

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

## SUNDRY NOTICES AND REPORTS ON WELLS

SEP 23 2009

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
St. Mary Land & Exploration Co.3a. Address 3b. Phone No. (include area code)  
3300 N. A Street, Bldg. 7, Ste. 200 Midland, TX 79701 (361) 688-17894. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2310' FNL & 2310' FEL UL: G, Sec. 24, T-18-S, R-31-E  
SW4/NE4

5. Lease Serial No.

NM106714

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No

8. Well Name and No.

Geronimo Battery

9. API Well No.

30-015-24927

10. Field and Pool, or Exploratory Area

Shugart

11. County or Parish, State

Eddy, County, NM

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Set new Lact Unit
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

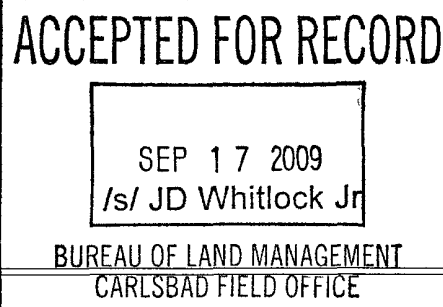
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

8/14/09 Installed new Lact unit at Geronimo Battery

Attached:

1. Meter Proving Report (New Meter 1st report). Meter Proving witnessed by: Darrell E. Carter w/BLM
2. Latest Gas Stream Analysis by DCP Midstream for wells going through lact meter.
3. Updated Site Security Diagram as of 8/14/09.

Accepted for Record Purposes.  
Approval Subject to Onsite Inspections.  
Date: 9-17-09



14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Donna Huddleston

Title Production Tech

Signature

Date 08/24/2009

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

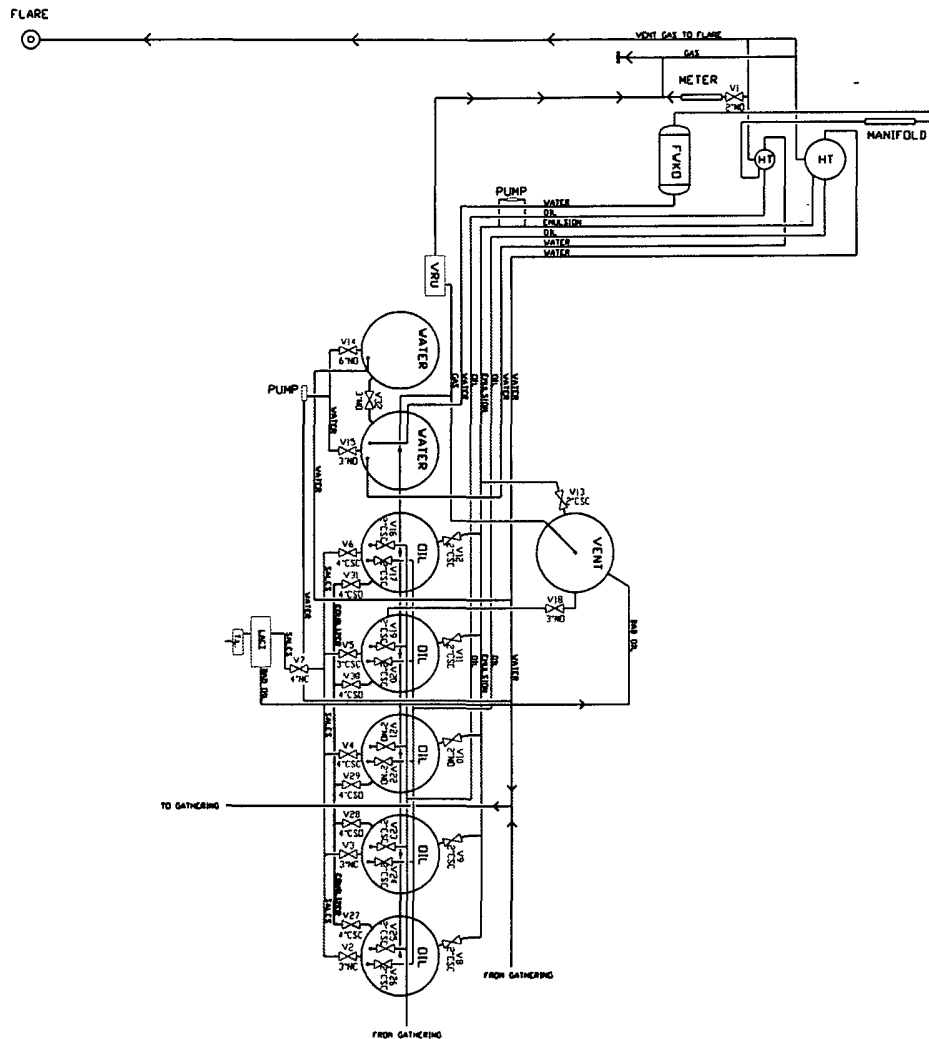
(Instructions on page 2)

712

# Lact Service Co.

## Meter Proving Report - Mechanical Displacement Method

Meter No.:	amb. Temperature	78 degs	Test No.	1	Rate ( High/Low )	Low
Producer or Owner:	St. Mary		Test Date	Aug 14, 2009		
Name of Lease or Station:	Geronimo Fed Batt					
Make and Size of Meter:	Smith 3"			Model:	E-3 S1	
Serial No.:	61926	TLZr.:	531			
Prover Cert No.:	335	Prover Calibration Date:			Jul 07, 2009	
Make & Size of Prover:	Maloney 8"			W.T.	.322	Pipe ID 7 981
Prover Type:	Bi-Dir.	Capacity:			2.149550 at 0 psig	
Date of Last Meter Calibration:	* *					
Grade of Crude	W.T. Sour	Gravity @ 60			40.8	
RUN INFORMATION		Observed Gravity			43.1	at 86
Run Number 1						
Trip No.	Puls (o w)	Puls (r t)	Prov. Temp.	Prov. Press.	Meter Temp.	Meter Pressure
1		18,089	90.3	47	90.3	47
2		18,091	90.3	47	90.3	47
3		18,090	90.3	47	90.3	47
4		18,089	90.3	47	90.3	47
5		18,093	90.3	47	90.3	47
Total		90,452				
Avg.		18,090.4	90.3	47	90.3	47
PROVER VOLUME MEASUREMENT DATA						
					Run # 1	Run # 2
Time per Round Trip					23.45	
Rate (BPH)					330.0	
Av Prover Pressure					47	
Av Prover Temp.					90.3	
CPS:					1.00004	
CTS:					1.00056	
CTL:					0.98458	
CPL per #					.612	1.00029
Net Prover Volume					2.11829	
Run Number 2						
Trip No.	Puls. (o w)	Puls. (r t)	Prov. Temp	Prov. Press.	Meter Temp.	Meter Pressure
1						
2						
3						
4						
5						
Total						
Avg.						
METERED VOLUME DATA						
					Run # 1	Run # 2
Meter Proving Pressure:					47	
Mtr Prov Fluid Temp					90.3	
Pulses per Barrel					8400	
Meter Registration					2.15362	
CTL:					0.98458	
Net Metered Barrels:					2.12103	
M F (prov press.):					0.9987	
Average Meter Factor:					0.9987	
Meter CPL per #					.612	1.00029
Av M F. (for 0 PSI)					0.9984	
Previous Conditions						
Factor.	*					
Pressure	*	PSI				
Gravity.	*	at 60F				
Temp..	*	F				
Flow	*	BPH				
Remarks next proving date						
* New Meter 1st Proving						
Current temp. on LACT TA=	90.4	for Lact Service				
Current temp. on my TA=	90.3	for ST. Marys				
Temp Averager	0	for BLM				
		for Plains				



General sealing of valves, sales by tank gauging.

Production phase: All drain valves, V8 thru V15, and all sales valves, V1 thru V7, sealed closed.

Sales phase: The tank from which sales are being made will be isolated by sealing closed the drain valve, fill valve, and the equalizer valve(s) during sales.

Draining phase: The tank being drained will be isolated by sealing closed the sales valve, fill valve, equalizer valve(s), and the drain valves on the other tanks.


#### VALVE SERVICE

SALES:.....V1 thru V7

CIRC.&DRN:..V8 thru V15

FILL:.....V16 thru V26

EQUIL:.....V27 thru V32

1. PROJECT NO.	2. DATE	3. BY	4. CHECKED BY	5. DATE
6. PROJECT NAME	7. LOCATION	8. DRAWN BY	9. DATE	10. DATE
 <b>ST. MARY LAND &amp; EXPLORATION COMPANY</b>				
<b>SITE SECURITY DIAGRAM</b> <b>GROUNDING FERRIS</b>				
<b>SEC. 24 TWP. 18 S. RANG. 31 E.</b>				
<b>LEAD COUNTY</b> DRAWN BY: <b>RYAN C.</b> DATE: <b>4-14-09</b> SCALE: <b>NONE</b> CDS NO: <b>30-2022</b>		CHECKED BY: <b>PAUL PORTER</b> DATE: <b>4-14-09</b> CDS NO: <b>30-2022</b> SHEET: <b>1 of 1</b>		
				<b>NEW MEXICO</b> <b>DATE</b>
				<b>A &amp;</b>



**DCP Midstream**  
370 17th Street, #2500 Denver CO 80202  
**Gas Analysis Certificate Report**

08/24/2009  
09:35:27  
BTONGE

**Analysis ID: 14886-00**

**Alternate ID: EDSU & GERON**

**Company Name: ST MARYS LAND & EXPLORATIC**

<b>Effective Date:</b> 07/01/2009 00:00	<b>Saturated HV:</b> 1892.5	<b>Sample Date:</b> 06/18/2009
<b>Valid Thru Date:</b> 01/18/2038 00:00		<b>Sample ID:</b> 3005001
<b>Last Update:</b> 06/19/2009 19:20	<b>Dry HV:</b> 1926.2	<b>Sample Type:</b> Spot
<b>Analysis Origin:</b> Portable Chromatogi	<b>Gravity:</b> 1.1912	<b>Sample Pressure Base:</b> 14.650
<b>Analysis Type:</b> Lab analysis	<b>Source:</b> Import	<b>Sample Temperature:</b> 82.0
		<b>Sample Pressure:</b> 21.0

<u>Component</u>	<u>% Mol</u>	<u>GPM</u>		
Methane	33.0710		C4 and lighter STCnd	0.0000
Ethane	22.8100	6.0656	C5 and heavier STCnd	0.0000
Propane	24.5500	6.7251	26 # Gasoline @14.65	2.8360
I Butane	3.2550	1.0591	26 Lbs. excess	0.0000
N Butane	7.1640	2.2457	Stock Tank Bbl/mm	0.0000
I Pentane	1.8130	0.6593	H2O GPMs	0.0000
Pentane	1.4720	0.5305	FWS Factor	0.0000
Hexanes+	1.6830	0.7302	FWS C6+or C7+ GPM	0.000
			Reject Override Code	0
			GC Unnormalized Mol%	103
			TestCar GPM Permian	2.331
			TestCar GPM Panhndle	2.919
Nitrogen	4.1090		Run Number	3005000
CO2	0.0730		H2S Test Type	0
Oxygen	0.0000		H2S Units	0
H2O	0.0000		H2S PPM	0
CO	0.0000		TestCar GPM MidCon	2.599
H2S	0.0000			
Hydrogen	0.0000			
Helium	0.0000			
Argon	0.0000			
<b>Total</b>	<b>100.0000</b>	<b>18.0155</b>		

**Comments:**

**GPM-0681**



**DCP Midstream**  
370 17th Street, #2500 Denver CO 80202  
**Gas Analysis Certificate Report**

08/24/2009  
09:34:45  
BTONGE

**Analysis ID: 700227-00**

**Alternate ID: EDSU & CONOC**

**Company Name: ST MARYS LAND & EXPLORATIC**

<b>Effective Date:</b> 06/01/2009 00:00	<b>Saturated HV:</b> 1802.7	<b>Sample Date:</b> 05/26/2009
<b>Valid Thru Date:</b> 09/01/2009 00:00		<b>Sample ID:</b> 3005001
<b>Last Update:</b> 05/28/2009 10:20	<b>Dry HV:</b> 1834.9	<b>Sample Type:</b> Spot
<b>Analysis Origin:</b> Portable Chromatogr	<b>Gravity:</b> 1.1521	<b>Sample Pressure Base:</b> 14.650
<b>Analysis Type:</b> Lab analysis	<b>Source:</b> Import	<b>Sample Temperature:</b> 87.0
		<b>Sample Pressure:</b> 30.0

<u>Component</u>	<u>% Mol</u>	<u>GPM</u>		
Methane	34.8990		C4 and lighter STCnd	0.0000
Ethane	22.1360	5.8863	C5 and heavier STCnd	0.0000
Propane	23.2560	6.3706	26 # Gasoline @14.65	2.4920
I Butane	2.8120	0.9150	26 Lbs. excess	0.0000
N Butane	6.5190	2.0435	Stock Tank Bbl/mm	0.0000
I Pentane	1.4770	0.5371	H2O GPMs	0.0000
Pentane	1.2660	0.4563	FWS Factor	0.0000
Hexanes+	1.5690	0.6808	FWS C6+or C7+ GPM	0.000
			Reject Override Code	0
			GC Unnormalized Mol%	102
			TestCar GPM Permian	1.996
			TestCar GPM Panhandle	2.401
Nitrogen	6.0380		Run Number	3005000
CO2	0.0240		H2S Test Type	0
Oxygen	0.0000		H2S Units	0
H2O	0.0000		H2S PPM	0
CO	0.0000		TestCar GPM MidCon	1.957
H2S	0.0040			
Hydrogen	0.0000			
Helium	0.0000			
Argon	0.0000			
<b>Total</b>	<b>100.0000</b>	<b>16.8896</b>		

**Comments:**

**GPM-0681**