
WILLIAMS PRODUCTION RMT INC

**KP 344-21
MAMM CREEK
Garfield County , Colorado**

Cement Surface Casing
15-Jan-2012

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 9185932	Quote #:	Sales Order #: 9185932
Customer: WILLIAMS PRODUCTION RMT INC - EBUS	Customer Rep: Dunihoo, Al		
Well Name: KP	Well #: 344-21	API/UWI #: 05-045-20691	
Field: MAMM CREEK	City (SAP):	County/Parish: Garfield	State: Colorado
Lat: N 39.506 deg. OR N 39 deg. 30 min. 20.329 secs.	Long: W 107.552 deg. OR W -108 deg. 26 min. 54.434 secs.		
Contractor: NABORS 573	Rig/Platform Name/Num: NABORS 573		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: SCOTT, KYLE	Srv Supervisor: MAGERS, MICHAEL	MBU ID Emp #: 339439	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BORSZICH, STEPHEN A	11	412388	GOWEN, WESLEY M	11	496205	MAGERS, MICHAEL Gerard	11	339439
SINCLAIR, DAN J	11	338784						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10783493	60 mile	10822007	60 mile	10867304	60 mile	10871245	60 mile
10998054	60 mile	11259886	60 mile	11360881	60 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
01/15/2012	11	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	14 - Jan - 2012	23:30 MST
Form Type BHST	On Location	15 - Jan - 2012	06:00 MST
Job depth MD 1370. ft	Job Depth TVD 1370. ft	Job Started	15 - Jan - 2012 15:32 MST
Water Depth	Wk Ht Above Floor 4. ft	Job Completed	15 - Jan - 2012 16:30 MST
Perforation Depth (MD) From To	Departed Loc	15 - Jan - 2012	17:00 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
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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	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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

1	Fresh Water		20.00	bbl	8.33	.0	.0	.0	
2	VersaCem Lead	VERSACEM (TM) SYSTEM (452010)	205.0	sacks	12.3	2.38	13.75		13.75
	13.75 Gal	FRESH WATER							
3	VersaCem Tail	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75		11.75
	11.75 Gal	FRESH WATER							
4	Displacement Fluid		104.00	bbl	8.34	.0	.0	.0	
Calculated Values		Pressures		Volumes					
Displacement	104	Shut In: Instant		Lost Returns	0	Cement Slurry	147	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	20	Actual Displacement	104	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	271
Rates									
Circulating	RIG	Mixing	8	Displacement	10/2	Avg. Job			8
Cement Left In Pipe	Amount	45.6 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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Well Name: KP	Well #: 344-21	API/UWI #: 05-045-20691	
Field: MAMM CREEK	City (SAP):	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.506 deg. OR N 39 deg. 30 min. 20.329 secs.		Long: W 107.552 deg. OR W -108 deg. 26 min. 54.434 secs.	
Contractor: NABORS 573		Rig/Platform Name/Num: NABORS 573	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: SCOTT, KYLE		Srv Supervisor: MAGERS, MICHAEL	MBU ID Emp #: 339439

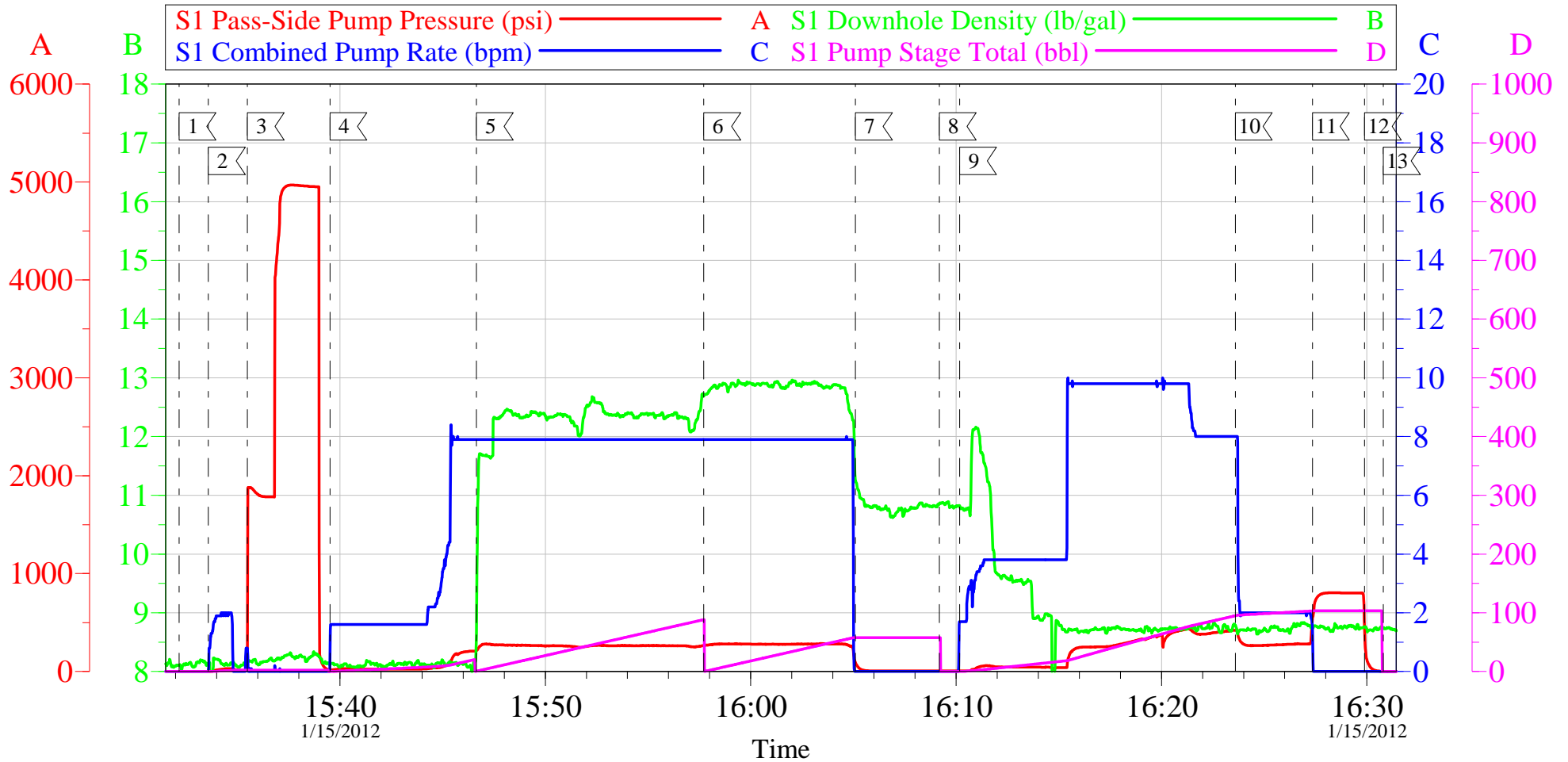
Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Crew Leave Yard	01/15/2012 02:00							HES ALL PRESENT
Arrive At Loc	01/15/2012 04:00							HES ARRIVED 2 HRS EARLY/RIG WAS STARTING TO PULL DRILL PIPE/RIG CIRCULATED FOR 1 HR WHILE HES RIGGED UP AND CASERS RIGGED DOWN
Assessment Of Location Safety Meeting	01/15/2012 04:15							LOCATION IN GOOD CONDITION/COLD WEATHER/ICY AND SNOWPACKED
Pre-Rig Up Safety Meeting	01/15/2012 14:20							JSA ON RIGGING UP
Rig-Up Equipment	01/15/2012 14:30							1 PICKUP 1 ELITE 2 BULK TRUCKS
Safety Huddle	01/15/2012 15:10							RIG CREW AND HES ALL PRESENT
Start Job	01/15/2012 15:32							TD-1370 TP-1368 SJ- 45.6 MW-9.9 CSG 9 5/8 32.3# OH-13.5
Other	01/15/2012 15:33		2	2			29.0	FILL LINES
Pressure Test	01/15/2012 15:35		0.5	0.5			4875. 0	PSI TEST OK
Pump Spacer 1	01/15/2012 15:39		2	20			74.0	FRESH WATER
Pump Lead Cement	01/15/2012 15:46		8	87			273.0	VERSACEM 205 SKS 12.3 PPG 2.38 FT3/SK 13.75 GAL/SK
Activity Description	Date/Time	Cht	Rate bbl/ min	Volume bbl		Pressure psig		Comments

Cementing Job Log

		#		Stage	Total	Tubing	Casing	
Pump Tail Cement	01/15/2012 15:57		8	60			280.0	VERSACEM 160 SKS 12.8 PPG 2.11 FT3/SK 11.75 GAL/SK
Shutdown	01/15/2012 16:05							WASH UP ON TOP OF PLUG PER COMPANY REP
Drop Plug	01/15/2012 16:09							PLUG AWAY NO PROBLEMS
Pump Displacement	01/15/2012 16:10		10	104			413.0	FRESH WATER
Slow Rate	01/15/2012 16:23		2	94			266.0	GOT 20 BBLS OF CEMENT TO SURFACE
Bump Plug	01/15/2012 16:27		2	104			286.0	BUMPED PLUG
Check Floats	01/15/2012 16:29			104			800.0	FLOATS HELD/GOT 1/2 BBL BACK INTO TANKS
End Job	01/15/2012 16:30							HAD GOOD CIRCULATION THROUGHOUT JOB/THANKS FOR USING HES AND THE CREW OF MIKE MAGERS

WILLIAMS NABORS 573 KP-344-21

9.625 SURFACE



Local Event Log

1 START JOB	15:32:10	2 FILL LINES	15:33:36	3 PRESSURE TEST	15:35:29
4 PUMP SPACER	15:39:31	5 PUMP LEAD CEMENT	15:46:39	6 PUMP TAIL CEMENT	15:57:43
7 SHUT DOWN	16:05:06	8 DROP PLUG	16:09:11	9 PUMP DISPLACEMENT	16:10:10
10 SLOW RATE	16:23:36	11 BUMP PLUG	16:27:21	12 CHECK FLOATS	16:29:53
13 END JOB	16:30:48				

Customer: WILLIAMS NABORS 573
Well Description: KP 344-21
Company Rep: AL DUNIHO

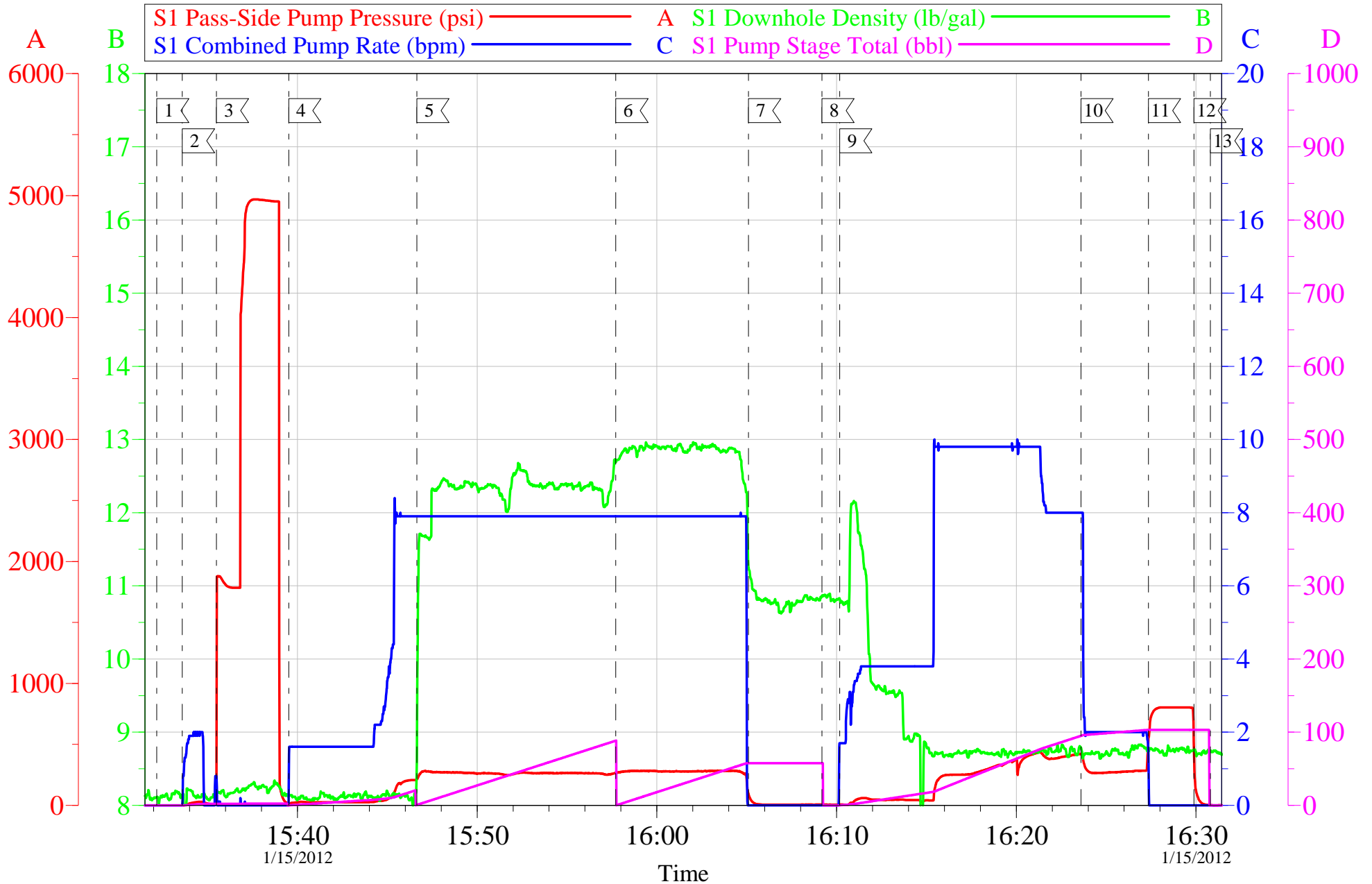
Job Date: 15-Jan-2012
Job Type: SURFACE
Cement Supervisor: MIKE MAGERS

Sales Order #: 9185932
ADC Used: YES
Elite # 8 STEVE BORSZICH

OptiCem v6.4.10
15-Jan-12 16:46

WILLIAMS NABORS 573 KP-344-21

9.625 SURFACE



Customer: WILLIAMS NABORS 573
Well Description: KP 344-21
Company Rep: AL DUNIHO

Job Date: 15-Jan-2012
Job Type: SURFACE
Cement Supervisor: MIKE MAGERS

Sales Order #: 9185932
ADC Used: YES
Elite # 8 STEVE BORSZICH

OptiCem v6.4.10
15-Jan-12 16:46

Sales Order #: 9185932	Line Item: 10	Survey Conducted Date: 1/15/2012
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) 05-045-20691
Well Name: KP		Well Number: 344-21
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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	1/15/2012
Survey Interviewer	The survey interviewer is the person who initiated the survey.	MICHAEL MAGERS (HX13672)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	AL DUNIHO
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	GOOD JOB MEN

CUSTOMER SIGNATURE

Sales Order #: 9185932	Line Item: 10	Survey Conducted Date: 1/15/2012
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Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) 05-045-20691
Well Name: KP		Well Number: 344-21
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	1/15/2012

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	4
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: KP		Well Number: 344-21
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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	94
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	95
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