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# **LARAMIE ENERGY II LLC EBUSINESS**

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**BRUTON 30-16B  
WILD CAT  
Mesa County , Colorado**

**Cement Surface Casing**  
**08-Dec-2011**

**Job Site Documents**

### The Road to Excellence Starts with Safety

Sold To #: 344919	Ship To #: 344919	Quote #:	Sales Order #: 9108084
Customer: LARAMIE ENERGY II LLC EBUSINESS	Customer Rep: Claussen, Cory		
Well Name: BRUTON	Well #: 30-16B	API/UWI #: 05-077-10101	
Field: WILD CAT	City (SAP): DENVER	County/Parish: Mesa	State: Colorado
Lat: N 39.248 deg. OR N 39 deg. 14 min. 51.778 secs.	Long: W 107.809 deg. OR W -108 deg. 11 min. 29.076 secs.		
Contractor: PRECISION 706	Rig/Platform Name/Num: PRECISION 706		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: METLI, MARSHALL	Srvc Supervisor: HUGENTOBLE, LOGAN	MBU ID Emp #: 447333	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANDERSON, ADAM S	7	456683	DANIEL, EVERETT Dean	7	337325	ENGBERG, KEVIN W	7	454218
HUGENTOBLE, LOGAN Mark	7	447333		7				

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10011429	42.5 mile	10025118	42.5 mile	10741259	42.5 mile	11560046	42.5 mile
11562538	42.5 mile	11583932	42.5 mile				

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
12/8/11	7	2						

**TOTAL** Total is the sum of each column separately

Job				Job Times			
Formation Name				Date	Time	Time Zone	
Formation Depth (MD)	Top	Bottom		Called Out	07 - Dec - 2011	23:15	MST
Form Type		BHST		On Location	08 - Dec - 2011	05:00	MST
Job depth MD	1562. ft	Job Depth TVD	1562. ft	Job Started	08 - Dec - 2011	08:36	MST
Water Depth		Wk Ht Above Floor	3. ft	Job Completed	08 - Dec - 2011	09:45	MST
Perforation Depth (MD)	From	To		Departed Loc	08 - Dec - 2011	12:00	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/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,8 5/8,HWE,7.20 MIN/8.09 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	8.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	8.625	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 <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

1	Fresh Water		20.00	bbl	8.34	.0	.0	4	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	225.0	sacks	12.3	2.38	13.75	6	13.75
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	200.0	sacks	14.2	1.43	6.72	6	6.72
6.724 Gal		FRESH WATER							
4	Displacement		93.00	bbl	8.33	.0	.0	8	
Calculated Values		Pressures		Volumes					
Displacement	93	Shut In: Instant		Lost Returns	0	Cement Slurry	146	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	40	Actual Displacement	93	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	260
Rates									
Circulating		Mixing	6	Displacement	8	Avg. Job	7		
Cement Left In Pipe	Amount	25 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*

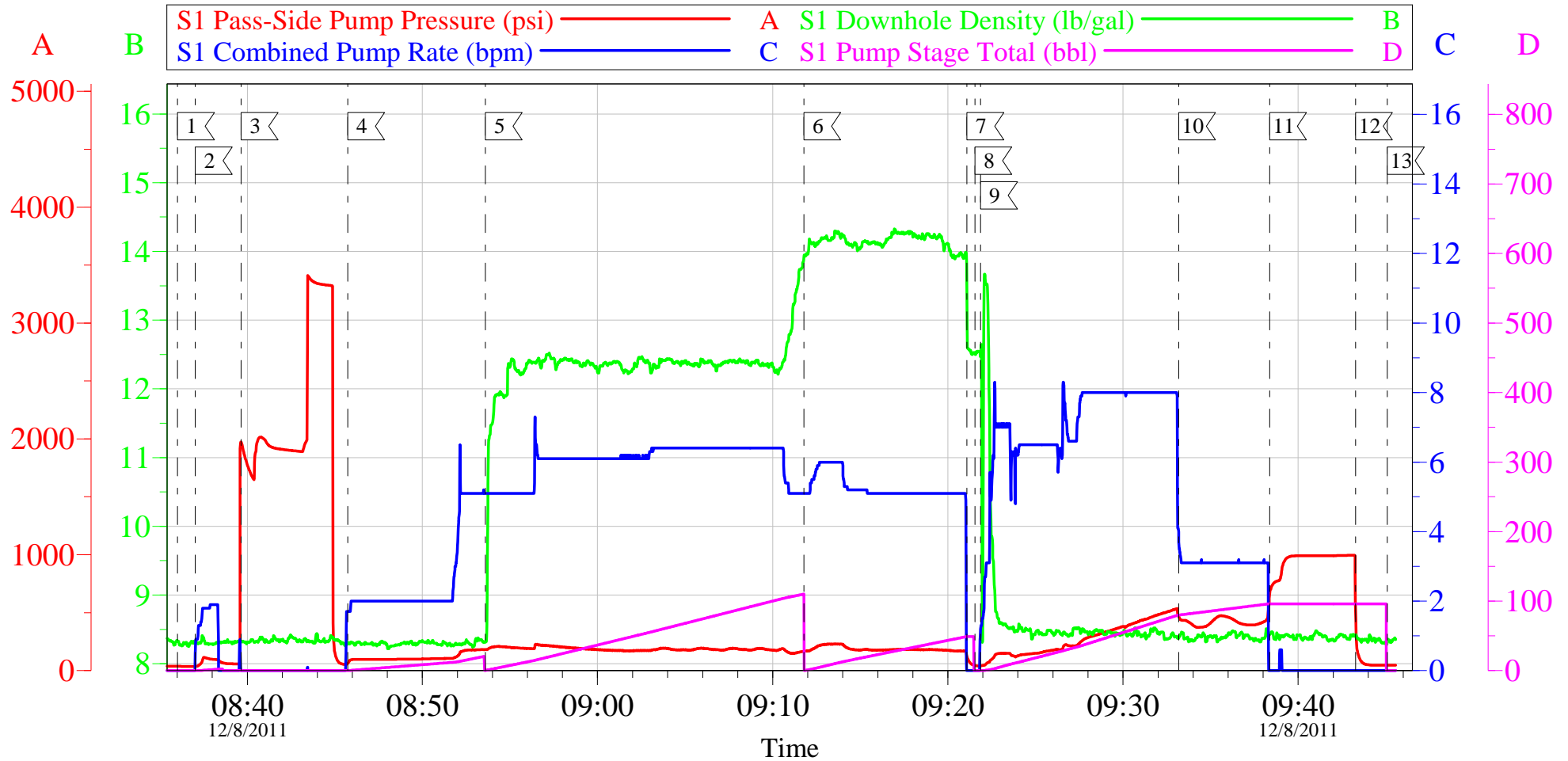
<b>Sold To #:</b> 344919		<b>Ship To #:</b> 344919		<b>Quote #:</b>		<b>Sales Order #:</b> 9108084	
<b>Customer:</b> LARAMIE ENERGY II LLC EBUSINESS				<b>Customer Rep:</b> Claussen, Cory			
<b>Well Name:</b> BRUTON			<b>Well #:</b> 30-16B		<b>API/UWI #:</b> 05-077-10101		
<b>Field:</b> WILD CAT		<b>City (SAP):</b> DENVER		<b>County/Parish:</b> Mesa		<b>State:</b> Colorado	
<b>Legal Description:</b>							
<b>Lat:</b> N 39.248 deg. OR N 39 deg. 14 min. 51.778 secs.				<b>Long:</b> W 107.809 deg. OR W -108 deg. 11 min. 29.076 secs.			
<b>Contractor:</b> PRECISION 706			<b>Rig/Platform Name/Num:</b> PRECISION 706				
<b>Job Purpose:</b> Cement Surface Casing					<b>Ticket Amount:</b>		
<b>Well Type:</b> Development Well			<b>Job Type:</b> Cement Surface Casing				
<b>Sales Person:</b> METLI, MARSHALL			<b>Srv Supervisor:</b> HUGENTOBLE, LOGAN			<b>MBU ID Emp #:</b> 447333	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/07/2011 23:15							
Pre-Convoy Safety Meeting	12/08/2011 02:00							ALL HES EMPLOYEES
Arrive At Loc	12/08/2011 05:00							RIG STILL RUNNING CASING
Assessment Of Location Safety Meeting	12/08/2011 05:15							ALL HES EMPLOYEES
Rig-Up Equipment	12/08/2011 05:30							1 HT-400 PUMP TRUCK, 1 660 BULK TRUCK, 1 F-450 P/U, 1 PLUG CONTAINER, 1 SWAGE & BAIL BASKET, 1 BODY LOAD
Pre-Job Safety Meeting	12/08/2011 08:15							ALL HES EMPLOYEES, RIG CREW, CO REP AND ANY 3RD PARTY VENDORS
Start Job	12/08/2011 08:36							TP 1562 FT, TD 1560 FT, FC 1537 FT, HOLE 12.25", MUD WT 9.9, RATE WILL BE 6, WILL BUMP 500 PSI OVER LAND PSI
Pump Water	12/08/2011 08:37		2	2			65.0	FILL LINES PRIOR TO PRESSURE TESTING LINES
Pressure Test	12/08/2011 08:39							NO LEAKS, KICK OUTS SET TO 3000 PSI FOR TEST.
Pump Spacer 1	12/08/2011 08:45		4	20			112.0	FRESH WATER
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

		#		Stage	Total	Tubing	Casing	
Pump Lead Cement	12/08/2011 08:53		6	95			367.0	225 SKS VERSACEM CMT TO BE MIXED AT 12.3 PPG, 2.38 YIELD, 13.77 GAL/SK, CMT TO BE WEIGHED VIA PRESSURE BALANCED MUD SCALES WET AND DRY SAMPLES SUBMITTED.
Pump Tail Cement	12/08/2011 09:11		6	51			395.0	200 SKS SWIFTCM CMT TO BE MIXED AT 14.2 PPG, 1.43 YIELD, 6.72 GAL/SK, CMT TO BE WEIGHED VIA PRESSURE BALANCED MUD SCALES, WET AND DRY SAMPLES SUBMITTED,
Shutdown	12/08/2011 09:21							
Drop Plug	12/08/2011 09:21							PLUG LAUNCHED
Pump Displacement	12/08/2011 09:21		8	93			511.0	FRESH WATER
Slow Rate	12/08/2011 09:33		3				455.0	10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	12/08/2011 09:38						940.0	PLUG LANDED
Check Floats	12/08/2011 09:43							FLOATS HOLDING, 40 BBLS OF CEMENT TO SURFACE
End Job	12/08/2011 09:45							THANK YOU FOR USING HES LOGAN HUGENTOBLE AND CREW
Post-Job Safety Meeting (Pre Rig-Down)	12/08/2011 09:50							ALL HES EMPLOYEES
Rig-Down Equipment	12/08/2011 10:00							
Pre-Convoy Safety Meeting	12/08/2011 11:55							ALL HES EMPLOYEES
Crew Leave Location	12/08/2011 12:00							LOCATION CLEAN

# LARAMIE II-BRUTON 30-16B

8.625" SURFACE



## Local Event Log

1 START JOB	08:36:01	2 PRIME LINES	08:37:02	3 PRESSURE TEST	08:39:39
4 PUMP H2O SPACER	08:45:44	5 PUMP LEAD CEMENT	08:53:36	6 PUMP TAIL CEMENT	09:11:47
7 SHUTDOWN	09:21:05	8 DROP PLUG	09:21:32	9 PUMP DISPLACEMENT	09:21:52
10 SLOW RATE	09:33:11	11 BUMP PLUG	09:38:22	12 CHECK FLOATS	09:43:17
13 END JOB	09:45:05				

Customer: LARAMIE II  
Well Description: BRUTON 30-16B  
Company Rep: KELLY CLAUSSEN

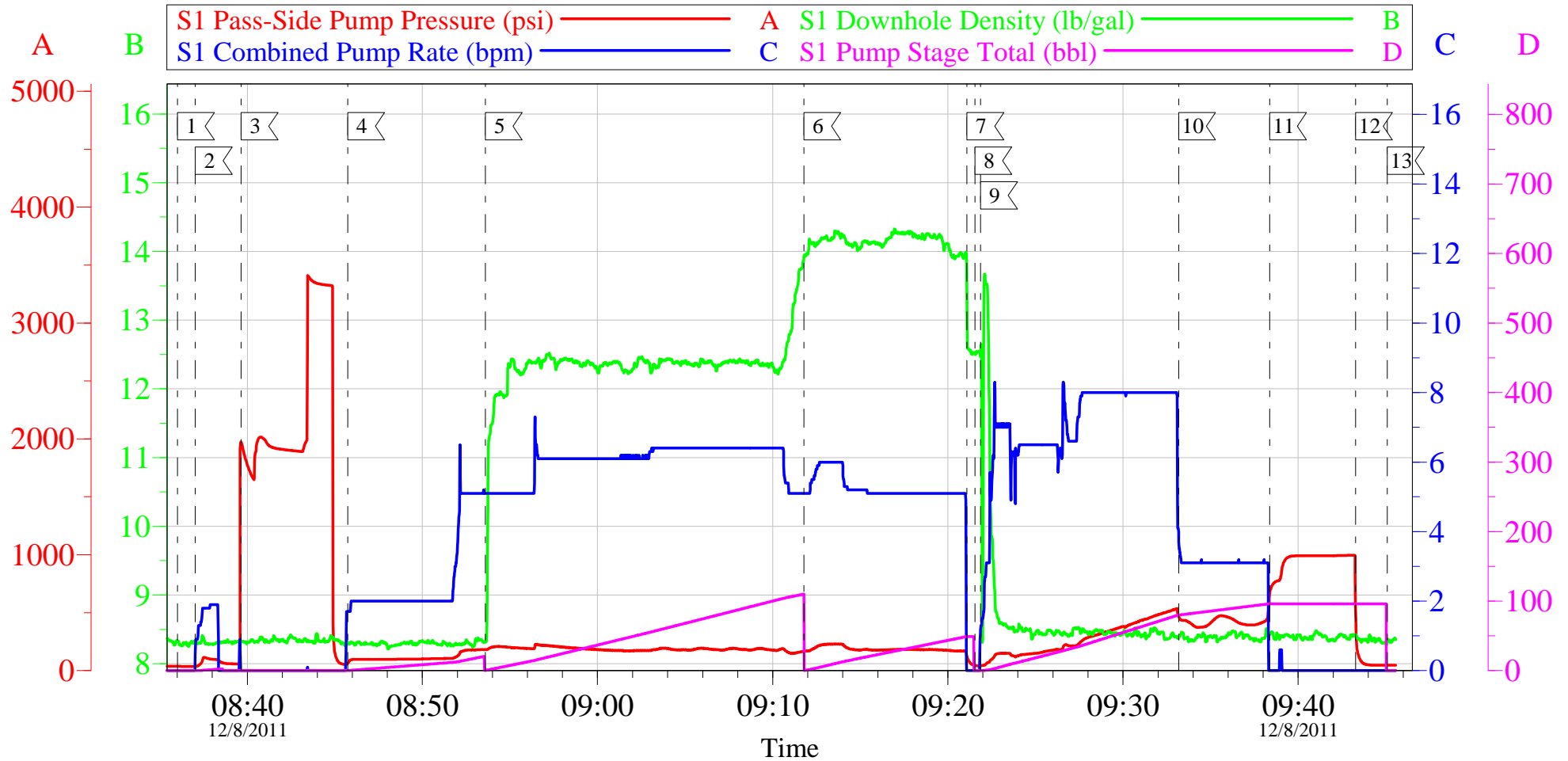
Job Date: 08-Dec-2011  
Job Type: SURFACE  
Cement Supervisor: LOGAN HUGENTOBLER

Sales Order #: 9108084  
ADC Used: YES  
Elite #5: DEAN DANIEL

OptiCem v6.4.10  
08-Dec-11 10:32

# LARAMIE II-BRUTON 30-16B

8.625" SURFACE



## Local Event Log

1 START JOB	08:36:01	2 PRIME LINES	08:37:02	3 PRESSURE TEST	08:39:39
4 PUMP H2O SPACER	08:45:44	5 PUMP LEAD CEMENT	08:53:36	6 PUMP TAIL CEMENT	09:11:47
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13 END JOB	09:45:05				

Customer: LARAMIE II  
Well Description: BRUTON 30-16B  
Company Rep: KELLY CLAUSSEN

Job Date: 08-Dec-2011  
Job Type: SURFACE  
Cement Supervisor: LOGAN HUGENTOBLER

Sales Order #: 9108084  
ADC Used: YES  
Elite #5: DEAN DANIEL

OptiCem v6.4.10  
08-Dec-11 10:32

# HALLIBURTON

## Water Analysis Report

Company: LARAMIE II

Submitted by: LOGAN HUGENTOBLER

Attention: \_\_\_\_\_

Lease BRUTON

Well # 30-16B

Date: 12/10/2011

Date Rec.: 12/10/2011

S.O.# 9108084

Job Type: 8.625 SURFACE

Specific Gravity	<i>MAX</i>	<b>1</b>
pH	<i>8</i>	<b>7</b>
Potassium (K)	<i>5000</i>	<b>0</b> Mg / L
Calcium (Ca)	<i>500</i>	<b>150</b> Mg / L
Iron (FE2)	<i>300</i>	<b>0</b> Mg / L
Chlorides (Cl)	<i>3000</i>	<b>500</b> Mg / L
Sulfates (SO <sub>4</sub> )	<i>1500</i>	<b>below 200</b> Mg / L
Chlorine (Cl <sub>2</sub> )		<b>0</b> Mg / L
Temp	<i>40-80</i>	<b>55</b> Deg
Total Dissolved Solids		<b>330</b> Mg / L

Respectfully: LOGAN HUGENTOBLER

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



<b>Sales Order #:</b> 9108084	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 12/8/2011
<b>Customer:</b> LARAMIE ENERGY II LLC EBUSINESS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> KELLY CLAUSSEN		<b>API / UWI: (leave blank if unknown)</b> 05-077-10101
<b>Well Name:</b> BRUTON		<b>Well Number:</b> 30-16B
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<b>Well State:</b> Colorado	<b>Well County:</b> Mesa

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	12/8/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	LOGAN HUGENTOBLE (HB15210)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	KELLY CLAUSSEN
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

<b>Sales Order #:</b> 9108084	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 12/8/2011
<b>Customer:</b> LARAMIE ENERGY II LLC EBUSINESS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> KELLY CLAUSSEN		<b>API / UWI: (leave blank if unknown)</b> 05-077-10101
<b>Well Name:</b> BRUTON		<b>Well Number:</b> 30-16B
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<b>Well State:</b> Colorado	<b>Well County:</b> Mesa

### KEY PERFORMANCE INDICATORS

General	
<b>Survey Conducted Date</b> The date the survey was conducted	12/8/2011

Cementing KPI Survey	
<b>Type of Job</b> Select the type of job. (Cementing or Non-Cementing)	0
<b>Select the Maximum Deviation range for this Job</b> What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
<b>Total Operating Time (hours)</b> Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	4
<b>HSE Incident, Accident, Injury</b> HSE Incident, Accident, Injury. This should be recordable incidents only.	No
<b>Was the job purpose achieved?</b> Was the job delivered correctly as per customer agreed design?	Yes
<b>Operating Hours (Pumping Hours)</b> Total number of hours pumping fluid on this job. Enter in decimal format.	2
<b>Customer Non-Productive Rig Time (hrs)</b> 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
<b>Type of Rig Classification Job Was Performed</b> Type Of Rig (classification) Job Was Performed On	Drilling Rig (Portable)
<b>Number Of JSAs Performed</b> Number Of Jsas Performed	6
<b>Number of Unplanned Shutdowns</b> Unplanned shutdown is when injection stops for any period of time.	0
<b>Was this a Primary Cement Job (Yes / No)</b>	Yes

<b>Sales Order #:</b> 9108084	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 12/8/2011
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<b>Customer Representative:</b> KELLY CLAUSSEN		<b>API / UWI: (leave blank if unknown)</b> 05-077-10101
<b>Well Name:</b> BRUTON		<b>Well Number:</b> 30-16B
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<b>Well State:</b> Colorado	<b>Well County:</b> Mesa

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