
WILLIAMS PRODUCTION RMT INC - EBUS

PA 443-20
PARACHUTE
Garfield County , Colorado

Cement Surface Casing
04-Aug-2011

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2865866	Quote #:	Sales Order #: 8322972
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Customer Rep: Harrison, Jeremy	
Well Name: PA	Well #: 443-20	API/UWI #: 05-045-20241	
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.504 deg. OR N 39 deg. 30 min. 14.53 secs.		Long: W 108.019 deg. OR W -109 deg. 58 min. 51.449 secs.	
Contractor: Nabors Industries LTD.		Rig/Platform Name/Num: Nabors 577	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: KOHL, KYLE		Srvc Supervisor: PONDER, THOMAS	MBU ID Emp #: 427112

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BORSZICH, STEPHEN A	10.5	412388	MAGERS, MICHAEL Gerard	10.5	339439	PONDER, THOMAS Lynn	10.5	427112
SILVERTHORN, AARON Jacob	10.5	491305						

Equipment

HES Unit #	Distance-1 way						
10248065	60 mile	10784064	60 mile	10871245	60 mile	11006314	60 mile
11259886	60 mile	11360881	60 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
08/03/2011	7	0	08/04/2011	3.5	2			

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	03 - Aug - 2011	13:00	MST
Form Type	BHST		Job Started	03 - Aug - 2011	17:00	MST
Job depth MD	1050. ft	Job Depth TVD	1050. ft	04 - Aug - 2011	01:28	MST
Water Depth		Wk Ht Above Floor	4. ft	04 - Aug - 2011	02:15	MST
Perforation Depth (MD)	From	To	Departed Loc	04 - Aug - 2011	03:30	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
13 1/2" Open Hole				13.5				.	926.		
9 5/8" Surface Casing	New		9.625	9.001	32.3		H-40	.	916.		

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 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 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	.0	
2	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	360.0	sacks	12.8	2.11	11.75		11.75
	11.75 Gal	FRESH WATER							
3	Displacement Fluid		69.00	bbl	8.34	.0	.0	10.0	
Calculated Values		Pressures		Volumes					
Displacement	68.7	Shut In: Instant		Lost Returns	0	Cement Slurry	135.3	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	50	Actual Displacement	68.7	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	225
Rates									
Circulating	10	Mixing	8	Displacement	10	Avg. Job	8		
Cement Left In Pipe	Amount	0 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

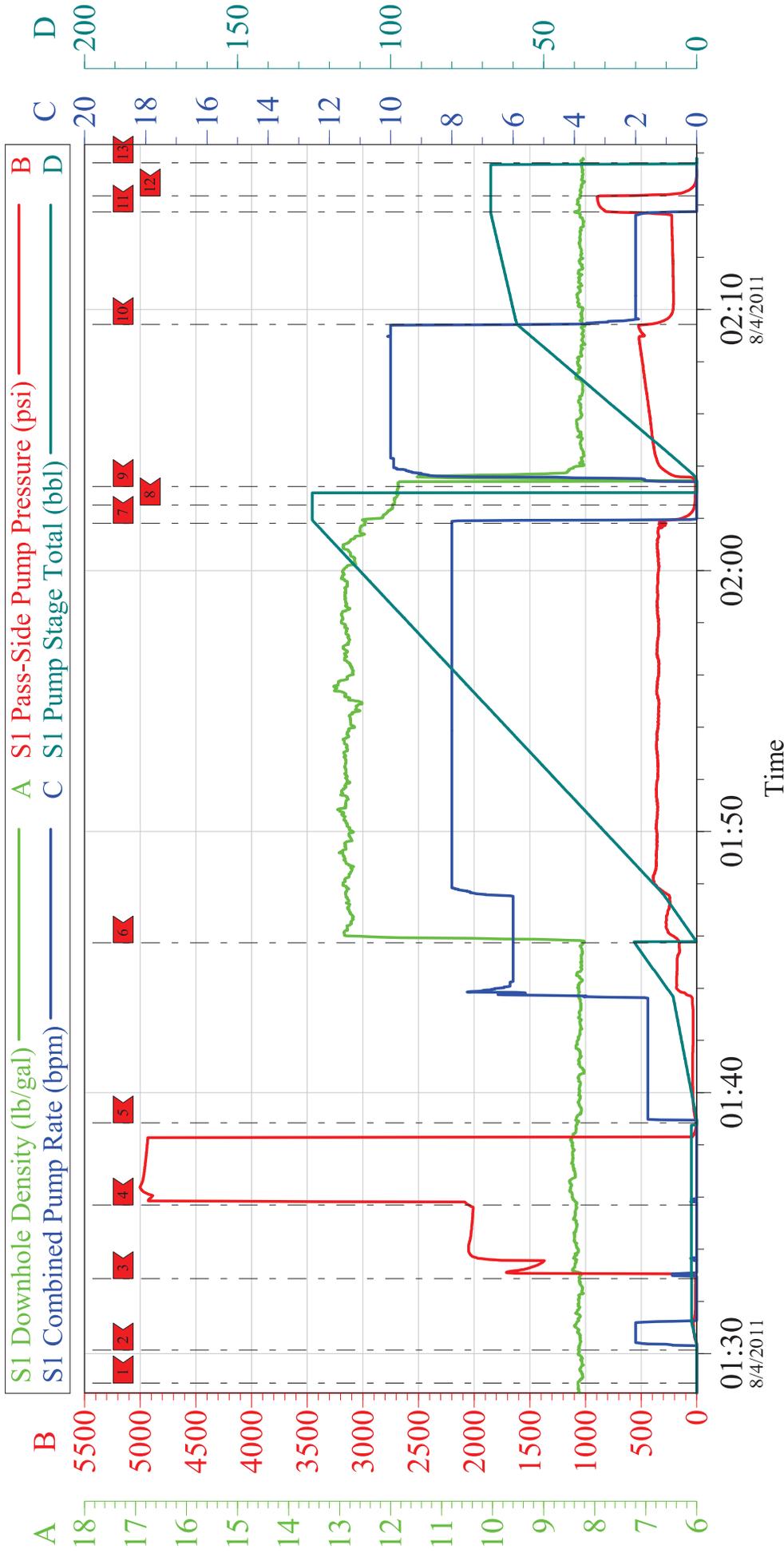
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Well Name: PA		Well #: 443-20	API/UWI #: 05-045-20241
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.504 deg. OR N 39 deg. 30 min. 14.53 secs.		Long: W 108.019 deg. OR W -109 deg. 58 min. 51.449 secs.	
Contractor: Nabors Industries LTD.		Rig/Platform Name/Num: Nabors 577	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: KOHL, KYLE		Srvc Supervisor: PONDER, THOMAS	MBU ID Emp #: 427112

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	08/03/2011 13:00							
Crew Leave Yard	08/03/2011 15:00							ALL HES PRESENT FOR PRE-CONVOY SAFETY HUDDLE
Arrive At Loc	08/03/2011 17:00							RIG WAS STILL DRILLING WHEN ARRIVED AT LOCATION, STARTED TRIPPING PIPE OUT OF THE HOLE @ 1900, STARTED RUNNING CASING @ 2030
Assessment Of Location Safety Meeting	08/04/2011 00:15							TD- 926', TP- 916', SJ- 42.5', MUD- 9.2 PPG, HOLE- 13 1/2", SURFACE CASING- 9 5/8" 32.3# J-55
Rig-Up Equipment	08/04/2011 00:30							1-550 PICK UP, 1- ELITE PUMP, 1- 660 CUFT BULK TRUCK, 1- 400 CUFT BODY LOAD, RIG STARTED CIRCULATION ON BOTTOM @ MIDNIGHT
Safety Meeting	08/04/2011 01:15							ALL HES PRESENT, RIG CREW PRESENT
Start Job	08/04/2011 01:28							
Other	08/04/2011 01:30		2	2			31.0	FILL LINES
Test Lines	08/04/2011 01:32		0.1	0.1			5001.0	
Pump Spacer 1	08/04/2011 01:38		6	20			183.0	FRESH WATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	08/04/2011 01:45		8	135.3			393.0	360 SKS 12.8 PPG 2.11 FT3/SK 11.75 GAL/SK
Shutdown	08/04/2011 02:01							
Drop Plug	08/04/2011 02:02							PLUG DROP VERIFIED VIA TATTLE TELL BY CUSTOMER REP
Pump Displacement	08/04/2011 02:03		10	68.7			524.0	FRESH WATER
Slow Rate	08/04/2011 02:09		2	58.7			209.0	GOOD RETURNS THROUGH OUT JOB, CIRCULATED 50 BBL OF CEMENTTO SURFACE
Bump Plug	08/04/2011 02:13		2	68.7			281.0	PLUG BUMPED
Check Floats	08/04/2011 02:14						881.0	FLOATS HELD, 1/4 BBL BACK TO THE DISPLACEMENT TANKS
End Job	08/04/2011 02:15							THANK YOU FOR CHOOSING HALLIBURTON, THOMAS PONDER AND CREW

WILLIAMS

PA 443-20, 9.625 IN SURFACE

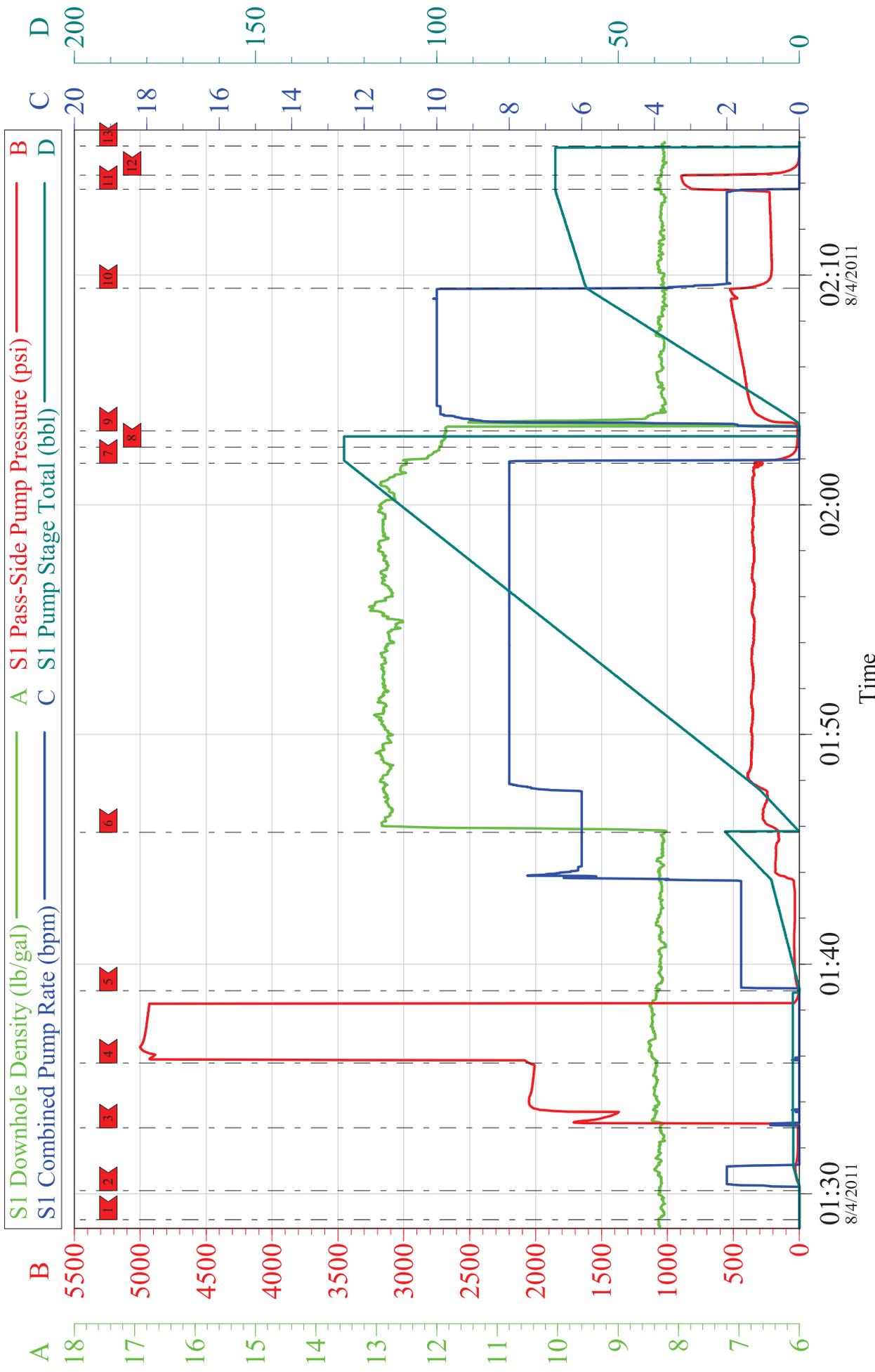


Maximum	SPPP	Maximum	SPPP	Maximum	SPPP
1	01:28:53	2	01:30:08	3	01:32:52
4	01:35:42	5	01:38:50	6	01:45:44
7	02:01:49	8	02:02:31	9	02:03:13
10	02:09:26	11	02:13:44	12	02:14:21
13	02:15:37				

Customer: WILLIAMS	Job Date: 04-Aug-2011	Sales Order #: 8322972
Well Description: PA 443-20	Job Type: SURFACE	ADC Used: YES
Company Rep: JEREMY HARRISON	Cement Supervisor: THOMAS PONDER	Elite #/Operator: ELITE #8 / STEPHEN BORSZICH

WILLIAMS

PA 443-20, 9.625 IN SURFACE



Customer: WILLIAMS	Job Date: 04-Aug-2011	Sales Order #: 8322972
Well Description: PA 443-20	Job Type: SURFACE	ADC Used: YES
Company Rep: JEREMY HARRISON	Cement Supervisor: THOMAS PONDER	Elite #/Operator: ELITE #8 / STEPHEN BORSZICH

Sales Order #: 8322972	Line Item: 10	Survey Conducted Date: 8/4/2011
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-20241
Well Name: PA		Well Number: 443-20
Well Type: Development Well	Well Country: United States of America	
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	8/4/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	THOMAS PONDER (HX41187)
Customer Participation	Did the customer participate in this survey? (Y/N)	No
Customer Representative	Enter the Customer representative name	
HSE	Was our HSE performance satisfactory? Circle Y or N	
Equipment	Were you satisfied with our Equipment? Circle Y or N	
Personnel	Were you satisfied with our people? Circle Y or N	
Customer Comment	Customer's Comment	
Job DVA	Did we provide job DVA above our normal service today? Circle Y or N	
Time	Please enter hours in decimal format to nearest quarter hour.	
Other	Enter short text for other efficiencies gained.	
Customer Initials	Customer's Initials	
Please provide details	Please describe how the job efficiencies were gained.	

CUSTOMER SIGNATURE

Sales Order <input type="checkbox"/>	Line Item:	Survey Conducted Date:
8322972	10	8/4/2011
Customer:		Job Type (BOM):
WILLIAMS PRODUCTION RMT INC - EBUS		CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown)
		05-045-20241
Well Name:		Well Number:
PA		443-20
Well Type:	Well Country:	
Development Well	United States of America	
H2S Present:	Well State:	Well County:
No	Colorado	Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	8/4/2011
The date the survey was conducted	

Cementing KPI Survey	
Type of Job	0
Select the type of job <input type="checkbox"/> Cementing or Non-Cementing <input type="checkbox"/>	
Select the Maximum Deviation range for this Job	Vertical
What is the biggest deviation for the job you just completed? This may not be the maximum well deviation	
Total Operating Time (hours)	1.5
Total Operating Hours Including Rig-up <input type="checkbox"/> Pumping <input type="checkbox"/> Rig-down <input type="checkbox"/> Enter in decimal format	
HSE Incident <input type="checkbox"/>Accident <input type="checkbox"/>Injury	No
HSE Incident <input type="checkbox"/> Accident <input type="checkbox"/> Injury <input type="checkbox"/> This should be recordable incidents only	
Was the job purpose achieved?	Yes
Was the job delivered correct <input type="checkbox"/> as per customer agreed design <input type="checkbox"/>	
Operating Hours (Pumping Hours)	1
Total number of hours pumping fluid on this job <input type="checkbox"/> Enter in decimal format	
Customer Non-Productive Rig Time (hrs)	0
Lost time due to Halliburton in the start <input type="checkbox"/> execution <input type="checkbox"/> or completion of an ordered service or product <input type="checkbox"/> or delays in a follow-on service <input type="checkbox"/> Enter in decimal format: 0 if none	
Type of Rig Classification Job Was Performed	Drilling Rig <input type="checkbox"/> Portable <input type="checkbox"/>
Type Of Rig <input type="checkbox"/> classification <input type="checkbox"/> Job Was Performed On	
Number Of JSAs Performed	5
Number Of Jsas Performed	
Number of Unplanned Shutdowns	0
Unplanned shutdown is <input type="checkbox"/> open injection stops for an <input type="checkbox"/> period of time <input type="checkbox"/>	
Was this a Primary Cement Job (Yes / No)	Yes

Sales Order #: 8322972	Line Item: 10	Survey Conducted Date: 8/4/2011
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-20241
Well Name: PA		Well Number: 443-20
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

Primar <input type="checkbox"/> Cement Job <input type="checkbox"/> Casing Job <input type="checkbox"/> Liner Job <input type="checkbox"/> or Tie-back <input type="checkbox"/> Job <input type="checkbox"/>	
Did We Run Wiper Plugs?	Top
Did We Run Top And Bottom Casing Wiper Plugs <input type="checkbox"/>	
Mixing Density of Job Stayed in Designed Density Range (0-100%)	94
Densit <input type="checkbox"/> Range defined as +/- 20 ppg <input type="checkbox"/> Calculation: Total BBLs cement mixed at designed densit <input type="checkbox"/> divided by total BBLs of cement multiplied by 100	
Was Automated Density Control Used?	Yes
Was Automated Densit <input type="checkbox"/> Control <input type="checkbox"/> ADC <input type="checkbox"/> Used <input type="checkbox"/>	
Pump Rate (percent) of Job Stayed At Designed Pump Rate	99
Pump Rate range defined as +/- 1 bbl/min <input type="checkbox"/> Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped <input type="checkbox"/> multiplied by 100	
Nbr of Remedial Sq Jobs Rqd <input type="checkbox"/> Competition	0
Number Of Remedial S <input type="checkbox"/> uee <input type="checkbox"/> e Jobs Re <input type="checkbox"/> uired After Primar <input type="checkbox"/> Job Performed B <input type="checkbox"/> Competition	
Nbr of Remedial Plug Jobs Rqd <input type="checkbox"/> HES	0
Number Of Remedial Plug Jobs Needed After Primar <input type="checkbox"/> Plug Pumped B <input type="checkbox"/> HES	
Nbr of Remedial Sq Jobs Rqd <input type="checkbox"/> HES	0
Number Of Remedial S <input type="checkbox"/> uee <input type="checkbox"/> e Jobs Re <input type="checkbox"/> uired After Primar <input type="checkbox"/> Job Performed B <input type="checkbox"/> HES	