

WILLIAMS PRODUCTION RMT INC - EBUS
DO NOT MAIL - PO BOX 21218
TULSA, Oklahoma

KP 511-22

CYCLONE 30

Post Job Summary

Cement Surface Casing

Prepared for: AL DUNIHOO
Date Prepared: 7.3.2011
Version: 1

Service Supervisor: ARNOLD, EDWARD

Submitted by:

HALLIBURTON

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2858664	Quote #:	Sales Order #: 8232660
Customer: WILLIAMS PRODUCTION RMT INC - EBUS	Customer Rep: DUNIHO, AL		
Well Name: KP	Well #: 511-22	API/UWI #: 05-045-20265	
Field: KOKOPELLI	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Lat: N 39.517 deg. OR N 39 deg. 31 min. 0.005 secs.	Long: W 107.544 deg. OR W -108 deg. 27 min. 19.966 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	Srv Supervisor: ARNOLD, EDWARD	MBU ID Emp #: 439784	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ARNOLD, EDWARD John	7	439784	BRENNECKE, ANDREW Bailey	7	486345	CUNNINGHAM, TANNER Wade	7	445660
KUKUS, CHRISTOPHER A	7	413952						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10829465	60 mile	10867094	60 mile	10897925	60 mile	11360871	60 mile
11542767	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7.2.2011	2	.5	7.3.2011	5	2.5			

TOTAL	Total is the sum of each column separately							
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Job

Job Times

Formation Name							Date	Time	Time Zone
Formation Depth (MD)	Top			Bottom		Called Out	02 - Jul - 2011	18:00	MST
Form Type				BHST		On Location	02 - Jul - 2011	22:00	MST
Job depth MD	930. ft		Job Depth TVD		930. ft	Job Started	03 - Jul - 2011	03:21	MST
Water Depth			Wk Ht Above Floor		3. ft	Job Completed	03 - Jul - 2011	04:07	MST
Perforation Depth (MD)	From			To		Departed Loc	03 - Jul - 2011	05:00	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				13.5				.	930.		
Surface Pipe	Unknown		9.625	9.001	32.3		H-40	.	912.7		

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	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		20.00	bbl	8.34	.0	.0	4	
2	Tail Cement	VERSACEM (TM) SYSTEM (452010)	250.0	sacks	12.8	2.11	11.75	8	11.75
11.75 Gal		FRESH WATER							
3	Displacement Fluid		68.00	bbl	8.34	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	68.2	Shut In: Instant		Lost Returns	0	Cement Slurry	93.9	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	20	Actual Displacement	68.2	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	182.1
Rates									
Circulating	Rig	Mixing	8	Displacement	10	Avg. Job	9		
Cement Left In Pipe	Amount	45.9 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 #: 511-22			API/UWI #: 05-045-20265	
Field: KOKOPELLI		City (SAP): SILT		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39.517 deg. OR N 39 deg. 31 min. 0.005 secs.				Long: W 107.544 deg. OR W -108 deg. 27 min. 19.966 secs.			
Contractor: CYCLONE 30			Rig/Platform Name/Num: CYCLONE 30				
Job Purpose: Cement Surface Casing						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: KOHL, KYLE			Srvc Supervisor: ARNOLD, EDWARD			MBU ID Emp #: 439784	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	07/02/2011 18:30							
Pre-Convoy Safety Meeting	07/02/2011 19:45							Including entire cement crew
Crew Leave Yard	07/02/2011 20:00							
Arrive At Loc	07/02/2011 22:00							Rig still pulling pipe.
Assessment Of Location Safety Meeting	07/02/2011 22:30							Water Test: Ph 7; KCL 0; S04 <200; Fe 0; Chlorides 0; Calcium 120; Temp 74; 250 TDS.
Pre-Rig Up Safety Meeting	07/02/2011 22:45							Including entire cement crew
Rig-Up Equipment	07/02/2011 23:00							1 Elite # 1; 1 660 bulk truck; 1 hard line from pump to floor; 1 lines to upright. 9.625" compact head; #0709
Rig-Up Completed	07/02/2011 23:30							
Pre-Job Safety Meeting	07/03/2011 03:10							Including everyone on location
Start Job	07/03/2011 03:21							TD 930; TP 912.66; SJ 45.98; OH 13.5; CASING 9 5/8 32.3#; MUD 9.8 ppg;
Other	07/03/2011 03:22		2	2			48.0	Fill lines with fresh water.
Pressure Test	07/03/2011 03:25			0.5			2400.0	PSI test good, no leaks.
Pump Spacer 1	07/03/2011 03:29		4	20			105.0	20 BBL fresh water.
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Sold To # : 300721

Ship To # :2858664

Quote # :

Sales Order # :

8232660

SUMMIT Version: 7.20.130

Friday, July 08, 2011 02:34:00

Cementing Job Log

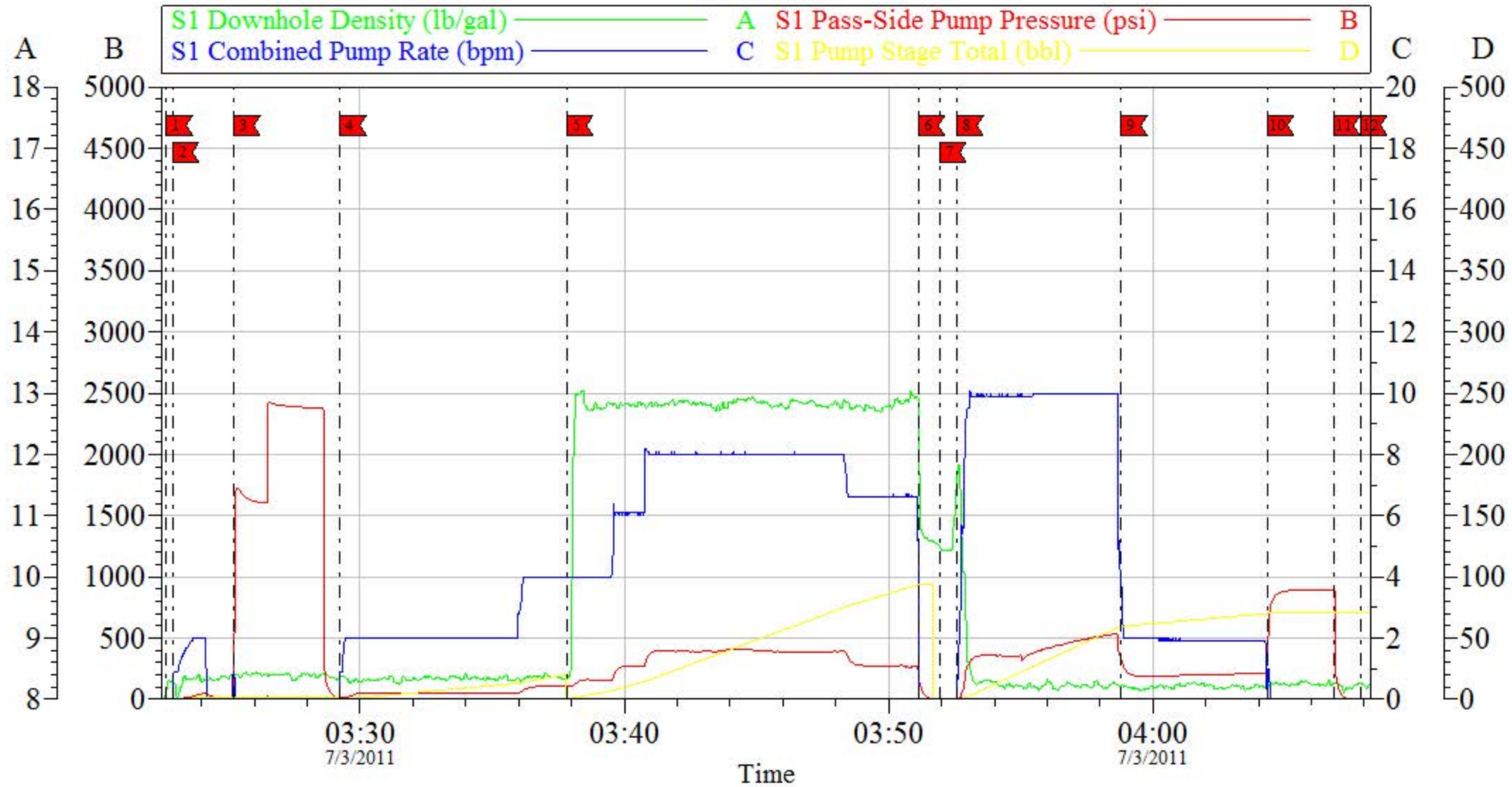
Pump Tail Cement	07/03/2011 03:37		8	93.9			392.0	250 SKs Tail cement, 12.8 ppg; 2.11 cf3; 11.75 gal/sk. Slowed Rate at end to keep good density.
Shutdown	07/03/2011 03:51							
Drop Plug	07/03/2011 03:52							Plug left container.
Pump Displacement	07/03/2011 03:53		10	58.2			515.0	Fresh Water Displacement
Slow Rate	07/03/2011 03:58		4	10			203.0	Slow rate last ten BBLs
Bump Plug	07/03/2011 04:04				68.2		889.0	Bumped plug took 500 psi over.
Check Floats	07/03/2011 04:06							Floats held. 1 BBL back. 20 BBL of good cement to surface.
End Job	07/03/2011 04:07							
Pre-Rig Down Safety Meeting	07/03/2011 04:10							Including entire cement crew.
Rig-Down Equipment	07/03/2011 04:15							
Rig-Down Completed	07/03/2011 04:45							
Pre-Convoy Safety Meeting	07/03/2011 04:50							Including entire cement crew.
Depart Location for Service Center or Other Site	07/03/2011 05:00							
Other	07/03/2011 05:00							Thank You for using Halliburton. Ed Arnold and crew.

EVENT #	EVENT	VOLUME	SACKS	WEIGHT	YIELD	GAL/ SK
1	Start Job					
4	FILL LINES	2				
6	Test Lines	2500.0				
9	H2O Spacer	20.0				
15	TAIL CEMENT	93.9	250	12.8	2.11	11.75
11	SHUTDOWN					
32	DROP TOP PLUG					
25	DISPLACEMENT	68.2				
1085	SLOW RATE	58.2	2 BBL/MIN			
26	LAND PLUG	201.0				
511	CHECK FLOATS	701.0				
2	END JOB		Do Not Overdisplace			
DISPLACEMENT	TOTAL PIPE	SHOE JOINT LENGTH		FLOAT COLLAR	BBL/FT	H2O REQ.
68.21	912.66	45.98		866.68	0.0787	208
		9 5/8 SURFACE				
PSI to Lift	330.00					
CALCULATED PSI LAND		201		TOTAL FLUID PUMPED		184
Collapse	1400	Burst	2270		SO#	8232600

WILLIAMS

9.625 Surface

KP 511-22



Customer: Williams
Well Description: KP 5211-22
Company Rep: Al Duniho

Job Date: 03-Jul-2011
Job Type: 9 5/8 Surface
Cement Supervisor: Ed Arnold

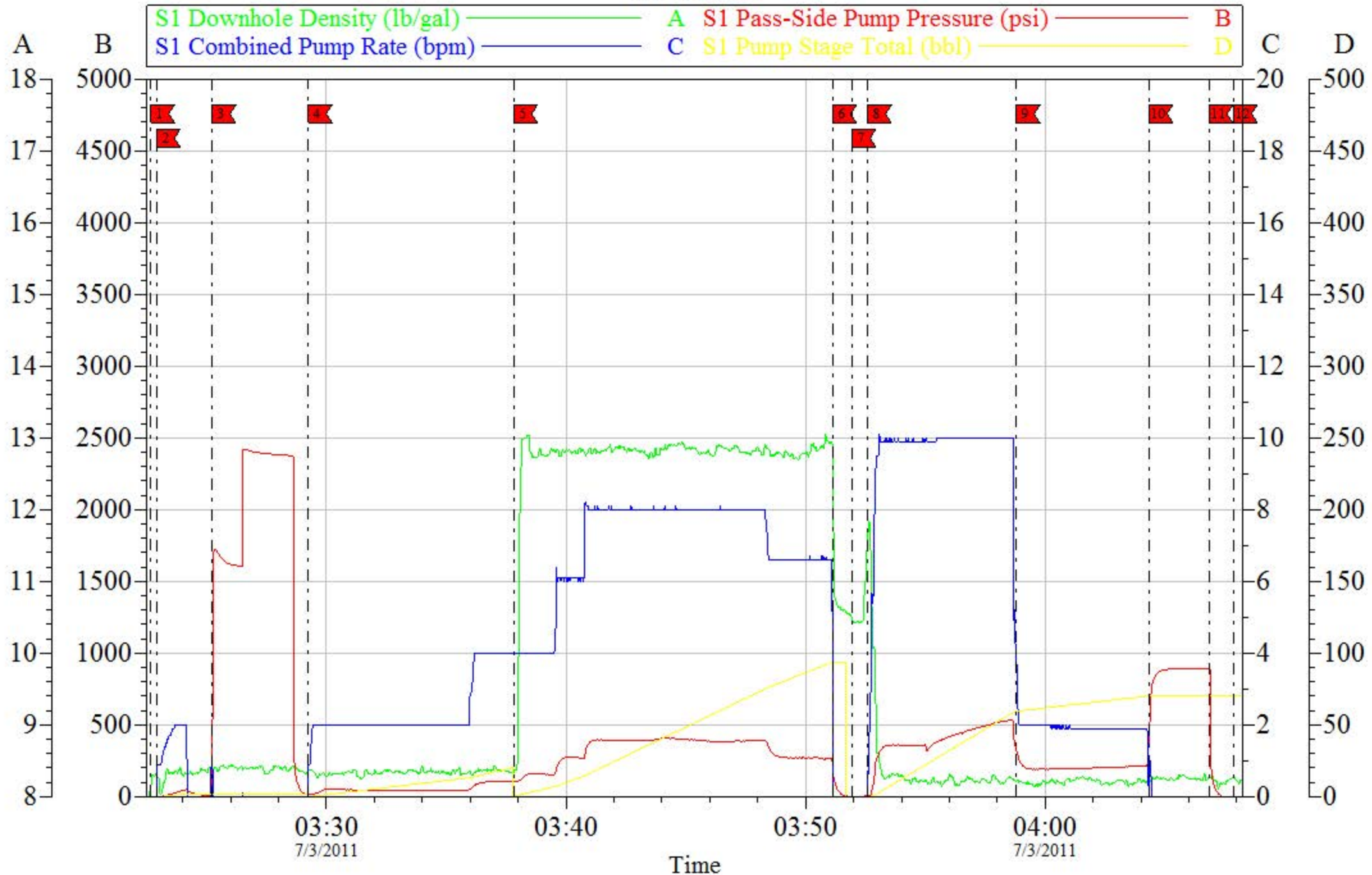
Sales Order #: 8232660
ADC Used: Yes
Elite # 1: Tanner C./ Andrew B.

OptiCem v6.4.10
03-Jul-11 04:17

WILLIAMS

9.625 Surface

KP 511-22



Customer: Williams	Job Date: 03-Jul-2011	Sales Order #: 8232660
Well Description: KP 5211-22	Job Type: 9 5/8 Surface	ADC Used: Yes
Company Rep: Al Duniho	Cement Supervisor: Ed Arnold	Elite # 1: Tanner C./ Andrew B.

OptiCem v6.4.10
03-Jul-11 04:17

HALLIBURTON

Water Analysis Report

Company: Williams
Submitted by: Ed Arnold
Attention: J.TROUT
Lease: KP
Well #: 511-22

Date: 7/3/2011
Date Rec.: 7/3/2011
S.O.#: 8232660
Job Type: Surface

Specific Gravity	<i>MAX</i>	<i>1</i>
pH	<i>8</i>	<i>7</i>
Potassium (K)	<i>5000</i>	<i>0</i> Mg / L
Calcium (Ca)	<i>500</i>	<i>120</i> Mg / L
Iron (FE2)	<i>300</i>	<i>0</i> Mg / L
Chlorides (Cl)	<i>3000</i>	<i>0</i> Mg / L
Sulfates (SO ₄)	<i>1500</i>	<i><200</i> Mg / L
Chlorine (Cl ₂)		<i>0</i> Mg / L
Temp	<i>40-80</i>	<i>74</i> Deg
Total Dissolved Solids		<i>250</i> Mg / L

Respectfully: Ed Arnold

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

NOTICE:

This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report or i

Sales Order #: 8232660	Line Item: 10	Survey Conducted Date: 7/3/2011
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) 05-045-20265
Well Name: KP		Well Number: 511-22
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	7/3/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	EDWARD ARNOLD (HX46731)
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

Sales Order #: 8232660	Line Item: 10	Survey Conducted Date: 7/3/2011
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Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) 05-045-20265
Well Name: KP		Well Number: 511-22
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	7/3/2011

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.	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	5
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) 05-045-20265
Well Name: KP		Well Number: 511-22
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	95
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