

HALLIBURTON

WILLIAMS PRODUCTION RMT INC - EBUS

GM 522-23
GRAND VALLEY
Garfield County , Colorado

Cement Surface Casing

29-Sep-2011

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2879085	Quote #:	Sales Order #: 8478418
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Customer Rep: Klatt, Brian	
Well Name: GM	Well #: 522-23	API/UWI #: 05-045-20482	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.506 deg. OR N 39 deg. 30 min. 22.64 secs.		Long: W 108.083 deg. OR W -109 deg. 55 min. 0.959 secs.	
Contractor: NABORS	Rig/Platform Name/Num: NABORS 576		
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: KOHL, KYLE		Srcv Supervisor: ANGLESTEIN, TROY MBU ID Emp #: 436099	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANGLESTEIN, TROY Edward WM	7.5	436099	JENSEN, JESSE Robert	7.5	478774	KEANE, JOHN Donovon	7.5	486519
WALPOLE, DARREN Livingston	7.5	485294						

Equipment

HES Unit #	Distance-1 way						
10551730C	60 mile	10592964	60 mile	10744549	60 mile	10973571	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
9/29/2011	7	1	9/30/2011	.5	0			

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	29 - Sep - 2011	14:00	MST
Form Type	BHST		On Location	29 - Sep - 2011	17:00	MST
Job depth MD	950. ft	Job Depth TVD	Job Started	29 - Sep - 2011	22:19	MST
Water Depth		Wk Ht Above Floor	Job Completed	29 - Sep - 2011	23:03	MST
Perforation Depth (MD)	From	To	Departed Loc	30 - Sep - 2011	00:30	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
OPEN HOLE SECTION				13.5				.	950.		
SURFACE CASING	Unknown		9.625	8.921	36.		H-40	.	935.		

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	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					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	6.0	
2	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	260.0	sacks	12.8	2.11	11.76	8	11.76
	11.76 Gal	FRESH WATER							
3	Displacement Fluid		69.00	bbl	8.34	.0	.0	10	
Calculated Values		Pressures			Volumes				
Displacement	68.9	Shut In: Instant		Lost Returns	0	Cement Slurry	89.9	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	5	Actual Displacement	68.9	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	186.6
Rates									
Circulating	14	Mixing	8	Displacement	10	Avg. Job	8		
Cement Left In Pipe	Amount	43.68 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					

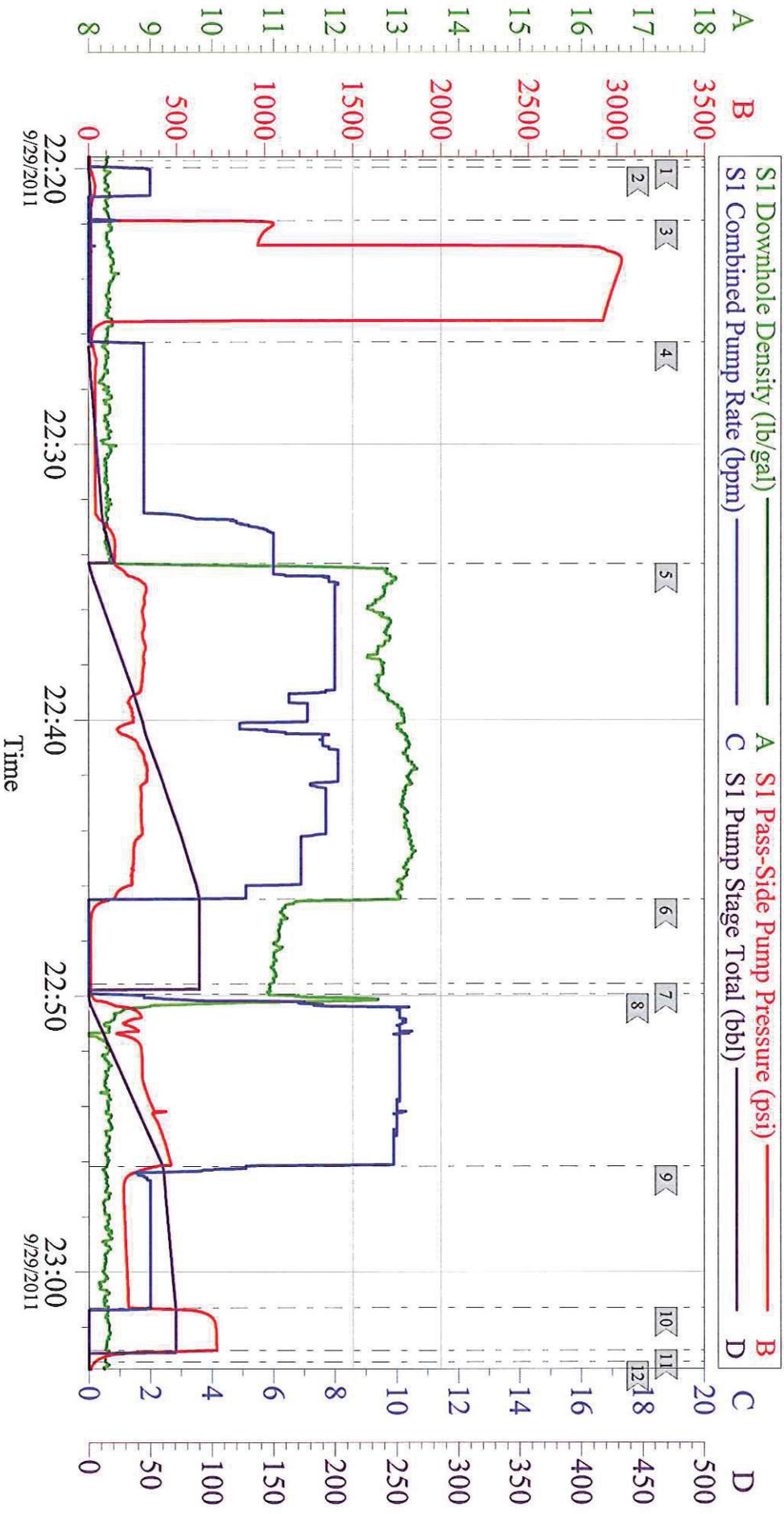
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Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
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Contractor: NABORS		Rig/Platform Name/Num: NABORS 576	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: KOHL, KYLE		Srvc Supervisor: ANGLESTEIN, TROY	MBU ID Emp #: 436099

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	09/29/2011 14:00							
Pre-Convoy Safety Meeting	09/29/2011 15:30							ALL HES EMPLOYEES
Arrive At Loc	09/29/2011 17:00							RIG STILL RUNNING CASING CIRCULATED FOR 1 HOUR
Assessment Of Location Safety Meeting	09/29/2011 17:10							ALL HES EMPLOYEES
Rig-Up Equipment	09/29/2011 21:00							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	09/29/2011 22:00							ALL HES EMPLOYEES, RIG CREW, CO REP.
Start Job	09/29/2011 22:19							9.625 CASING SET AT 935', FC 891.32', TD: 950, OPEN HOLE 13.5", MUD WT 10 PPG, 800 BBLS OF H2O ON LOCATION, WATER SAMPLE SUBMITTED.
Pump Water	09/29/2011 22:19		2	2			33.0	FILL LINES
Pressure Test	09/29/2011 22:21		0.5	0.5			3020.0	NO LEAKS
Pump Spacer 1	09/29/2011 22:26		6	20			128.0	FRESH WATER
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Pump Tail Cement	09/29/2011 22:34		8	89.9		300.0	260 SKS VERSACEM CMT TO BE MIXED AT 12.8 PPG, 2.11 YIELD, 11.75 GAL/SK, CMT TO BE WEIGHED VIA PRESSURE BALANCED MUD SCALES. WET AND DRY SAMPLES SUBMITTED. HES HAD TROUBLE MIXING CEMENT DUE TO WATER FLOWMETER GOING OUT.
Shutdown	09/29/2011 22:46						FOR NO MORE THEN 5 MINUTES,
Drop Plug	09/29/2011 22:49						PLUG LAUNCHED
Pump Displacement	09/29/2011 22:49		10	68.9		430.0	FRESHWATER
Slow Rate	09/29/2011 22:56		2	58		180.0	10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Cement Returns to Surface	09/29/2011 22:57		2	62		190.0	5 BBLS OF CEMENT TO SURFACE.
Bump Plug	09/29/2011 23:01		2	68.9		210.0	PLUG LANDED AT 720 HELD FOR TWO MINUTES
Check Floats	09/29/2011 23:02						FLOATS HOLDING, NO ANNULAR FLOW NOTED
End Job	09/29/2011 23:03						THANK YOU FOR USING HES FROM TROY ANGLESTEIN AND CREW.
Post-Job Safety Meeting (Pre Rig-Down)	09/29/2011 23:15						ALL HES EMPLOYEES
Rig-Down Equipment	09/29/2011 23:30						SAFELY
Pre-Convoy Safety Meeting	09/30/2011 00:15						ALL HES EMPLOYEES
Crew Leave Location	09/30/2011 00:30						SITE WAS AS CLEAN AS WHEN WE ARRIVED

WILLIAMS GM 522-23 SURFACE

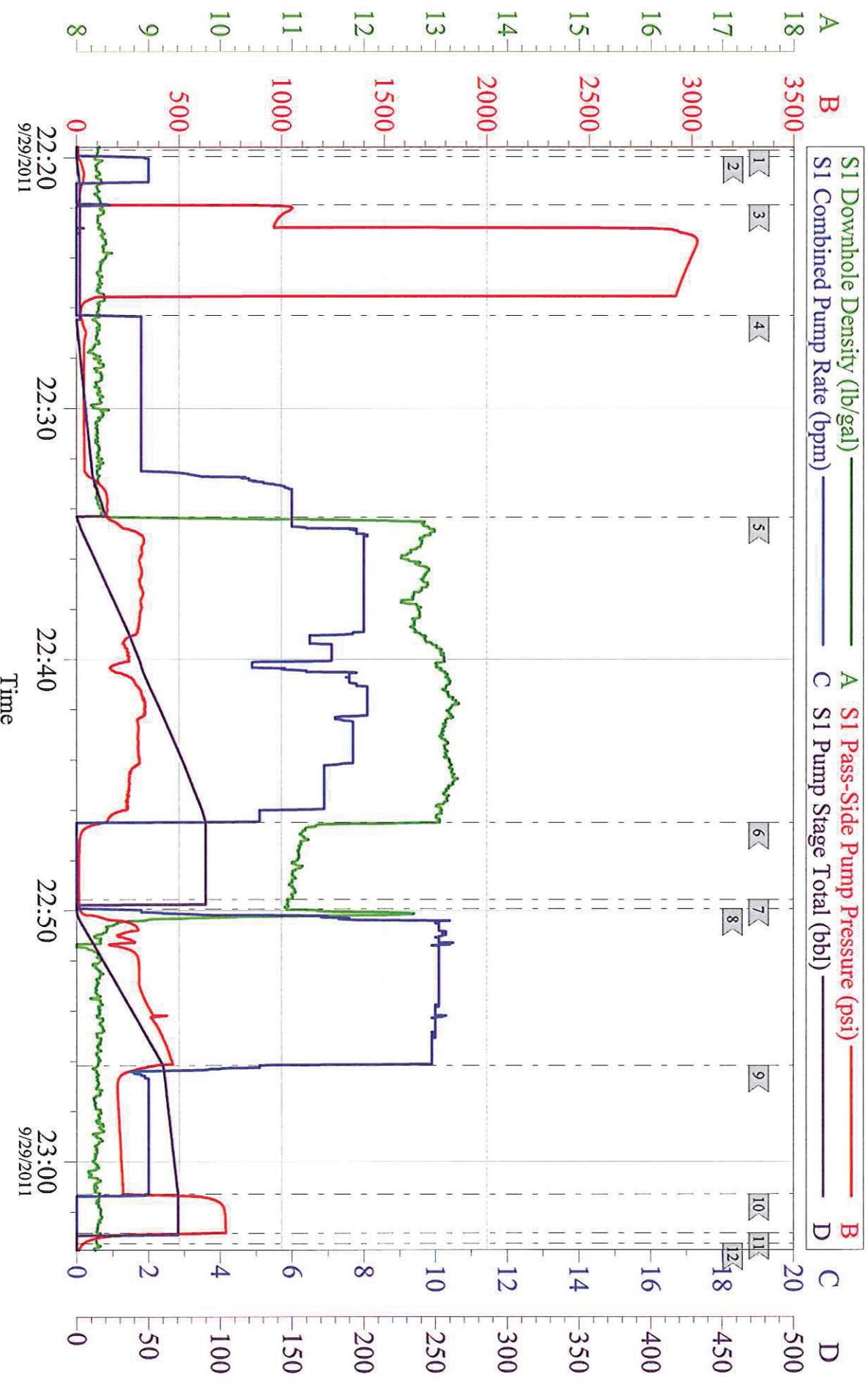


Local Event Log

1	START JOB	22:19:42	2	FILL LINES	22:19:57	3	TEST LINES	22:21:53
4	PUMP H2O SPACER	22:26:18	5	PUMP TAIL CEMENT	22:34:20	6	SHUTDOWN	22:46:29
7	DROP PLUG	22:49:34	8	PUMP DISPLACEMENT	22:49:56	9	SLOW RATE	22:56:10
10	BUMP PLUG	23:01:18	11	CHECK FLOATS	23:02:51	12	END JOB	23:03:16

Customer: WILLIAMS	Job Date: 29-Sep-2011	Sales Order #: 8478418
Well Description: GM 522-23	Job Type: SURFACE	ADC Used: YES
Company Rep: BRIAN KLATT	Cement Supervisor: TROY ANGLESTEIN	Elite #: 2
		JESSE JENSEN

WILLIAMS GM 522-23 SURFACE



Customer: WILLIAMS	Job Date: 29-Sep-2011
Well Description: GM 522-23	Job Type: SURFACE
Company Rep: BRIAN KLATT	Cement Supervisor: TROY ANGLESTEIN
Sales Order #: 8478418	ADC Used: YES
Elite #: 2	JESSE JENSEN