

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
NM 2537

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☒ Oil Well

☐ Gas Well

☐ Other

FEB 21 2008

2. Name of Operator

ST. MARY LAND & EXPLORATION

OCD-ARTESIA

7. If Unit of CA/Agreement, Name and/or No.  
NMNM101361X

8. Well Name and No.  
East Shugart Delaware Unit, Well #1

9. API Well No.  
30 015 25741

3a. Address

3300 N. "A" St., Bldg 7, Suite 200  
Midland, TX 79705

3b. Phone No. (include area code)

432 684-6381/688-1787

10. Field and Pool or Exploratory Area  
Shugart Delaware East

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Section 13, T16S, R31E, 430' FSL & 1650' FEL (O)

11. Country or Parish, State  
Eddy County, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<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 recompleate 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Propose to drill out CIBP set at 3750', set over perforations from 3790-94', and 4330-4428' - Grayburg.

Propose to drill out CIBP set @ 4781' and 30' cement @ 4751', over perforations @ 4848-4870' - Bone Springs.

Propose to drill out CIBP @ 5050 and Cmt Retainer @ 5150', perforate and test Delaware from 5163-5202'.

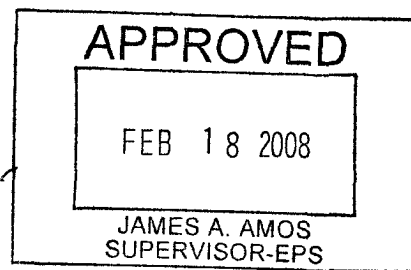
Will produce under packer to isolate production testing in the Delaware. Evaluate for downhole commingling and/or squeeze upper perforations.

As per diagram attached cement is circulated to surface behind 8 5/8" @ 366' and the 5 1/2" production string from 5450' to surface.

OCD Form C-102 attached.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

\* By 6/18/08 either return well to prod. or  
submit plans for Abandonment



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

Name (Printed/Typed)

Ann E. Ritchie

Title Regulatory Agent

Signature

Date 02/04/2008

**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)

**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>6</sup> Well Number <b>001</b>
<sup>7</sup> OGRID No. <b>154903</b>	<sup>8</sup> Operator Name <b>St. Mary Land &amp; Exploration Company</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.

<div style="text-align: center;"> </div>	<b><sup>17</sup> OPERATOR CERTIFICATION</b> 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. <div style="text-align: right;">             Signature         </div> <div style="text-align: right;">           02/04/2008            Date         </div> Ann E. Ritchie, Regulatory Agent Printed Name			
	<b>Recompletion/drill out to Delaware</b>			
	<b><sup>18</sup> SURVEYOR CERTIFICATION</b> 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.			
	Date of Survey Signature and Seal of Professional Surveyor Certificate Number			

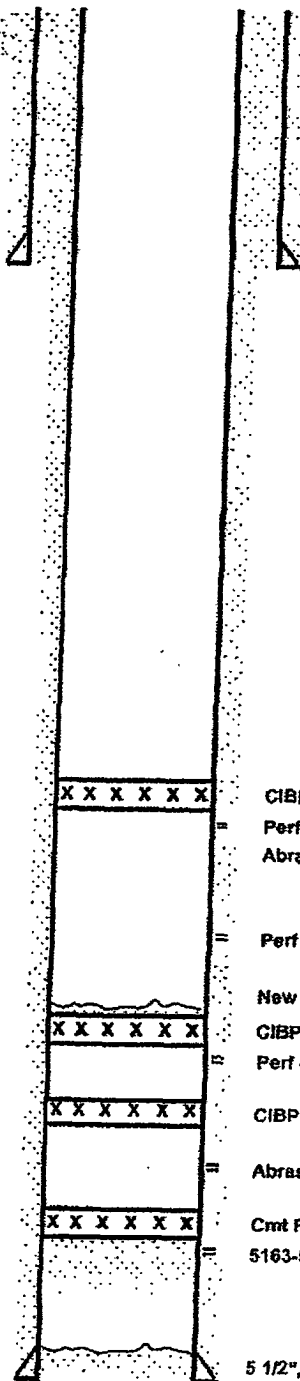
# WELLBORE DIAGRAM

## ESDU #1

LEASE: ESDU UL: 0 WELL NO.: 1  
LOCATION: 430' FSL & 1650' FEL SEC: 13 T:16S R:31E  
FIELD: SHUGART DELAWARE EAST GL: 3727 CT/ST: EDDY, NM  
CURRENT STAT. TEMP ABANDONED

API #: 30-015-25741  
SPUD: 3/30/87  
COMP: 8/8/87  
INITIAL FORM: BONE SPRINGS

CURRENT  
WELLBORE



8 5/8" 24" @ 366'  
Cmtd w/230 sx, circ  
40 sx to surf

CIBP @ 3750'

Perf 3790-94', 2 JSPF (8 holes)  
Abrasa Jet - 2 cuts @ 3792'

Perf 4330-4428', 1 SPF (6 holes), Grayburg

New PBD 4751'

CIBP @ 4781' w/30' cmt on top  
Perf 4848-4870' (23 holes), Bone Springs

CIBP @ 5050'

Abrasa Jet - 2 cuts @ 5085'

Cmt Ref @ 5150'

5163-5202', 1spf(7 total) at 5163,65,68,72,76,5201,5202, Sqzd w/588 sx

5 1/2", 17", J-55 @ 5450'  
Cmtd w/ 1950 sx, circ  
15 sx to surf

### WELL HISTORY

Apr-87 TD well @ 5450'  
Perf 5163-5202', 1 JSPF. Acidize w/2000 gals  
7-1/2% MYA-100. Frac w/40,000 gals + 60,000# sand  
Jun-87 Set rat @ 5150'. Squeeze perms 5163-5202' w/588 sx cmt.  
Abrasa jet 2 cuts @ 5085', acidize w/500 gals  
7-1/2% NEFE. Frac cuts @ 5085' w/10,000 gals  
+ 21,000# sand.  
Aug-87 Set 5-1/2" CIBP @ 5050'.  
Perf 4848-4870', 1 JSPF (23 holes). Acidize w/2100  
gals 7-1/2% HCL. Frac w/20,000 gals + 42,500# sand.  
Jul-88 Set CIBP @ 4781'. Perf 4330-4428' (OA), 1 SPF (6 holes).  
Acidize w/1200 gals 15% SRA & 18 ball sealers. Frac only  
4330-32' w/40,000 gals WF 35 & 63,000# sand.  
Aug-89 Set RBP @ 4150'. Abrasa jet 2 cuts @ 3792'.  
Acidize w/1000 gals 10% MSR-100. Frac cuts  
w/7800 gals 30# x-link & 3000# 10/20 Ottawa sand.  
Clean out to 4150' (RBP). Ref RBP @ 4150' and POH.  
Nov-89 Perf (re-shoot) 3790', 91', 93' & 94', 2 JSPF (8 holes).  
Acidize w/1500 gals 10% SRA. Re-frac perms & cuts  
3790-94' w/15,000 gals 30# x-link & 24,000# 16/30  
Ottawa sand.  
Mar-02 Set CIBP @ 3750'.

PBTD: 5404'  
TD: 5450'

DATE: 1/9/08  
PREPARED BY:  
L. HAGELSTEIN