

**HALLIBURTON**

---

**EAST CHEYENNE GAS STORAGE**

---

**ECGS 31-7 WPD005-1  
PEETZ WEST  
Logan County , Colorado**

---

**Cement Production Casing**  
17-Oct-2012

**Job Site Documents**

## Work Order Contract

Order Number

9890819

TO: HALLIBURTON ENERGY SERVICES, INC. - YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICE PERSONNEL TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO CUSTOMER LISTED BELOW AND DELIVER AND SELL PRODUCTS, SUPPLIES AND MATERIALS FOR THE PURPOSE OF SERVICING:

Well No. 31-7 WPD005-1	Farm or Lease ECGS	County Logan	State Colorado	Well Permit Number 05-075-09410
Customer EAST CHEYENNE GAS STORAGE		Well Owner		Job Purpose Cement Production Casing

**THIS WORK ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED**

A. **CUSTOMER REPRESENTATION** - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton Energy Services, Inc. (hereinafter "Halliburton").

B. **PRICE AND PAYMENT** - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices of Halliburton are exclusive of any federal, state or municipal taxes which may be imposed on the sale or use of any materials, products or supplies furnished or services performed. Customer agrees to pay such taxes in addition to the prices in Halliburton's price list. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, or Halliburton's actual attorney fees, whichever is greater, plus all collection and court costs. Customer agrees that the amount of attorney fees set out herein are reasonable and necessary.

C. **RELEASE AND INDEMNITY** - Customer agrees to RELEASE Halliburton Group from any and all liability for any and all damages whatsoever to property of any kind owned by, in the possession of, or leased by Customer and those persons and entities Customer has the ability to bind by contract or which are co-interest owners or joint ventures with Customer. Customer also agrees to DEFEND, INDEMNIFY, AND HOLD Halliburton Group HARMLESS from and against any and all liability, claims, costs, expenses, attorney fees and damages whatsoever for personal injury, illness, death, property damage and loss resulting from loss of well control; services to control a wild well whether underground or above the surface; reservoir or underground damage, including loss of oil, gas, other mineral substances or water, surface damage arising from underground damage; damage to or loss of the well bore; subsurface trespass or any action in the nature thereof; fire; explosion; subsurface pressure; radioactivity; and pollution and contamination and its cleanup and control.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS obligations will apply even if the liability and claims are caused by the sole, concurrent, active or passive negligence, fault, or strict liability of one or more members of the Halliburton Group, the unseaworthiness of any vessel or any defect in the data, products, supplies, materials or equipment furnished by any member or members of the Halliburton Group whether in the design, manufacture, maintenance or marketing thereof or from a failure to warn of such defect. "Halliburton Group" is defined as Halliburton Energy Services, Inc., its parent, subsidiary, and affiliated companies, insurers and subcontractors and all its/their officers, directors, employees, consultants and agents. Customer's RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS obligations apply whether the personal injury, illness, death, property damage or loss is suffered by one or more members of the Halliburton Group, Customer, or any other person or entity. Customer agrees to support such obligations assumed herein with liability insurance with limits of not less than \$500,000. Customer agrees to name Halliburton Group as named additional insured on all of its general liability policy(s). Customer agrees that its liability under this Contract is not limited by the amounts of its insurance coverage, except where and as may be required by applicable local law for the provisions of this Contract to be enforceable.

D. **EQUIPMENT LIABILITY** - Customer shall at its risk and expense attempt to recover any Halliburton Group equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the current published replacement rate, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton Group. Customer shall be responsible for damage to or loss of Halliburton group equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton group equipment damaged by corrosion or abrasion due to well effluents.

E. **LIMITED WARRANTY** - Halliburton warrants only title to the equipment, products, and materials supplied under this Contract and that same are free from defects in workmanship and materials for thirty (30) days from the date of delivery. **THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE.** Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, **HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON GROUP.** Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton Group shall not be liable for and **CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to or caused by the active or passive negligence, fault or strict liability of any member or members of Halliburton Group.** Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. **GOVERNING LAW** - The validity, interpretation and construction of this Contract shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. **DISPUTE RESOLUTION** Except for Halliburton's statutory rights with regard to collection of past due invoices for services or materials, including the Contractor's statutory rights for perfection and enforcement of mechanics' and materialmen's' liens, Customer and Halliburton agree that any dispute that may arise out of the performance of this Contract shall be resolved by binding arbitration by a panel of three arbitrators under the rules of the American Arbitration Association. The arbitration will take place in Houston, TX.

H. **SEVERABILITY** - If any provision or part thereof of this Contract shall be held to be invalid, void, or of no effect for any reason, such holding shall not be deemed to affect the validity of the remaining provisions of this Contract which can be given effect, without the invalid provision or part thereof, and to this end, the provisions of this Contract are declared to be severable. Customer and Halliburton agree that any provision of this Contract that is unenforceable or void under applicable law will be modified to achieve the intent of the parties hereunder to the greatest extent allowed by applicable law.

I. **MODIFICATIONS** - Customer agrees that Halliburton shall not be bound by any modifications to this Contract, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 10200 Bellaire Blvd, Houston, TX 77072-5299.

**I HAVE READ AND UNDERSTAND THIS WORK ORDER CONTRACT WHICH CONTAINS RELEASE AND INDEMNITY LANGUAGE WHICH CUSTOMER ACKNOWLEDGES IS CONSPICUOUS AND AFFORDS FAIR AND ADEQUATE NOTICE AND I REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT. I AM SIGNING THIS WORK ORDER CONTRACT WITH THE UNDERSTANDING THAT ITS TERMS AND CONDITIONS WILL NOT APPLY TO THE EXTENT THEY CONFLICT WITH TERMS AND CONDITIONS OF A SIGNED MASTER SERVICE CONTRACT BETWEEN THE PARTIES.**

**Customer Acceptance of Terms and Conditions, Materials and Services**

CUSTOMER Authorized Signatory

Date

# HALLIBURTON

## Field Ticket

<b>Field Ticket Number:</b> 9890819		<b>Field Ticket Date:</b> Wednesday, October 17, 2012	
<b>Bil To:</b> EAST CHEYENNE GAS STORAGE 10901 WEST TOLLER DR SUITE 200 LITTLETON, CO 80127		<b>Job Name:</b> ECGS 31-7 WPD005-1 <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> ECGS 31-7 WPD005-1 <b>Company Code:</b> 1100 <b>Customer PO No.:</b> NA <b>Shipping Point:</b> Brighton, CO, USA <b>Sales Office:</b> Rocky Mountains BD <b>Well Type:</b> Gas <b>Well Category:</b> Development	
<b>Ship To:</b> EAST CHEYE ECGS 31-7 WPD005-1,LOGAN ECGS 31-7 WPD005-1 2957838 PEETZ, CO 80747			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
7523	CMT PRODUCTION CASING BOM	1	JOB	0.00	0.00	0.00		0.00
2	MILEAGE FOR CEMENTING CREW,ZI	300	MI	0.00	5.76	1,728.00	64%	622.08
	<i>Number of Units</i>	1						
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT	300	MI	0.00	9.79	2,937.00	64%	1,057.32
	<i>Number of Units</i>	1						
16091	ZI - PUMPING CHARGE	1	EA	0.00	7,297.00	7,297.00	64%	2,626.92
	DEPTH	5265						
	FEET/METERS (FT/M)		FT					
121	MSC OPERATOR W/HES PUMP EQUIP,/DAY, ZI	1	EA	0.00	1,548.00	1,548.00	64%	557.28
	NUMBER OF DAYS	1						
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN	150	MI	0.00	3.35	3,266.25	64%	1,175.85
	NUMBER OF TONS	6.5						
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI	184	CF	0.00	5.49	1,010.16	64%	363.66
	NUMBER OF EACH	1						
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	300	MI	0.00	0.17	51.00		51.00
	Number of Units	1						
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON	300	MI	0.00	0.51	153.00		153.00
	Number of Units	1						
87605	ZI FUEL SURCHG-CMT & CMT ADDITIVES	150	MI	0.00	0.17	165.75		165.75
	NUMBER OF TONS	6.5						
7	ENVIRONMENTAL CHARGE,/JOB,ZI	1	JOB	0.00	134.00	134.00		134.00
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	0.00	83.00	83.00		83.00

# HALLIBURTON

## Field Ticket

<b>Field Ticket Number:</b> 9890819		<b>Field Ticket Date:</b> Wednesday, October 17, 2012	
<b>Bill To:</b> EAST CHEYENNE GAS STORAGE 10901 WEST TOLLER DR SUITE 200 LITTLETON, CO 80127		<b>Job Name:</b> ECGS 31-7 WPD005-1 <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> ECGS 31-7 WPD005-1 <b>Company Code:</b> 1100 <b>Customer PO No.:</b> NA <b>Shipping Point:</b> Brighton, CO, USA <b>Sales Office:</b> Rocky Mountains BD <b>Well Type:</b> Gas <b>Well Category:</b> Development	
<b>Ship To:</b> EAST CHEYE ECGS 31-7 WPD005-1,LOGAN ECGS 31-7 WPD005-1 2957836 PEETZ, CO 80747			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount		
372867	Cmt PSL - DOT Vehicle Charge, CMT	2	EA	0.00	241.00	482.00		482.00		
45	CMT, S.O.T./S.M.M. PERMIT	1	EA	0.00	200.00	200.00		200.00		
683670	CMT, Cement Winter Surcharge	1	EA	0.00	1,000.00	1,000.00		1,000.00		
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI NUMBER OF UNITS	1 1	JOB	0.00	2,275.00	2,275.00	64%	819.00		
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI NUMBER OF DAYS	1 1	JOB	0.00	1,649.00	1,649.00	64%	593.64		
114	R/A DENSOMETER W/CHART RECORDER,/JOB,Z NUMBER OF UNITS	1 1	JOB	0.00	1,285.00	1,285.00	64%	462.60		
74038	ZI PLUG CONTAINER RENTAL-1ST DAY DAYS OR FRACTION (MIN1)	1 1	EA	1,322.00	0.00	1,322.00	64%	475.92		
90	ZI QUICK LATCH ATTACHMENT SIZE IN INCHES/MILLIMETER INCHES/MILLIMETERS (IN/MM)	1 7	JOB IN	0.00	491.00	491.00	64%	176.76		
528788	MUD FLUSH III	24	BBL	0.00	90.72	2,177.28	64%	783.82		
452981	EXTENDACEM (TM) SYSTEM	60	SK			3,939.00	64%	1,418.04		
452979	EXPANDACEM (TM) SYSTEM	70	SK			6,631.49	64%	2,387.34		
101985045	CHEM, CLA-WEB - TOTE	2	GAL	0.00	474.30	948.60	64%	341.50		
<b>Halliburton Rep:</b> CHRISTOPHER PICKELL						<b>Totals</b>	<b>USD</b>	<b>40,773.53</b>	<b>24,643.05</b>	<b>16,130.48</b>
<b>Customer Agent:</b> JOHN ASHEY										
<b>Halliburton Approval</b>										

*Field Ticket*

<b>Field Ticket Number:</b> 9890819		<b>Field Ticket Date:</b> Wednesday, October 17, 2012	
<b>Bill To:</b> EAST CHEYENNE GAS STORAGE 10901 WEST TOLLER DR SUITE 200 LITTLETON, CO 80127		<b>Job Name:</b> ECGS 31-7 WPD005-1 <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> ECGS 31-7 WPD005-1 <b>Company Code:</b> 1100 <b>Customer PO No.:</b> NA <b>Shipping Point:</b> Brighton, CO, USA <b>Sales Office:</b> Rocky Mountains BD <b>Well Type:</b> Gas <b>Well Category:</b> Development	
<b>Ship To:</b> EAST CHEYE ECGS 31-7 WPD005-1, LOGAN ECGS 31-7 WPD005-1 2957636 PEETZ, CO 80747			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
----------	-------------	-----	-----	----------	----------	--------------	----------	------------

THIS OUTPUT DOES NOT INCLUDE TAXES. APPLICABLE SALES TAX WILL BE BILLED ON THE FINAL INVOICE.  
 CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ABOVE AND ON THE ATTACHED DOCUMENTS.

X \_\_\_\_\_ FIELD TICKET TOTAL: USD 16,130.48

Customer Signature

Was our HSE performance satisfactory? Y or N      Were you satisfied with our Equipment? Y or N      Were you satisfied with our people? Y or N  
 (Health, Safety, Environment)

Comments

*The Road to Excellence Starts with Safety*

Sold To #: 361672	Ship To #: 2957636	Quote #:	Sales Order #: 9890819
Customer: EAST CHEYENNE GAS STORAGE		Customer Rep: ASHBY, JOHN	
Well Name: ECGS	Well #: 31-7 WPD005-1	API/UWI #: 05-075-09410	
Field: PEETZ WEST	City (SAP): PEETZ	County/Parish: Logan	State: Colorado
Contractor: CADE Drilling		Rig/Platform Name/Num: 22	
Job Purpose: Cement Production Casing			
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: AARON, WESLEY		Srvc Supervisor: PICKELL, CHRISTOPHER	MBU ID Emp #: 396838

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BELL, ROBERT Preston	9	437060	OTERI, VAUGHN Steeves	9	443828	PICKELL, CHRISTOPHER Lee	9	396838

**Equipment**

HES Unit #	Distance-1 way						
10248053C	150 mile	11605597	150 mile	11667703C	150 mile		

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
10/17/12	9	3						
<b>TOTAL</b>			<i>Total is the sum of each column separately</i>					

**Job**

**Job Times**

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	17 - Oct - 2012	03:00	MST
Form Type	BHST		Job Started	17 - Oct - 2012	08:40	MST
Job depth MD	5265. ft	Job Depth TVD	Job Completed	17 - Oct - 2012	15:20	MST
Water Depth		Wk Ht Above Floor	Departed Loc	17 - Oct - 2012	16:33	MST
Perforation Depth (MD)	From	To		17 - Oct - 2012	17:30	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
8 3/4" Open Hole				8.75				1212.	5265.		
7" Production Casing	New		7.	6.276	26.			.	5243.		
Surface Casing	Unknown		9.625	9.184	22.5			.	1212.		

**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										
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	

Stage/Plug #: 1

# HALLIBURTON

## Cementing Job Log

Pump Displacement	10/17/2012 15:55		6	200.3	294.8		500.0	PUMP DISPLACEMENT USING RIG WATER. FIRST 20 BBL COMPANY MAN HAD US PUT IN 1 BAG OF B.E 3 THAT HE HAD WITH HIM
Bump Plug	10/17/2012 16:33		3				814.0	CALCULATED PRESSURE TO LAND WAS 511. PLUG LANDED WITH 814 PSI GOING 500 PSI OVER FINAL LIFT
Check Floats	10/17/2012 16:35							PRESSURE WAS HELD FOR 2 MINUTES THEN RELEASED. FLOATS HELD. 1 BBL BACK TO TANKS
End Job	10/17/2012 16:36							

Sold To # : 361672

Ship To # :2957636

Quote # :

Sales Order # :

9890819

SUMMIT Version: 7.3.0040

Wednesday, October 17, 2012 05:08:00

**Material Roll Up**

Sales Order #: 9890819  
 AFE #:  
 WO #:  
 PO #:

Crew: RED CREW  
 Requested Job Start Date: \_\_\_\_\_

**Colorado Oil and Gas Commission Wellsite Form**

Customer: EAST CHEYENNE GAS STORAGE Field: PEETZ WEST Job Type: PRODUCTION  
 UWI / API Number: 05-075-09410 County/Parish: LOGAN Service Supervisor: CHRISTOPHER PICKELL  
 Well Name: ECGS State: COLORADO  
 Well No: 31-7 WT00054 Latitude:  
 Stage / Zone: Longitude: Cust Rep Name: JOHN ASHBY  
 Formation: Sect / Twn / Rng: / / Cust Rep Phone #: (303)884-7330

Do Not leave the yard without the proper MSDS documentation for All chemicals.

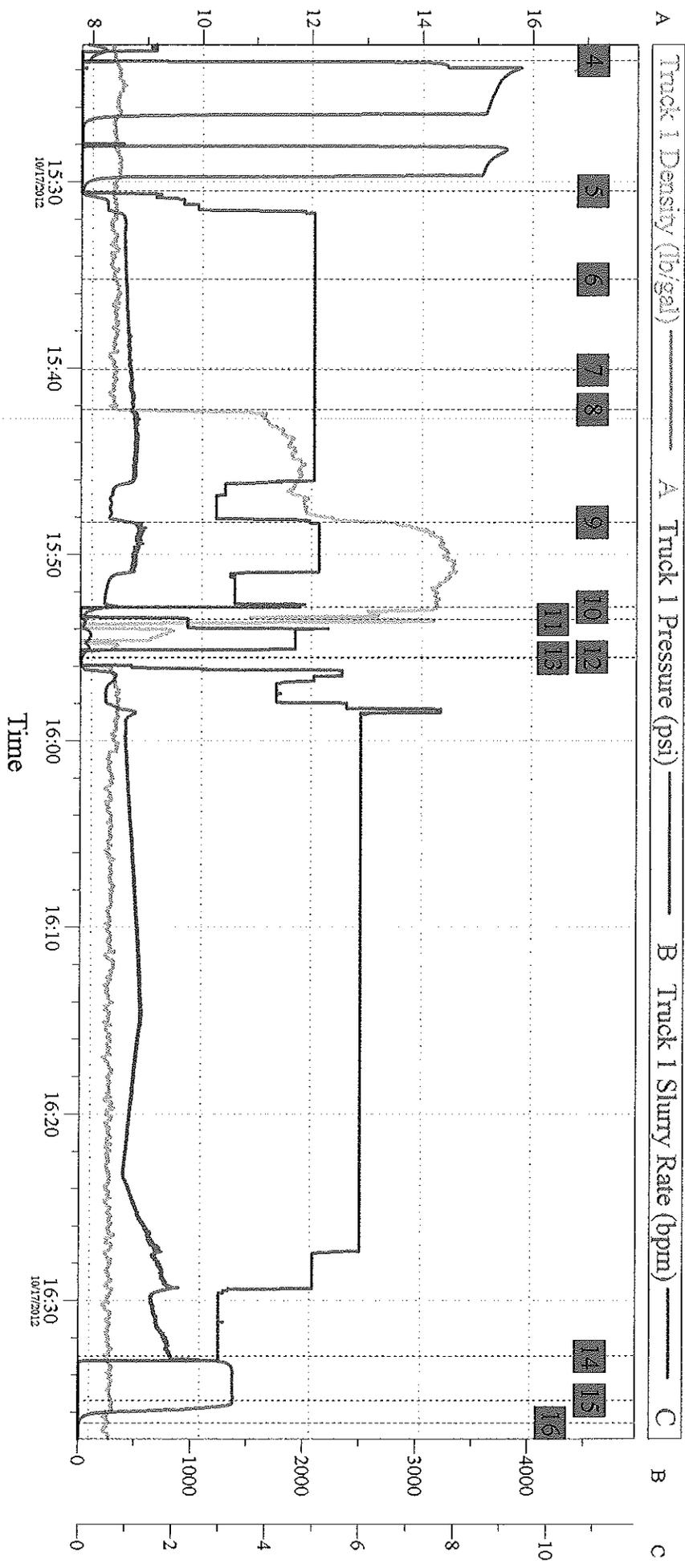
Colorado Oil and Gas Commission					
Material	Delivered to Location	UOM	Specific Gravity	Weight (lbs)	Comment
EXTENDACEM 11.8#	10/17/12	LB		5409	BLEND CEMENT WITH ADDITIVES
EXPANDACEM 14.6#	10/17/12	LB		7572	BLEND CEMENT WITH ADDITIVES
		LB			BLEND CEMENT WITH ADDITIVES
		LB			BLEND CEMENT WITH ADDITIVES
		LB			BLEND CEMENT WITH ADDITIVES
MUDFLUSH	10/17/12	LB		80	MUD FLUSH
		LB			

X

Operator provided all Material Safety Data Sheets (MSDS) related to material listed above.  
 Operator representative will check box to designate he/she has received all MSDS documentation.

\_\_\_\_\_  
 Operator Representative Signature

# ECCGS 31-7 EAST CHEYENNE GAS STORAGE



## Global Event Log

Intersection	T1P	Intersection	T1P	Intersection	T1P
4 Test Lines	15:23:30 70.24	5 Pump Water W/Clayweb	15:30:30 11.06	6 Pump Mudflush	15:35:14 398.0
7 Pump Water W/Clayweb	15:40:06 439.0	8 Pump Extendacem 11.8#	15:42:13 460.5	9 Pump Expandacem 14.6#	15:48:16 442.6
10 Shutdown	15:52:49 322.0	11 Clean Lines	15:53:29 27.27	12 Drop Top Plug	15:55:30 13.00
13 Pump Displacement	15:55:33 11.00	14 Bump Plug	16:33:00 814.3	15 Check Floats	16:35:23 1379
16 End Job	16:36:35 10.59				

Customer: EAST CHEYENNE GAS STORAGE	Job Date: 17-Oct-2012	Sales Order #: 9890819
Well Description: ECGS 31-7	UWT: 05-075-09410	
SERVICE SUPERVISOR CHRISTOPHER PICKELL	SERVICE OPERATOR VAUGHN OTERI	