
WILLIAMS PRODUCTION RMT INC - EBUS

**KP 523-21
KOKOPELLI
Garfield County , Colorado**

Cement Surface Casing
01-Oct-2011

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 2835204		Quote #:		Sales Order #: 8489670	
Customer: WILLIAMS PRODUCTION RMT INC - EBUS				Customer Rep: Dunihoo, Al			
Well Name: KP			Well #: 523-21			API/UWI #: 05-045-20267	
Field: KOKOPELLI		City (SAP): SILT		County/Parish: Garfield		State: Colorado	
Lat: N 39.51 deg. OR N 39 deg. 30 min. 37.757 secs.				Long: W 107.557 deg. OR W -108 deg. 26 min. 33.155 secs.			
Contractor: Cyclone Drilling, Inc.			Rig/Platform Name/Num: Cylone 30				
Job Purpose: Cement Surface Casing							
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: KOHL, KYLE			Srv 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	6	412388	GOWEN, WESLEY M	6	496205	PONDER, THOMAS Lynn	6	427112
SINCLAIR, DAN J	6	338784						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10867304	60 mile	10872429	60 mile	10998054	60 mile	11259886	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
10/01/2011	6	2						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	01 - Oct - 2011	14:45	MST
Job depth MD	1071.3 ft		Job Depth TVD	Job Started	01 - Oct - 2011	18:30	MST
Water Depth			Wk Ht Above Floor	Job Completed	01 - Oct - 2011	19:20	MST
Perforation Depth (MD)	From		To	Departed Loc	01 - Oct - 2011	20:30	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				.	1090.		
9 5/8" Surface Casing	New		9.625	9.001	32.3		H-40	.	1071.3		

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	6.0	
2	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	315.0	sacks	12.8	2.11	11.75	8.0	11.75
	11.75 Gal	FRESH WATER							
3	Displacement Fluid		81.00	bbl	8.34	.0	.0	10.0	
Calculated Values		Pressures		Volumes					
Displacement	80.8	Shut In: Instant		Lost Returns	0	Cement Slurry	118.4	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	20	Actual Displacement	80.8	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	219.2
Rates									
Circulating	RIG	Mixing	8	Displacement	9	Avg. Job	8		
Cement Left In Pipe	Amount	44.4 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

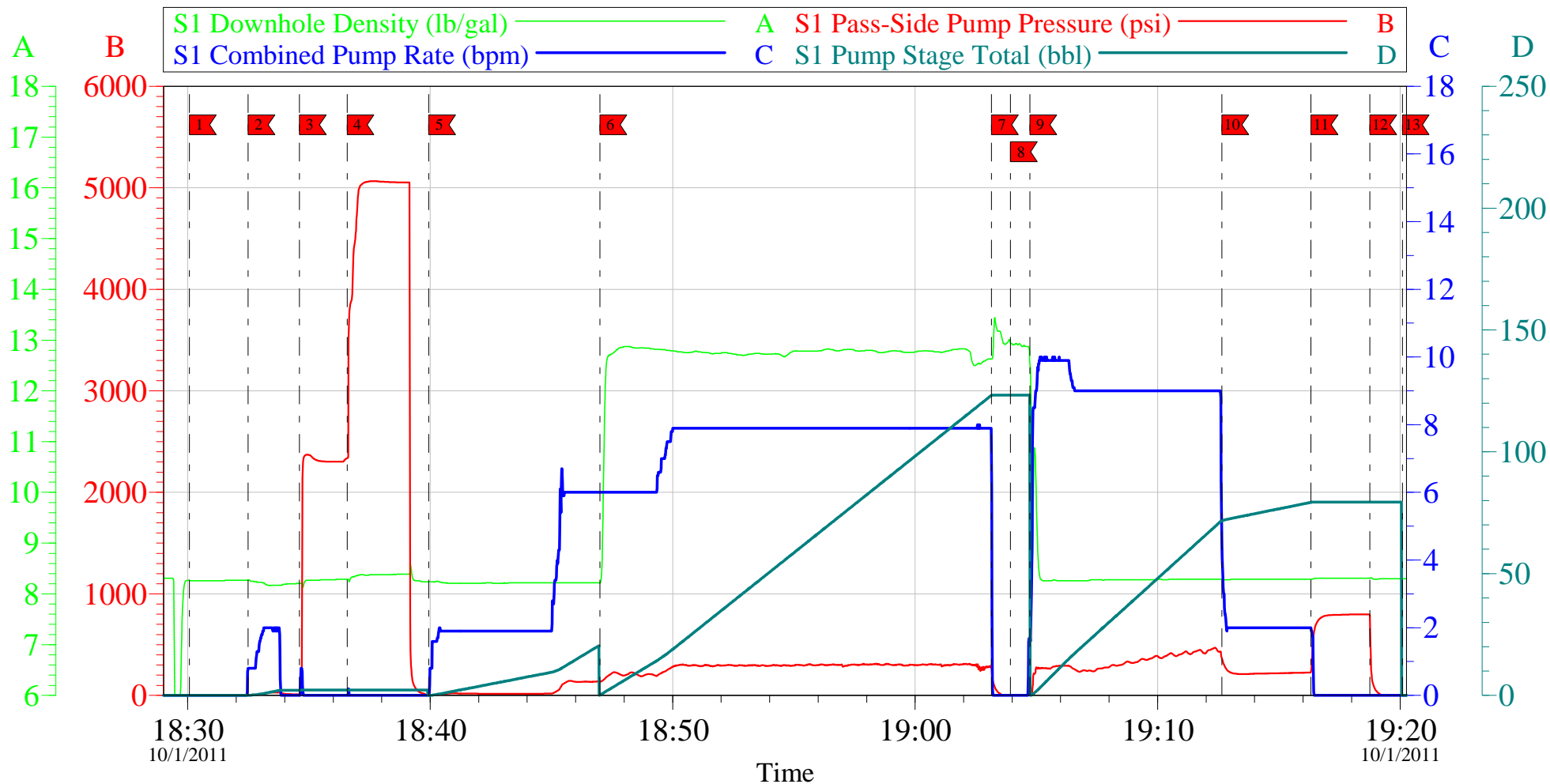
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Well Name: KP		Well #: 523-21	API/UWI #: 05-045-20267
Field: KOKOPELLI	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.51 deg. OR N 39 deg. 30 min. 37.757 secs.		Long: W 107.557 deg. OR W -108 deg. 26 min. 33.155 secs.	
Contractor: Cyclone Drilling, Inc.		Rig/Platform Name/Num: Cylone 30	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: KOHL, KYLE		Srv 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	10/01/2011 10:50							
Crew Leave Yard	10/01/2011 12:30							ALL HES PRESENT FOR PRE-CONVOY SAFETY HUDDLE
Arrive At Loc	10/01/2011 14:30							RIG WAS TILL PULLING DRILL PIPE WHEN THE CREW ARRIVED
Assessment Of Location Safety Meeting	10/01/2011 17:15							TD- 1090', TP- 1071.34', SJ- 44.4', MUD- 9.5 PPG, HOLE- 13 1/2", SURFACE CASING- 9 5/8" 32.3# H-40
Rig-Up Equipment	10/01/2011 17:30							1- 500 PICK UP, 1- ELITE PUMP TRUCK, 1- 660 CUFT BULK TRUCK, RIG STARTED CIRCULATION ON BOTTOM @ 1730
Safety Meeting	10/01/2011 18:00							ALL HES PRESENT, RIG CREW PRESENT
Start Job	10/01/2011 18:30							
Other	10/01/2011 18:32		2	2			29.0	FILL LINES
Test Lines	10/01/2011 18:34		0.1	0.1			5065.0	PRESSURE TEST GOOD
Pump Spacer 1	10/01/2011 18:39		6	20			144.0	FRESH WATER
Pump Tail Cement	10/01/2011 18:47		8	118.4			313.0	315 SKS 12.8 PPG 2.11 FT3/SK 11.75 GAL/SK
Shutdown	10/01/2011 19:03							

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Drop Plug	10/01/2011 19:03							PLUG DROP VERIFIED VIA TATTLE TELL BY CUSTOMER REP
Pump Displacement	10/01/2011 19:04		9	80.8			469.0	FRESH WATER, COULD NOT PULL WATER FAST ENOUGH TO GET 10 BPM ON DISPLACEMENT
Slow Rate	10/01/2011 19:12		2	70.8			211.0	GOOD CIRCULATION THROUGH OUT THE JOB, CIRCULATED 20 BBL OF CEMENT TO SURFACE
Bump Plug	10/01/2011 19:16		2	80.8			234.0	PLUG BUMPED
Check Floats	10/01/2011 19:18						799.0	FLOATS HELD, .5 BBL BACK TO THE DISPLACEMENT TANKS
End Job	10/01/2011 19:20							THANK YOU FOR CHOOSING HALLIBURTON, THOMAS PONDER AND CREW

WILLIAMS

KP 523-21, 9.625 IN SURFACE



Local Event Log			
Maximum	SPPP	Maximum	SPPP
1 START JOB	18:30:04 4.000	2 FILL LINES	18:32:29 29.00
4 HIGH TEST LINES	18:36:34 5065	5 PUMP H2O SPACER	18:39:56 144.0
7 SHUTDOWN	19:03:09 275.0	8 DROP PLUG	19:03:56 -5.000
10 SLOW RATE	19:12:39 366.0	11 BUMP PLUG	19:16:20 799.0
13 END JOB	19:20:06 -9.000	3 LOW TEST LINES	18:34:36 2372
		6 PUMP TAIL CEMENT	18:47:00 313.0
		9 PUMP H2O DISPLACEMENT	19:04:44 469.0
		12 CHECK FLOATS	19:18:45 799.0

Customer: **WILLIAMS**
 Well Description: **KP 523-21**
 Company Rep: **AL DUNIHO**

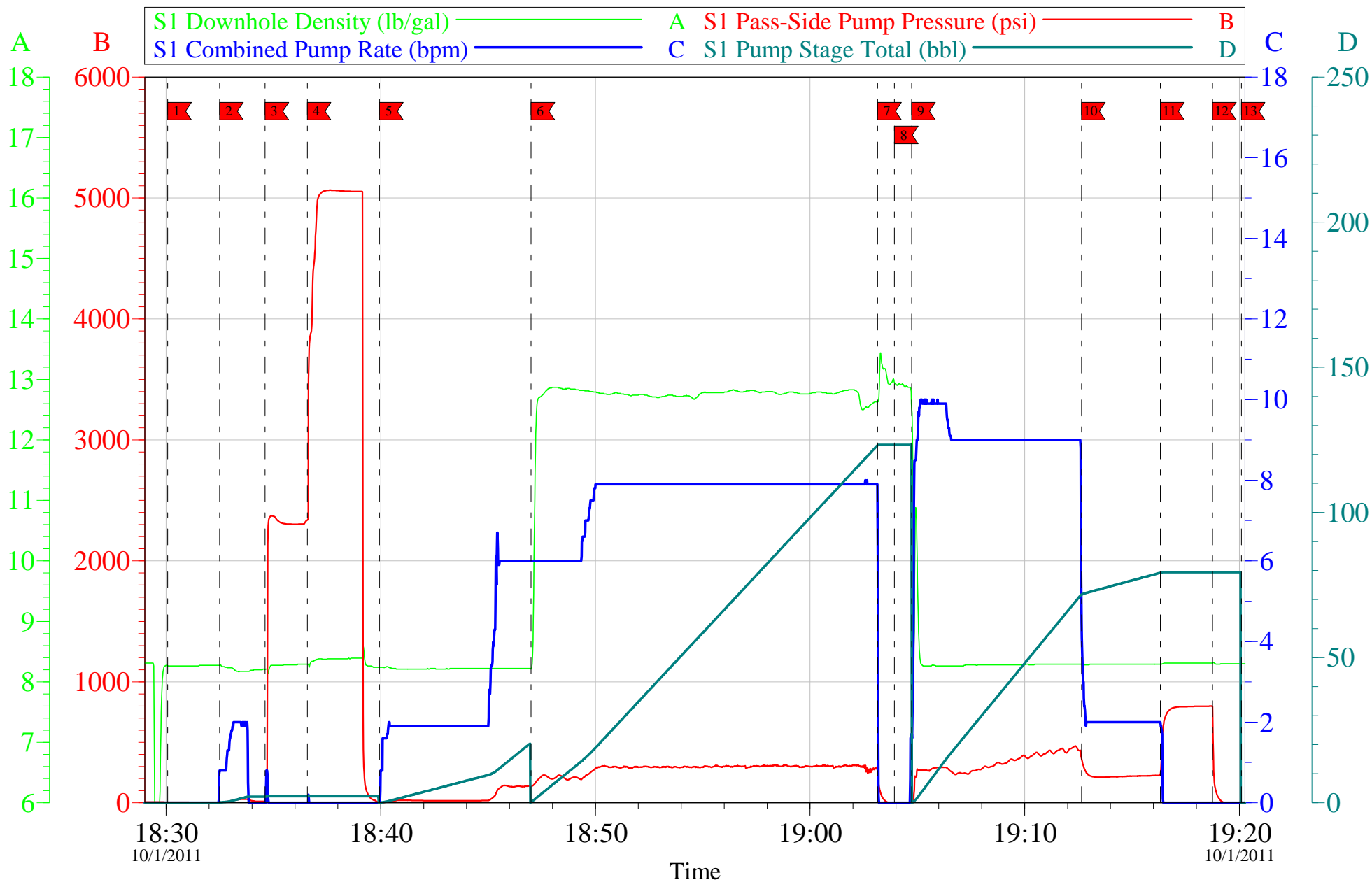
Job Date: **01-Oct-2011**
 Job Type: **SURFACE**
 Cement Supervisor: **THOMAS PONDER**

Sales Order #: **8489670**
 ADC Used: **YES**
 Elite #/Operator: **ELITE #7 / STEPHEN BORSZICH**

OptiCem v6.4.9
 01-Oct-11 19:20

WILLIAMS

KP 523-21, 9.625 IN SURFACE



Customer: WILLIAMS	Job Date: 01-Oct-2011	Sales Order #: 8489670
Well Description: KP 523-21	Job Type: SURFACE	ADC Used: YES
Company Rep: AL DUNIHO	Cement Supervisor: THOMAS PONDER	Elite #/Operator: ELITE #7 / STEPHEN BORSZICH

Sales Order #: 8489670	Line Item: 10	Survey Conducted Date: 10/1/2011
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNIHOO		API / UWI: (leave blank if unknown) 05-045-20267
Well Name: KP		Well Number: 523-21
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	10/1/2011
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)	Yes
Customer Representative	Enter the Customer representative name	AL DUNIHOO
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	GOOD JOB MEN!
Job DVA	Did we provide job DVA above our normal service today? Circle Y or N	No
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 #: 8489670	Line Item: 10	Survey Conducted Date: 10/1/2011
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) 05-045-20267
Well Name: KP		Well Number: 523-21
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	10/1/2011

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 highest deviation for the job you just completed? This may not be the maximum well deviation.	Deviated
Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	2
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 any period of time.	0
Was this a Primary Cement Job (Yes / No)	Yes

Sales Order #: 8489670	Line Item: 10	Survey Conducted Date: 10/1/2011
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Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) 05-045-20267
Well Name: KP		Well Number: 523-21
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	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	99
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