
WILLIAMS PRODUCTION RMT INC - EBUS

PA 433-20
Parachute
Garfield County , Colorado

Cement Surface Casing
21-Aug-2011

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2861877	Quote #:	Sales Order #: 8373920
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Customer Rep: HARRISON, JEREMY	
Well Name: PA	Well #: 433-20	API/UWI #: 05-045-20248	
Field: Parachute	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.504 deg. OR N 39 deg. 30 min. 14.63 secs.		Long: W 108.019 deg. OR W -109 deg. 58 min. 51.37 secs.	
Contractor: NABORS 577		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: STILLSON, ERIC	MBU ID Emp #: 393789

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
NICKLE, RYON	3	454759	SINGLETON, AUSTIN W	3	487406	STILLSON, ERIC W	3	393789
WEAVER, CARLTON Russell	3	457698						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10533645	60 mile	10567589C	60 mile	10995027	60 mile	11139328	60 mile
11259884	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
08-21-11	7	1						

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	21 - Aug - 2011	09:00	MST
Form Type	BHST		Job Started	21 - Aug - 2011	13:37	MST
Job depth MD	1119. ft	Job Depth TVD	1119. ft	Job Completed	21 - Aug - 2011	14:33
Water Depth		Wk Ht Above Floor	4. ft	Departed Loc	21 - Aug - 2011	16:00
Perforation Depth (MD)	From	To				

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 SECTION				13.5				.	1119.		
SURFACE CASING	Unknown		9.625	9.001	32.3			.	1008.		

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		HES

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	
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625	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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Spacer		20.00	bbl	8.33	.0	.0	4.0	
2	VersaCem Tail	VERSACEM (TM) SYSTEM (452010)	310.0	sacks	12.8	2.11	11.75	6.0	11.75
11.75 Gal		FRESH WATER							
3	Displacement Fluid		76.00	bbl	8.34	.0	.0	10.0	
Calculated Values		Pressures		Volumes					
Displacement	76	Shut In: Instant		Lost Returns	0	Cement Slurry	116	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	30	Actual Displacement	76	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	
Rates									
Circulating	RIG	Mixing	6	Displacement	10	Avg. Job	8		
Cement Left In Pipe	Amount	42.5 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

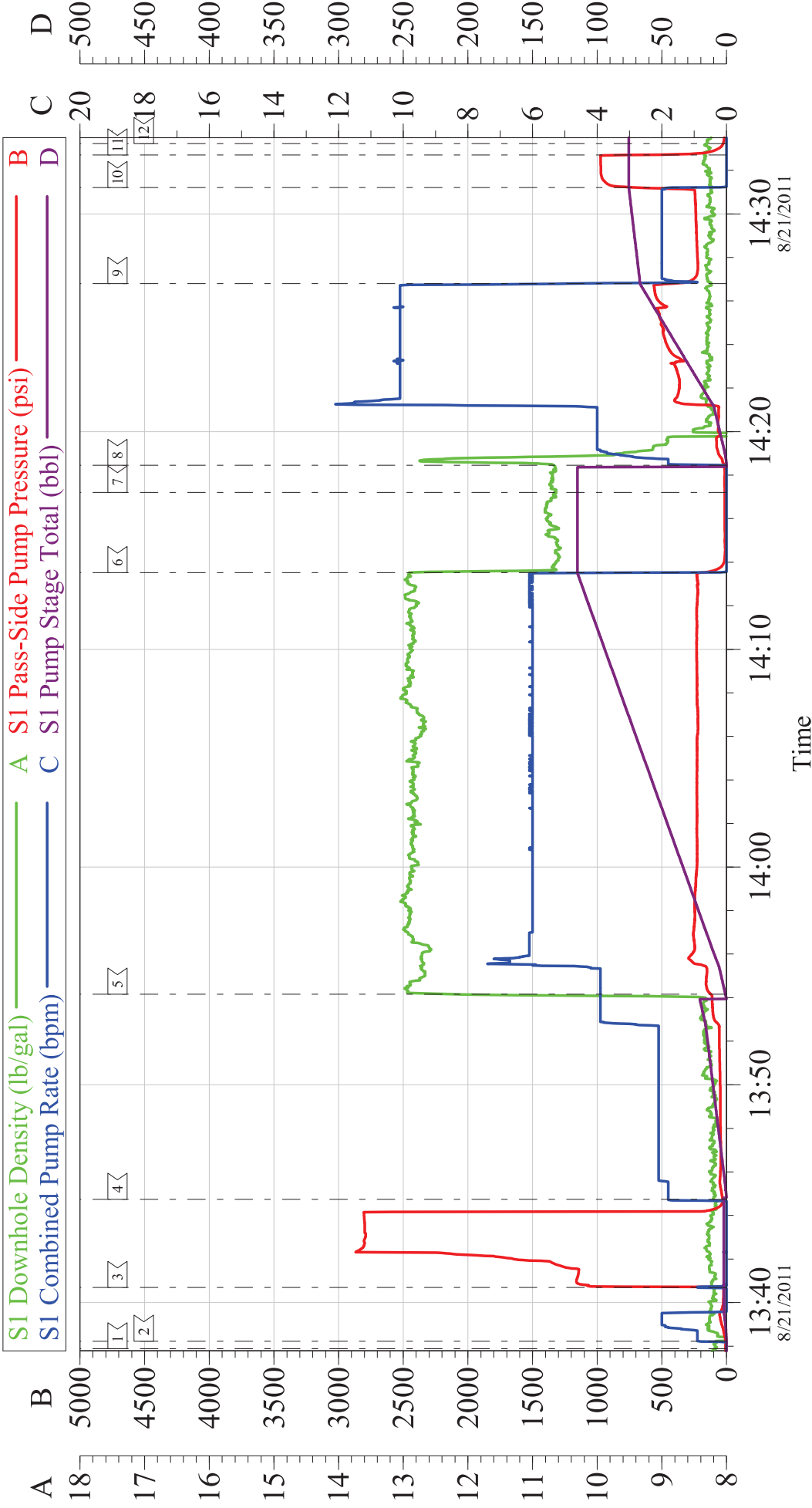
Sold To #: 300721	Ship To #: 2861877	Quote #:	Sales Order #: 8373920
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Customer Rep: HARRISON, JEREMY	
Well Name: PA		Well #: 433-20	API/UWI #: 05-045-20248
Field: Parachute	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.504 deg. OR N 39 deg. 30 min. 14.63 secs.		Long: W 108.019 deg. OR W -109 deg. 58 min. 51.37 secs.	
Contractor: NABORS 577		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: STILLSON, ERIC	MBU ID Emp #: 393789

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	08/21/2011 05:00							9 5/8 SURFACE, WILLIAMS, NABORS 577, PA 433-20
Pre-Convoy Safety Meeting	08/21/2011 07:15							ENTIRE CREW, OBSERVE ALL SAFE DRIVING PROCEDURES
Arrive At Loc	08/21/2011 09:00							ARRIVED EARLY. RIG PULLING DRILL PIPE, WAIT TO SPOT EQUIPMENT
Assessment Of Location Safety Meeting	08/21/2011 12:00							REVIEWED EMERGENCY PLAN, ASSESSED WORK AREA AND SPOTTED EQUIPMENT.
Pre-Rig Up Safety Meeting	08/21/2011 12:25							ENTIRE CREW, WALKED THROUGH RIG UP LOOKING FOR HAZARDS.
Rig-Up Equipment	08/21/2011 12:30							1 PICK UP, 1 HT400 PUMP TRUCK, 1 660 BULK CEMENT TRUCK, 1 QUICK LATCH HEAD WITH PLUG,
Pre-Job Safety Meeting	08/21/2011 13:20							ENTIRE CREW, CO REP AND RIG CREW.
Start Job	08/21/2011 13:37							TD 1119 TP 1008 SJ 42.47 FC 965.53 MW 10.3 PPG, 9 5/8 32.3# CASING IN 13 1/2 HOLE. RIG CIRC APPROX 1/2 HR
Pump Water	08/21/2011 13:38		2	2			55.0	FILL LINES BEFORE TESTING

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pressure Test	08/21/2011 13:40		0.5	0.1			2800.0	HELD PRESSURE FOR 2 MIN, PRESSURE HELD, NO LEAKS.
Pump Spacer 1	08/21/2011 13:44		4	20			105.0	FRESH WATER, PUMPED AT 2 BPM UNTIL CEMENT TUB UP TO WEIGHT AND WEIGHED WITH SCALES, SPED RATE TO 4 BPM AT 16 BBLs GONE.
Pump Tail Cement	08/21/2011 13:54		6	116.5			275.0	310 SKS VERSACEM, 12.8 PPG, 2.11 CUFT/SK, 11.75 GAL/SK. STARTED AT 4 BPM THEN SPED TO 6 BPM AT 10 BBLs GONE
Shutdown	08/21/2011 14:13							
Drop Top Plug	08/21/2011 14:17							VARIFIED PLUG LEFT CONTAINER.
Pump Displacement	08/21/2011 14:18		10	76			570.0	FRESH WATER, CEMENT TO SURFACE AT 46 BBLs GONE, 30 BBLs OF CEMENT TO SURFACE. USED 40 LBS SUGAR.
Slow Rate	08/21/2011 14:26		2	66			270.0	SLOWED RATE TO 2 BPM TO BUMP PLUG.
Bump Plug	08/21/2011 14:31		2	76			970.0	PLUG LANDED AT 270 PSI, BUMPED UP TO 970 PSI AND HELD FOR 1 MIN PER CO REP.
Check Floats	08/21/2011 14:32							FLOATS HELD, WHEN RELEASED PRESSURE GOT 1/2 BBL OF WATER BACK TO TRUCK.
End Job	08/21/2011 14:33							GOOD RETURNS THROUGHOUT, DID NOT RECIPROCATATE PIPE. DID NOT USE SWAGE, TOOK SWAGE CHARGE OFF TICKET.

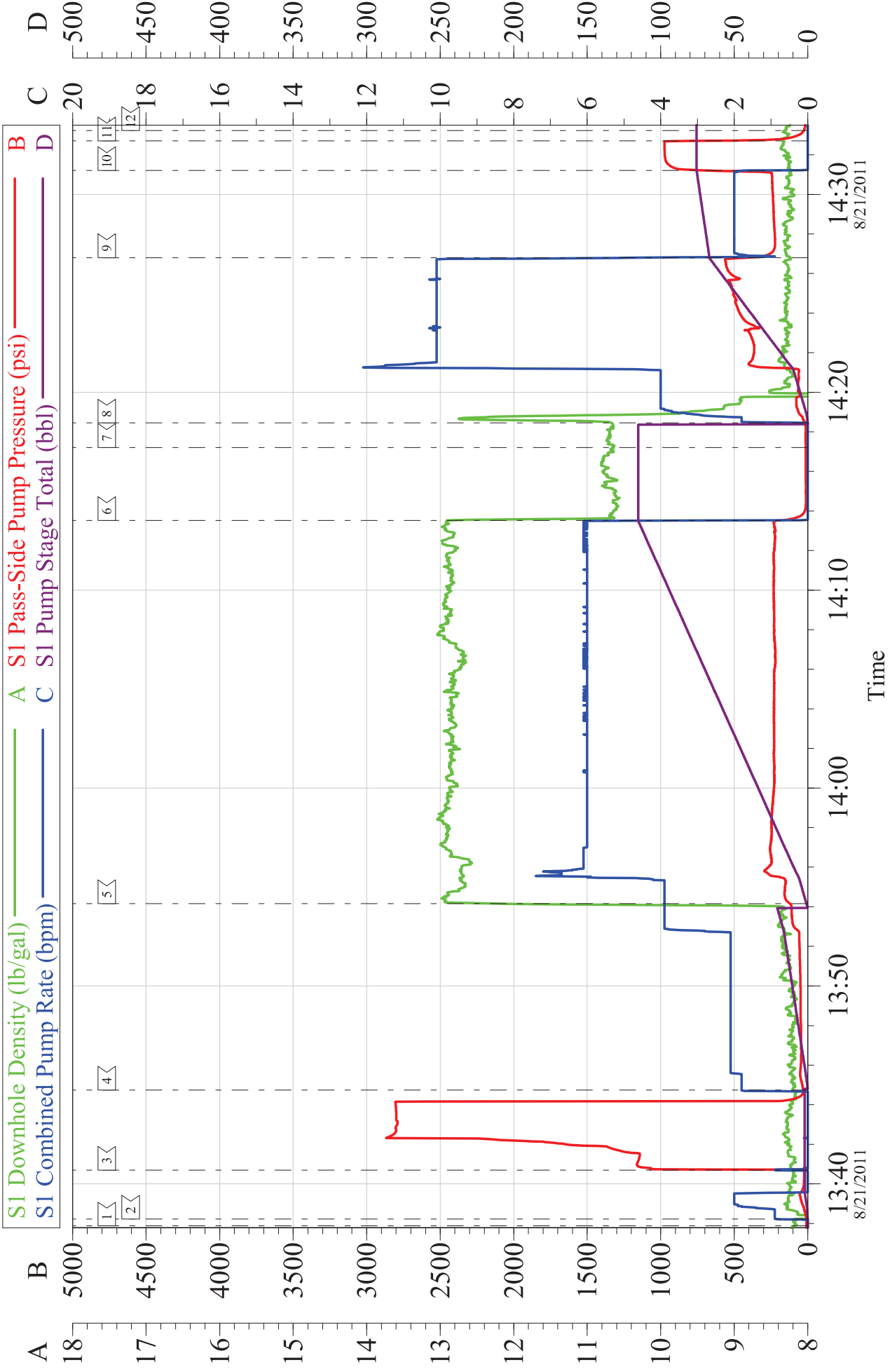
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Post-Job Safety Meeting (Pre Rig-Down)	08/21/2011 14:35							ENTIRE CREW
Rig-Down Equipment	08/21/2011 15:00							
Pre-Convoy Safety Meeting	08/21/2011 15:55							ENTIRE CREW, OBSERVE ALL SAFE DRIVING PROCEDURES
Crew Leave Location	08/21/2011 16:00							THANK YOU FOR USING HALLIBURTON, ERIC STILLSON AND CREW.

WILLIAMS 9 5/8 SURFACE



Customer: WILLIAMS	Job Date: 21-Aug-2011	Sales Order #: 8373920
Well Description: PA 433-20	Job Type: SURFACE	ADC Used: YES
Company Rep: JEREMY HARRISON	Cement Supervisor: ERIC STILLSON	Elite #: 3 RUSTY WEAVER

WILLIAMS 9 5/8 SURFACE



Customer: WILLIAMS Well Description: PA 433-20 Company Rep: JEREMY HARRISON	Job Date: 21-Aug-2011 Job Type: SURFACE Cement Supervisor: ERIC STILLSON	Sales Order #: 8373920 ADC Used: YES Elite #: 3 RUSTY WEAVER
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Sales Order #: 8373920	Line Item: 10	Survey Conducted Date: 8/21/2011
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-20248
Well Name: PA		Well Number: 433-20
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	8/21/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	ERIC STILLSON (HX26907)
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 <input type="checkbox"/>	Survey Conducted Date <input type="checkbox"/>
8373920	10	8/21/2011
Customer <input type="checkbox"/>		Job Type (<input type="checkbox"/> OM) <input type="checkbox"/>
WILLIAMS PRODUCTION RMT INC - EBUS		CMT SURFACE CASING BOM
Customer Representative <input type="checkbox"/>		API / UWI <input type="checkbox"/> (leave blank if unknown)
		05-045-20248
Well Name <input type="checkbox"/>		Well Number <input type="checkbox"/>
PA		433-20
Well Type <input type="checkbox"/>	Well Country <input type="checkbox"/>	
Development Well	United States of America	
H2S Present <input type="checkbox"/>	Well State <input type="checkbox"/>	Well County <input type="checkbox"/>
No	Colorado	Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	8/21/2011
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)	3
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
HSE Incident <input type="checkbox"/> Accident <input type="checkbox"/> 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	7
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

Sales Order <input type="checkbox"/>	Line Item <input type="checkbox"/>	Survey Conducted Date <input type="checkbox"/>
8373920	10	8/21/2011
Customer <input type="checkbox"/>		Job Type (<input type="checkbox"/>OM) <input type="checkbox"/>
WILLIAMS PRODUCTION RMT INC - EBUS		CMT SURFACE CASING BOM
Customer Representative <input type="checkbox"/>		API / UWI <input type="checkbox"/> (leave blank if unknown)
		05-045-20248
Well Name <input type="checkbox"/>		Well Number <input type="checkbox"/>
PA		433-20
Well Type <input type="checkbox"/>	Well Country <input type="checkbox"/>	
Development Well	United States of America	
H2S Present <input type="checkbox"/>	Well State <input type="checkbox"/>	Well County <input type="checkbox"/>
No	Colorado	Garfield

Primary Cement Job <input type="checkbox"/> Casing job, Liner job, or Tie-bac <input type="checkbox"/> job.	
Did We Run Wiper Plugs?	Top
Did We Run Top And Bottom Casing Wiper Plugs?	
Mixing Density of Job Stayed in Designed Density Range (0-100 <input type="checkbox"/>)	97
Density Range defined as <input type="checkbox"/> /- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	
Was Automated Density Control Used?	Yes
Was Automated Density Control (ADC) Used ?	
Pump Rate (percent) of Job Stayed At Designed Pump Rate	100
Pump Rate range defined as <input type="checkbox"/> /- 1bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped, multiplied by 100	
Nbr of Remedial Sq <input type="checkbox"/> Jobs Rqd <input type="checkbox"/> Competition	0
Number Of Remedial S <input type="checkbox"/> uee <input type="checkbox"/> e Jobs Re <input type="checkbox"/> quired After Primary Job Performed By Competition	
Nbr of Remedial Plug Jobs Rqd <input type="checkbox"/> HES	0
Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	
Nbr of Remedial Sq <input type="checkbox"/> Jobs Rqd <input type="checkbox"/> HES	0
Number Of Remedial S <input type="checkbox"/> uee <input type="checkbox"/> e Jobs Re <input type="checkbox"/> quired After Primary Job Performed By HES	