
WILLIAMS PRODUCTION RMT INC - EBUS

**KP 23-22
KOKOPELLI
Garfield County , Colorado**

**Cement Surface Casing
29-Jul-2011**

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2865654	Quote #:	Sales Order #: 8318164
Customer: WILLIAMS PRODUCTION RMT INC - EBUS	Customer Rep: Duniho, Al		
Well Name: KP	Well #: 23-22	API/UWI #: 05-045-20272	
Field: KOKOPELLI	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Lat: N 39.517 deg. OR N 39 deg. 30 min. 59.728 secs.	Long: W 107.544 deg. OR W -108 deg. 27 min. 20.286 secs.		
Contractor: CYCLONE 30	Rig/Platform Name/Num: Cyclone 30		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: KOHL, KYLE	Srvc Supervisor: SLAUGHTER, JESSE	MBU ID Emp #: 454315	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANDREWS, ANTHONY Michael	7	321604	ARNOLD, EDWARD John	7	439784	BATH, KYLE Thomas	7	477632
SLAUGHTER, JESSE Dean	7	454315						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10867304	60 mile	10998054	60 mile	11259884	60 mile	11560046	60 mile
11562538	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7/28/2011	.5		7/29/2011	6.5				

TOTAL Total is the sum of each column separately

Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	28 - Jul - 2011	19:30	MST
Form Type	BHST		Job Started	28 - Jul - 2011	23:30	MST
Job depth MD	883. ft	Job Depth TVD	Job Completed	29 - Jul - 2011	03:57	MST
Water Depth		Wk Ht Above Floor	Job Completed	29 - Jul - 2011	04:46	MST
Perforation Depth (MD)	From	To	Departed Loc	29 - Jul - 2011	06:30	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
Open Hole				8.75				.	935.		
Surface Casing	Unknown		9.625	9.001	32.3		H-40	.	919.2		

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	FRESH WATER	20.00	bbl	8.34	.0	.0	4	
2	Tail Cement	VERSACEM (TM) SYSTEM (452010)	260.0	sacks	12.8	2.11	11.75	8	11.75
	11.75 Gal	FRESH WATER							
3	Displacement Fluid	FRESH WATER	68.7	bbl	8.34	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	68.7	Shut In: Instant		Lost Returns	NO	Cement Slurry	97.7	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	30	Actual Displacement	68.7	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	186.4
Rates									
Circulating	15	Mixing	8	Displacement	10	Avg. Job	9		
Cement Left In Pipe	Amount	45.65 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

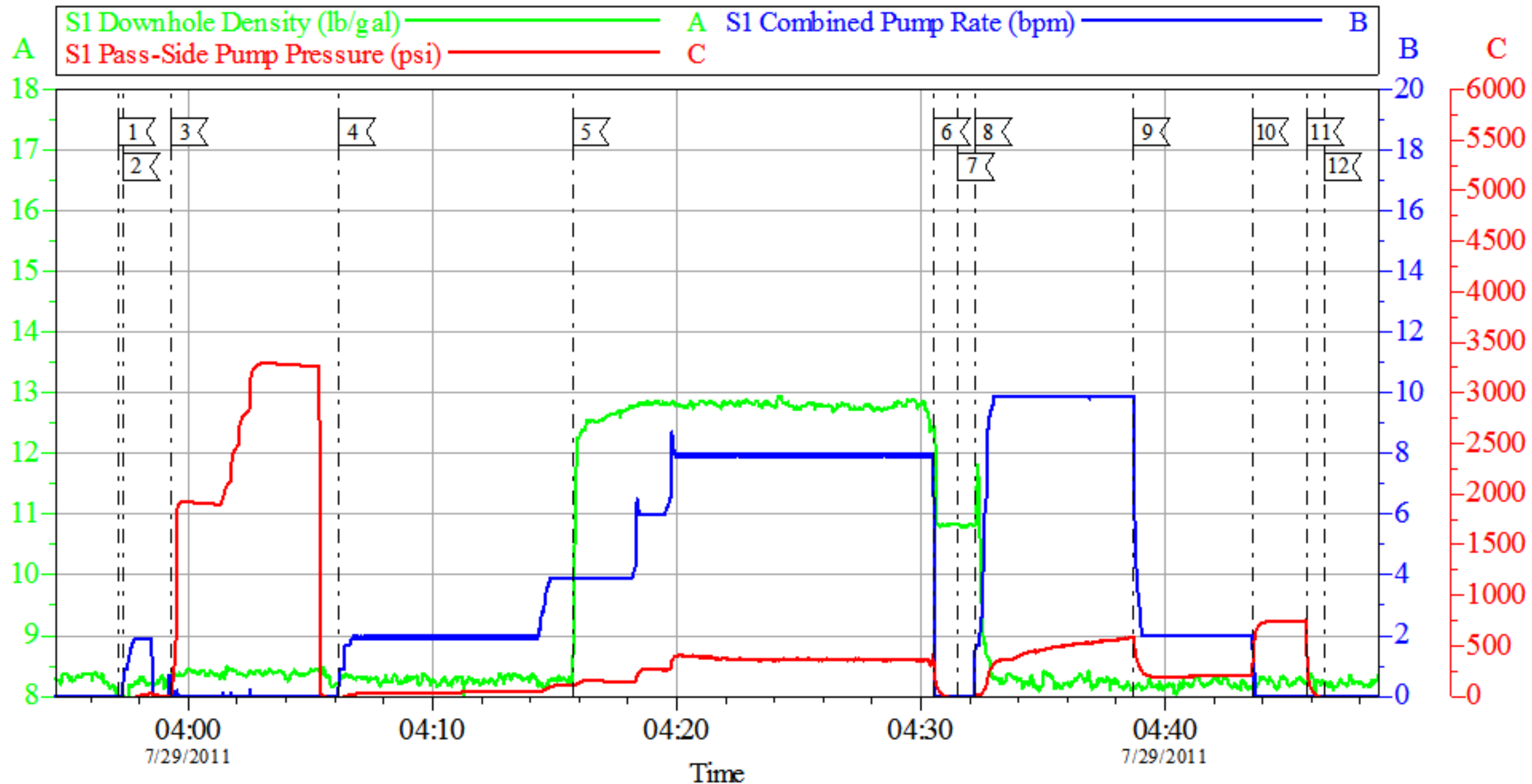
Sold To #: 300721	Ship To #: 2865654	Quote #:	Sales Order #: 8318164
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Well Name: KP	Well #: 23-22	API/UWI #: 05-045-20272	
Field: KOKOPELLI	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Legal Description:			
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Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: KOHL, KYLE		Srvc Supervisor: SLAUGHTER, JESSE	MBU ID Emp #: 454315

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Assessment Of Location Safety Meeting	07/28/2011 01:10							WITH ALL HES PERSONNEL
Other	07/28/2011 01:30							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	07/28/2011 01:50							WITH ALL HES PERSONNEL
Rig-Up Equipment	07/28/2011 02:00							
Pre-Job Safety Meeting	07/28/2011 03:40							WITH ALL PERSONNEL ON LOCATION
Call Out	07/28/2011 19:30							TD 935 FT, TP 919.18 FT, SHOE 45.65 FT, CSG 9 5/8 IN, HOLE 13 1/2 IN, MUD WT 9.6 PPG
Pre-Convoy Safety Meeting	07/28/2011 21:20							WITH ALL HES PERSONNEL
Crew Leave Yard	07/28/2011 21:30							
Arrive At Loc	07/28/2011 23:30							RIG WAS PULLING PIPE UPON HES ARRIVAL
Start Job	07/29/2011 03:57							
Other	07/29/2011 03:57		2	2			46.0	FILL LINES WITH FRESH WATER
Test Lines	07/29/2011 03:59							TESTED LINES TO 3100 PRESSURE HOLDING
Pump Spacer 1	07/29/2011 04:06			20				FRESH WATER
Pump Tail Cement	07/29/2011 04:15		8	97.7			380.0	260 SKS AT 12.8 PPG, 2.11 FT3/SK, 11.75 GAL/SK
Shutdown	07/29/2011 04:30							

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Drop Top Plug	07/29/2011 04:31							PLUG LAUNCHED
Pump Displacement	07/29/2011 04:32		10	58.7			480.0	FRESH WATER
Slow Rate	07/29/2011 04:38		2	10			240.0	SLOW RATE 10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	07/29/2011 04:43		2		68.7		745.0	PLUG BUMPED
Check Floats	07/29/2011 04:45							FLOATS HOLDING.
End Job	07/29/2011 04:46							PIPE WAS STATIC DURING JOB, GOOD CIRCULATION THROUGHOUT JOB
Pre-Rig Down Safety Meeting	07/29/2011 04:55							WITH ALL HES PERSONNEL
Rig-Down Equipment	07/29/2011 05:00							
Pre-Convoy Safety Meeting	07/29/2011 06:20							WITH ALL HES PERSONNEL
Crew Leave Location	07/29/2011 06:30							
Comment	07/29/2011 06:31							THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JESSE SLAUGHTER AND CREW.

WILLIAMS

KP 23-22, 9 5/8 SURFACE



Local Event Log

1 START JOB	03:57:09	2 PRIME LINES	03:57:19	3 TEST LINES	03:59:18
4 PUMP H2O SPACER	04:06:10	5 PUMP TAIL CEMENT	04:15:45	6 SHUTDOWN	04:30:31
7 DROP TOP PLUG	04:31:32	8 PUMP DISPLACEMENT	04:32:13	9 SLOW RATE	04:38:42
10 BUMP PLUG	04:43:35	11 CHECK FLOATS	04:45:48	12 END JOB	04:46:33

Customer: WILLIAMS
Well Description: KP 23-22
Customer Rep: AL DUNIHO

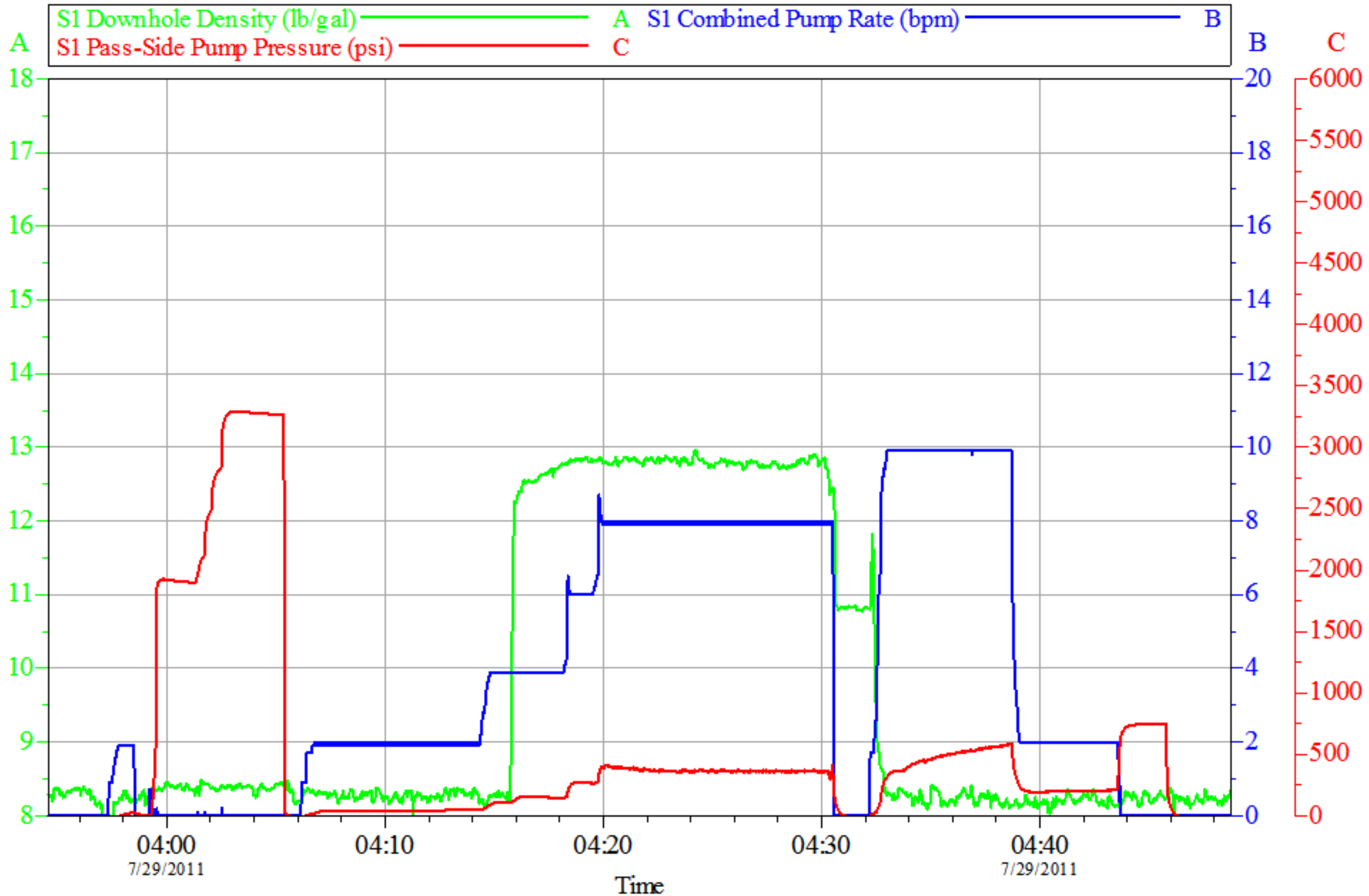
Job Date: 29-Jul-2011
Job Type: SURFACE
Service Supervisor: JESSE SLAUGHTER

Sales Order #: 8318164
ADC Used: YES
Pump #/Operator: 5/KYLE BATH

OptiCem v6.4.10
29-Jul-11 05:10

WILLIAMS

KP 23-22, 9 5/8 SURFACE



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Job Date: 29-Jul-2011
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Service Supervisor: JESSE SLAUGHTER

Sales Order #: 8318164
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OptiCem v6.4.10
29-Jul-11 05:10

Sales Order #: 8318164	Line Item: 10	Survey Conducted Date: 7/29/2011
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) 05-045-20272
Well Name: KP		Well Number: 23-22
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	7/29/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	JESSE SLAUGHTER (HB21762)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	AL DUNIHO
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

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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	7/29/2011

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.	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.	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

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Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) 05-045-20272
Well Name: KP		Well Number: 23-22
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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	98
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