

HALLIBURTON

WILLIAMS PRODUCTION RMT INC - EBUS

**GM 512-23
GRAND VALLEY
Garfield County , Colorado**

Cement Surface Casing
23-Jul-2011

Post Job Surface PJR

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2865864	Quote #:	Sales Order #: 8321371
Customer: WILLIAMS PRODUCTION RMT INC - EBUS	Customer Rep: Hartl, Al		
Well Name: GM	Well #: 512-23	API/UWI #: 05-045-20464	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.506 deg. OR N 39 deg. 30 min. 22.619 secs.	Long: W 108.083 deg. OR W -109 deg. 55 min. 0.548 secs.		
Contractor: NABORS 576	Rig/Platform Name/Num: NABORS 576		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: KOHL, KYLE	Srv Supervisor: SMITH, CHRISTOPHER	MBU ID Emp #: 452619	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HAYES, JESSE Doug		403601	LEIST, JAMES R		362787	SMITH, CHRISTOPHER Scott		452619

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10744648C	60 mile	10784064	60 mile	10998508	60 mile	11006314	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

TOTAL Total is the sum of each column separately

Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To
				BHST	980. ft	980. ft				
							Wk Ht Above Floor			
						4. ft				

Job Times

Date	Time	Time Zone
23 - Jul - 2011	14:00	MST
23 - Jul - 2011	18:00	MST
23 - Jul - 2011	21:05	MST
23 - Jul - 2011	21:53	MST
23 - Jul - 2011	23:00	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
13.5 OPEN HOLE				13.5				.	980.		
SURFACE CASING	Unknown		9.625	9.001	32.3		H-40	.	962.1		

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			
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

HALLIBURTON***Cementing Job Summary***

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	.0			
2	Tail Cement	VERSACEM (TM) SYSTEM (452010)	250.0	sacks	12.8	2.11	11.75		11.75		
3	Displacement Fluid		72.00	bbl	8.34	.0	.0	.0			
Calculated Values		Pressures		Volumes							
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad			
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment			
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job			
Rates											
Circulating		Mixing		Displacement		Avg. Job					
Cement Left In Pipe		Amount	38.4 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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Job Purpose: Cement Surface Casing	Ticket Amount:		
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: KOHL, KYLE	Srvc Supervisor: SMITH, CHRISTOPHER	MBU ID Emp #: 452619	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive at Location from Other Job or Site	07/23/2011 18:00							RIG RUNNING CASEING.
Assessment Of Location Safety Meeting	07/23/2011 19:00							ALL HES PERSONEL
Rig-Up Equipment	07/23/2011 19:16							
Pre-Job Safety Meeting	07/23/2011 20:50							ALL HES PERSONEL AND RIG CREW
Start Job	07/23/2011 21:05							TD 980', TP 962.14", SJ 38.4', OH 14.75", CSG 9.625" 32.3 # H 40 , MUD 10.1 PPG.
Other	07/23/2011 21:06		2	2			25.0	FILL LINES, USED 6X5 TO FILL LINES
Pressure Test	07/23/2011 21:11		0.5	0.5				LOW PSI TEST, ALL LINES HELD 1240 PSI
Pressure Test	07/23/2011 21:12		0.5	0.5				HIGH PSI TEST, ALL LINES HELD 3011 PSI
Pump Spacer 1	07/23/2011 21:16		4	20			100.0	FRESH WATER
Pump Tail Cement	07/23/2011 21:23		8	93.9			360.0	250 SKS, 12.8 PPG, 2.11 FT3/ SK, 11.75 GAL/SK, SET UP TIME 2:22 @ 70 BC
Shutdown	07/23/2011 21:36							WASH UP ON TOP OF PLUG, PER COMP REP.
Drop Top Plug	07/23/2011 21:38							PLUG WENT
Pump Displacement	07/23/2011 21:39		10	62.7			535.0	FRESH WATER
Slow Rate	07/23/2011 21:48		2	10			240.0	
Bump Plug	07/23/2011 21:51						875.0	PLUG BUMPED

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8321371

SUMMIT Version: 7.20.130

Saturday, July 23, 2011 10:17:00

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Check Floats	07/23/2011 21:53							FLOATS HELD
End Job	07/23/2011 21:53							GOOD CIRCULATION THROUGHOUT JOB, 10 BBLS OF CEMENT TO SURFACE, PIPE WAS NOT MOVED DURING THE JOB.
Post-Job Safety Meeting (Pre Rig-Down)	07/23/2011 21:55							ALL HES PERSONEL
Rig-Down Completed	07/23/2011 22:45							
Depart Location Safety Meeting	07/23/2011 22:55							ALL HES PERSONEL
Crew Leave Location	07/23/2011 23:00							
Other	07/23/2011 23:00							THANK YOU FOR CHOOSING HALLIBURTON, CHRIS SMITH AND CREW

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