
WILLIAMS PRODUCTION RMT INC - EBUS

**PA 544-20
PARACHUTE
Garfield County , Colorado**

Cement Surface Casing
11-Nov-2011

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2833773	Quote #:	Sales Order #: 8562015
Customer: WILLIAMS PRODUCTION RMT INC - EBUS	Customer Rep: HARRISON, JEREMY		
Well Name: PA	Well #: 544-20	API/UWI #: 05-045-20245	
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.504 deg. OR N 39 deg. 30 min. 14.108 secs.	Long: W 108.019 deg. OR W -109 deg. 58 min. 51.251 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: KOHL, KYLE	Srvc Supervisor: KUKUS, CRAIG	MBU ID Emp #: 369124	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
KUKUS, CRAIG A	6.5	369124	SPARKS, CLIFFORD Paul	6.5	502476	WYCKOFF, RYAN Scott	6.5	476117

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10722398	60 mile	10871245	60 mile	11139330	60 mile	11259883	60 mile
11360883	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
11/11/11	6.5	3						

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	10 - Nov - 2011 18:00 MST
Job depth MD	995. ft	11 - Nov - 2011 00:00 MST
Water Depth	Wk Ht Above Floor 4. ft	11 - Nov - 2011 04:52 MST
Perforation Depth (MD)	From To	11 - Nov - 2011 05:38 MST
		11 - Nov - 2011 06:45 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
-------------	------------	-------------------	---------	-------	---------------	--------	-------	-----------	--------------	------------	---------------

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		
R/A DENSOMETER W/CHART RECORDER,/JOB,ZI	1	JOB		
PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI	1	JOB		
ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB		

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

1	Water Spacer		20.00	bbl	8.34	.0	.0	4	
2	Tail Cement	VERSACEM (TM) SYSTEM (452010)	305.0	sacks	12.8	2.11	11.75	8	11.75
	11.75 Gal	FRESH WATER							
3	Displacement Fluid		75.00	bbl	8.34	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	74.7	Shut In: Instant		Lost Returns	0	Cement Slurry	114	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	24	Actual Displacement	75	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	209
Rates									
Circulating	RIG	Mixing	8	Displacement	10	Avg. Job			9
Cement Left In Pipe	Amount	43.25ft	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					

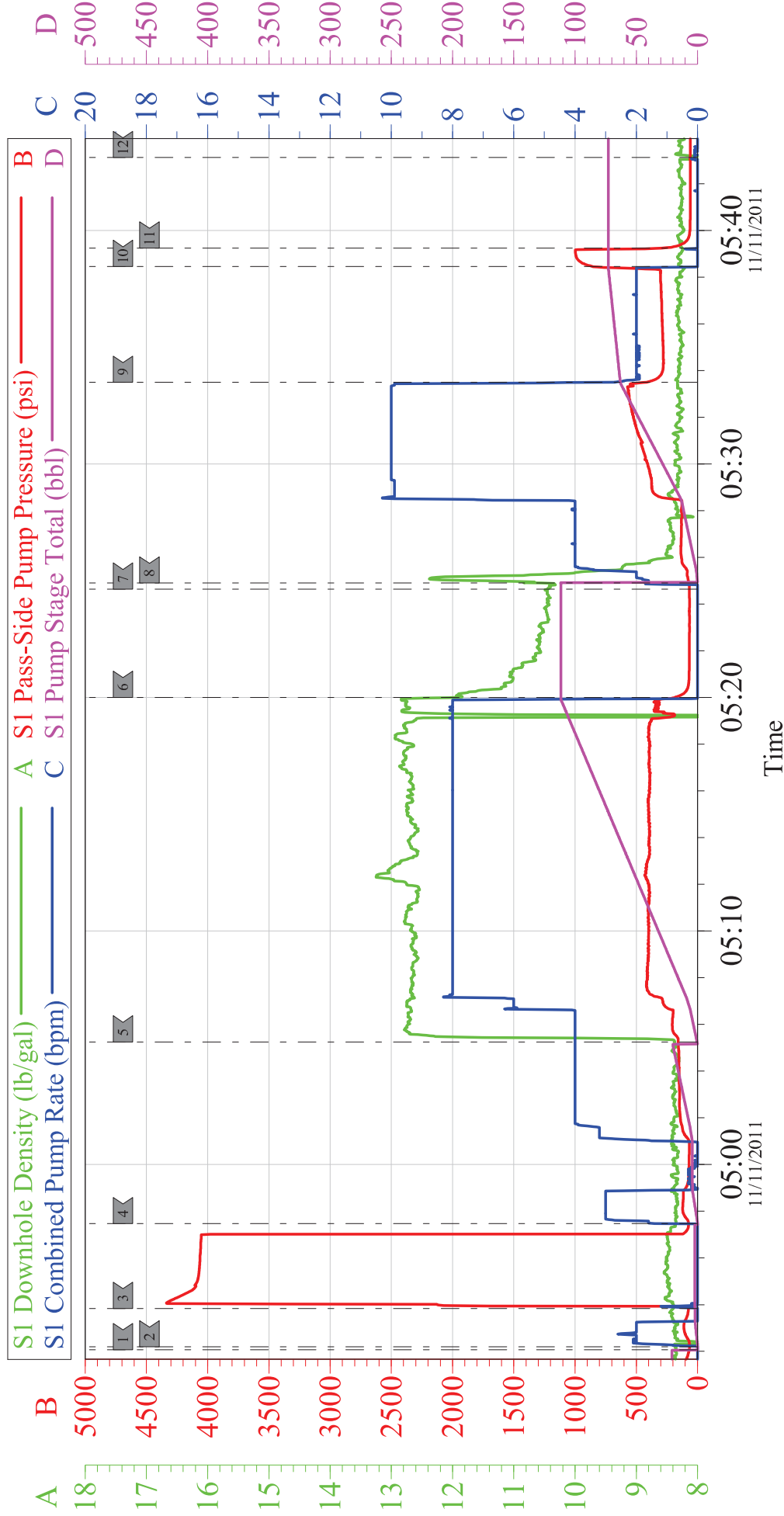
The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2833773	Quote #:	Sales Order #: 8562015
Customer: WILLIAMS PRODUCTION RMT INC - EBUS	Customer Rep: HARRISON, JEREMY		
Well Name: PA	Well #: 544-20	API/UWI #: 05-045-20245	
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.504 deg. OR N 39 deg. 30 min. 14.108 secs.		Long: W 108.019 deg. OR W -109 deg. 58 min. 51.251 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: KOHL, KYLE	Srvc Supervisor: KUKUS, CRAIG	MBU ID Emp #: 369124	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	11/10/2011 18:00							
Depart Yard Safety Meeting	11/10/2011 20:00							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Arrive At Loc	11/10/2011 22:30							RIG PULLING D/P
Assessment Of Location Safety Meeting	11/10/2011 22:40							ASSESSMENT OF LOCATION INVOLVING THE ENTIRE CMT CREW
Circulate Well	11/11/2011 03:30							RIG CIRCULATE WELL THRU HES CEMENT HEAD
Pre-Rig Up Safety Meeting	11/11/2011 03:40							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Rig-Up Equipment	11/11/2011 03:45							RIG UP IRON TO STAND PIPE / WATER TO UP RIGHT
Pre-Job Safety Meeting	11/11/2011 04:45							SAFETY MEETING INVOLVING EVERYONE ON LOCATION
Start Job	11/11/2011 04:52							TD 995 FT TP 993 FT SJ 43.25 FT PIPE 9 5/8 IN 32.3 # OH 13.5 IN MUD WT 10.5#
Other	11/11/2011 04:52		2	2			126.0	FILL LINES WITH FRESH WATER
Pressure Test	11/11/2011 04:53		0.5			4000.0		PRESSURE TEST GOOD
Pump Spacer 1	11/11/2011 04:57		4	20			171.0	FRESH WATER SPACER
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

		#		Stage	Total	Tubing	Casing	
Pump Tail Cement	11/11/2011 05:05		8	114.6			420.0	PUMP 305 SKS TAIL CEMENT AT 12.8 PPG 2.11 Y 11.75 GAL/SK
Shutdown	11/11/2011 05:20							READY TUB FOR WASH UP ON TOP OF PLUG
Drop Top Plug	11/11/2011 05:24							PLUG LEFT THE PLUG CONTAINER
Pump Displacement	11/11/2011 05:24		10	74.7			542.0	PUMP H2O DISPLACEMENT
Slow Rate	11/11/2011 05:33		2	64			310.0	SLOW RATE TO 2 BBL MIN LAST 10 BBLS
Bump Plug	11/11/2011 05:38		2	74.7			967.0	PLUG LANDED AT 320 PSI
Check Floats	11/11/2011 05:39							FLOATS HELD / GOT 1/2 BBL BACK TO TANKS
End Job	11/11/2011 05:43							HAD GOOD RETURNS THRU OUT THE JOB / GOT CEMENT TO SURFACE TOTAL 24 BBLS
Pre-Rig Down Safety Meeting	11/11/2011 05:45							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Rig-Down Equipment	11/11/2011 05:50							RIG FLOOR DOWN AND WASH UP PUMP/ RIG UP IRON
Safety Meeting - Departing Location	11/11/2011 06:40							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Comment	11/11/2011 06:45							THANK YOU FOR USING HALLIBURTON, CRAIG KUKUS AND CREW

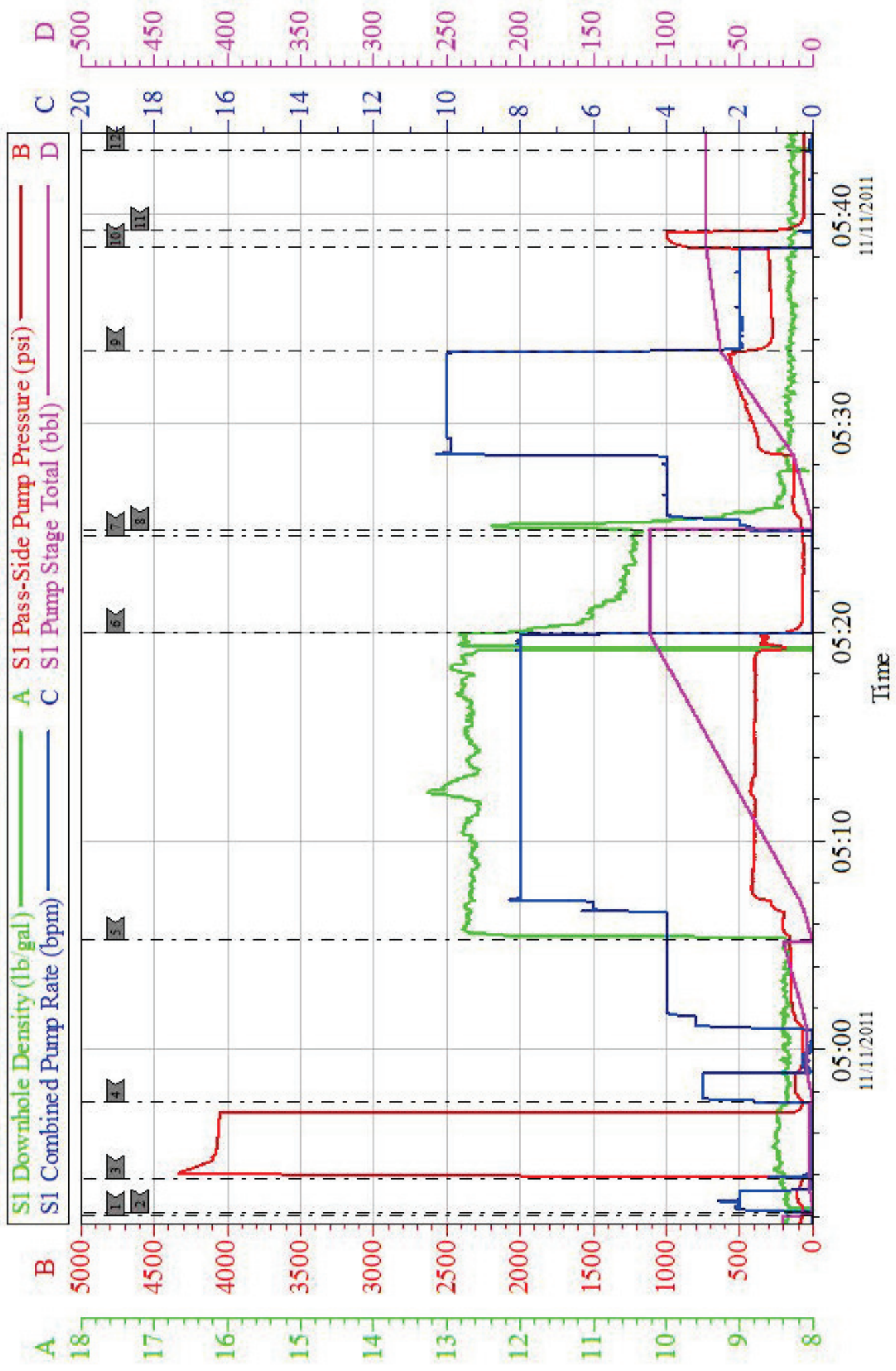
WILLIAMS PRODUCTION PA 544-20
SURFACE 9 5/8



Local Event Log			
1	START JOB	2	PRIME LINES
4	PUMP H2O SPACER	5	PUMP TAIL CEMENT
7	DROP PLUG	8	PUMP H2O DISPLACEMENT
10	BUMP PLUG	11	CHECK FLOATS

WILLIAMS PRODUCTION PA 544-20

SURFACE 9 5/8



Customer: WILLIAMS PRODUCTION	Job Date: 11-Nov-2011	Sales Order #: 8562015
Well Description: PA 544-21	Job Type: SURFACE	ADC Used: YES
Company Rep: JERMEY HARRISON	Cement Supervisor: CRAIG KUKUS	Elite #/Operator: E 8 RYAN WYCKOFF

OptiCem v6.4.8
11-Nov-11 05:56

Sales Order #: 8562015	Line Item: 10	Survey Conducted Date: 11/11/2011
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JERMEY HARRISON		API / UWI: (leave blank if unknown) 05-045-20245
Well Name: PA		Well Number: 544-20
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	11/11/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CRAIG KUKUS (HX19742)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	JERMEY HARRISON
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 #: 8562015	Line Item: 10	Survey Conducted Date: 11/11/2011
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JERMEY HARRISON		API / UWI: (leave blank if unknown) 05-045-20245
Well Name: PA		Well Number: 544-20
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	11/11/2011

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	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	6
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

Sales Order #: 8562015	Line Item: 10	Survey Conducted Date: 11/11/2011
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JERMEY HARRISON		API / UWI: (leave blank if unknown) 05-045-20245
Well Name: PA		Well Number: 544-20
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	98
Nbr of Remedial Square Jobs Required After Primary Job Performed Because Competition Number Of Remedial Square Jobs Required After Primary Job Performed Because Competition	0
Nbr of Remedial Plug Jobs Required Because HES Number Of Remedial Plug Jobs Needed After Primary Plug Pumped Because HES	0
Nbr of Remedial Square Jobs Required Because HES Number Of Remedial Square Jobs Required After Primary Job Performed Because HES	0