
WILLIAMS PRODUCTION RMT INC - EBUS

**PA 421-29
Parachute
Garfield County , Colorado**

Cement Surface Casing **09-Jan-2012**

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2895942	Quote #:	Sales Order #: 9125223
Customer: WILLIAMS PRODUCTION RMT INC - EBUS	Customer Rep: HARRISON, JEREMY		
Well Name: PA	Well #: 421-29	API/UWI #: 05-045-20258	
Field: Parachute	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.504 deg. OR N 39 deg. 30 min. 13.831 secs.	Long: W 108.019 deg. OR W -109 deg. 58 min. 51.11 secs.		
Contractor: NABORS	Rig/Platform Name/Num: NABORS 577		
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 #
ANDREWS, ANTHONY Michael	10.25	321604	ARNOLD, EDWARD John	10.25	439784	BRENNECKE, ANDREW Bailey	10.25	486345
MILLER II, MATTHEW Reginald	10.25	425164						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10867423	60 mile	10897887	60 mile	10938678	60 mile	10988964	60 mile
11360871	60 mile	11542767	60 mile	11583933	60 mile	6564	60 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
1.8.2012	6	0	1.9.2012	4.25	4.25			

TOTAL	Total is the sum of each column separately							
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Job

Formation Name				Date				Time	Time Zone	
Formation Depth (MD)		Top	Bottom		Called Out		08 - Jan - 2012	08:00	MST	
Form Type		BHST		On Location		08 - Jan - 2012	18:00	MST		
Job depth MD		3332. ft		Job Depth TVD		3332. ft	Job Started	09 - Jan - 2012	01:07	MST
Water Depth				Wk Ht Above Floor		3. ft	Job Completed	09 - Jan - 2012	02:48	MST
Perforation Depth (MD)		From	To		Departed Loc		09 - Jan - 2012	04:15	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				13.5				.	3332.		
Surface Casing	Unknown		9.625	9.001	32.3		H-40	.	3320.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Spacer		20.00	bbl	8.34	.0	.0	4	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	590.0	sacks	12.3	2.38	13.75	8	13.75
	13.75 Gal	FRESH WATER							
3	Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	8	11.75
	11.75 Gal	FRESH WATER							
4	Displacement Fluid		258.00	bbl	8.34	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	258.1	Shut In: Instant		Lost Returns	0	Cement Slurry	310.1	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	33	Actual Displacement	258.1	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	588.2
Rates									
Circulating	RIG	Mixing	8	Displacement	10	Avg. Job			9
Cement Left In Pipe	Amount	40.7 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID		Frac ring # 2 @	ID		Frac Ring # 3 @	ID		Frac Ring # 4 @
The Information Stated Herein Is Correct				Customer Representative Signature					

The Road to Excellence Starts with Safety

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Customer: WILLIAMS PRODUCTION RMT INC - EBUS				Customer Rep: HARRISON, JEREMY			
Well Name: PA			Well #: 421-29			API/UWI #: 05-045-20258	
Field: Parachute		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39.504 deg. OR N 39 deg. 30 min. 13.831 secs.				Long: W 108.019 deg. OR W -109 deg. 58 min. 51.11 secs.			
Contractor: NABORS			Rig/Platform Name/Num: NABORS 577				
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	01/08/2012 08:00							
Pre-Convoy Safety Meeting	01/08/2012 10:30							Including entire cement crew.
Crew Leave Yard	01/08/2012 10:45							
Arrive At Loc	01/08/2012 18:00							Rig rigging up casing crew. Spoke to Co Rep prior to arriving on location, he told us they would not be ready till around 7 pm. and released us till 6 pm. 1 Add Hour added to ticket. No derrick charge, used 80# of sugar.
Assessment Of Location Safety Meeting	01/09/2012 00:00							Water; PH 7; KCL 450; So4 <200; Fe 0; Calcium 50; Chlorides 0; Temp 50; TDS 100.
Pre-Rig Up Safety Meeting	01/09/2012 00:10							Including entire cement crew.
Rig-Up Equipment	01/09/2012 00:15							1 Elite #1; 1 660 bulk truck; 1 1200 cf3 field storage silo; 1 hard line to floor; 1 line to upright; 1 line to rig tank. 9.625" compact head.
Rig-Up Completed	01/09/2012 00:30							
Pre-Job Safety Meeting	01/09/2012 00:45							Including everyone on location. Strokes 185; PSI 347; Gas 0.
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

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Quote # :

Sales Order # :

9125223

SUMMIT Version: 7.2.27

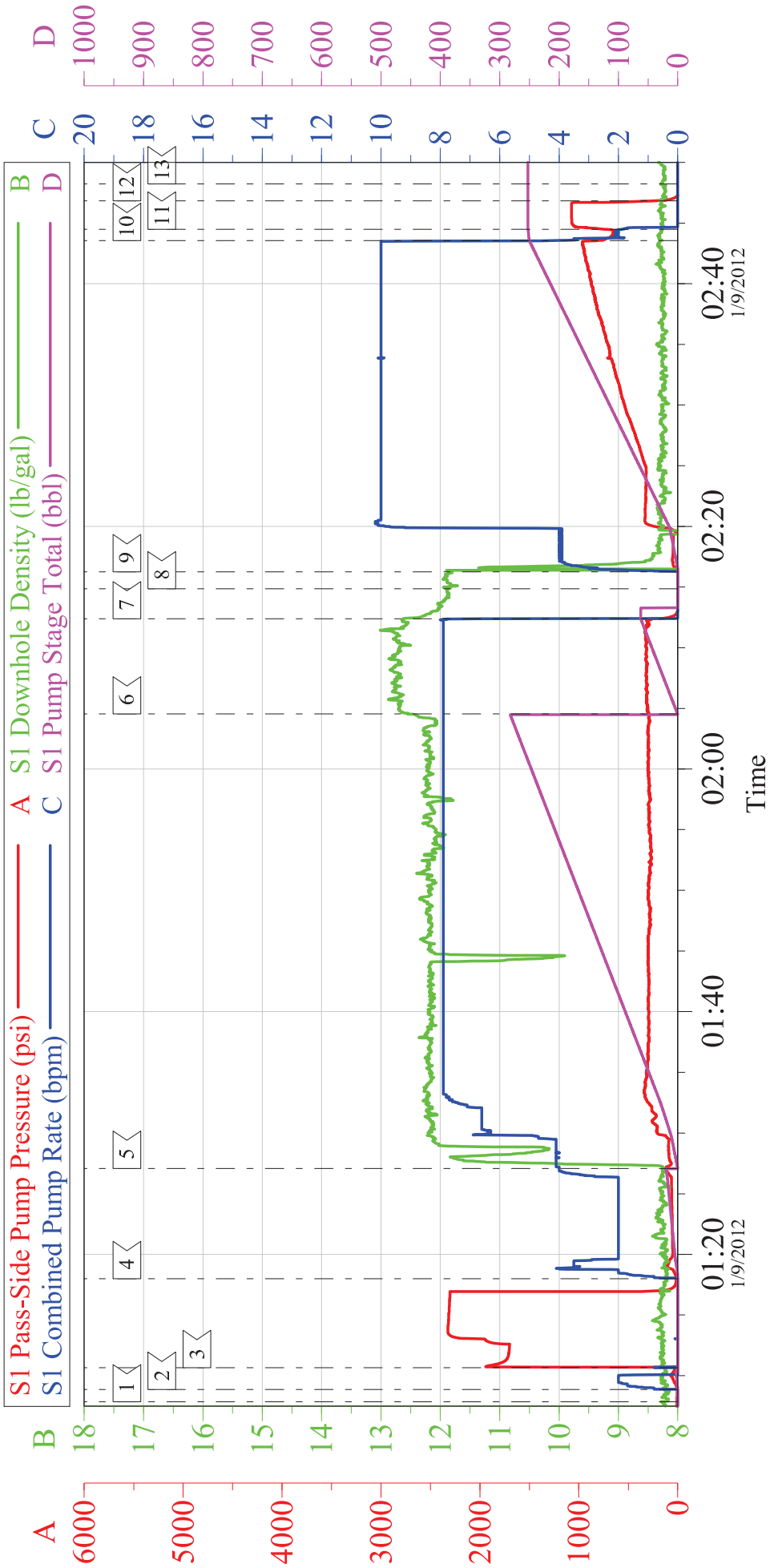
Monday, January 09, 2012 03:38:00

Cementing Job Log

Start Job	01/09/2012 01:07							TD 3332; TP 3320; SJ 40.7; OH 13.5; Casing 9.625" 32.3# H-40; Mud 10.5 ppg.
Pump Water	01/09/2012 01:08		2	2			70.0	Fill lines with fresh water.
Test Lines	01/09/2012 01:10					2340.0		Good pressure test, no leaks.
Pump Spacer 1	01/09/2012 01:18		4	20			115.0	20 BBL fresh water spacer.
Pump Lead Cement	01/09/2012 01:27		8	250.1			300.0	590 sks Lead Cement, 12.3 ppg, 2.38 cf3, 13.75 gal/sk. Denso acted up during lead cement. Printed off a chart with the recirc density on it to show what was pumped.
Pump Tail Cement	01/09/2012 02:04		8	60.1			300.0	160 sks Tail Cement, 12.8 ppg, 2.11 cf3, 11.75 gal/sk.
Shutdown	01/09/2012 02:12							
Drop Plug	01/09/2012 02:14							Plug left container.
Pump Displacement	01/09/2012 02:16		10	248.1			950.0	Fresh water displacement.
Slow Rate	01/09/2012 02:43		2	10			650.0	Slow rate 10 BBL's prior to bumping the plug.
Bump Plug	01/09/2012 02:44				258.1		1080.0	Bumped plug, took 500 PSI over.
Check Floats	01/09/2012 02:46							Floats held, 1.25 BBL back. 33 BBL's of good cement to surface.
End Job	01/09/2012 02:48							
Pre-Rig Down Safety Meeting	01/09/2012 03:00							Including entire cement crew.
Rig-Down Equipment	01/09/2012 03:05							
Rig-Down Completed	01/09/2012 04:00							
Pre-Convoy Safety Meeting	01/09/2012 04:05							Including entire cement crew.
Crew Leave Location	01/09/2012 04:15							Crew leave location for Service Center or another location.
Other	01/09/2012 04:15							Thank You for using Halliburton. Ed Arnold and Crew.

WILLIAMS - PA 421-29

9.625 SURFACE

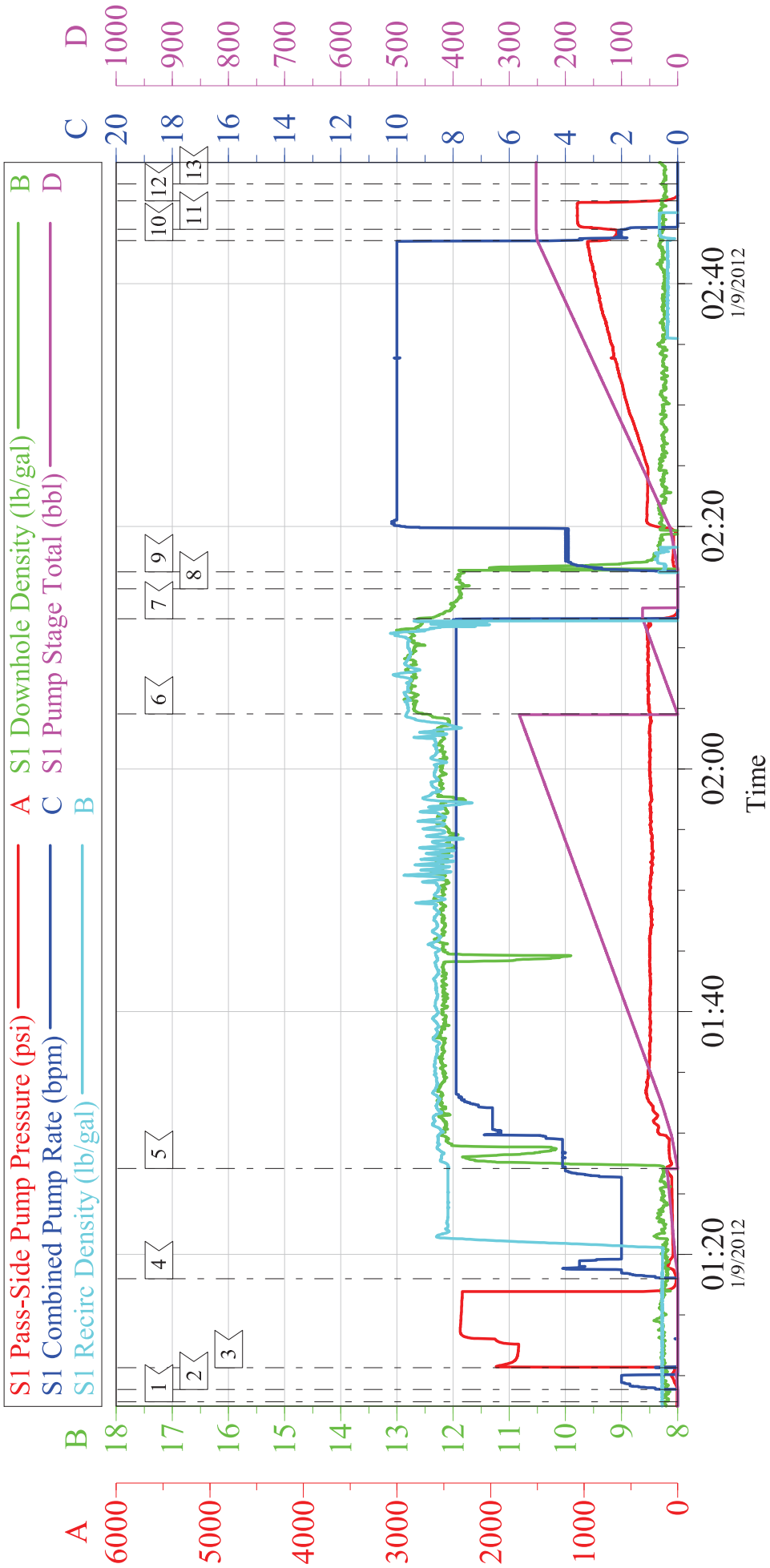


Local Event Log								
1	Start Job	01:07:50	2	Fill Lines	01:08:52	3	Test Lines	01:10:40
4	H2O Spacer	01:18:00	5	Lead Cement	01:27:05	6	Tail Cement	02:04:32
7	Shut Down	02:12:23	8	Drop Plug	02:14:51	9	H2O Displacement	02:16:15
10	Slow Rate	02:43:33	11	Bump Plug	02:44:30	12	Check Floats	02:46:49
13	End Job	02:48:13						

Customer: Williams	Job Date: 09-Jan-2012	Sales Order #: 9125223
Well Description: PA 421-29	Job Type: Surface	ADC Used: Yes
Company Rep: Jermy Harison	Cement Supervisor: Ed Arnold	Elite #1: Reggie Miller

WILLIAMS - PA 421-29

9.625 SURFACE

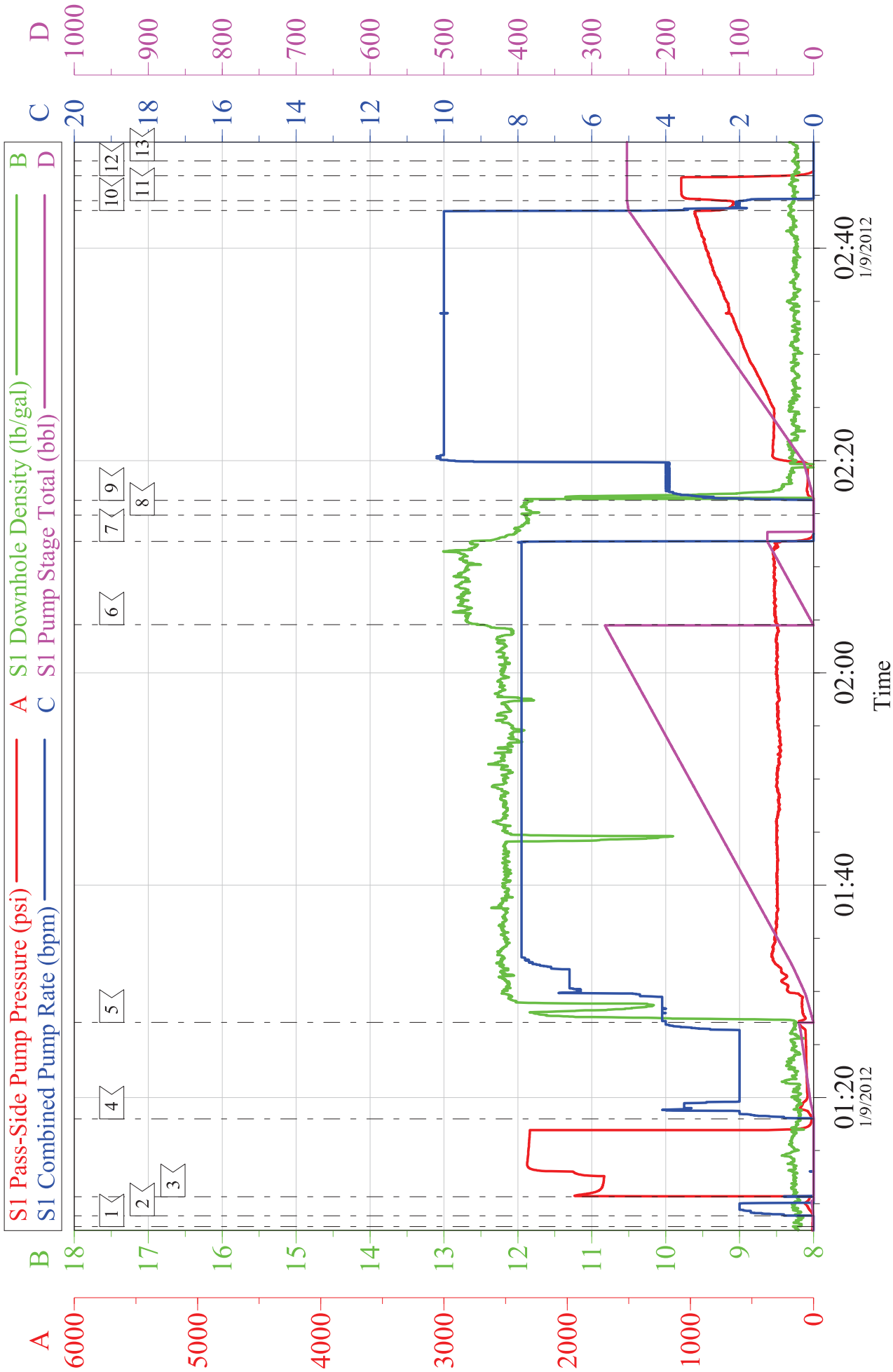


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10	Slow Rate	02:43:33	11	Bump Plug	02:44:30	12	Check Floats	02:46:49
13	End Job	02:48:13						

Customer: Williams	Job Date: 09-Jan-2012	Sales Order #: 9125223
Well Description: PA 421-29	Job Type: Surface	ADC Used: Yes
Company Rep: Jermy Harison	Cement Supervisor: Ed Arnold	Elite #1: Reggie Miller

WILLIAMS - PA 421-29

9.625 SURFACE



Customer: Williams
Well Description: PA 421-29
Company Rep: Jermy Harison

Job Date: 09-Jan-2012
Job Type: Surface
Cement Supervisor: Ed Arnold

Sales Order #: 9125223
ADC Used: Yes
Elite #1: Reggie Miller

Sales Order #: 9125223	Line Item: 10	Survey Conducted Date: 1/9/2012
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JERRY HARISON		API / UWI: (leave blank if unknown) 05-045-20258
Well Name: PA		Well Number: 421-29
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	1/9/2012
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	JERRY HARISON
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 #: 9125223	Line Item: 10	Survey Conducted Date: 1/9/2012
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Customer Representative: JERRY HARISON		API / UWI: (leave blank if unknown) 05-045-20258
Well Name: PA		Well Number: 421-29
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 The date the survey was conducted	1/9/2012

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 biggest 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	4.5
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	2.5
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 an period of time	0
Was this a Primary Cement Job (Yes / No)	Yes

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Customer Representative: JERRY HARISON		API / UWI: (leave blank if unknown) 05-045-20258
Well Name: PA		Well Number: 421-29
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

Primary Cement Job <input type="checkbox"/> Casing Job <input type="checkbox"/> Liner Job <input type="checkbox"/> or Tie-back Job <input type="checkbox"/>	
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs <input type="checkbox"/>	Top
Minimum 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	9%
Was Automated Density Control Used? Was Automated Density Control (ADC) Used <input type="checkbox"/>	Yes
Pump Rate (percent) of Job Stayed At Designed Pump Rate Pump Rate range defined as +/- 1 bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped multiplied by 100	99
Number of Remedial Square Jobs Required After Primary Job Performed Because of Competition Number Of Remedial Square Jobs Required After Primary Job Performed Because of Competition	0
Number of Remedial Plug Jobs Required Because of HES Number Of Remedial Plug Jobs Needed After Primary Plug Pumped Because of HES	0
Number of Remedial Square Jobs Required Because of HES Number Of Remedial Square Jobs Required After Primary Job Performed Because of HES	0