

HALLIBURTON

WILLIAMS PRODUCTION RMT INC - EBUS

**SG 344-22
GRAND VALLEY
Garfield County , Colorado**

**Cement Surface Casing
28-Dec-2011**

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2896808	Quote #:	Sales Order #: 9133493
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Customer Rep: OLSEN, MIKE	
Well Name: SG	Well #: 344-22	API/UWI #: 05-045-20681	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.418 deg. OR N 39 deg. 25 min. 5.434 secs.		Long: W 108.086 deg. OR W -109 deg. 54 min. 48.877 secs.	
Contractor: H&P Drilling	Rig/Platform Name/Num: H&P 280		
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: SCOTT, KYLE		Srvc Supervisor: SMITH, DUSTIN	MBU ID Emp #: 418015

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BURKE, BRENDAN Patrick	7	487782	KUKUS, CRAIG A	7	369124	SMITH, DUSTIN Michael	7	418015
WYCKOFF, RYAN Scott	7	476117						

Equipment

HES Unit #	Distance-1 way						
10297346	60 mile	10872429	60 mile	11071559	60 mile	11259883	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
12/27/11	4.5	1.5	12/28/11	2.5	1			

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)			On Location	27 - Dec - 2011	15:00	MST	
Form Type	BHST		Job Started	27 - Dec - 2011	19:30	MST	
Job depth MD	820. ft	Job Depth TVD	Job Started	27 - Dec - 2011	23:59	MST	
Water Depth		Wk Ht Above Floor	Job Completed	28 - Dec - 2011	00:40	MST	
Perforation Depth (MD)	From	To	Departed Loc	28 - Dec - 2011	02:30	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
13 1/2" Open Hole				13.5				.	820.		
9 5/8" Surface Casing	New		9.625	9.001	32.3		H-40	.	806.		

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 5/8	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9 5/8	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	Fresh Water		20.00	bbl	8.33	.0	.0	4.0	
2	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	225.0	sacks	12.8	2.11	11.75	8.0	11.75
	11.75 Gal	FRESH WATER							
3	Displacement Fluid		60.0	bbl	8.34	.0	.0	10.0	
Calculated Values		Pressures		Volumes					
Displacement	60.0	Shut In: Instant		Lost Returns	0	Cement Slurry	84.6	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	15	Actual Displacement	60.0	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	164
Rates									
Circulating		Mixing	8	Displacement	10	Avg. Job	9		
Cement Left In Pipe	Amount	43.55 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

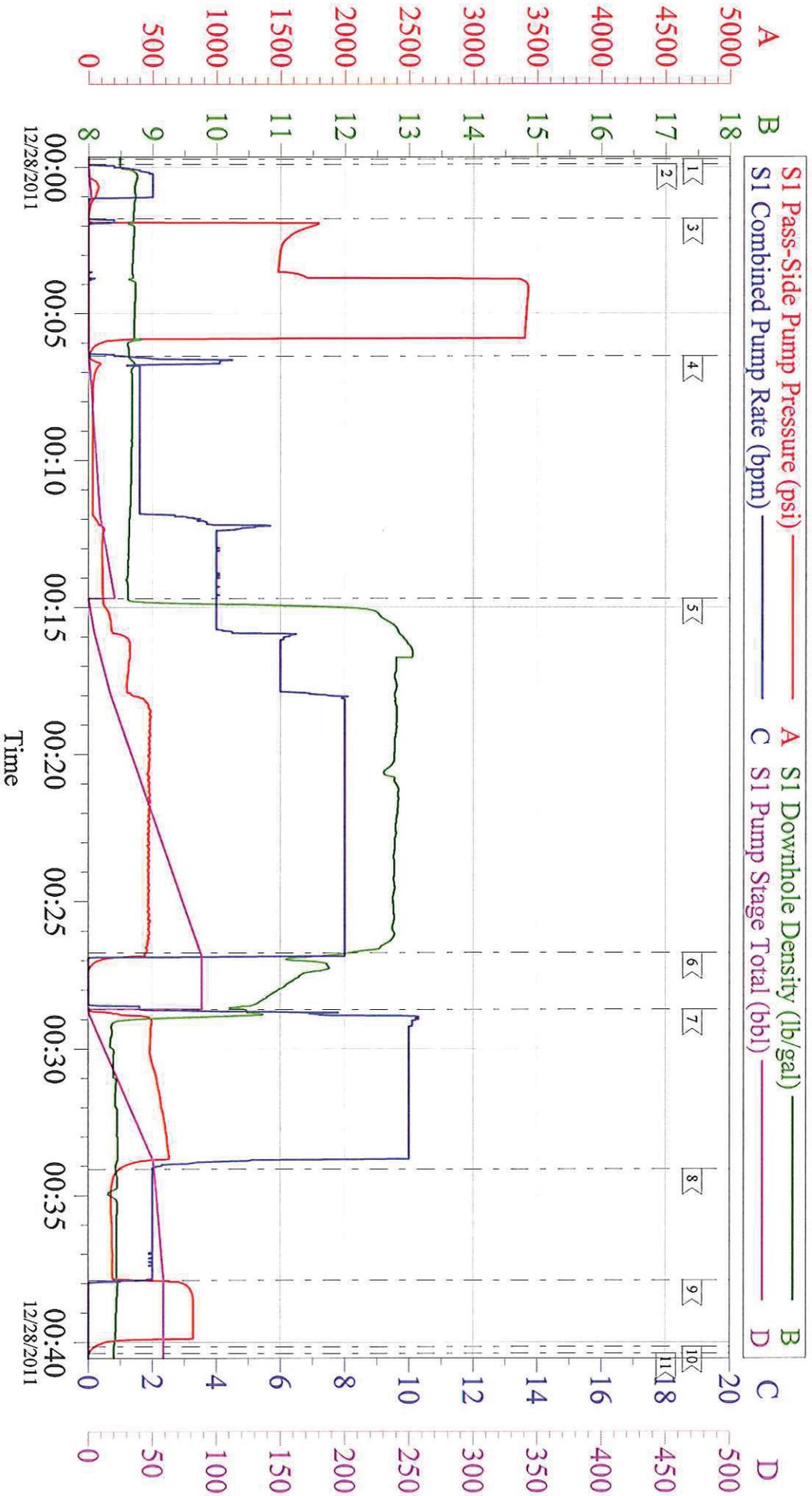
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Legal Description:			
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Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: SCOTT, KYLE		Srvs Supervisor: SMITH, DUSTIN	MBU ID Emp #: 418015

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/27/2011 15:00							ELITE # 7
Depart Yard Safety Meeting	12/27/2011 18:30							ALL HES EMPLOYEES
Arrive At Loc	12/27/2011 19:30							ARRIVED ON LOCATION 1 1/2 HOURS EARLY DIDNT START CHARGING TIME UNTIL REQUESTED ON LOCATION TIME RIG RIGGING UP CASING CREW
Assessment Of Location Safety Meeting	12/27/2011 19:40							ALL HES EMPLOYEES
Pre-Rig Up Safety Meeting	12/27/2011 20:50							ALL HES EMPLOYEES
Rig-Up Equipment	12/27/2011 21:00							1 F-550 PICKUP 1 HT-400 PUMP TRUCK 1 660 BULK TRUCK
Pre-Job Safety Meeting	12/27/2011 23:45							ALL HES EMPLOYEES AND RIG CREW
Rig-Up Completed	12/27/2011 23:59							RIG CIRCULATED FOR 1 HOUR PRIOR TO JOB CIRCULATED THROUGH CEMENT HEAD
Start Job	12/27/2011 23:59							TD: 820 TP: 806 SJ: 43.55 MUD WT: 9.8 PPG 9 5/8 32.3# CSG 13 1/2 OH
Test Lines	12/28/2011 00:01					3440.0		PRESSURE TEST OK
Pump Spacer	12/28/2011 00:06		4	20	20		138.0	FRESH WATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	12/28/2011 00:14		8	84.6	84.6		489.0	225 SKS 12.8 PPG 2.11 YIELD 11.75 GAL/SK TAIL CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGHOUT TAIL CEMENT CEMENT GOT LIGHT AT END OF TAIL CEMENT HAD OPERATOR SHUT DOWN
Shutdown	12/28/2011 00:26							
Drop Plug	12/28/2011 00:26							PLUG AWAY NO PROBLEMS UNABLE TO WASH UP ON TOP OF PLUG HAD LIGHT CEMENT LEFT IN TUB
Pump Displacement	12/28/2011 00:28		10	60	60		617.0	FRESH WATER
Slow Rate	12/28/2011 00:34		2	50	50		200.0	SLOW RATE TO BUMP PLUG
Bump Plug	12/28/2011 00:37		2	60	60		833.0	PSI BEFORE BUMPING PLUG @ 200 PSI BUMPED PLUG UP TO 833 PSI
Check Floats	12/28/2011 00:40							FLOATS HELD GOT 1/2 BBL BACK INTO DISPLACEMENT TANK
End Job	12/28/2011 00:40							GOOD CIRCULATION THROUGHOUT JOB NO PIPE MOVEMENT DURING JOB 15 BBLS CEMENT TO SURFACE
Pre-Rig Down Safety Meeting	12/28/2011 00:50							ALL HES EMPLOYEES
Rig-Down Equipment	12/28/2011 01:20							
Pre-Convoy Safety Meeting	12/28/2011 02:20							ALL HES EMPLOYEES
Crew Leave Location	12/28/2011 02:30							THANK YOU FOR USING HALLIBURTON CEMENT DUSTIN SMITH AND CREW

WILLIAMS PRODUCTION SG 344-22

9 5/8 SURFACE



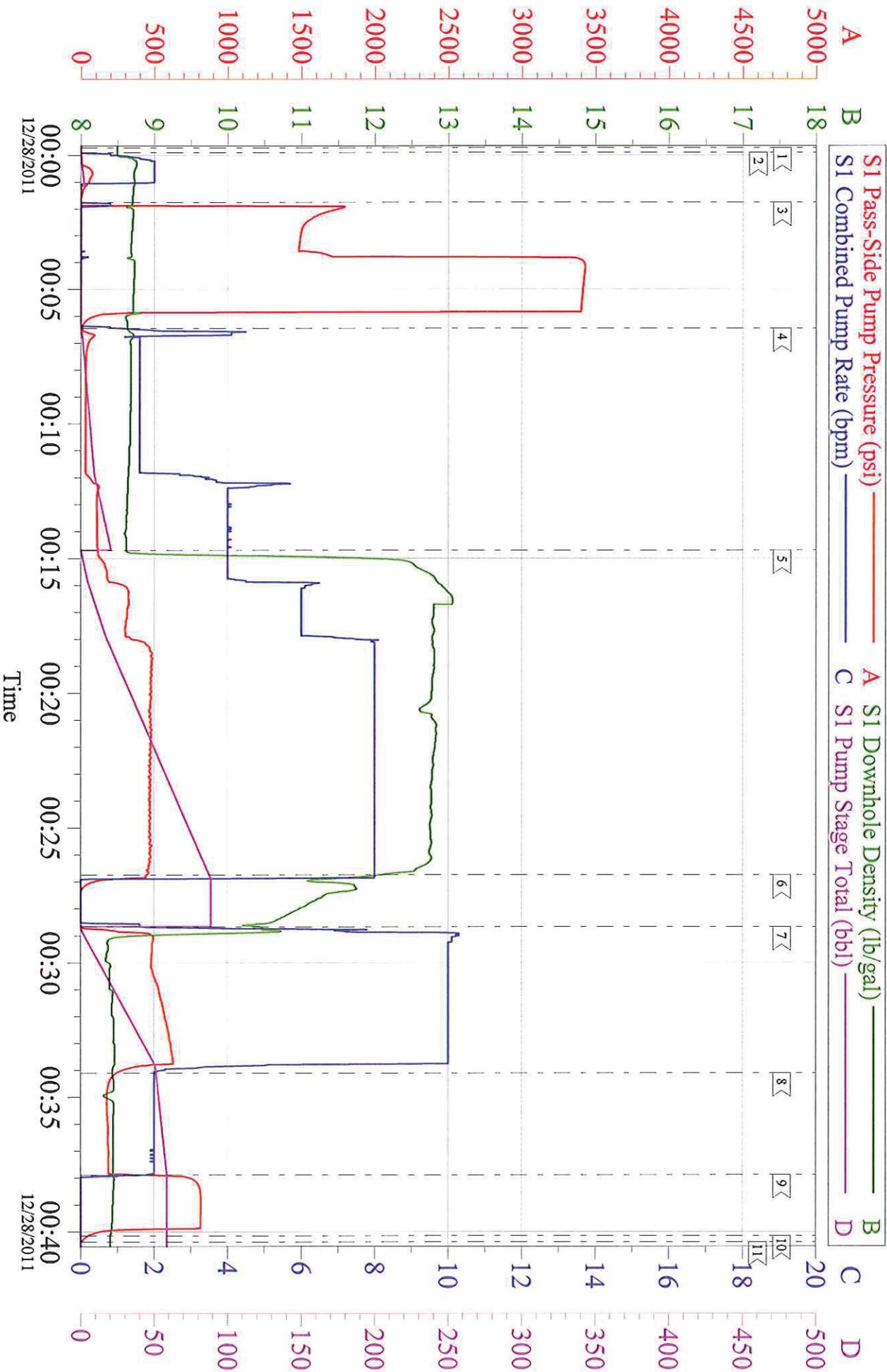
Local Event Log

1	START JOB	12/27/2011 23:59:44	2	FILL LINES	12/27/2011 23:59:54	3	TEST LINES	12/28/2011 00:01:46
4	PUMP SPACER	12/28/2011 00:06:27	5	PUMP TAIL CEMENT	12/28/2011 00:14:42	6	SHUTDOWN/ DROP PLUG	12/28/2011 00:26:45
7	PUMP DISPLACEMENT	12/28/2011 00:28:40	8	SLOW RATE	12/28/2011 00:34:06	9	BUMP PLUG	12/28/2011 00:37:53
10	CHECK FLOATS	12/28/2011 00:40:09	11	END JOB	12/28/2011 00:40:23			

Customer:	WILLIAMS PRODUCTION	Job Date:	27-Dec-2011	Sales Order #:	9133493
Well Description:	SG 344-22	Job Type:	9 5/8 SURFACE	ADC Used:	YES
Company Rep:	MIKE OLSEN	Cement Supervisor:	DUSTIN SMITH	Elite #:	7
				BRENDAN BURKE	

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9 5/8 SURFACE



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 Well Description: SG 344-22
 Company Rep: MIKE OLSEN

Job Date: 27-Dec-2011
 Job Type: 9 5/8 SURFACE
 Cement Supervisor: DUSTIN SMITH

Sales Order #: 9133493
 ADC Used: YES
 Elite #: 7

BRENDAN BURKE
 OptiCem v6.4.10
 28-Dec-11 00:48