
WILLIAMS PRODUCTION RMT INC EBUSINE

**RWF 432-35
RULISON
Garfield County , Colorado**

Cement Production Casing
20-Jul-2010

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 2791810		Quote #:		Sales Order #: 7462110	
Customer: WILLIAMS PRODUCTION RMT INC EBUSINE				Customer Rep: WILSON, W.C.			
Well Name: RWF		Well #: 432-35		API/UWI #:			
Field: RULISON		City (SAP): RIFLE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39.487 deg. OR N 39 deg. 29 min. 13.412 secs.				Long: W 107.853 deg. OR W -108 deg. 8 min. 48.332 secs.			
Contractor: H&P 280		Rig/Platform Name/Num: H&P 280					
Job Purpose: Cement Production Casing						Ticket Amount:	
Well Type: Development Well		Job Type: Cement Production Casing					
Sales Person: KOHL, KYLE		Srvc Supervisor: KUKUS, CRAIG		MBU ID Emp #: 369124			

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	07/20/2010 11:00							
Depart Yard Safety Meeting	07/20/2010 13:30							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Arrive At Loc	07/20/2010 15:30							
Circulate Well	07/20/2010 15:30							RIG WAS DONE WITH CASING/STARTED CIRCULATING AT 15:30
Assessment Of Location Safety Meeting	07/20/2010 15:35							ASSESSMENT OF LOCATION INVOLVING THE ENTIRE CMT CREW
Pre-Rig Up Safety Meeting	07/20/2010 15:45							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Rig-Up Equipment	07/20/2010 16:00							
Pre-Job Safety Meeting	07/20/2010 18:45							SAFETY MEETING INVOLVING EVERYONE ON LOCATION
Start Job	07/20/2010 19:08							
Other	07/20/2010 19:09							PRIME LINES
Pressure Test	07/20/2010 19:11		0.5			5000. 0		PRESSURE TEST GOOD
Pump Spacer 1	07/20/2010 19:14		2	10			328.0	FRESH WATER SPACER
Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

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SUMMIT Version: 7.20.130

Tuesdav. Julv 20. 2010 10:12:00

Cementing Job Log

Pump Tail Cement	07/20/2010 19:26		7.5	252			1760. 0	TOTAL SKS 1160 14.7 PPG 1.22 Y 5.02 WTR T.D 7935 FT T.P 7920FT S.J 28.7 FT MUD WT 14.1 / HAD TO SLOW RATE HAD PROBLEMS WITH BULK EQUIP
Shutdown	07/20/2010 20:11							
Clean Lines	07/20/2010 20:12							CLEAN PUMPS AND LINE WITH FRESH WATER
Drop Top Plug	07/20/2010 20:14							PLUG LEFT THE PLUG CONTAINER
Pump Displacement	07/20/2010 20:14		10	122.3			2990. 0	PUMP KCL DISPLACEMENT 3 EA BE-6 1 GAL MMCR
Slow Rate	07/20/2010 20:24		4	112.3			2460. 0	LAST 10 bbls
Bump Plug	07/20/2010 20:30		4	122.3			3065. 0	PLUG LANDED
Check Floats	07/20/2010 20:32							FLOATS HELD/got 1.5 BBL BACK
End Job	07/20/2010 20:34							HAD GOOD CIRCULATION THRU OUT JOB / RIG RECIEPACATED DURING JOB
Pre-Rig Down Safety Meeting	07/20/2010 20:36							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Rig-Down Equipment	07/20/2010 20:40							
Safety Meeting - Departing Location	07/20/2010 22:35							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Comment	07/20/2010 22:45							THANK YOU FOR USING HALLIBURTON, CRAIG KUKUS AND CREW

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Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CALDWELL, JEFFREY S	6	369111	HUGENTOBLE, LOGAN Mark	6	447333	KUKUS, CRAIG A	6	369124
TRIPLETT, MICHEAL Anthony	6	447908						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10296148C	60 mile	10784064	60 mile	10804567	60 mile	10829469	60 mile
11006314	60 mile	11057894	60 mile	6345	60 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7/20/10	6	1.5						
TOTAL			Total is the sum of each column separately					

Job

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	20 - Jul - 2010	11:00	MST
Job depth MD	7935.0 FT		Job Depth TVD	Job Started	20 - Jul - 2010	15:30	MST
Water Depth			Wk Ht Above Floor	Job Completed	20 - Jul - 2010	19:08	MST
Perforation Depth (MD)	From		To	Job Completed	20 - Jul - 2010	20:30	MST
				Departed Loc	20 - Jul - 2010	22:45	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
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Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,4 1/2,HWE,3.65 MIN/4.14 MA	1	EA		
R/A DENSOMETER W/CHART RECORDER,/JOB,ZI	1	JOB		
PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI	1	JOB		
ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	4.5	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	4.5	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		10.00	bbl	8.4	.0	.0	.0	
2	Tail Cement	VARICEM (TM) CEMENT (452009)	1160.0	sacks	14.7	1.22	5.02		5.02
	5.02 Gal	FRESH WATER							
3	KCL Displacement Fluid		122.00	bbl	8.4	.0	.0	.0	
	7.7 lbm/bbl	POTASSIUM CHLORIDE 7% (100001585)							
Calculated Values		Pressures		Volumes					
Displacement	122.3	Shut In: Instant		Lost Returns	0	Cement Slurry	252	Pad	
Top Of Cement		5 Min		Cement Returns	0	Actual Displacement	122.3	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	385
Rates									
Circulating		Mixing	7.5	Displacement	10	Avg. Job			8
Cement Left In Pipe	Amount	28.7 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					