
WILLIAMS PRODUCTION RMT INC - EBUS

**PA 434-20
PARACHUTE
Garfield County , Colorado**

**Cement Surface Casing
18-Oct-2011**

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2884081	Quote #:	Sales Order #: 8541628
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Customer Rep: HARRISON, JEREMY	
Well Name: PA	Well #: 434-20	API/UWI #: 05-045-20255	
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.504 deg. OR N 39 deg. 30 min. 14.35 secs.		Long: W 108.019 deg. OR W -109 deg. 58 min. 51.24 secs.	
Contractor: NABORS		Rig/Platform Name/Num: NABORS 577	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: KOHL, KYLE		Srvc Supervisor: MUHLESTEIN, RYAN MBU ID Emp #: 453609	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BROWN, TRAVIS A	8	396848	LESTER, LEVI William	8	474117	MUHLESTEIN, RYAN Herrick	8	453609

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10297346	60 mile	10951250	60 mile	11071559	60 mile	11360871	60 mile
11542767	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
10/18/11	8	3						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type		BHST	On Location	18 - Oct - 2011	02:00	MST
Job depth MD	1080. ft	Job Depth TVD	Job Started	18 - Oct - 2011	08:08	MST
Water Depth		Wk Ht Above Floor	Job Completed	18 - Oct - 2011	08:57	MST
Perforation Depth (MD)	From	To	Departed Loc	18 - Oct - 2011	10:00	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
OPEN HOLE				13.5				.	1080.		
SURFACE CASING	Unknown		9.625	9.001	32.3		H-40	.	1068.		

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	4	
2	Tail Cement	VERSACEM (TM) SYSTEM (452010)	325.0	sacks	12.8	2.11	11.75	8	11.75
11.75 Gal		FRESH WATER							
3	Displacement Fluid		80.7	bbl	8.34	.0	.0	10.0	
Calculated Values		Pressures		Volumes					
Displacement	80.7	Shut In: Instant		Lost Returns	0	Cement Slurry	122.1	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	28	Actual Displacement	80.7	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	223
Rates									
Circulating	12	Mixing		8	Displacement	10	Avg. Job	9	
Cement Left In Pipe	Amount	43.2 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					

The Road to Excellence Starts with Safety

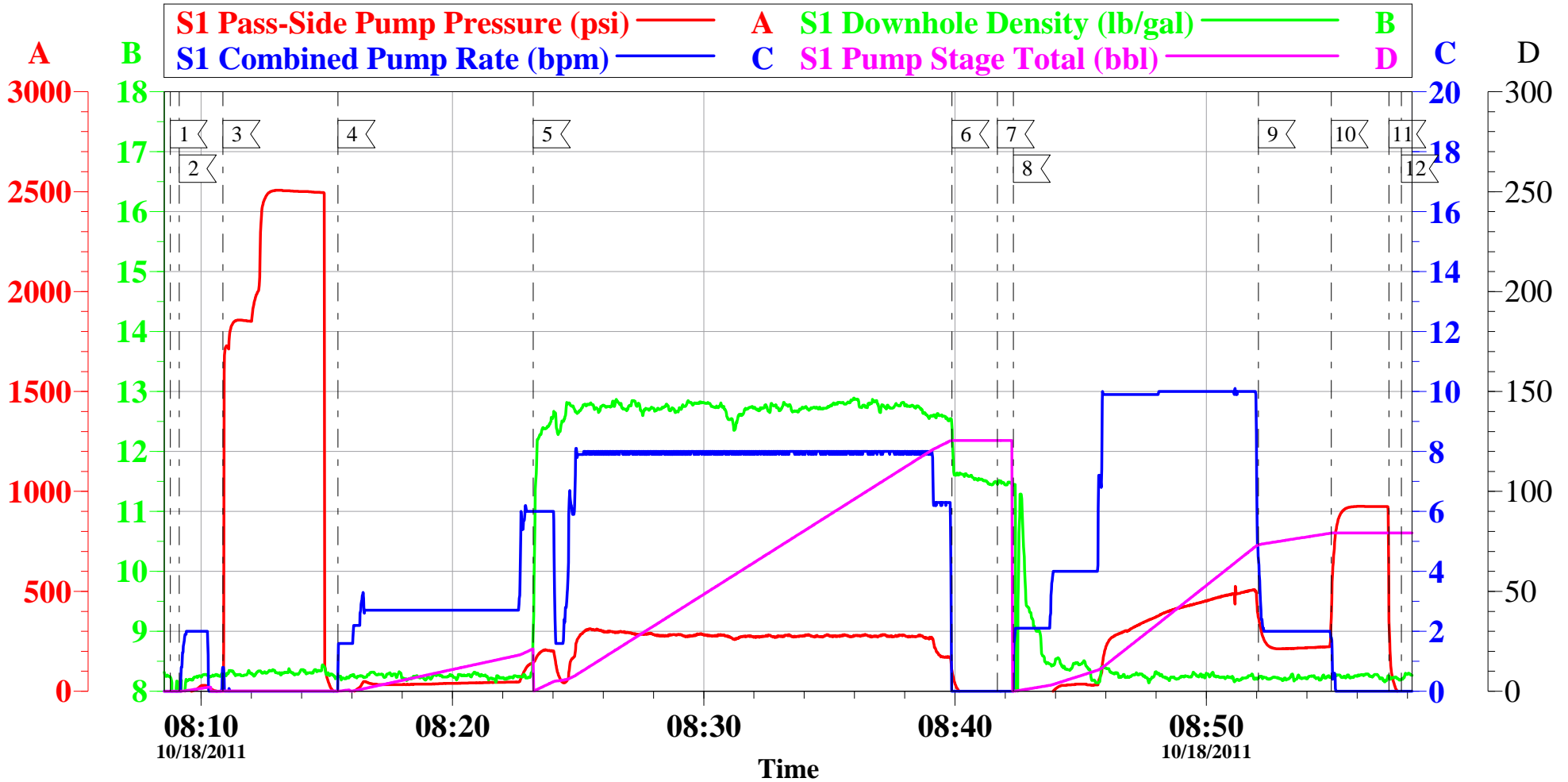
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Well Name: PA		Well #: 434-20	API/UWI #: 05-045-20255
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.504 deg. OR N 39 deg. 30 min. 14.35 secs.		Long: W 108.019 deg. OR W -109 deg. 58 min. 51.24 secs.	
Contractor: NABORS		Rig/Platform Name/Num: NABORS 577	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: KOHL, KYLE		Srvc Supervisor: MUHLESTEIN, RYAN	MBU ID Emp #: 453609

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	10/17/2011 20:00							
Pre-Convoy Safety Meeting	10/17/2011 23:00							WITH ALL HES PERSONNEL SAFE DRIVING PRACTICES AND TRAVEL ROUTE REVIEWED
Arrive at Location from Service Center	10/18/2011 02:00							RIG PULLING DRILL PIPE
Assessment Of Location Safety Meeting	10/18/2011 06:30							WITH ALL HES PERSONNEL
Other	10/18/2011 06:45							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	10/18/2011 06:55							WITH ALL HES PERSONNEL
Circulate Well	10/18/2011 06:56							RIG CIRC. 1 HR PRIOR TO CMT JOB 12 BPM 400 PSI, MUD REPORT 10 PPG, PV 21, YP 23
Rig-Up Equipment	10/18/2011 07:00							1 HT 400 PUMP, 1 660 BULK TRUCK, 1 F-450 PICK-UP, 1 PLUG CONTAINER, 2" IRON TO STAND PIPE
Pre-Job Safety Meeting	10/18/2011 07:55							WITH ALL HES PERSONNEL, RIG CREW AND CO REP
Start Job	10/18/2011 08:08							TD 1080', TP 1068', FC 1024.8', SJ 43.2', OH 13.5" CASING 9.625" 32.3# H-40
Pump Water	10/18/2011 08:09		2	2			41.0	FRESH H2O
Test Lines	10/18/2011 08:10						2515.0	HELD PRESSURE 2 MIN NO LEAKS

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 1	10/18/2011 08:15		4	20			120.0	FRESH H2O
Pump Tail Cement	10/18/2011 08:23		8	122.1			300.0	325 SKS 12.8 PPG 2.11 FT3/SK 11.75 GAL/SK WEIGHED VERIFIED VIA MUD SCALES WET AND DRY SAMPLES SUBMITTED
Shutdown	10/18/2011 08:39							WASH UP ON TOP OF PLUG
Drop Top Plug	10/18/2011 08:41							VERIFY PLUG LAUNCHED
Pump Displacement	10/18/2011 08:42		10	80.7			515.0	CMT RETURNS 52.7 BBLS INTO DIS, 28 BBLS TO SURFACE
Slow Rate	10/18/2011 08:52		2	71			229.0	SLOW RATE 10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	10/18/2011 08:54		2	80.7			929.0	BUMP PLUG AT 253 PSI HOLD 2 MINS
Check Floats	10/18/2011 08:57							FLOATS HOLDING, GOOD RETURNS THROUGHOUT JOB
End Job	10/18/2011 08:58							NO ADD HOURS OR DERRICK CHARGE. HES SWAGE AND CIRC IRON USED ON LOCATION, 80 LBS SUGAR USED
Pre-Rig Down Safety Meeting	10/18/2011 09:05							WITH ALL HES PERSONNEL
Rig-Down Equipment	10/18/2011 09:15							
Pre-Convoy Safety Meeting	10/18/2011 09:55							WITH ALL HES PERSONNEL
Crew Leave Location	10/18/2011 10:00							THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. RYAN MUHLESTEIN AND CREW

WILLIAMS

PA 434-20 9 5/8" SURFACE CASING

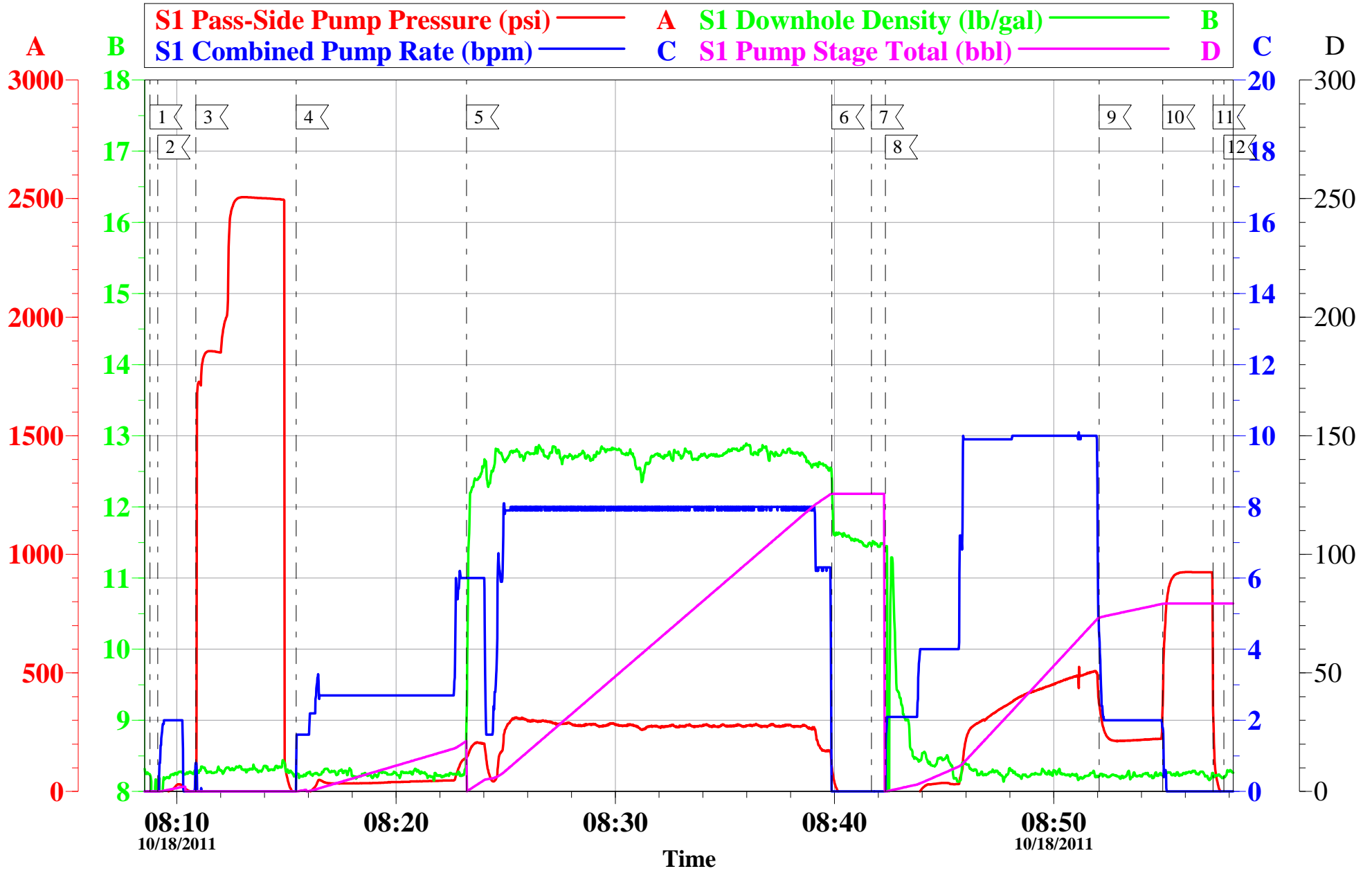


Local Event Log			
1	START JOB	08:08:46	2
2	PRIME LINES	08:09:08	3
3	PRESSURE TEST	08:10:52	4
4	PUMP H2O SPACER	08:15:27	5
5	PUMP TAIL CMT	08:23:13	6
6	SHUT DOWN	08:39:52	7
7	DROP PLUG	08:41:41	8
8	PUMP DISPLACEMENT	08:42:19	9
9	SLOW RATE	08:52:04	10
10	BUMP PLUG	08:54:58	11
11	CHECK FLOATS	08:57:15	12
12	END JOB	08:57:46	

Customer: WILLIAMS	Job Date: 18-Oct-2011	Sales Order #: 8541628
Well Description: PA 434-20	Job type: SURFACE	ADC Used: YES
Customer Rep: JEREMY HARRISON	Service Supervisor: RYAN MUHLESTEIN	Operator/ Pump: TRAVIS BROWN/ ELITE 1

WILLIAMS

PA 434-20 9 5/8" SURFACE CASING



Sales Order #: 8541628	Line Item: 10	Survey Conducted Date: 10/18/2011
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JEREMY HARRISON		API / UWI: (leave blank if unknown) 05-045-20255
Well Name: PA		Well Number: 434-20
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	10/18/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	RYAN MUHLESTEIN (HB21105)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	JEREMY HARRISON
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	NONE
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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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	10/18/2011
The date the survey was conducted	

Cementing KPI Survey	
Type of Job	0
Select the type of job. (Cementing or Non-Cementing)	
Select the Maximum Deviation range for this Job	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	2
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
HSE Incident, Accident, Injury	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
Was the job purpose achieved?	Yes
Was the job delivered correctly as per customer agreed design?	
Operating Hours (Pumping Hours)	1
Total number of hours pumping fluid on this job. Enter in decimal format.	
Customer Non-Productive Rig Time (hrs)	0
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.	
Type of Rig Classification Job Was Performed	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
Number Of JSAs Performed	6
Number Of Jsas Performed	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Was this a Primary Cement Job (Yes / No)	Yes

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Well Name: PA		Well Number: 434-20
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	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