

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2890010	Quote #:	Sales Order #: 9053614
Customer: WILLIAMS PRODUCTION RMT INC - EBUS	Customer Rep: Moore, Frank		
Well Name: RWF	Well #: 433-31	API/UWI #: 05-045-19784	
Field: Rulison	City (SAP): RIFLE	County/Parish: Garfield	State: Colorado
Lat: N 39.475 deg. OR N 39 deg. 28 min. 31.048 secs.	Long: W 107.929 deg. OR W -108 deg. 4 min. 14.506 secs.		
Contractor: NABORS	Rig/Platform Name/Num: NABORS 573		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: MAYO, MARK	Srv Supervisor: PHILLIPS, MARK	MBU ID Emp #: 445272	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANGLESTEIN, TROY Edward WM	5	436099	Courtney, Treavor	5	509351	JENSEN, JESSE Robert	5	478774
PHILLIPS, MARK Bejar	5	445272						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10551730C	60 mile	10867304	60 mile	10973571	60 mile	10998054	60 mile
11259884	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
11-30-11	4	1						

TOTAL Total is the sum of each column separately

Job				Job Times			
Formation Name	Top	Bottom		Date	Time	Time Zone	
Formation Depth (MD)				Called Out	30 - Nov - 2011	02:00	MST
Form Type		BHST		On Location	30 - Nov - 2011	06:00	MST
Job depth MD	1170. ft	Job Depth TVD	1170. ft	Job Started	30 - Nov - 2011	07:38	MST
Water Depth		Wk Ht Above Floor	6. ft	Job Completed	30 - Nov - 2011	08:28	GMT
Perforation Depth (MD)	From	To		Departed Loc	30 - Nov - 2011	10:30	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
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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
Gulde Shoe					Packer					Top Plug	9.626	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar				1119.91	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	4.0	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	175.0	sacks	12.3	2.38	13.75	8.0	13.75
3	Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	8.0	11.75
4	Displacement Fluid		88.1	bbl	8.34	.0	.0	10.0	
Calculated Values		Pressures		Volumes					
Displacement	88.1	Shut In: Instant		Lost Returns	0	Cement Slurry	134	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	20	Actual Displacement	88.1	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	243
Rates									
Circulating	10	Mixing	8	Displacement	10	Avg. Job	8		
Cement Left In Pipe	Amount	43.09 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					

HALLIBURTON

Cementing Job Log

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Legal Description:			
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Contractor: NABORS	Rig/Platform Name/Num: NABORS 573		
Job Purpose: Cement Surface Casing	Ticket Amount:		
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: MAYO, MARK	Srvc Supervisor: PHILLIPS, MARK	MBU ID Emp #: 445272	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	11/30/2011 02:00							
Pre-Convoy Safety Meeting	11/30/2011 04:30							ALL HES EMPLOYEES
Arrive At Loc	11/30/2011 06:00							RIG STILL RUNNING CASING
Assessment Of Location Safety Meeting	11/30/2011 06:05							ALL HES EMPLOYEES
Rig-Up Equipment	11/30/2011 06:15							1 HT 400 PUMP TRUCK, 1 660 BULK TRUCK, 1 9.625" QUICK LATCH PLUG CONTAINER, 1 F 450 P/U.
Pre-Job Safety Meeting	11/30/2011 07:00							ALL HES EMPLOYEES, RIG CREW, CO REP.
Start Job	11/30/2011 07:38							TD 1170', TP 1163', FC 1119.91', HOLE 13.5", MUD WT 11.4 PPG, SJ 43.09', 400 BBLS OF H2O ON LOCATION, WATER SAMPLE SUBMITTED.
Pump Water	11/30/2011 07:39		2	2			70.0	FILL LINES
Pressure Test	11/30/2011 07:42		0.5			3000.0		NO LEAKS
Pump Spacer 1	11/30/2011 07:45		4	20			140.0	FRESH WATER

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SUMMIT Version: 7.2.27

Wednesday, November 30, 2011 09:10:00

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	11/30/2011 07:52		8	74			400.0	175 SKS VERSACEM CMT MIXED AT 12.3 PPG, 2.38 YIELD, 13.75 GAL/SK, CMT WEIGHED VIA PRESSURE BALANCED MUD SCALES, WET AND DRY SAMPLES SUBMITTED.
Pump Tail Cement	11/30/2011 08:01		8	60			440.0	160 SKS VERSACEM CMT MIXED AT 12.8 PPG, 2.11 YIELD, 11.75 GAL/SK, CMT WEIGHED VIA PRESSURE BALANCED MUD SCALES. WET AND DRY SAMPLES SUBMITTED.
Shutdown	11/30/2011 08:08							
Drop Plug	11/30/2011 08:10							PLUG LAUNCHED
Pump Displacement	11/30/2011 08:11		10	88.1			650.0	FRESH WATER, PER CO REP OK TO WASH UP PUMMP ON TOP OF PLUG.
Cement Returns to Surface	11/30/2011 08:18							20 BBLS OF CEMENT RETURNED TO SURFACE.
Slow Rate	11/30/2011 08:21		2	78			350.0	10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	11/30/2011 08:25		2	88.1			850.0	PLUG LANDED HOLD FOR TWO MINUTES
Check Floats	11/30/2011 08:27							FLOATS HOLDING, NO ANNULAR FLOW AT SHAKERS NOTED
End Job	11/30/2011 08:28							THANK YOU FOR USING HES FROM MARK PHILLIPS AND CREW.
Post-Job Safety Meeting (Pre Rig-Down)	11/30/2011 08:40							ALL HES EMPLOYEES
Rig-Down Equipment	11/30/2011 09:00							SAFELY

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pre-Convoy Safety Meeting	11/30/2011 10:00							ALL HES EMPLOYEES
Crew Leave Location	11/30/2011 10:30							SITE WAS AS CLEAN AS WHEN WE ARRIVED

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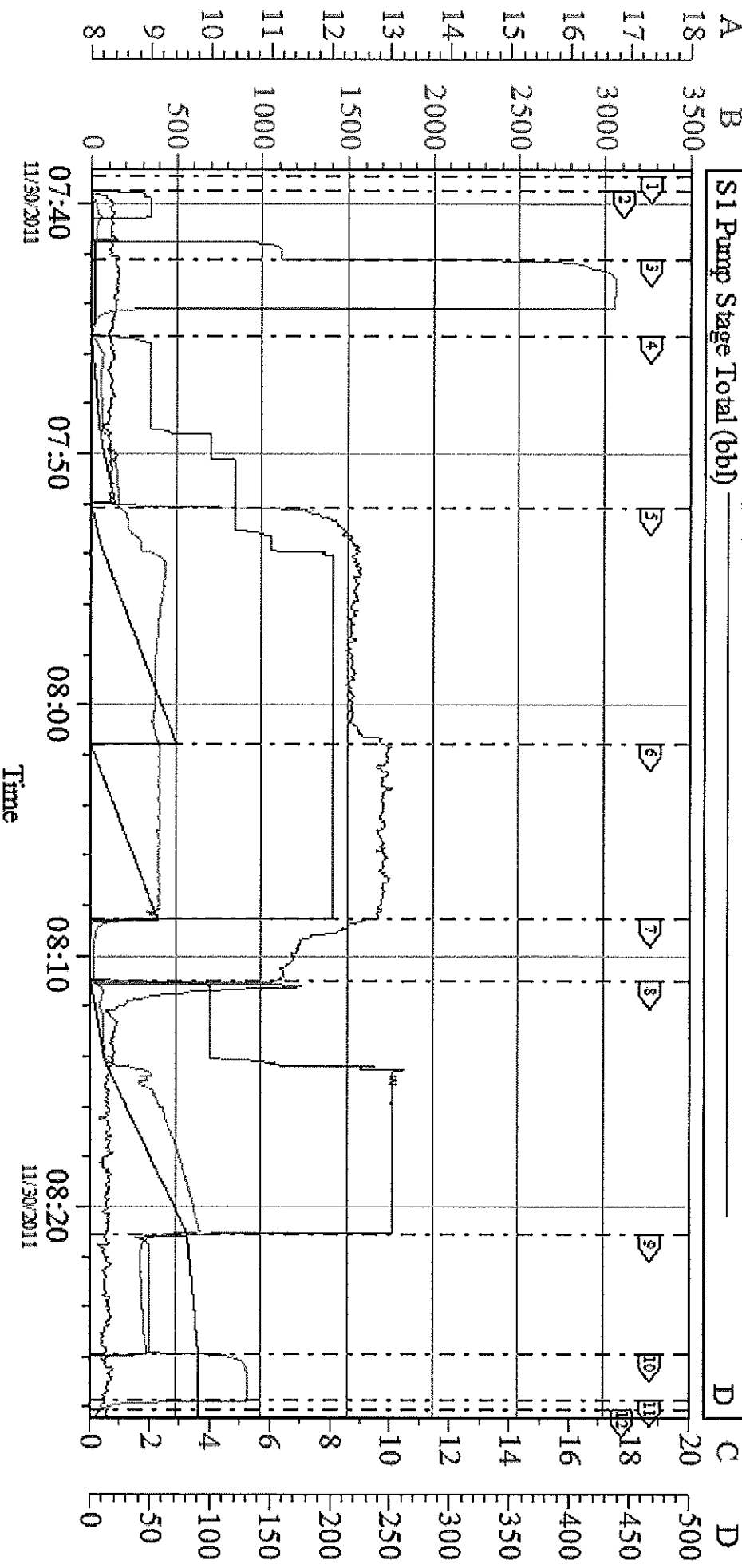
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Wednesday, November 30, 2011 09:10:00

WILLIAMS

RWF 433-31 SURFACE

S1 Downhole Density (lb/gal) _____ A
 S1 Pass-Side Pump Pressure (psi) _____ B
 S1 Combined Pump Rate (bpm) _____ C
 S1 Pump Stage Total (bb1) _____ D

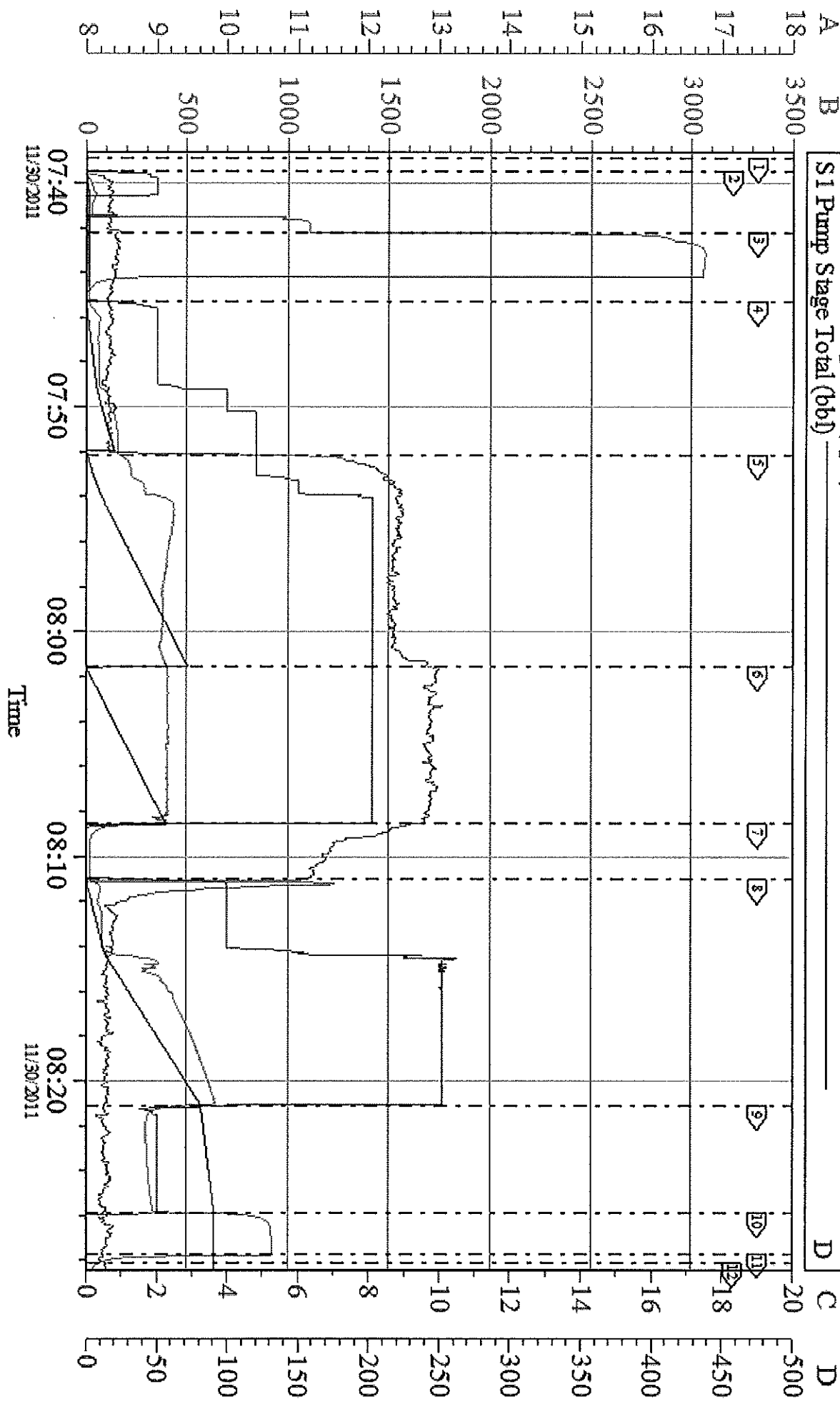


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Well Description: RWF 433-31	Job Type: SURFACE	ADC Used: YES
Company Rep: FRANK MOORE	Cement Supervisor: MARK PHILLIPS	File #2: JESSE JENSEN

WILLIAMS

RWF 433-31 SURFACE

S1 Downhole Density (lb/gal) _____ A
 S1 Pass-Side Pump Pressure (psi) _____ B
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