

MAR 30 2009

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED  
OMB NO 1004-0137  
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Diff Resvr  
Other \_\_\_\_\_

2 Name of Operator  
ST. MARY LAND & EXPLORATION COMPANY

3 Address 3300 N. "A" ST, BLDG 7, SUITE 200, MIDLAND, TX 79705

3a Phone No (include area code)  
432 688 1789

4 Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface 430' FSL & 1650' FEL (O), Sec 13, T18S, R31E

same

At top prod. interval reported below

At total depth same

14 Date Spudded  
03/30/1987

15 Date T D Reached  
04/09/1987

16 Date Completed  
☐ D & A ☒ Ready to Prod

17 Elevations (DF, RKB, RT, GL)\*  
3727.4

18 Total Depth MD  
TVD 5450'

19 Plug Back T D MD 5284'  
TVD

20 Depth Bridge Plug Set MD  
TVD drilled out CIBP @ 4781'

21 Type Electric & Other Mechanical Logs Run (Submit copy of each)

GR/CNL/CBL - on file w/BLM

22 Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

23 Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt (#/ft)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
12 1/4"	J 55 8 5/8"	24#	0	366'		230 sx		surface	
7 7/8"	J55 5 1/2"	17#	-	5450'		1950 sx		surface	

24 Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	5132'							

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) Delaware	5085'	5374'	5164-5180'		5	open
B) Delaware	5164'	5374'	5315-5374'		6	CIBP @ 5284'
C)						
D)						

27 Acid, Fracture, Treatment, Cement Squeeze, etc

Depth Interval	Amount and Type of Material
5164-5180'	14,280 gal frac w/31,120# sand

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
8/01/08	8/14/08	24	→	3	1	225	38		pump
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→				333	producing	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD

MAR 28 2009

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

\*(See instructions and spaces for additional data on page 2)

MR

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.) sales

## 30. Summary of Porous Zones (Include Aquifers).

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc	Name	Top
					Meas. Depth
			on file		

## 32. Additional remarks (include plugging procedure):

Re-completion, drilled out plugs set over Delaware 7-27-88. Well previously produced from Seven Rivers, Queen, Grayburg, SA. Perforations from 3790 to 4870 squeezed with 371 sx CI C cement 6-18-08, Sundry Notice filed.

## 33. Indicate which items have been attached by placing a check in the appropriate boxes.

- ☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Ann E. RitchieTitle Regulatory AgentSignature Date 03/02/2009

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.

(Continued on page 3)

(Form 3160-4, page 2)

**District I**

1625 N. French Dr., Hobbs, NM 88240

**District II**

1301 W. Grand Avenue, Artesia, NM 88210

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410

**District IV**

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number <b>30-015-25741</b>	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name <b>Shugart Delaware East</b>
<sup>4</sup> Property Code <b>25743</b>	<sup>5</sup> Property Name <b>East Shugart Delaware Unit</b>	
<sup>7</sup> OGRID No. <b>154903</b>	<sup>8</sup> Operator Name <b>St. Mary Land &amp; Exploration Company</b>	
		<sup>6</sup> Well Number <b>001</b>
		<sup>9</sup> Elevation <b>3727'</b>

**<sup>10</sup> Surface Location**

UL or lot no. <b>O</b>	Section <b>13</b>	Township <b>18S</b>	Range <b>31E</b>	Lot Idn	Feet from the <b>430</b>	North/South line <b>South</b>	Feet from the <b>1650</b>	East/West line <b>East</b>	County <b>Eddy</b>
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**<sup>11</sup> Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres <b>40</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.					

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<sup>16</sup> 	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  Signature _____ Date <b>02/04/2008</b> Ann E. Ritchie, Regulatory Agent Printed Name _____ <b>Recompletion/drill out to Delaware</b>		
	<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> Date of Survey _____ Signature and Seal of Professional Surveyor _____		
	Certificate Number _____		