
WILLIAMS PRODUCTION RMT INC EBUSINE

GM 522-6

Garfield County , Colorado

Squeeze Perfs

20-Mar-2010

Post Job Report

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2689589	Quote #:	Sales Order #: 7252499
Customer: WILLIAMS PRODUCTION RMT INC EBUSINE		Customer Rep: Dunnik, Brian	
Well Name: GM	Well #: 522-6	API/UWI #:	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.469 deg. OR N 39 deg. 28 min. 10.182 secs.		Long: W 108.155 deg. OR W -109 deg. 50 min. 42.511 secs.	
Contractor: WORKOVER	Rig/Platform Name/Num: WORKOVER		
Job Purpose: Squeeze Open Hole			
Well Type: Development Well		Job Type: Squeeze Open Hole	
Sales Person: KOHL, KYLE		Srvc Supervisor: HONE, AARON	MBU ID Emp #: 381285

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BROWN, TRAVIS A		396848	DOUT, JACOB J		430298	HONE, AARON D		381285

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248065	60 mile	10744648C	60 mile	10998508	60 mile	11259882	60 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
3/20/10	8.5	6						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD) Top	Bottom	Called Out	Date	Time	Time Zone
Form Type		BHST	On Location	20 - Mar - 2010	06:30	MST
Job depth MD	5445. ft	Job Depth TVD	Job Started	20 - Mar - 2010	09:19	MST
Water Depth		Wk Ht Above Floor	Job Completed	20 - Mar - 2010	11:56	MST
Perforation Depth (MD) From		To	Departed Loc	20 - Mar - 2010	14:30	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
Sales/Rental/3 rd Party (HES)											

Description	Qty	Qty uom	Depth	Supplier
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			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
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		

HALLIBURTON

Cementing Job Summary

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		10.00	bbl	8.34	.0	.0	.0	
2	Tail Cement	SQUEEZECEM (TM) SYSTEM (452971)	50.0	sacks	17.	.99	3.77		3.77
3	Displacement		21.00	bbl	.	.0	.0	.0	
Calculated Values		Pressures		Volumes					
Displacement	20.7	Shut In: Instant		Lost Returns		Cement Slurry	10.6	Pad	
Top Of Cement		5 Min		Cement Returns	2.5	Actual Displacement	20.9	Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating	.3	Mixing		.5	Displacement		.7	Avg. Job	.5
Cement Left In Pipe	Amount	0 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

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2689589	Quote #:	Sales Order #: 7252499
Customer: WILLIAMS PRODUCTION RMT INC EBUSINE		Customer Rep: Dunnik, Brian	
Well Name: GM	Well #: 522-6	API/UWI #:	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.469 deg. OR N 39 deg. 28 min. 10.182 secs.		Long: W 108.155 deg. OR W -109 deg. 50 min. 42.511 secs.	
Contractor: WORKOVER		Rig/Platform Name/Num: WORKOVER	
Job Purpose: Squeeze Open Hole			Ticket Amount:
Well Type: Development Well		Job Type: Squeeze Open Hole	
Sales Person: KOHL, KYLE		Srvc Supervisor: HONE, AARON	MBU ID Emp #: 381285

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/20/2010 03:00							
Pre-Convoy Safety Meeting	03/20/2010 04:20							
Crew Leave Yard	03/20/2010 04:30							
Arrive At Loc	03/20/2010 06:00							Crew at bottom of <i>-Per Col</i> location chained up. Waited for CAT to grade road and pull trucks up.
Assessment Of Location Safety Meeting	03/20/2010 07:00							
Pre-Rig Up Safety Meeting	03/20/2010 07:10							
Rig-Up Equipment	03/20/2010 07:20							
Pre-Job Safety Meeting	03/20/2010 09:00							
Start Job	03/20/2010 09:19							
Test Lines	03/20/2010 09:21							TEST PUMP TRUCK
Test Lines	03/20/2010 09:29							TEST LINES
Event	03/20/2010 09:34							RIG PRESSURED UP BACKSIDE TO 1000 PSI. HAD TROUBLE WITH SETTING PACKER. HAD COMMUNICATION TO TUBING.
Event	03/20/2010 09:46							HAD OPERATOR CIRCULATE PUMP TO KEEP FROM FREEZING UP WHILE RIG SET PACKER.

Sold To #: 300721

Ship To #: 2689589

Quote # :

Sales Order #: 7252499

SUMMIT Version: 7.20.130

Sunday, March 21, 2010 01:36:00

HALLIBURTON

Cementing Job Log

Injection Test	03/20/2010 09:49		0.3	10		1960. 0	1200. 0	FRESH WATER
ISIP	03/20/2010 10:19					250.0		

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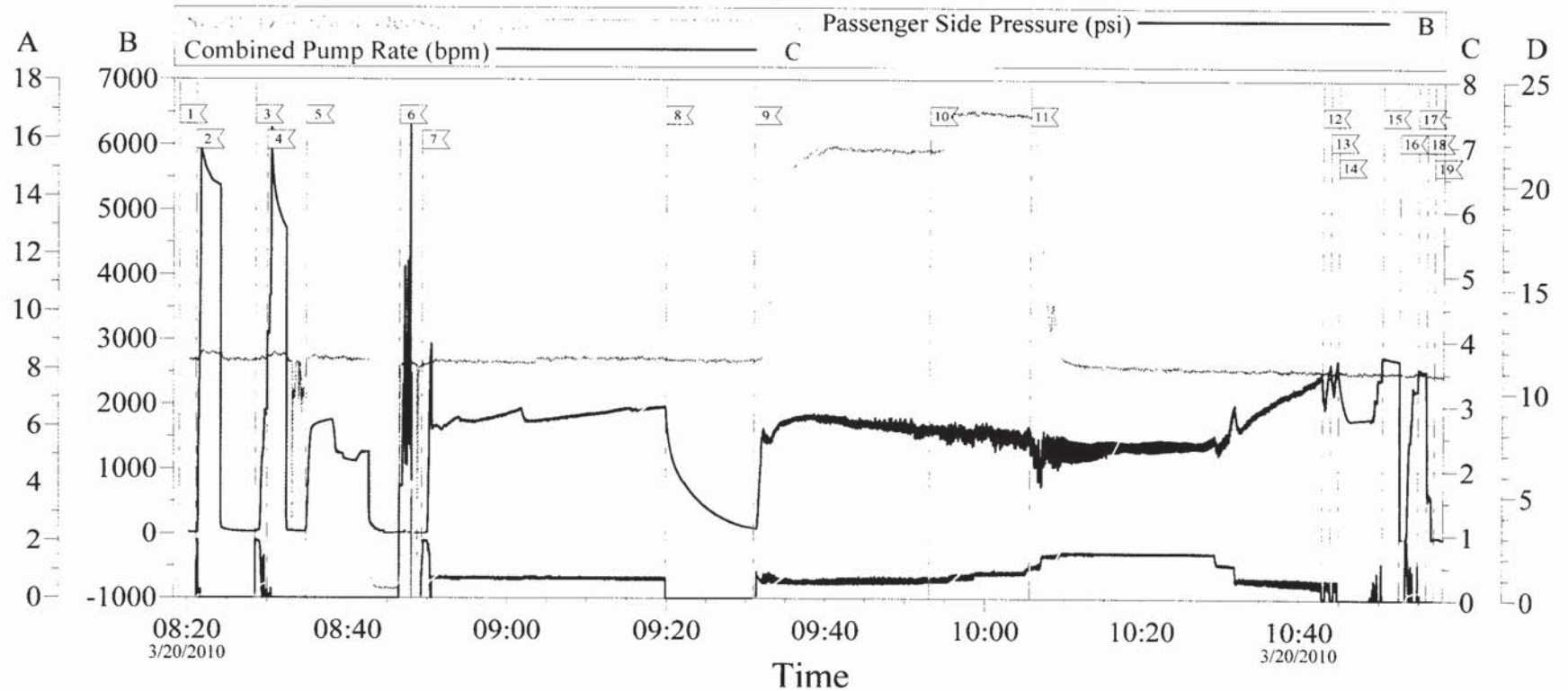
Sunday, March 21, 2010 01:36:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bb/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	03/20/2010 10:30		0.3	6		1810. 0	1200. 0	SQUEEZECM- 25 SKS, 15.8 PPG, 1.36 FT3/SK, 5.67 GAL/SK
Pump Tail Cement	03/20/2010 10:53		0.5	4.6		1589. 0	1200. 0	SQUEEZECM-25 SKS, 17 PPG, .99 FT3/SK, 3.77 GAL/SK
Pump Displacement	03/20/2010 11:05		0.7	20.7		1385. 0	1200. 0	FRESH WATER
Shutdown	03/20/2010 11:42		0.2	20.5		2600. 0		HESITATE 1
Shutdown	03/20/2010 11:43		0.2	20.7		2580. 0		HESITATE 2
Shutdown	03/20/2010 11:44		0.2	20.8		2600. 0		HESITATE 3
Shutdown	03/20/2010 11:50		0.2	20.9		2741. 0		HESITATE 4
Shutdown	03/20/2010 11:52							RELEASE PRESSURE
Resume Squeeze	03/20/2010 11:54		0.3	0.4		2540. 0		
Shutdown	03/20/2010 11:55							RELEASE PRESSURE TO 700 PSI.
End Job	03/20/2010 11:56							RIG TOOK OVER TO UNSET PACKER AND REVERSE CIRCULATE. 24 BBLs CIRCULATED AT 3 BPM. 2.5 BBLs CMT CIRCULATED OUT OF TUBING.
Pre-Rig Down Safety Meeting	03/20/2010 12:20							
Rig-Down Equipment	03/20/2010 12:30							
Pre-Convoy Safety Meeting	03/20/2010 14:20							
Crew Leave Location	03/20/2010 14:30							THANK YOU FOR USING HALLIBURTON.

WILLIAMS SQUEEZE



Event Log								
1	START JOB	08:19:04	2	TEST PUMP	08:21:12	3	FILL LINES	08:28:31
4	TEST LINES	08:29:58	5	RIG LOADED BACKSIDE	08:34:48	6	CIRCULATE PUMP	08:46:27
7	INJECTION RATE	08:49:15	8	L.S.I.P	09:19:50	9	LEAD CEMENT	09:30:58
10	TAIL CEMENT	09:53:01	11	DISPLACEMENT	10:05:35	12	HESITATE 1	10:42:51
13	HESITATE 2	10:43:53	14	HESITATE 3	10:44:52	15	HESITATE 4	10:50:22
16	RELEASE PRESSURE	10:52:30	17	SQUEEZE	10:54:49	18	RELEASE PRESSURE	10:55:54
19	TURN OVER TO RIG/END JOB	10:56:53						

Customer: Williams	Job Date: 03/20/10	Sales Order: 7252499
Well Desc: GM 522-6	Job Type: Squeeze	ADC Used: Yes
Company Rep: Brian Dunnik	Cement Supervisor: Aaron Hone	Elite#/ Operator: 6/ Travis Brown

TG Version G3.4.1
21-Mar-10 13:06