

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-24160

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

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 1870' FSL, 1480 FEL, UL J

At top prod. interval reported below

At total depth

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

PARKWAY DELAWARE UNIT 19265

8. Lease Name and Well No.

PDU #510

9. API Well No.

30-015-33072

10. Field and Pool, or Exploratory

PARKWAY DELAWARE UNIT 19265

11. Sec., T., R., M., on Block and Survey or Area  
SEC 35-T19S-R29E

12. County or Parish

EDDY

13. State

NM

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

GL 3329'; KB 3342'; DF 3341'

14. Date Spudded

11-28-03

15. Date T.D. Reached

12-09-03

16. Date Completed

☐ D&A ☒ Ready to Prod.

18. Total Depth: MD 4553

TVD 4553

19. Plug Back T.D.: MD

TVD

20. Depth Bridge Plug Set:

MD

TVD

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

22. Was well cored? ☒ No ☐ Yes (Submit analysis)

Was DST run? ☒ No ☐ Yes (Submit report)

Directional Survey? ☒ No ☐ Yes (Submit copy)

See list under #32, Page 2

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
17 1/2	13 3/8 H40	48	0	341		250H, 400C		0 (CIRC)	
12 1/4	8 5/8 J55	24&32	0	3200		350C, 800C		0 (CIRC)	
7 7/8	5 1/2 J55	15.5	0	4553		585C		0 (CIRC)	

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 7/8	3945'							

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DELEWARE "C"			4172-4179		8	OPEN
B) DELAWARE "C"			4187-4200		14	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
4172-4179; 4187-4200	2500 GAL 7 1/2% HCL; FRAC W/ 21,000 GAL CLEARFRAC 31,000# 16/30 BRADYS AND LAST 15,000 TREATED WITH PROPNET

RECEIVED

NOV 11 2004

OCD-ARTESIA

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
	7-22-04	24	<input type="checkbox"/>	201	30	80	42.0		1 1/2" insert pump
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"/>	201	30	80	.1493	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
			<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)

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

## 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	Tbg 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.)

SOLD

## 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
CAPITAN				TANSILL	1260'MD(+2082')
				YATES	1383'MD(-1959')
DELAWARE				CAPITAN REEF	2694'MD(+648')
				DELAWARE	3500'MD(-158')

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

#21 Submitted Logs  
Azimuthal Laterlog Micro-CFL/GR  
Four Arm Caliper Gamma Ray  
Three Detector Litho-Density Compensated Neutron/GR  
Spectral Gamma Ray  
Combinable Magnetic Resonance Tool Monitor Log/GR

## 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 Technician

Signature Marcie St. Germain

Date October 27, 2004

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.

WELL NAME AND NUMBER P.D.U. No. 510

LOCATION Section 35, T19S, R29E, 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° 141'</u>	<u>1-1/2° 2743'</u>	<u>                    </u>
<u>1-1/4° 340'</u>	<u>1-1/2° 3026'</u>	<u>                    </u>
<u>1-1/4° 618'</u>	<u>1-3/4° 3200'</u>	<u>                    </u>
<u>1-1/4° 1024'</u>	<u>3/4° 3674'</u>	<u>                    </u>
<u>1-1/2° 1269'</u>	<u>1° 4172'</u>	<u>                    </u>
<u>1/2° 1526'</u>	<u>1° 4550'</u>	<u>                    </u>
<u>3/4° 2023'</u>	<u>                    </u>	<u>                    </u>
<u>1/2° 2523'</u>	<u>                    </u>	<u>                    </u>

Drilling Contractor United Drilling, Inc.

By: George A. Aho

George A. Aho

Title: Business Manager

Subscribed and sworn to before me this 15<sup>th</sup> day of December,  
2003.

Carlene Martine  
Notary Public

My Commission Expires: 10-04-04

Chaves, New Mexico  
County State

