
WILLIAMS PRODUCTION RMT INC - EBUS

**GM 333-22
GRANDVALLEY
Garfield County , Colorado**

Cement Surface Casing
30-May-2011

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2853749	Quote #:	Sales Order #: 8160225
Customer: WILLIAMS PRODUCTION RMT INC - EBUS	Customer Rep: Hartl, Al		
Well Name: GM	Well #: 333-22	API/UWI #:	
Field: GRANDVALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.506 deg. OR N 39 deg. 30 min. 22.799 secs.	Long: W 108.083 deg. OR W -109 deg. 55 min. 0.221 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: SCOTT, KYLE	Srv Supervisor: HOEFER, BRYAN	MBU ID Emp #: 415775	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANDERSON, ADAM S	4.5	456683	HARDRICK, RAYMOND Frank	4.5	391324	HAYES, DIRK A	4.5	336768
HOEFER, BRYAN D	4.5	415775	JENKINS, DEMON Lashaun	4.5	457892			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248065	60 mile	10784080	60 mile	10804579	60 mile	10872429	60 mile
11259885	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
5/30/2011	4.5	1						

TOTAL	Total is the sum of each column separately							
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Job

Formation Name					Date	Time	Time Zone	
Formation Depth (MD)	Top		Bottom		Called Out	30 - May - 2011	00:40	MST
Form Type			BHST		On Location	30 - May - 2011	04:30	MST
Job depth MD	1325. ft		Job Depth TVD	1325. ft	Job Started	30 - May - 2011	07:02	MST
Water Depth			Wk Ht Above Floor	4. ft	Job Completed	30 - May - 2011	07:51	MST
Perforation Depth (MD)	From		To		Departed Loc			

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
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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	
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625"	1	
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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
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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 Spacer		20.00	bbl	.	.0	.0	4	
2	VersaCem Lead	VERSACEM (TM) SYSTEM (452010)	190.0	sacks	12.3	2.38	13.75	8	13.75
3	VersaCem Tail	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.76	8	11.76
11.76 Gal		FRESH WATER							
4	Displacement Fluid		97.2	bbl	8.34	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	97.2	Shut In: Instant		Lost Returns	0	Cement Slurry	140.6	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	45	Actual Displacement	97.2	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	
Rates									
Circulating	8	Mixing	8	Displacement	10	Avg. Job	9		
Cement Left In Pipe	Amount	41.74ft	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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Well Name: GM		Well #: 333-22	API/UWI #:
Field: GRANDVALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.506 deg. OR N 39 deg. 30 min. 22.799 secs.		Long: W 108.083 deg. OR W -109 deg. 55 min. 0.221 secs.	
Contractor: NABORS 576		Rig/Platform Name/Num: NABORS 576	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: SCOTT, KYLE		Srv Supervisor: HOEFER, BRYAN	MBU ID Emp #: 415775

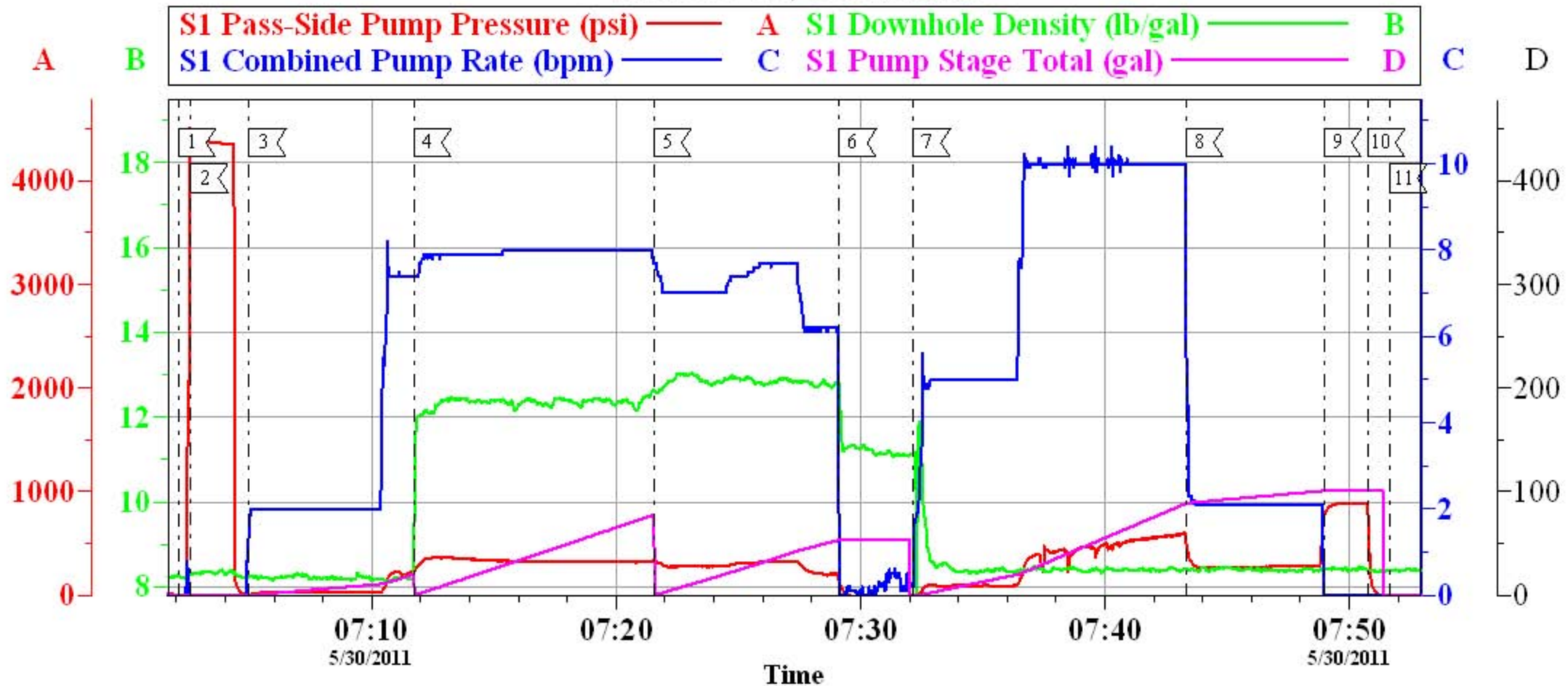
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	05/30/2011 00:40							
Pre-Convoy Safety Meeting	05/30/2011 02:55							WITH ALL HES EE'S
Depart from Service Center or Other Site	05/30/2011 03:00							
Arrive At Loc	05/30/2011 04:30							ARRIVED 1 HRS EARLY, RUNNING CASING UPON ARRIVAL
Assessment Of Location Safety Meeting	05/30/2011 04:45							WITH ALL HES EE'S
Pre-Rig Up Safety Meeting	05/30/2011 05:30							WITH ALL HES EE'S
Rig-Up Equipment	05/30/2011 05:35							IRON TO FLOOR, WATER LINES, 2 660 BULK TRUCK, F-550
Pre-Job Safety Meeting	05/30/2011 06:45							WITH ALL HES EE'S AND RIG CREW
Start Job	05/30/2011 07:02							TD-1325', TP-1276.3', SJ-41.74', MUD-9.4#, OH-, 13.5" 9 5/8" CASING 32.3#
Prime Pumps	05/30/2011 07:02		2	2			46.0	FRESH WATER
Test Lines	05/30/2011 07:02		0.5	0.5			4200.0	TESTED TO 4200psi, TEST HELD GREAT
Pump Spacer	05/30/2011 07:04		8	20			240.0	FRESH WATER
Pump Lead Cement	05/30/2011 07:11		8	80.5			350.0	160sks OF VERSACEM PUMPED @ 12.3#, 2.38 ft3/sk, 13.75 gal/sk
Pump Tail Cement	05/30/2011 07:21		8	60.1			340.0	160sks OF VERSACEM PUMPED @ 12.8#, 2.11 ft3/sk, 11.76 gal/sk

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Shutdown	05/30/2011 07:29							
Drop Top Plug	05/30/2011 07:30							DRILLER VERIFIED PLUG LEFT HEAD
Pump Displacement	05/30/2011 07:32		10	97.2			610.0	FRESH WATER
Slow Rate	05/30/2011 07:43		2	87			280.0	LAST 10 BBLS
Bump Plug	05/30/2011 07:48		2	97.2			1000.0	TOOK 500psi OVER
Check Floats	05/30/2011 07:50							FLOATS HELD
End Job	05/30/2011 07:51							GOOD RETURNS THROUGHOUT JOB, 45 BBLS OF CEMENT BACK TO THE PIT
Post-Job Safety Meeting (Pre Rig-Down)	05/30/2011 07:55							WITH ALL HES EE'S
Rig-Down Equipment	05/30/2011 08:30							
Pre-Convoy Safety Meeting	05/30/2011 08:55							WITH ALL HES EE'S
Depart Location for Service Center or Other Site	05/30/2011 09:00							THANK YOU FOR USING GRAND JUNCTION HALLIBURTON CEMENT, BRYAN HOEFER AND CREW

WILLIAMS

GM-333-22, SURFACE



Local Event Log					
	Maximum	SPPP		Maximum	SPPP
1	START JOB	07:02:06 4508	2	TEST LINES	07:02:36 4499
3	PUMP SPACER	07:04:58 229.3	4	PUMP LEAD CEMENT	07:11:43 364.3
5	PUMP TAIL CEMENT	07:21:32 331.3	6	SHUT DOWN/DROP TOP PLUG	07:29:08 152.3
7	PUMP DISPLACEMENT	07:32:09 603.3	8	SLOW RATE	07:43:19 767.3
9	BUMP PLUG	07:48:58 889.3	10	CHECK FLOATS	07:50:45 814.3
11	END JOB	07:51:39 -14.70			

Customer: WILLIAMS
Well Description: GM-333-22
Customer Rep: AL HARTL

Job Date: 30-May-2011
Job type: SURFACE
Service Supervisor: BRYAN HOEFER

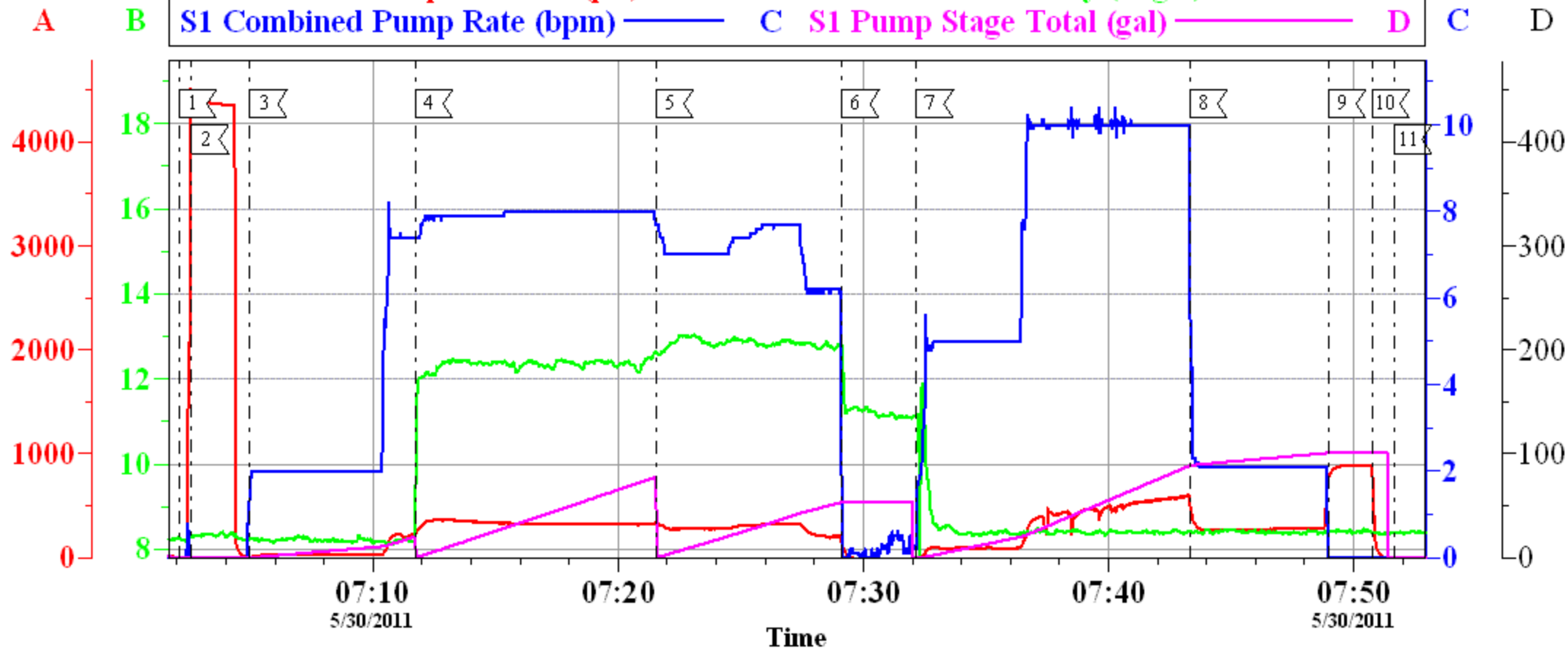
Sales Order #: 8160225
ADC Used: YES
Operator/ Pump: ANDERSON/#8

OptiCern v6.4.9
30-May-11 08:02

WILLIAMS

GM-333-22, SURFACE

S1 Pass-Side Pump Pressure (psi) — **A** **S1 Downhole Density (lb/gal)** — **B**
S1 Combined Pump Rate (bpm) — **C** **S1 Pump Stage Total (gal)** — **D**



Sales Order #: 8160225	Line Item: 10	Survey Conducted Date: 5/30/2011
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL HARTL		API / UWI: (leave blank if unknown) AFEYSQ33JWJCXWMHAAA
Well Name: GM		Well Number: 333-22
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

Dear Customer,

We hope that you were satisfied with the service quality of this job performed by Halliburton. It is the aim of our management and service personnel to deliver equipment and service of a standard unmatched in the service sector of the energy industry.

Please take the time to let us know if our performance met with your satisfaction. Please be as critical as possible to ensure we constantly improve our service. Your comments are of great value to us and are intended for the exclusive use of Halliburton.

CUSTOMER SATISFACTION SURVEY

CATEGORY	CUSTOMER SATISFACTION RESPONSE	
Survey Conducted Date	The date the survey was conducted	5/30/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	BRYAN HOEFER (HB40569)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	AL HARTL
HSE	Was our HSE performance satisfactory? Circle Y or N	Yes
Equipment	Were you satisfied with our Equipment? Circle Y or N	Yes
Personnel	Were you satisfied with our people? Circle Y or N	Yes
Customer Comment	Customer's Comment	
Job DVA	Did we provide job DVA above our normal service today? Circle Y or N	No
Time	Please enter hours in decimal format to nearest quarter hour.	
Other	Enter short text for other efficiencies gained.	
Customer Initials	Customer's Initials	
Please provide details	Please describe how the job efficiencies were gained.	

CUSTOMER SIGNATURE

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Customer Representative: AL HARTL		API / UWI: (leave blank if unknown) AFEYSQ33JWJCXWMHAAA
Well Name: GM		Well Number: 333-22
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	5/30/2011

Cementing KPI Survey	
Type of Job Select the type of job. (Cementing or Non-Cementing)	0
Select the Maximum Deviation range for this Job What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	2
HSE Incident, Accident, Injury HSE Incident, Accident, Injury. This should be recordable incidents only.	No
Was the job purpose achieved? Was the job delivered correctly as per customer agreed design?	Yes
Operating Hours (Pumping Hours) Total number of hours pumping fluid on this job. Enter in decimal format.	1
Customer Non-Productive Rig Time (hrs) Lost time due to Halliburton in the start, execution, or completion of an ordered service or product, or delays in a follow-on service. Enter in decimal format. 0 if none.	0
Type of Rig Classification Job Was Performed Type Of Rig (classification) Job Was Performed On	Drilling Rig (Portable)
Number Of JSAs Performed Number Of Jsas Performed	6
Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time.	0
Was this a Primary Cement Job (Yes / No)	Yes

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Well Name: GM		Well Number: 333-22
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs?	Top
Mixing Density of Job Stayed in Designed Density Range (0-100%) Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	98
Was Automated Density Control Used? Was Automated Density Control (ADC) Used ?	Yes
Pump Rate (percent) of Job Stayed At Designed Pump Rate Pump Rate range defined as +/- 1bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped, multiplied by 100	98
Nbr of Remedial Sqz Jobs Rqd - Competition Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
Nbr of Remedial Plug Jobs Rqd - HES Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
Nbr of Remedial Sqz Jobs Rqd - HES Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0