
WILLIAMS PRODUCTION RMT INC - EBUS

**KP 441-28
MAMM CREEK
Garfield County , Colorado**

Cement Surface Casing
17-Nov-2011

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2885809	Quote #:	Sales Order #: 9000010
Customer: WILLIAMS PRODUCTION RMT INC - EBUS	Customer Rep: Duniho, Al		
Well Name: KP	Well #: 441-28	API/UWI #: 05-045-20695	
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Lat: N 39.506 deg. OR N 39 deg. 30 min. 20.088 secs.	Long: W 107.552 deg. OR W -108 deg. 26 min. 54.377 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: ANGLESTEIN, TROY	MBU ID Emp #: 436099	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANGLESTEIN, TROY Edward WM	11	436099	COURTNEY, TREVOR	11	509351	JENSEN, SHANE Lynn	11	441759
KEANE, JOHN Donovon	11	486519	VANALSTYNE, TROY L	11	420256			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10551730C	60 mile	10783493	60 mile	10784080	60 mile	10804579	60 mile
10822007	60 mile	10876398	60 mile	10951245	60 mile	10973571	60 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
11/17/2011	11	1						

TOTAL	Total is the sum of each column separately							
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Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	16 - Nov - 2011	20:30	MST
Form Type		BHST	Job Started	17 - Nov - 2011	01:00	MST
Job depth MD	1350. ft	Job Depth TVD	Job Completed	17 - Nov - 2011	10:12	MST
Water Depth		Wk Ht Above Floor	Departed Loc	17 - Nov - 2011	11:06	MST
Perforation Depth (MD)	From	To			12:30	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 SECTION				13.5				.	1350.		
SURFACE CASING	Unknown		9.625	9.001	32.3		H-40	.	1333.7		

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	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		20.00	bbl	8.34	.0	.0	6	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	205.0	sacks	12.3	2.38	13.75	8	13.75
	13.75 Gal	FRESH WATER							
3	Tail Cement	VERSACEM (TM) SYSTEM (452010)	106.0	sacks	12.8	2.11	11.75	8	11.75
	11.75 Gal	FRESH WATER							
4	Displacement Fluid		101.00	bbl	8.34	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	101.5	Shut In: Instant		Lost Returns	0	Cement Slurry	147	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	20	Actual Displacement	101.5	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	269
Rates									
Circulating		Mixing	8	Displacement	10	Avg. Job			8
Cement Left In Pipe	Amount	46.2 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					

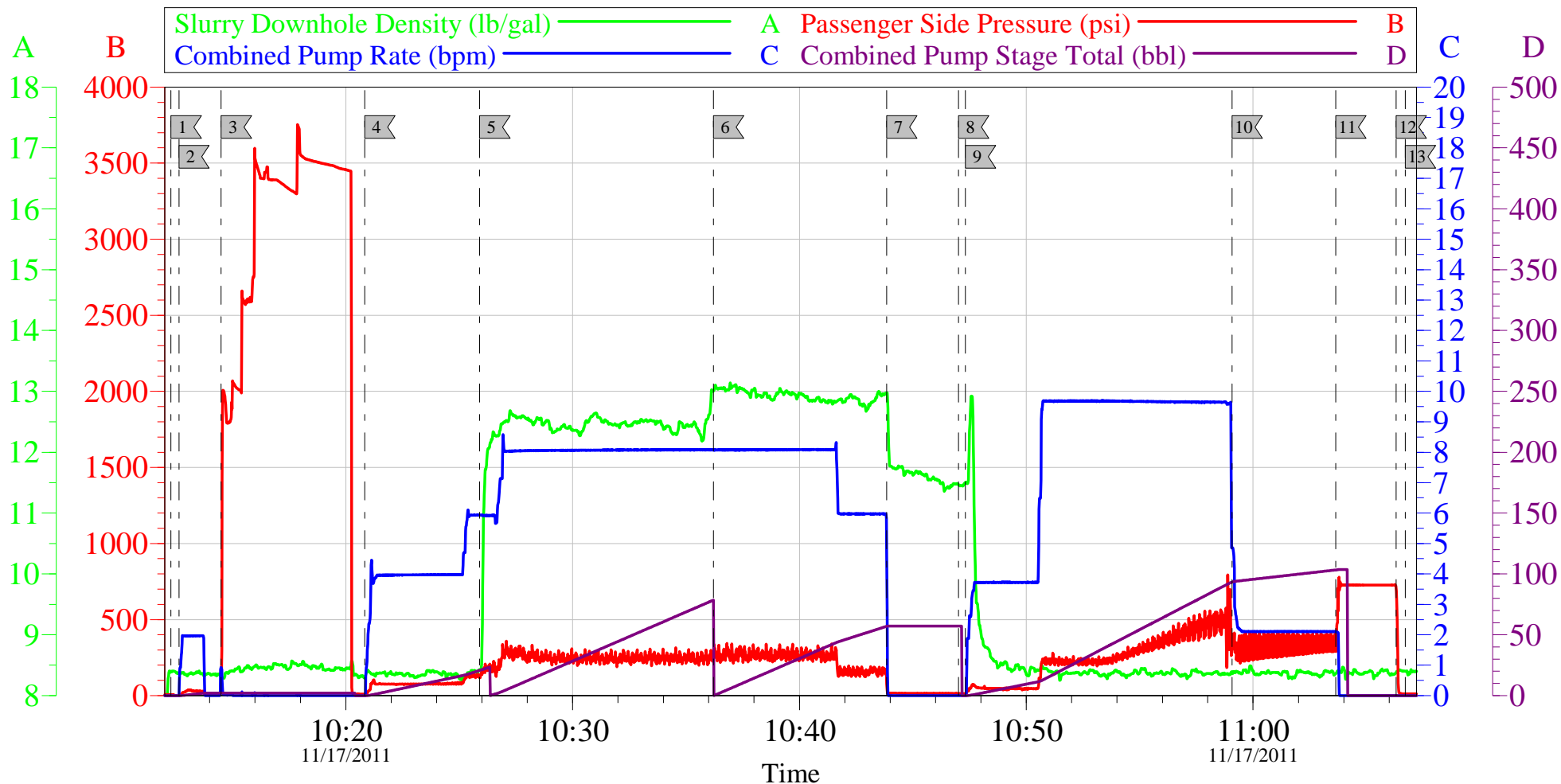
The Road to Excellence Starts with Safety

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Well Name: KP			Well #: 441-28			API/UWI #: 05-045-20695	
Field: MAMM CREEK		City (SAP): SILT		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39.506 deg. OR N 39 deg. 30 min. 20.088 secs.				Long: W 107.552 deg. OR W -108 deg. 26 min. 54.377 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			Srv Supervisor: ANGLESTEIN, TROY			MBU ID Emp #: 436099	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	11/16/2011 20:30							
Pre-Convoy Safety Meeting	11/16/2011 22:00							ALL HES EMPLOYEES
Arrive At Loc	11/17/2011 01:00							RIG STILL RUNNING CASING CIRCULATED FOR 2 HOURS. RIG HAD TROUBLE GETTING LAST JOINT OF CASING DOWN .
Assessment Of Location Safety Meeting	11/17/2011 01:15							ALL HES EMPLOYEES
Rig-Up Equipment	11/17/2011 05:00							1 HT 400 PUMP TRUCK, 2 660 BULK TRUCK, 1 9.625 QUICK LATCH PLUG CONTAINER, 1 F 450 P/U
Pre-Job Safety Meeting	11/17/2011 09:50							ALL HES EMPLOYEES, RIG CREW, CO REP.
Start Job	11/17/2011 10:12							9.625 CASING SET AT 1336.72', FC 1290.55', TD: 1350, OPEN HOLE 13.5", MUD WT 9.4 PPG, 900 BBLs OF H2O ON LOCATION, WATER SAMPLE SUBMITTED.
Pump Water	11/17/2011 10:12		2	2			31.0	FILL LINES
Pressure Test	11/17/2011 10:14		0.5	0.5		3530.0		NO LEAKS
Pump Spacer 1	11/17/2011 10:20		6	20			129.0	FRESH WATER
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

		#		Stage	Total	Tubing	Casing	
Pump Lead Cement	11/17/2011 10:25		8	86.9			255.0	205 SKS VERSACEM CMT TO BE MIXED AT 12.3 PPG, 2.38 YIELD, 13.75 GAL/SK, CMT TO BE WEIGHED VIA PRESSURE BALANCED MUD SCALES WET AND DRY SAMPLES SUBMITTED
Pump Tail Cement	11/17/2011 10:36		8	60.1			263.0	160 SKS VERSACEM CMT TO BE MIXED AT 12.8 PPG, 2.11 YIELD, 11.75 GAL/SK, CMT TO BE WEIGHED VIA PRESSURE BALANCED MUD SCALES. WET AND DRY SAMPLES SUBMITTED.
Shutdown	11/17/2011 10:43							FOR NO MORE THEN 5 MINUTES,
Drop Plug	11/17/2011 10:47							PLUG LAUNCHED
Pump Displacement	11/17/2011 10:47		10	101.5			580.0	FRESHWATER
Cement Returns to Surface	11/17/2011 10:57		10	81			570.0	20 BBLS OF CEMENT TO SURFACE.
Slow Rate	11/17/2011 10:59		2	91			300.0	10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	11/17/2011 11:03		2	101.5			338.0	PLUG LANDED AT 730 HELD FOR TWO MINUTES
Check Floats	11/17/2011 11:06							FLOATS HOLDING, NO ANNULAR FLOW NOTED
End Job	11/17/2011 11:06							THANK YOU FOR USING HES FROM TROY ANGLESTEIN AND CREW.
Post-Job Safety Meeting (Pre Rig-Down)	11/17/2011 11:15							ALL HES EMPLOYEES
Rig-Down Equipment	11/17/2011 11:30							SAFELY
Pre-Convoy Safety Meeting	11/17/2011 12:20							ALL HES EMPLOYEES
Crew Leave Location	11/17/2011 12:30							SITE WAS AS CLEAN AS WHEN WE ARRIVED

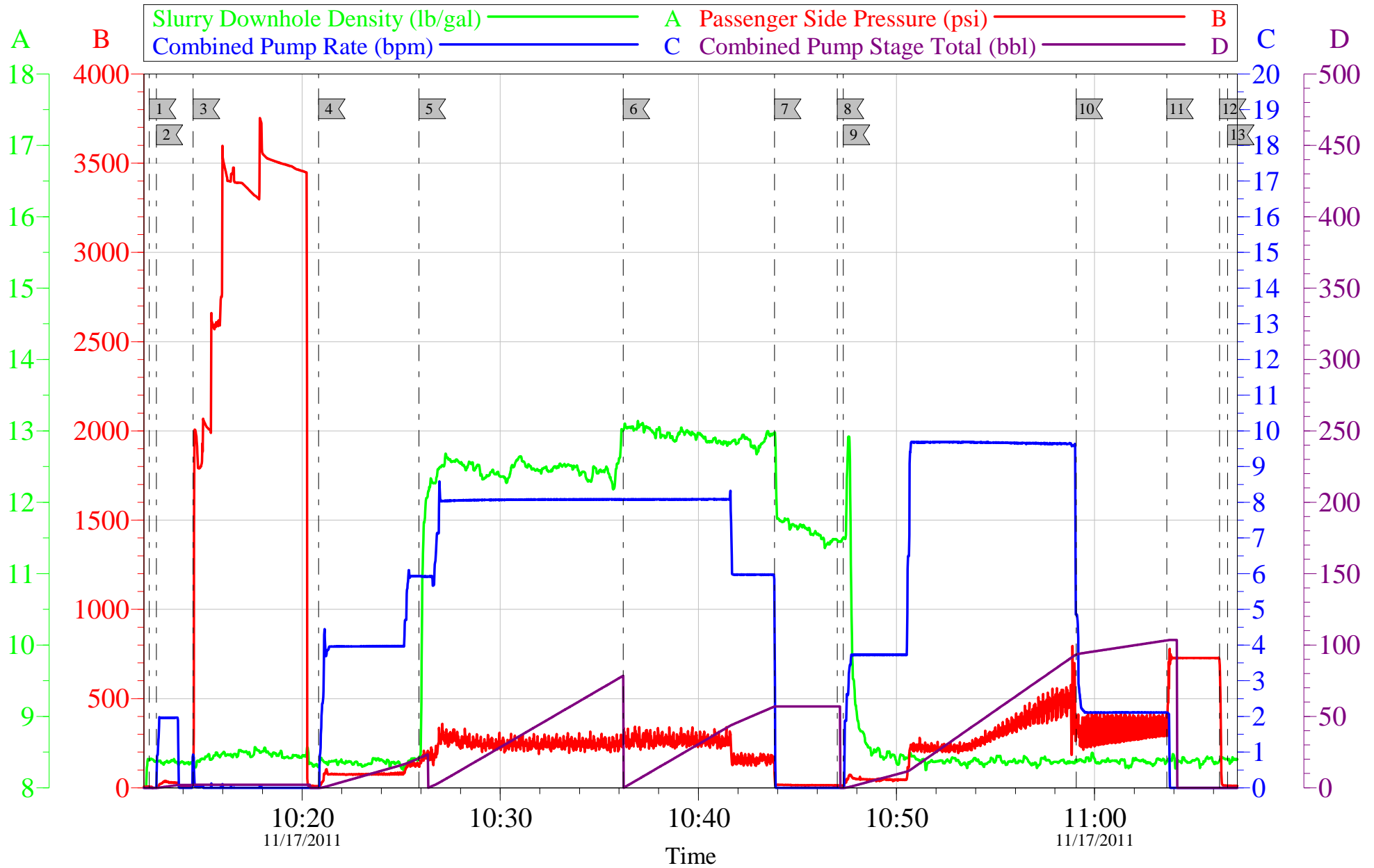
WILLIAMS KP 441-28 SURFACE



Local Event Log								
1	START JOB	10:12:18	2	FILL LINES	10:12:39	3	TEST LINES	10:14:30
4	PUMP H2O SPACER	10:20:50	5	PUMP LEAD CEMENT	10:25:54	6	PUMP TAIL CEMENT	10:36:12
7	SHUTDOWN	10:43:51	8	DROP PLUG	10:47:01	9	PUMP DISPLACEMENT	10:47:19
10	SLOW RATE	10:59:04	11	BUMP PLUG	11:03:39	12	CHECK FLOATS	11:06:18
13	END JOB	11:06:43						

Customer: WILLIAMS	Job Date: 17-Nov-2011	Sales Order #: 9000010
Well Description: KP 441-28	Job Type: SURFACE	ADC Used: YES
Company Rep: AL DUNIHO	Cement Supervisor: TROY ANGLESTEIN	Elite 2: SHANE JENSEN

WILLIAMS KP 441-28 SURFACE





Customer: WILLIAMS	Job Date: 17-Nov-2011	Sales Order #: 9000010
Well Description: KP 441-28	Job Type: SURFACE	ADC Used: YES
Company Rep: AL DUNIHO	Cement Supervisor: TROY ANGLESTEIN	Elite 2: SHANE JENSEN

OptiCem v6.4.10
17-Nov-11 11:55

HALLIBURTON

Water Analysis Report

Company:  WILLIAMS
Submitted by: TROY ANGLESTEIN
Attention: J.Trout
Lease: KP
Well #: 441-28

Date: 11/17/2011
Date Rec.: _____
S.O.#: 9000010
Job Type:  SURFACE

Specific Gravity	MAX	1
pH	8	5
Potassium (K)	5000	220 Mg / L
Hrdness	500	0 Mg / L
Iron (FE2)	300	200 Mg / L
Chlorides (Cl)	3000	0 Mg / L
Sulfates (SO ₄)	1500	<200 Mg / L
Temp	40-80	57 Deg
Total Dissolved Solids		380 Mg / L

Respectfully:  TROY ANGLESTEIN

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 its use.

Sales Order #: 9000010	Line Item: 10	Survey Conducted Date: 11/17/2011
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) 05-045-20695
Well Name: KP		Well Number: 441-28
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	11/17/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	TROY ANGLESTEIN (HX45574)
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

Sales Order #: 9000010	Line Item: 10	Survey Conducted Date: 11/17/2011
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Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) 05-045-20695
Well Name: KP		Well Number: 441-28
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	11/17/2011
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	Deviated
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, Accident, 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	5
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 #: 9000010	Line Item: 10	Survey Conducted Date: 11/17/2011
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Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) 05-045-20695
Well Name: KP		Well Number: 441-28
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	97
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	97
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