

HALLIBURTON

WILLIAMS PRODUCTION RMT INC - EBUS

**KP 411-27
MAMM CREEK
Garfield County , Colorado**

Cement Surface Casing

06-Jan-2012

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 2896703		Quote #:		Sales Order #: 9133469	
Customer: WILLIAMS PRODUCTION RMT INC - EBUS				Customer Rep: Moore, Frank			
Well Name: KP		Well #: 411-27		API/UWI #: 05-045-20708			
Field: MAMM CREEK		City (SAP): TULSA		County/Parish: Garfield		State: Colorado	
Lat: N 39.506 deg. OR N 39 deg. 30 min. 20.272 secs.				Long: W 107.552 deg. OR W -108 deg. 26 min. 54.542 secs.			
Contractor: NABORS 573		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: LEIST, JAMES		MBU ID Emp #: 362787			
Job Personnel							
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs
EICKHOFF, ROBERT Edward	2	495311	LEIST, JAMES R	2	362787	SMITH, CHRISTOPHER Scott	2
WADE, LOGAN D	2	488896					
Equipment							
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10567589C	60 mile	10592964	60 mile	10744549	60 mile	10867531	60 mile
10951245	60 mile	10989685	60 mile	10995027	60 mile		
Job Hours							
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours
1-5-12	6	1	1-6-12	1	1		
TOTAL		Total is the sum of each column separately					
Job				Job Times			
Formation Name				Date	Time	Time Zone	
Formation Depth (MD)	Top	Bottom		Called Out	05 - Jan - 2012	14:00	MST
Form Type	BHST			On Location	05 - Jan - 2012	18:00	MST
Job depth MD	1370. ft	Job Depth TVD	1370. ft	Job Started	05 - Jan - 2012	23:30	MST
Water Depth	Wk Ht Above Floor			Job Completed	06 - Jan - 2012	00:34	MST
Perforation Depth (MD)	From	To		Departed Loc	06 - Jan - 2012	01:45	MST
Well Data							
Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade
Open Hole				13.5			
Surface Casing	Unknown		9.625	9.001	32.3		H-40
Sales/Rental/3 rd Party (HES)							
Description	Qty	Qty uom	Depth	Supplier			
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 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
Guide Shoe					Packer		
Float Shoe					Bridge Plug		
Float Collar					Retainer		
Insert Float							
Stage Tool							
Miscellaneous Materials							
Gelling Agt		Conc		Surfactant		Conc	
Treatment Fld		Conc		Inhibitor		Conc	
Acid Type		Qty	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	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	220.0	sacks	12.3	2.38	13.75	7	13.75
		13.75 Gal FRESH WATER							
3	Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	7	11.75
		11.75 Gal FRESH WATER							
4	Displacement Fluid		103.00	bbl	8.34	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	103	Shut In: Instant		Lost Returns	0	Cement Slurry	153	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	30	Actual Displacement	103	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	
Rates									
Circulating	11.5	Mixing	7	Displacement	10	Avg. Job	9.5		
Cement Left In Pipe	Amount	43.98 ft	Reason	Shoe Joint					
Frac Ring # 1 @	/D	Frac ring # 2 @	/D	Frac Ring # 3 @	/D	Frac Ring # 4 @	/D		
The Information Stated Herein Is Correct				Customer Representative Signature					

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2896703	Quote #:	Sales Order #: 9133469
Customer: WILLIAMS PRODUCTION RMT INC - EBUS	Customer Rep: Moore, Frank		
Well Name: KP	Well #: 411-27	API/UWI #: 05-045-20708	
Field: MAMM CREEK	City (SAP): TULSA	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.506 deg. OR N 39 deg. 30 min. 20.272 secs.		Long: W 107.552 deg. OR W -108 deg. 26 min. 54.542 secs.	
Contractor: NABORS 573	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	Srv Supervisor: LEIST, JAMES	MBU ID Emp #: 362787	

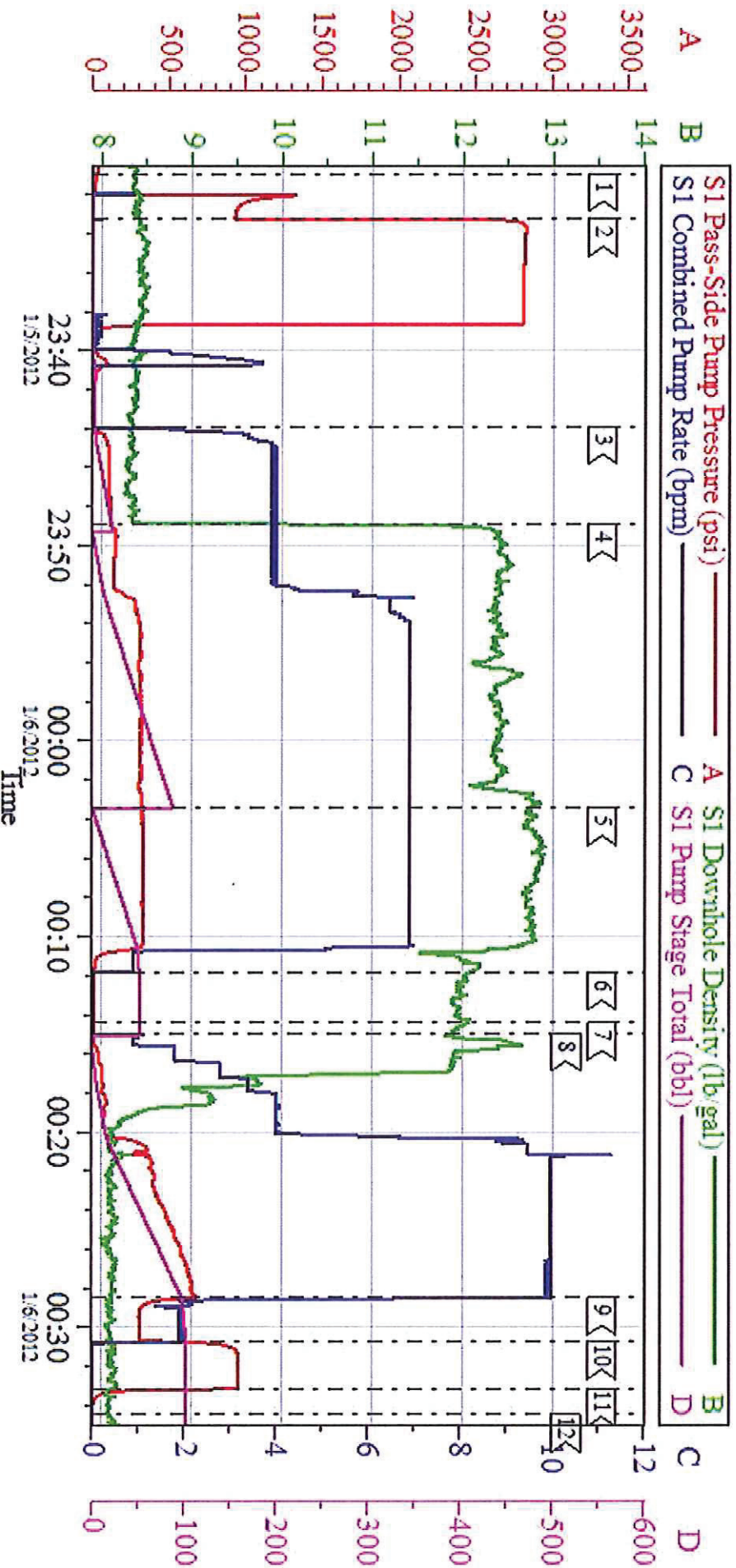
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	01/05/2012 14:00							
Pre-Convoy Safety Meeting	01/05/2012 15:00							WITH ALL HES PERSONNEL
Arrive At Loc	01/05/2012 18:00							TP-1363, TD-1370, S.J.-43.98, HOLE-13 1/2, MUD#-9.8, 9 CENT. 2 TURBO
Pre-Rig Up Safety Meeting	01/05/2012 22:00							WITH ALL ON HES PERSONNEL
Rig-Up Completed	01/05/2012 23:00							RIG CIRULATED FOR 45 MIN. PRIOR TO CMT JOB AT 11.5 BPM, WITH 130 PSI
Pre-Job Safety Meeting	01/05/2012 23:15							WITH ALL ON LOCATION PERSONNEL
Start Job	01/05/2012 23:30							GOOD CIRULATION THROUGHOUT JOB, 30 BBLS CMT TO SURFACE
Pressure Test	01/05/2012 23:33							2832 PSI
Pump Spacer	01/05/2012 23:43		4	20			110.0	FRESH WATER
Pump Lead Cement	01/05/2012 23:48		7	93			327.0	220 SKS, 12.3 PPG, 2.38 FT3/SK, 13.75 GAL/SK
Pump Tail Cement	01/06/2012 00:03		7	60			330.0	160 SKS, 12.8 PPG, 2.11 FT3/SK, 11.75 GAL/SK
Shutdown	01/06/2012 00:11							
Drop Top Plug	01/06/2012 00:14							DROP TOP PLUG

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	01/06/2012 00:14		10	103			677.0	FRESH WATER
Slow Rate	01/06/2012 00:28		2	93			330.0	TO BUMP PLUG
Bump Plug	01/06/2012 00:30		2	103			350.0	PLUG BUMPED
Check Floats	01/06/2012 00:33						960.0	FLOATS HOLDING
End Job	01/06/2012 00:34							
Pre-Rig Down Safety Meeting	01/06/2012 00:40							WITH ALL HES PERSONNEL
Rig-Down Completed	01/06/2012 01:30							
Pre-Convoy Safety Meeting	01/06/2012 01:45							WITH ALL HES PERSONNEL
Comment	01/06/2012 01:45							THANKYOU FOR USING HALLIBURTON CEMENT, JAMES LEIST AND CREW

WILLIAMS PRODUCTION KP 411-27

9 5/8 SURFACE CASING



Local Event Log

1 <	START JOB	1/5/2012 23:30:55	2 <	PRESSURE TEST	1/5/2012 23:33:15
3 <	PUMP H2O SPACER	1/5/2012 23:43:54	4 <	PUMP LEAD CMT	1/5/2012 23:48:53
5 <	PUMP TAIL CMT	1/6/2012 00:03:26	6 <	SHUTDOWN	1/6/2012 00:11:50
7 <	DROP TOP PLUG	1/6/2012 00:14:24	8 <	PUMP DISPLACEMENT	1/6/2012 00:14:57
9 <	SLOW RATE	1/6/2012 00:28:29	10 <	BUMP PLUG	1/6/2012 00:30:45
11 <	CHECK FLOATS	1/6/2012 00:33:10	12 <	END JOB	1/6/2012 00:34:29

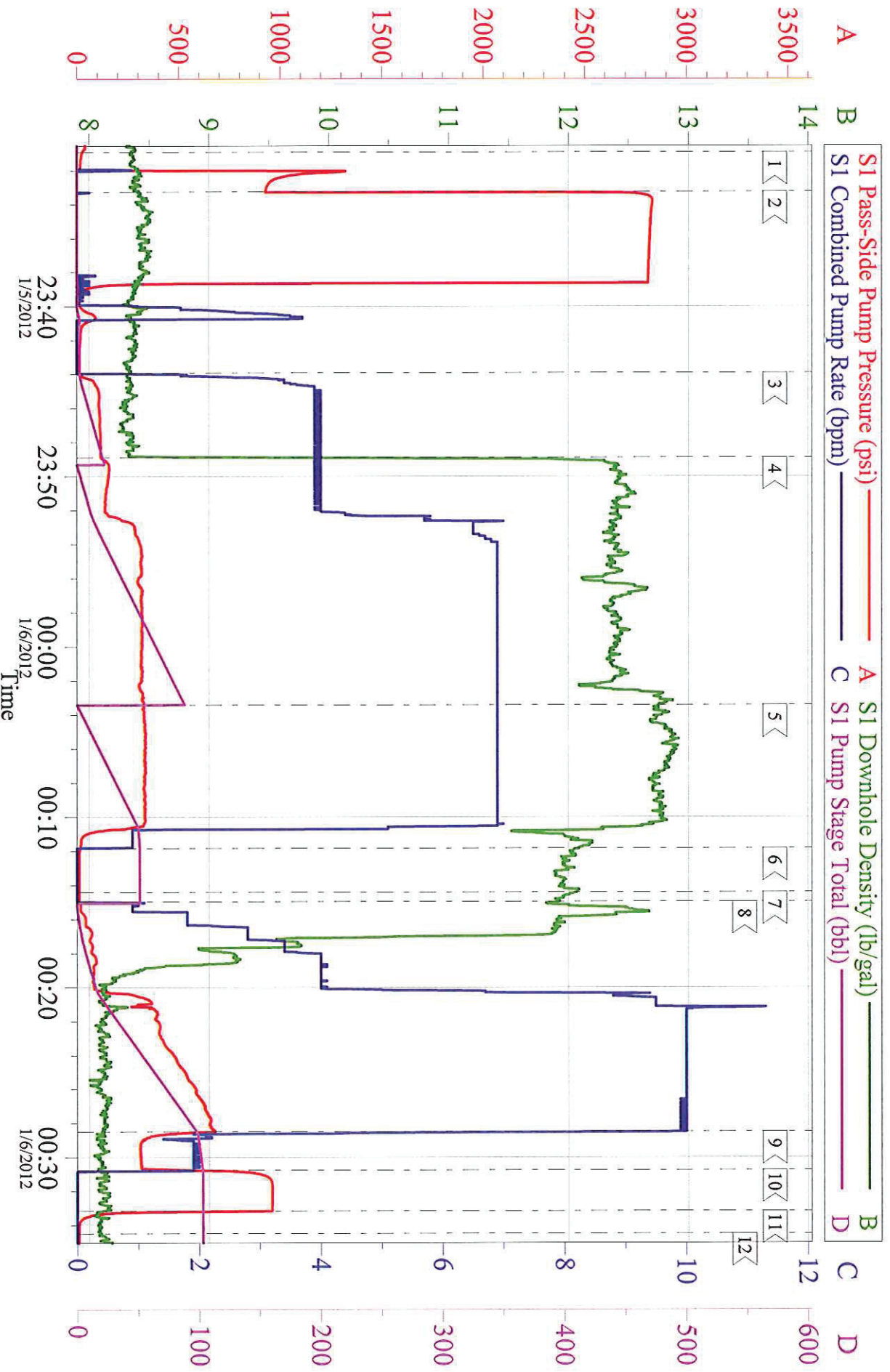
Customer: WILLIAMS PRODUCTION
Well Description: KP 411-27
Company Rep: FRANK MOORE

Job Date: 05-Jan-2012
Job Type: SURFACE
Cement Supervisor: JAMES LEIST

Sales Order #: 9133469
ADC Used: YES
Elite #: 3 ROB EICK OFF

WILLIAMS PRODUCTION KP 411-27

9 5/8 SURFACE CASING



Customer:	WILLIAMS PRODUCTION	Job Date:	05-Jan-2012	Sales Order #:	9133469
Well Description:	KP 411-27	Job Type:	SURFACE	ADC Used:	YES
Company Rep:	FRANK MOORE	Cement Supervisor:	JAMES LEIST	Elite #:	3
					ROB EICKOFF