

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2004

5. Lease Serial No.

NM 106713

6. Indian, Allottee or Tribe Name

1a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry ☐ Other WIW

b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.

Other WIW

2. Name of Operator

St. Mary Land & Exploration

3. Address

580 Westlake Park Blvd Suite 600 Houston, Tx. 77079

3a. Phone No. (include area code)

(281) 677-2772

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

At surface 475 FNL 506 FEL UL:A

At top prod. interval reported below SAME

At total depth SAME

RECEIVED

MAY 27 2005

OOO-ARTESIA

7. Unit or CA Agreement Name and No.

EAST SHUGART DELAWARE UNIT

8. Lease Name and Well No.

ESDU #17

9. API Well No.

30-015-33841

10. Field and Pool, or Exploratory

EAST SHUGART DELAWARE UNIT

11. Sec., T., R., M., on Block and Survey or Area

SEC 24 T18S R31E

12. County or Parish

EDDY

13. State

NM

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

3715

14. Date Spudded

2-21-05

15. Date T.D. Reached

3-4-05

16. Date Completed

☐ D&A ☒ Ready to Prod.

18. Total Depth: MD 5537  
TVD 5537

19. Plug Back T.D.: MD 5507  
TVD

20. Depth Bridge Plug Set: MD  
TVD

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

Compensated Neutron and Azimuthal Laterolog

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4"	8 5/8"	24	0	866'		See #27		0	
7 7/8"	5 1/2"	15.5	0	5537				0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Delaware			5082-5106, 5116-5207, 5230-5242	0.4	25	OPEN
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5082-5242	2500 gals 15% HCl, 99 bbls 2% KCl water
	23. 8 5/8" cement - 540 sx "C" + 2% CaCl2 + 1/4#/sx Cellofack mixed @ 14.8 PPG, 137 sx circulated
	5 1/2" cement - Lead: 750 sx 50/50/10 "C" mixed @ 11.8 PPG, 2.29 cuft/sx yield Tail: 330 sx 15/61/11 "C" + 2.5 #/sx salt + 5 #/sx LCM
	mixed @ 13.2 PPG, 1.62 cuft/sx yield, circulated 122 sx to surface

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
4-5-05			<input type="checkbox"/>						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>					WIW	

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
			<input type="checkbox"/>						
Choke Size	Tbg. Press. Flwg. SI	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

(See instructions and spaces for additional data on next page)

ACCEPTED FOR RECORD

MAY 25 2005

ALEXIS C. SWOBODA  
PETROLEUM ENGINEER

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
			<input type="checkbox"/>						
Choke Size	Thg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>					WIW	

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
			<input type="checkbox"/>						
Choke Size	Thg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

29. Disposition of Gas (Sold used for fuel, vented, etc.)

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
Brushy Canyon	5012	TD	Water Injection Well	T/Salt	1000
				B/Salt	2207
				Queen	3538
				Penrose	3768
				Grayberg	3955
				Delaware	4513
				Cherry Canyon	4785
				Brushy Canyon	5012

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- ☒ 1 Electrical/Mechanical Logs (1 full set req'd.)   
 ☐ 2 Geologic Report   
 ☐ 3 DST Report   
 ☐ 4 Directional Survey  
☐ 5 Sundry Notice for plugging and cement verification   
☐ 6 Core Analysis   
☐ 7 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) Marcie St. Germain

Title Production Tech

Signature Marcie St. Germain

Date 5-18-05

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.

30-015-33841

WELL NAME AND NUMBER East Shugart Delaware Unit No. 17  
 LOCATION 475' FNL & 50' FEL, Section 24, T18S, R31E, Eddy County NM  
 OPERATOR St. Mary Land & Exploration Company  
 DRILLING CONTRACTOR United Drilling, Inc.

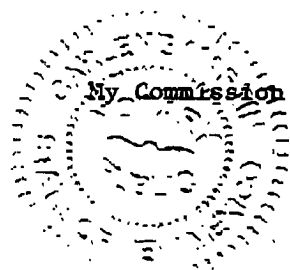
The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>3/4° 505'</u>	<u>3/4° 4312'</u>	
<u>1-1/4° 857'</u>	<u>1° 5220'</u>	
<u>1/2° 1323'</u>		
<u>1/2° 1824'</u>		
<u>1-3/4° 2326'</u>		
<u>1° 2830'</u>		
<u>1° 3332'</u>		
<u>3/4° 3804'</u>		

Drilling Contractor United Drilling, Inc.  
 By: George A. Aho  
 Title: Business Manager

Subscribed and sworn to before me this 11<sup>th</sup> day of March, 2005.

Carlene Mailin  
 Notary Public



My Commission Expires: 10-08-08

Chaves New Mexico  
 County State