

HALLIBURTON

GUNNISON ENERGY CORP - EBUS

**SPU Cockroft 1294-23-41D-H1R
WILD CAT
Delta County , Colorado**

**Plug Service - Whipstock
13-Nov-2012**

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 338641	Ship To #: 2943741	Quote #:	Sales Order #: 9964132
Customer: GUNNISON ENERGY CORP - EBUS		Customer Rep: Carlson, Mitch	
Well Name: SPU Cockroft	Well #: 1294-23-41D-H1R	API/UWI #:	
Field: WILD CAT	City (SAP): CEDAREEDGE	County/Parish: Delta	State: Colorado
Lat: N 38.999 deg. OR N 38 deg. 59 min. 57.48 secs.		Long: W 107.859 deg. OR W -108 deg. 8 min. 27.924 secs.	
Contractor: H&P 273	Rig/Platform Name/Num: H&P 273		
Job Purpose: Plug Service - Whipstock			
Well Type: Development Well		Job Type: Plug Service - Whipstock	
Sales Person: HIMES, JEFFREY		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 #
GOWEN, WESLEY M	0.0	496205	HONE, AARON D	0.0	381285	KAMMEIER, CHRISTOPHER Michael	0.0	524554
LAULAINEN, ROGER Edward	0.0	524413						

Equipment

HES Unit #	Distance-1 way						
10564022	70 mile	10616651C	70 mile	10713212	70 mile	11360871	70 mile
11583916	70 mile	11808827	70 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				Job Times			
Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	13 - Nov - 2012	01:00	MST
Job depth MD	7600. ft		Job Depth TVD	Job Started	13 - Nov - 2012	05:25	MST
Water Depth			Wk Ht Above Floor	Job Completed	13 - Nov - 2012	06:47	MST
Perforation Depth (MD)	From		To	Departed Loc	13 - Nov - 2012	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
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Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
R/A DENSOMETER W/CHART RECORDER, /JOB,ZI	1	JOB		
ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB		
PORT. DATA ACQUIS. W/OPTICEM RT W/HES	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

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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	Spacer Ahead		60.00	bbl	8.33	.0	.0	4.0	
2	Plugcem	PLUGCEM (TM) SYSTEM (452969)	140.0	sacks	17.	1.31	4.6	4.0	4.6
	4.6 Gal	FRESH WATER							
3	Spacer Behind		6.00	bbl	.	.0	.0	.0	
4	Mud Displacement		80.00	bbl	8.33	.0	.0	4.0	
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 0 ft	Reason	Shoe Joint					
Frac Ring # 1 @		ID		Frac ring # 2 @		ID		Frac Ring # 3 @	
								Frac Ring # 4 @	
The Information Stated Herein Is Correct				Customer Representative Signature					

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Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 338641	Ship To #: 2943741	Quote #:	Sales Order #: 9964132
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Well Name: SPU Cockroft		Well #: 1294-23-41D-H1R	API/UWI #:
Field: WILD CAT	City (SAP): CEDAREEDGE	County/Parish: Delta	State: Colorado
Legal Description:			
Lat: N 38.999 deg. OR N 38 deg. 59 min. 57.48 secs.		Long: W 107.859 deg. OR W -108 deg. 8 min. 27.924 secs.	
Contractor: H&P 273		Rig/Platform Name/Num: H&P 273	
Job Purpose: Plug Service - Whipstock			Ticket Amount:
Well Type: Development Well		Job Type: Plug Service - Whipstock	
Sales Person: HIMES, JEFFREY		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	11/12/2012 19:30							
Pre-Convoy Safety Meeting	11/12/2012 22:50							ALL HES PRESENT
Crew Leave Yard	11/12/2012 23:00							
Arrive At Loc	11/13/2012 01:00							1-F350, 1- ELITE PUMP TRUCK, 1 660 BULK TRUCK, 1- BAIL BASKET, 1- 4 1/2" DRILL PIN
Assessment Of Location Safety Meeting	11/13/2012 01:30							PERFORMED WATER TEST- PH-6.5, TDS-170, TEMP 50 DEG, SULFATE UNDER 200, CAL-50, IRON-0, CHLORIDES-0, K-250
Pre-Rig Up Safety Meeting	11/13/2012 01:40							ALL HES PRESENT
Rig-Up Equipment	11/13/2012 01:50							SAFE RIG UP
Pre-Job Safety Meeting	11/13/2012 05:00							ALL HES AND 3RD PARTY PRESENT
Start Job	11/13/2012 05:25	1						SURFACE CASING- 9 5/8" 40# N-80 TD-2190', HOLE- 8 3/4" FROM 2190 TO FISH AT 7623', DP- 456' OF 4 1/2" 40.9# HW, 7,144' OF 4 1/2" 16.6# FOR A TD OF 7600'
Pump Water	11/13/2012 05:28	2	2	2			220.0	FILL LINES FRESH WATER
Test Lines	11/13/2012 05:30	3	0.5	0.5				SUCCESSFUL TEST, PRESSURE HELD @ 5900 PSI.

Sold To #: 338641

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Quote # :

Sales Order # :

9964132

SUMMIT Version: 7.3.0045

Monday, December 03, 2012 12:03:00

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Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Water	11/13/2012 05:39	4	3	60		449.0		FRESH WATER AHEAD
Pump Cement	11/13/2012 06:00	5	4	32.7		503.0		PLUGCEM= 140 SKS, 17 PPG, 1.31 FT3/SK, 4.6 GAL/SK
Shutdown	11/13/2012 06:11	6						DROP WIPER BALL. PROVIDED BY HALLIBURTON AT NO CHARGE TO CUSTOMER. WASHED PUMP TO PIT.
Pump Water	11/13/2012 06:17	9	4	15.6		88.0		FRESH WATER BEHIND
Pump Well Fluid	11/13/2012 06:22	10	5	80		210.0		MUD BEHIND TO BALANCE. 9.8 PPG, YP- 22 , PV- 12 , TEMP- 96 VISC-44
Shutdown	11/13/2012 06:41	11						CHECKED BALANCE- NO FLOW TO TRUCK
Other	11/13/2012 06:45	12						CHECKED FOR BALANCE- NO FLOW TO TRUCK, TURNED OVER TO RIG, RIG POOH @ 30 FT/MIN. STANDS PULLED DRY. PULLED TO 6121.5 FT RIG DID NOT REVERSE CIRCULATE.
End Job	11/13/2012 06:47							NO SUGAR USED, NO CREW ADD HOURS, DRILL PIN USED, BAIL BASKET USED, 100' OF HOSE USED, NO BOOSTER USED. NO DERRICK CHARGED.1 BULK TRUCK ADD HOUR.
Pre-Rig Down Safety Meeting	11/13/2012 07:00							ALL HES PRESENT
Rig-Down Equipment	11/13/2012 07:10							SAFE RIG DOWN
Pre-Convoy Safety Meeting	11/13/2012 09:50							ALL HES PRESENT
Crew Leave Location	11/13/2012 10:00							THANK YOU FOR USING HALLIBURTON, AARON HONE AND CREW.

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Quote #:

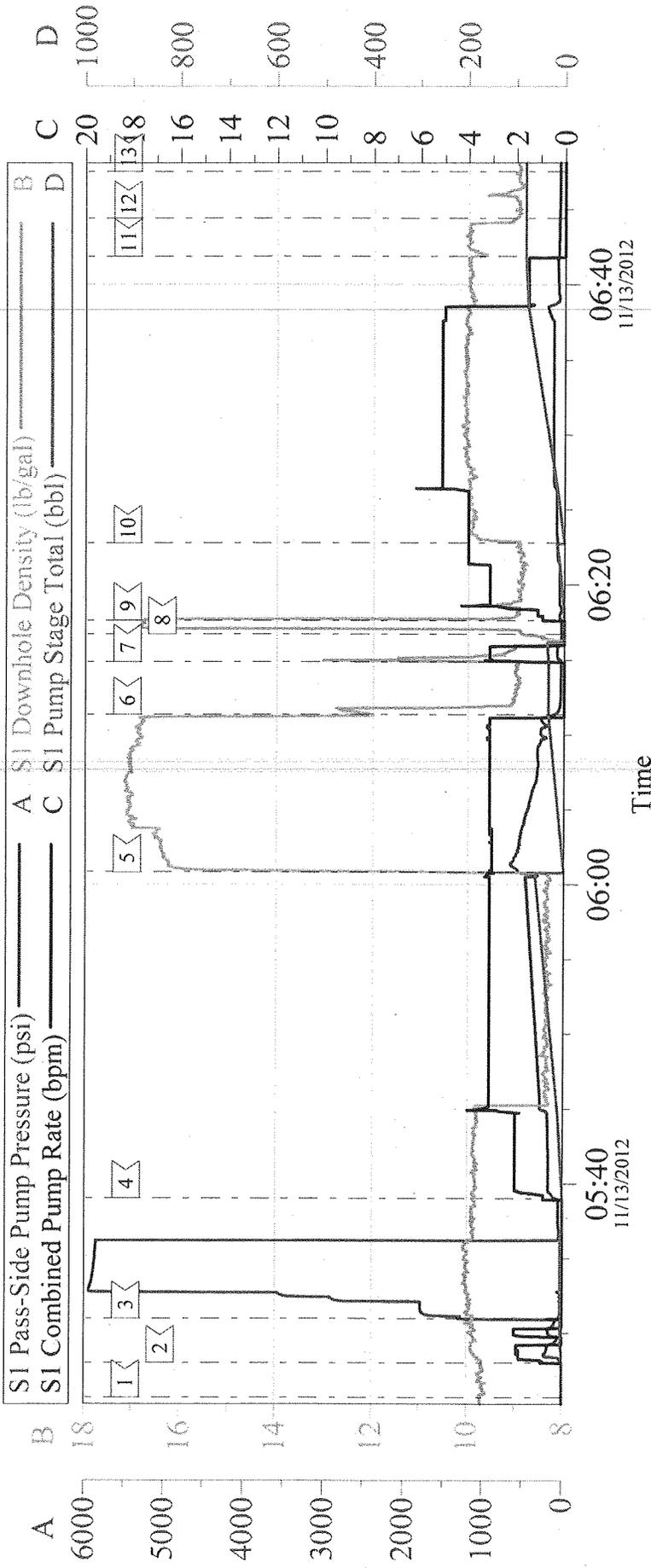
Sales Order #: 9964132

SUMMIT Version: 7.3.0045

Monday, December 03, 2012 12:03:00

GUNNISON ENERGY

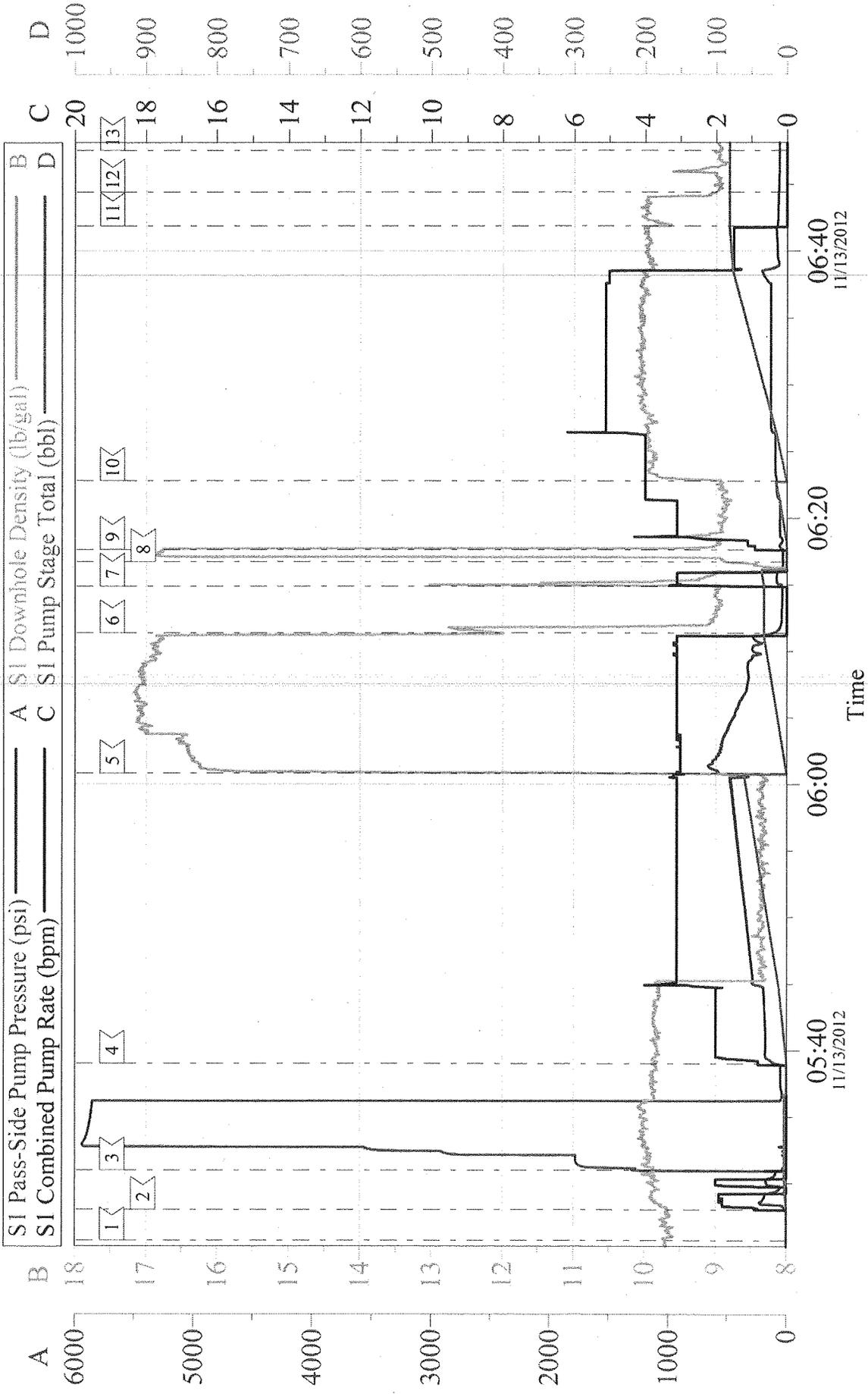
SPU COCKROFT 1294-23-41D-HIR WHIPSTOCK PLUG



Local Event Log					
1	START JOB	05:25:43	2	FILL LINES	05:28:01
3	TEST LINES	05:30:59	4	PUMP WATER SPACER	05:39:01
5	PUMP CEMENT	06:00:49	6	SHUT DOWN	06:11:21
7	CLEAN PUMP	06:14:52	8	DROP FOAM BALL	06:16:42
9	PUMP WATER DISPLACEMENT	06:17:38	10	PUMP MUD DISPLACEMENT	06:22:48
11	SHUT DOWN	06:41:53	12	CHECK FOR BALANCE	06:44:25
13	END JOB	06:47:33			

Customer: GUNNISON	Job Date: 13-Nov-2012	Sales Order #: 9964132
Well Description: 1294-23-41D-HIR	Job Type: PLUG	ADC Used: YES
Company Rep: MITCH CARLSON	Cement Supervisor: AARON HONE	Elite #4: WESLEY GOWEN

GUNNISON ENERGY
SPU COCKROFT 1294-23-41D-HIR
WHIPSTOCK PLUG



Customer: GUNNISON	Job Date: 13-Nov-2012	Sales Order #: 9964132
Well Description: 1294-23-41D-HIR	Job Type: PLUG	ADC Used: YES
Company Rep: MITCH CARLSON	Cement Supervisor: AARON HONE	Elite #: WESLEY GOWEN

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Water Analysis Report

Company: GUNNISON Date: 11/12/2012
Submitted by: Aaron Hone Date Rec.: 11/12/2012
Attention: J.Trout/ C.Martinez S.O.# 9964132
Lease SPU COCKROFT Job Type: PLUG
Well # 1294-2341DH1R

Specific Gravity	<i>MAX</i>	1
pH	8	6.5
Potassium (K)	5000	250 Mg / L
Calcium (Ca)	500	50 Mg / L
Iron (FE2)	300	0 Mg / L
Chlorides (Cl)	3000	0 Mg / L
Sulfates (SO ₄)	1500	200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	40-80	50 Deg
Total Dissolved Solids		170 Mg / L

Respectfully: Aaron Hone

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

NOTICE:

This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report or

Sales Order #: 9964132	Line Item: 10	Survey Conducted Date: 11/13/2012
Customer: GUNNISON ENERGY CORP - EBUS		Job Type (BOM): CMT WHIPSTOCK PLUG BOM
Customer Representative: MITCH CARLSON		API / UWI: (leave blank if unknown) AFEY0IT1HCKB34KKAAA
Well Name: SPU Cockroft		Well Number: 1294-23-41D-H1R
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Delta

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	11/13/2012
Survey Interviewer	The survey interviewer is the person who initiated the survey.	AARON HONE (HX23078)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	MITCH CARLSON
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	

CUSTOMER SIGNATURE

Sales Order #: 9964132	Line Item: 10	Survey Conducted Date: 11/13/2012
Customer: GUNNISON ENERGY CORP - EBUS		Job Type (BOM): CMT WHIPSTOCK PLUG BOM
Customer Representative: MITCH CARLSON		API / UWI: (leave blank if unknown) AFEY0IT1HCKB34KKAAA
Well Name: SPU Cockroft		Well Number: 1294-23-41D-H1R
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Delta

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	11/13/2012
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)	9
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)	2
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	8
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)	No

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CUSTOMER SURVEY

Sales Order #: 9964132	Line Item: 10	Survey Conducted Date: 11/13/2012
Customer: GUNNISON ENERGY CORP - EBUS		Job Type (BOM): CMT WHIPSTOCK PLUG BOM
Customer Representative: MITCH CARLSON		API / UWI: (leave blank if unknown) AFEY0IT1HCKB34KKAAA
Well Name: SPU Cockroft		Well Number: 1294-23-41D-H1R
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Delta

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
Was this a Plug or a Squeeze Job? Please select the appropriate choice	Yes
Was this a Primary or a Remedial Job? Kick off plug, Plug to Abadon, LCM plug or Planed Liner Top Squeeze, Squeeze of existing perforations, Squeeze of casing leak	Yes
Mixing Density of Job Stayed in Designed Density Range (0-100%) Density Range defined as +/- .20 ppg. Calculation: Total BBLs cment 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	100
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