
WILLIAMS PRODUCTION RMT INC - EBUS

**KP 41-28
KOKOPELLI
Garfield County , Colorado**

Cement Surface Casing

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2884184	Quote #:	Sales Order #: 8542161
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Customer Rep: Dunihoo, Al	
Well Name: KP	Well #: 41-28	API/UWI #: 05-045-20702	
Field: KOKOPELLI	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.506 deg. OR N 39 deg. 30 min. 20.146 secs.		Long: W 107.552 deg. OR W -108 deg. 26 min. 54.272 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: ROSS, CHARLES	MBU ID Emp #: 453128

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	11/06/2011 08:00							
Pre-Convoy Safety Meeting	11/06/2011 10:50							WITH ALL HES EE'S
Depart from Service Center or Other Site	11/06/2011 11:00							
Arrive at Location from Service Center	11/06/2011 13:00							
Assessment Of Location Safety Meeting	11/06/2011 13:30							WITH ALL HES EE'S
Pre-Rig Up Safety Meeting	11/06/2011 13:50							WITH ALL HES EE'S
Rig-Up Equipment	11/06/2011 14:00							1-F550 PICKUP, 1-ELITE PUMP TRUCK, 1-660 CEMENT BULK TRUCK, 1-CEMENT BODYLOAD, 1-HARD LINE TO RIG AND WASH UP OUT TO THE PIT FROM MANIFOLD, 1- 9 5/8" PLUG CONTAINER. WASH UP ON TOP OF THE PLUG.
Pre-Job Safety Meeting	11/06/2011 18:45							WITH ALL HES EE'S AND RIG CREW
Start Job	11/06/2011 19:02							TD 1390, 9 5/8 32.3# CASING SET @ 1374, SJ 44.02, FC 1330 MW# 9.8, RIG CIRCULATED 30 MIN PRIOR TO CEMENT JOB, HEAD AND CASING CHAINED DOWN BECAUSE OF PSI TO LIFT

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Water	11/06/2011 19:03		2	2			52.0	FILL LINES, FRESH WATER
Test Lines	11/06/2011 19:04							TEST TO 3000 PSI
Pump Spacer 1	11/06/2011 19:09		4	20			106.0	FRESH WATER
Pump Lead Cement	11/06/2011 19:19		6	103.9			235.0	245 SKS OF VERSACEM PUMPED @ 12.3 PPG, YIELD 2.38, WATER 13.75
Pump Tail Cement	11/06/2011 19:41		6	60.1			123.0	160 SKS OF VERSACEM PUMPED @ 12.8 PPG, YIELD 2.11, WATER 11.75
Shutdown	11/06/2011 19:56							
Drop Plug	11/06/2011 20:03							TOP PLUG, PLUG WENT
Pump Displacement	11/06/2011 20:03		10	94			450.0	FRESH WATER.
Slow Rate	11/06/2011 20:17		2	10			269.0	INITIALLY RATE SLOWED TO 6.6 BPM BECAUSE RIG PUMP IN CELLAR COULD NOT KEEP UP. THEN RATE SLOWED 10 BBL PRIOR TO CALCULATED DISPLACEMENT.
Bump Plug	11/06/2011 20:23		2		104.7		290.0	PLUG LANDED. PRESSURED UP TO 815 PSI.
Check Floats	11/06/2011 20:25							FLOATS HELD
End Job	11/06/2011 20:26							GOOD RETURNS THROUGHOUT JOB, NO MOVEMENT OF PIPE THROUGHOUT JOB, SOME COLOR PRIOR TO 84 BBLS PUMPED, 20 BBLS OF CEMENT CIRCULATED TO THE PIT=47 SKS
Post-Job Safety Meeting (Pre Rig-Down)	11/06/2011 20:31							WITH ALL HES EE'S
Rig-Down Equipment	11/06/2011 20:35							
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

		#		Stage	Total	Tubing	Casing	
Pre-Convoy Safety Meeting	11/06/2011 21:35							WITH ALL HES EE'S
Depart Location for Service Center or Other Site	11/06/2011 21:40							THANKS FOR USING GRAND JUNCTION HALLIBURTON CEMENT DEPARTMENT, CHUCK ROSS AND CREW

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Field: KOKOPELLI	City (SAP): SILT	County/Parish: Garfield	State: Colorado
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Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: KOHL, KYLE	Srv Supervisor: ROSS, CHARLES	MBU ID Emp #: 453128	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BECK, MICHAEL George	9	489151	DOUT, JACOB J	9	430298	ROSS, CHARLES Raymond	9	453128
SPARKS, CLIFFORD Paul	9	502476						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248057	60 mile	10551730C	60 mile	10564022	60 mile	10784064	60 mile
10973571	60 mile	11006314	60 mile	11259881	60 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
11/6/2011	8	2						
TOTAL	Total is the sum of each column separately							

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To	Called Out	Date	Time	Time Zone
				BHST	1390. ft	1390. ft						06 - Nov - 2011	08:00	MST
											On Location	06 - Nov - 2011	13:00	MST
											Job Started	06 - Nov - 2011	19:02	MST
											Job Completed	06 - Nov - 2011	20:23	MST
											Departed Loc	06 - Nov - 2011	21:40	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				.	1390.		
9 5/8" Surface Casing	New		9.625	9.001	32.3		H-40	.	1374.		

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			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9 5/8"	1	
Stage Tool										Centralizers			

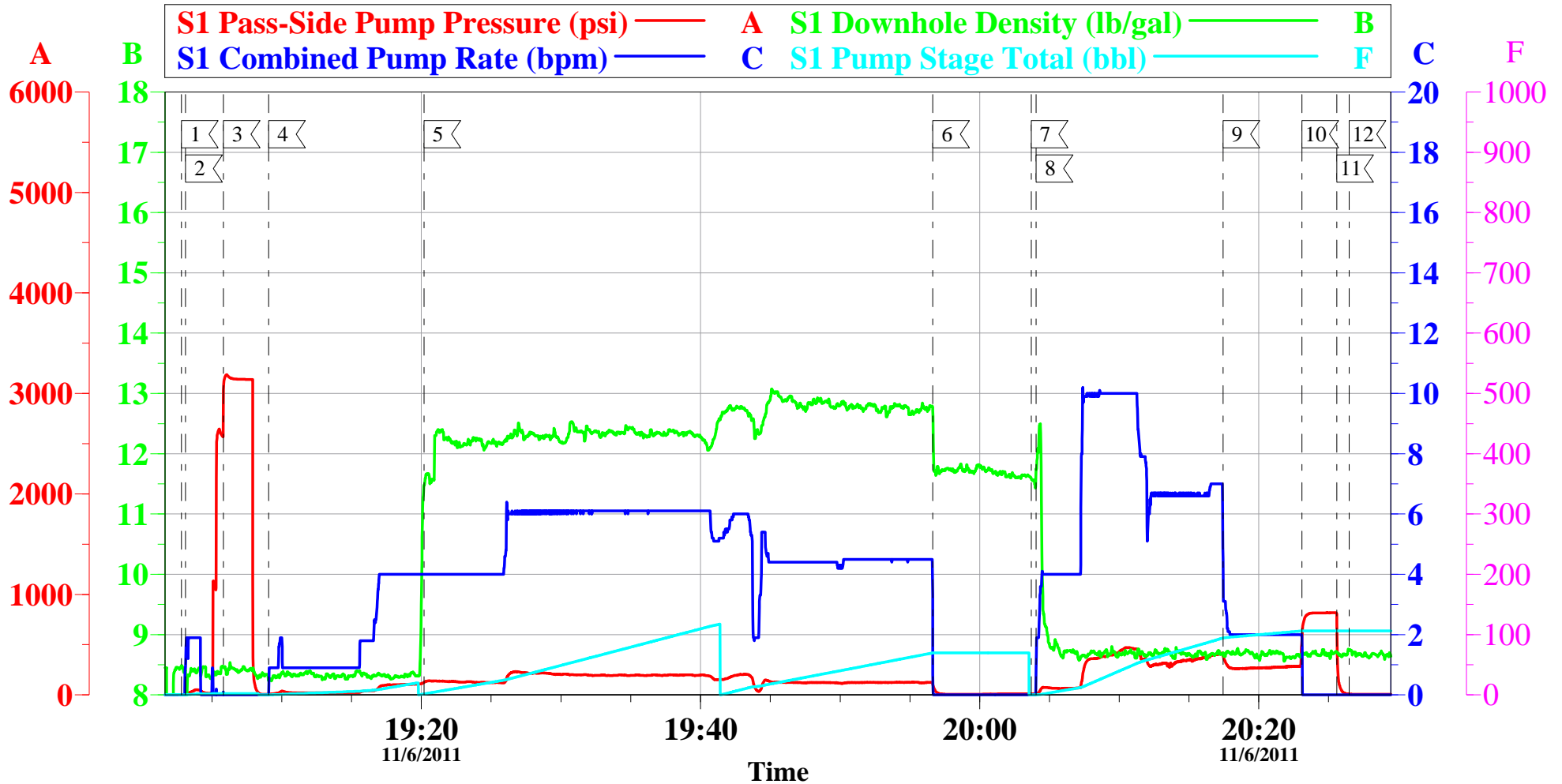
Miscellaneous Materials

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	8.34	.0	.0	.0		
2	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	245.0	sacks	12.3	2.38	13.75		13.75	
13.75 Gal		FRESH WATER								
3	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75		11.75	
11.75 Gal		FRESH WATER								
4	Displacement Fluid		104.00	bbl	8.34	.0	.0	.0		
Calculated Values		Pressures		Volumes						
Displacement	104.7	Shut In: Instant		Lost Returns	NONE	Cement Slurry	164	Pad		
Top Of Cement	SURFACE	5 Min		Cement Returns	20	Actual Displacement	104.7	Treatment		
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	290	
Rates										
Circulating	13	Mixing	6	Displacement	10	Avg. Job	3.2			
Cement Left In Pipe	Amount	44 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						

Williams - KP 41-28

Surface



Local Event Log

1 START JOB	19:02:48	2 FILL LINES	19:03:06	3 PRESSURE TEST	19:05:49
4 PUMP SPACER	19:09:03	5 PUMP CEMENT	19:20:11	6 SHUT DOWN	19:56:38
7 DROP PLUG	20:03:41	8 PUMP DISPLACEMENT	20:04:03	9 SLOW RATE	20:17:26
10 BUMP PLUG	20:23:05	11 CHECK FLOATS	20:25:35	12 END JOB	20:26:28

Customer: Williams
Well Description: KP 41-28
Customer Rep: Al Duniho

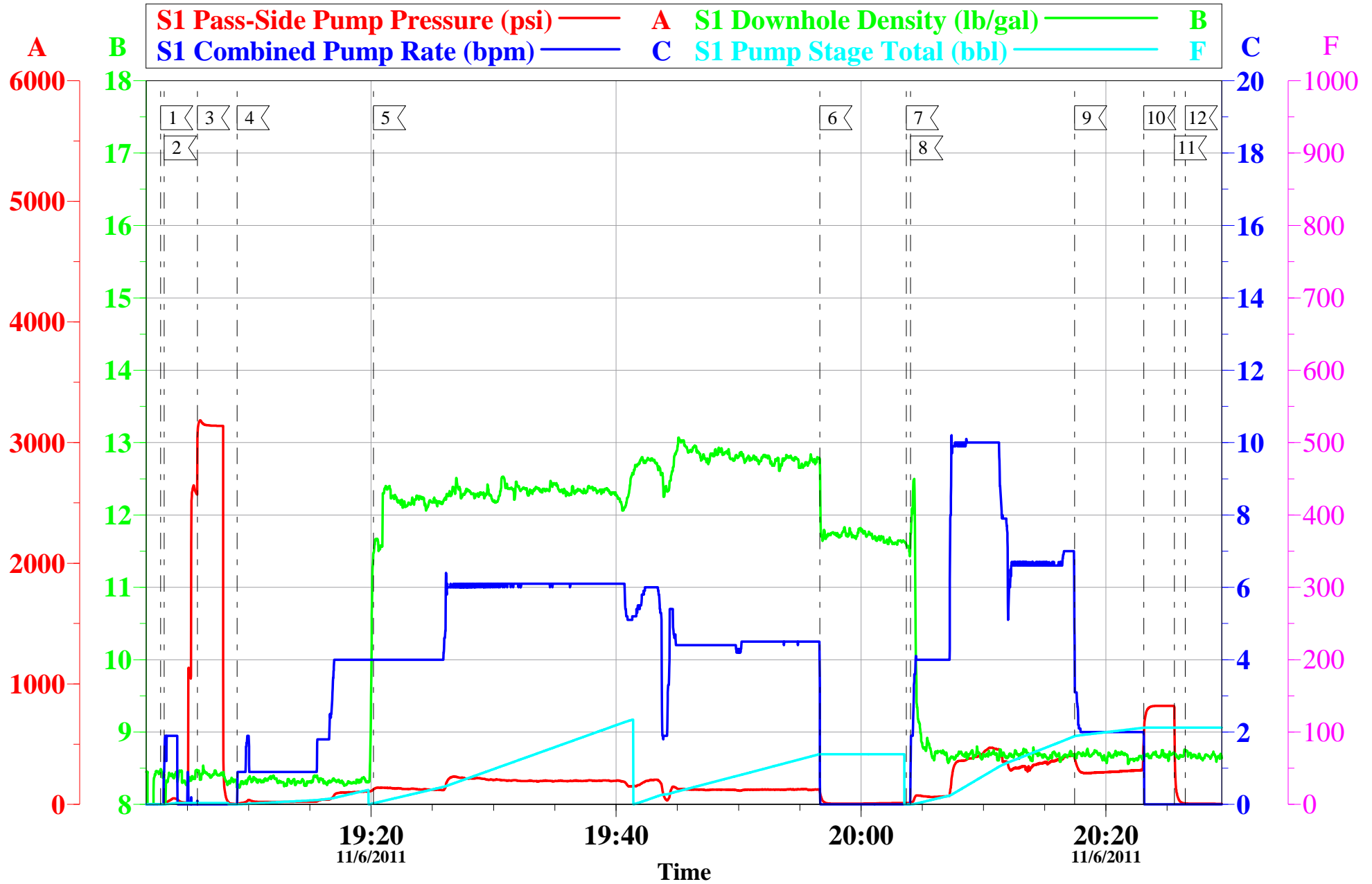
Job Date: 06-Nov-2011
Job type: Surface
Service Supervisor: Chuck Ross

Sales Order #: 8542161
ADC Used: Yes
Operator/ Pump: Jacob Dout

OptiCem v6.4.10
06-Nov-11 20:47

Williams - KP 41-28

Surface



Customer: Williams	Job Date: 06-Nov-2011	Sales Order #: 8542161
Well Description: KP 41-28	Job type: Surface	ADC Used: Yes
Customer Rep: Al Duniho	Service Supervisor: Chuck Ross	Operator/ Pump: Jacob Dout

OptiCem v6.4.10
06-Nov-11 20:47

EVENT #	EVENT	VOLUME	SACKS	WEIGHT	YIELD	GAL/ SK
1	Start Job		1120 <u>Max Psi</u>			
6	Test Lines	2500.0				
9	H2O Spacer	20.0				
	Lead Cement	103.9	245	12.3	2.38	13.75
15	Tail Cement	60.1	160	12.8	2.11	11.75
22	Drop Plug	0.0				
23	Displace with H2O	104.7				
26	Land Plug	285.2	500 over			
2	Release Psi / Job Over	0.0				
			Do Not Overdisplace			
DISPLACEMENT	TOTAL PIPE	SHOE JOINT LENGTH		FLOAT COLLAR	BBL/FT	H2O REQ.
104.67	1374	44.02		1329.98	0.0787	280
Pressure to Lift	518	***** <u>Use Mud Scales on Each Tier</u> *****				
Total Displacement	104.67					
CALCULATED DIFFERENTIAL PSI		285		TOTAL FLUID PUMPED		289
Collapse	1400	Burst	2270		SO#	8542161

Sales Order #: 8542161	Line Item: 10	Survey Conducted Date: 11/6/2011
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) 05-045-20702
Well Name: KP		Well Number: 41-28
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	11/6/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CHARLES ROSS (HB20648)
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 !

CUSTOMER SIGNATURE

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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	11/6/2011

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.	7.5
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.	1.5
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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Well Name: KP		Well Number: 41-28
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	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	98
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