

HALLIBURTON

WILLIAMS PRODUCTION RMT INC EBUSINE

**RWF 32-35
RULISON
Garfield County , Colorado**

Cement Production Casing
30-Jun-2010

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2790350	Quote #:	Sales Order #: 7445298
Customer: WILLIAMS PRODUCTION RMT INC EBUSINE		Customer Rep: WILSON, W.C.	
Well Name: RWF		Well #: 32-35	API/UWI #: 05-045-18747
Field: RULISON	City (SAP): RIFLE	County/Parish: Garfield	State: Colorado
Lat: N 39.487 deg. OR N 39 deg. 29 min. 13.56 secs.		Long: W 107.853 deg. OR W -108 deg. 8 min. 48.318 secs.	
Contractor: H&P 280		Rig/Platform Name/Num: H&P 280	
Job Purpose: Cement Production Casing			
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: KOHL, KYLE		Srvc Supervisor: CARTER, ERIC	MBU ID Emp #: 345598

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANKS, BRENT A	7	371353	CARTER, ERIC Earl	7	345598	CUNNINGHAM, TANNER Wade	7	445660
STEELE, BENJAMIN F	7	458599						

Equipment

HES Unit #	Distance-1 way						
10784080	60 mile	10804579	60 mile	10872429	60 mile	10951251	60 mile
11360883	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
6/30/10	7	1.5						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)	1145.4 FT.	7710 FT.	On Location	29 - Jun - 2010	20:30	CST
Form Type	BHST		Job Started	30 - Jun - 2010	00:30	CST
Job depth MD	7710. ft	Job Depth TVD	7710. ft	Job Started	30 - Jun - 2010	04:40
Water Depth	Wk Ht Above Floor		5. ft	Job Completed	30 - Jun - 2010	05:51
Perforation Depth (MD)	From	To	Departed Loc	30 - Jun - 2010	07:30	CST

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				7.875				1145.4	7710.		
PRODUCTION CASING	Unknown		4.5	4.	11.6		N-80	.	7694.9		
SURFACE CASING	Unknown		9.625	9.001	32.3		J-55	.	1145.4		

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	
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	4.5"	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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Spacer				10.00	bbl	8.4	.0	.0	8	
2	VariCem Tail Slurry	VARICEM (TM) CEMENT (452009)			1020.0	sacks	14.2	1.33	5.79	8	5.79
	5.79 Gal	FRESH WATER									
3	KCL Displacement Fluid					bbl	8.4	.0	.0	10	
	7.7 lbm/bbl	POTASSIUM CHLORIDE 7% (100001585)									
Calculated Values			Pressures			Volumes					
Displacement	118.8	Shut In: Instant			Lost Returns	NONE	Cement Slurry	241.6	Pad		
Top Of Cement		5 Min			Cement Returns	0	Actual Displacement	118.8	Treatment		
Frac Gradient		15 Min			Spacers	10	Load and Breakdown		Total Job 370.4		
Rates											
Circulating	RIG	Mixing		8	Displacement	10	Avg. Job		9		
Cement Left In Pipe	Amount	28.9 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

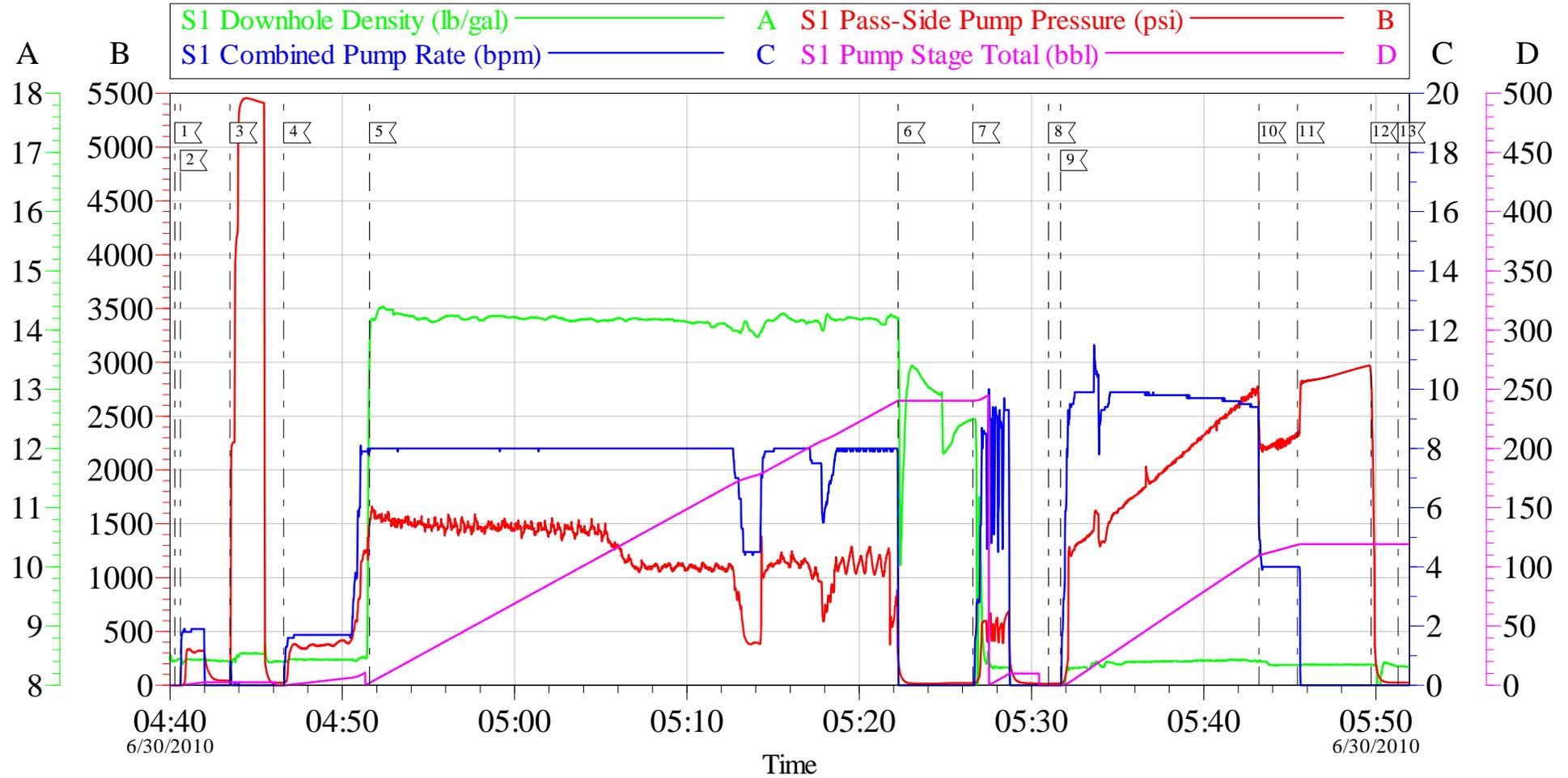
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Legal Description:			
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Job Purpose: Cement Production Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: KOHL, KYLE		Srvc Supervisor: CARTER, ERIC	MBU ID Emp #: 345598

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	06/29/2010 20:30							
Depart Yard Safety Meeting	06/29/2010 22:20							ATTENDED BY ALL HES CREW
Crew Leave Yard	06/29/2010 22:30							
Arrive At Loc	06/30/2010 00:30							RIG RUNNING CASING
Assessment Of Location Safety Meeting	06/30/2010 00:40							ATTENDED BY ALL HES CREW
Other	06/30/2010 02:30							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	06/30/2010 02:50							ATTENDED BY ALL HES CREW
Rig-Up Equipment	06/30/2010 03:00							
Pre-Job Safety Meeting	06/30/2010 04:20							ATTENDED BY ALL HES CREW, RIG CREW AND COMPANY REP, RIG CIRCULATED FOR 3 HR'S PRIOR TO JOB
Other	06/30/2010 04:40							PRIME LINES
Start Job	06/30/2010 04:40							TP 7694.9', TD 7710', SJ 28.9', FC 7666', MW 13.9', CASING 4.5", 11.6#, E-80, HOLE 7.875", SURFACE CASING 9.625", 32.3# SET AT 1145.4', 4.5" HEAD # D0754
Test Lines	06/30/2010 04:43							PRESSURED UP TO 5450 PSI, PRESSURE HELD
Pump Spacer 1	06/30/2010 04:46		8	10	10		1500.0	FRESH WATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	06/30/2010 04:51		8	241.6	251.6		1490.0	1020 SKS MIXED AT 14.2 PPG, 1.33 YIELD, 5.79 GL/SK
Shutdown	06/30/2010 05:22							
Clean Lines	06/30/2010 05:26							CLEANED LINES TO PIT
Drop Top Plug	06/30/2010 05:30							COMPANY REP VERIFIED THAT PLUG LAUNCHED
Pump Displacement	06/30/2010 05:31		10	108.8	360.4		2760.0	KCL DISPLACEMENT
Slow Rate	06/30/2010 05:43		4	10	370.4		2290.0	
Bump Plug	06/30/2010 05:45						2980.0	PLUG LANDED
Check Floats	06/30/2010 05:49							FLOATS HELD
End Job	06/30/2010 05:51							GOOD CIRCULATION THROUGH OUT JOB, 0 BBLS CEMENT TO SURFACE, PIPE WAS MOVED DURING CEMENT
Post-Job Safety Meeting (Pre Rig-Down)	06/30/2010 06:00							ATTENDED BY ALL HES CREW
Rig-Down Equipment	06/30/2010 06:10							
Depart Location Safety Meeting	06/30/2010 07:20							ATTENDED BY ALL HES CREW
Crew Leave Location	06/30/2010 07:30							THANK YOU FOR USING HALLIBURTON CEMENT, ERIC CARTER AND CREW

WILLIAMS PRODUCTION RMT

4.5" PRODUCTION/RWF 32-35



Local Event Log								
1	START JOB	04:40:17	2	PRIME LINES	04:40:36	3	TEST LINES	04:43:29
4	PUMP H2O SPACER	04:46:36	5	PUMP TAIL CEMENT	04:51:35	6	SHUTDOWN	05:22:16
7	CLEAN LINES	05:26:36	8	DROP TOP PLUG	05:30:59	9	PUMP KCL DISPLACEMENT	05:31:42
10	SLOW RATE	05:43:12	11	BUMP PLUG	05:45:26	12	CHECK FLOATS	05:49:42
13	END JOB	05:51:17						

Customer: WILLIAMS PRODUCTION RMT INC EBUSINE
 Well Description: RWF 32-35
 Company Rep: CUB

Job Date: 30-Jun-2010
 Job Type: 4.5" PRODUCTION
 Cement Supervisor: ERIC CARTER

Sales Order #: 7445298
 ADC Used: YES
 Elite #/Operator: 11/BEN STEELE

OptiCem v6.4.0
 30-Jun-10 06:16