 32.3# H-40; MUD9.8 PPG.
Pump Water	04/10/2013 16:57		2	2			71.0	Fresh water ahead to fill lines.
Test Lines	04/10/2013 16:59					4010.0		Test line to psi, Found no leaks, good test.
Pump Spacer 1	04/10/2013 17:07		4	20			109.0	20 BBL's fresh water.

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	04/10/2013 17:16		7	67.8			316.0	160 sks Lead cement, 12.3 ppg, 2.38 cf3, 13.75gal/sk.
Pump Tail Cement	04/10/2013 17:28		7	60.1			336.0	160 sks Tail cement, 12.8 ppg, 2.11 cf3, 11.75 gal/sk.
Shutdown	04/10/2013 17:38							
Drop Plug	04/10/2013 17:40							Plug left Container.
Pump Displacement	04/10/2013 17:41		10	78.6			590.0	Fresh water displacement.
Slow Rate	04/10/2013 17:52		2	10			270.0	Slow rate last 10 BBL's of displacement prior to bumping the plug.
Bump Plug	04/10/2013 17:55				88.6		745.0	Plug landed. Took to 745 psi.
Check Floats	04/10/2013 17:59							Floats Held. BBL's back. 28 BBL's of good cement to surface.
End Job	04/10/2013 18:02							
Pre-Rig Down Safety Meeting	04/10/2013 18:05							Including entire cement crew, discussed hazards and safety.
Rig-Down Equipment	04/10/2013 18:10							
Pre-Convoy Safety Meeting	04/10/2013 19:00							Including entire cement crew, discussed hazards, route, and safety.
Crew Leave Location	04/10/2013 19:30							
Other	04/10/2013 19:30							Thank You for using Halliburton, Ed Arnold and Crew.

WPX - RWF 313-29

9 5/8" SURFACE

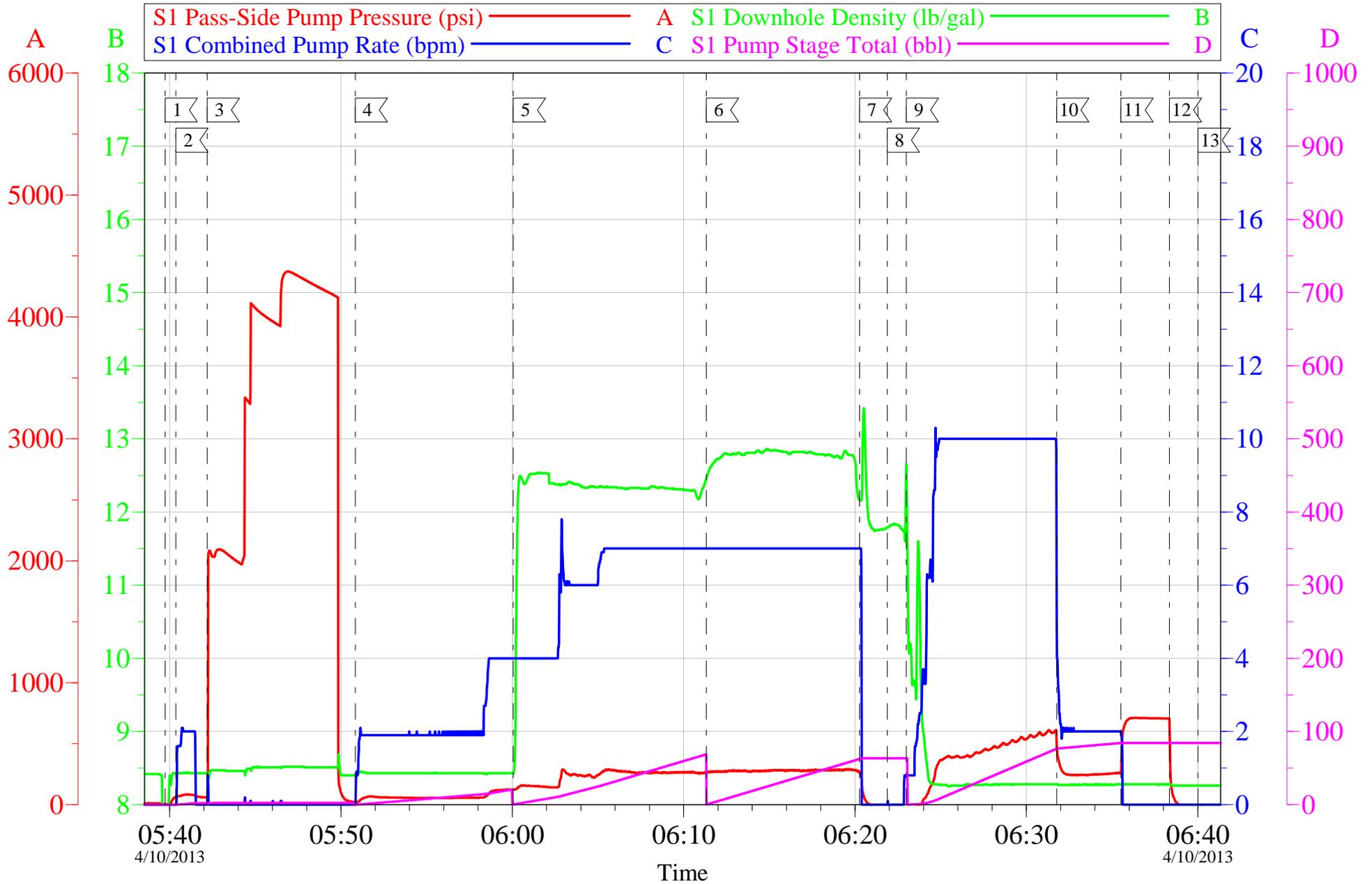


Local Event Log								
1	START JOB	05:39:44	2	FILL LINES	05:40:21	3	TEST LINES	05:42:11
4	H2O SPACER	05:50:50	5	LEAD CEMENT	06:00:03	6	TAIL CEMENT	06:11:19
7	SHUT DOWN	06:20:16	8	DROP PLUG	06:21:53	9	H2O DISPLACEMENT	06:23:00
10	SLOW RATE	06:31:46	11	BUMP PLUG	06:35:32	12	CHECK FLOATS	06:38:21
13	END JOB	06:40:01						

Customer: WPX	Job Date: 10-Apr-2013	Sales Order #: 900347225
Well Description: RWF 313-29	Job Type: SURFACE	ADC Used: YES
Company Rep: RON TOWERS	Cement Supervisor: ED ARNOLD	Elite #: JEROD SIMINEO

WPX - RWF 313-29

9 5/8" SURFACE



Customer: WPX	Job Date: 10-Apr-2013	Sales Order #: 900347225
Well Description: RWF 313-29	Job Type: SURFACE	ADC Used: YES
Company Rep: RON TOWERS	Cement Supervisor: ED ARNOLD	Elite #7: JEROD SIMINEO

OptiCem v6.4.10
10-Apr-13 06:46

Sales Order #: 900351033	Line Item: 10	Survey Conducted Date: 4/10/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: MATT HUDSON		API / UWI: (leave blank if unknown) 05-045-21821
Well Name: PA		Well Number: 311-11
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Oklahoma	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	4/10/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	EDWARD ARNOLD (HX46731)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	MATT HUDSON
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 #: 900351033	Line Item: 10	Survey Conducted Date: 4/10/2013
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Customer Representative: MATT HUDSON		API / UWI: (leave blank if unknown) 05-045-21821
Well Name: PA		Well Number: 311-11
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Oklahoma	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	4/10/2013
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)	4.5
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	5
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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Customer Representative: MATT HUDSON		API / UWI: (leave blank if unknown) 05-045-21821
Well Name: PA		Well Number: 311-11
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Oklahoma	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	99
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	100
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