

2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NMOCd

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

5. Lease Serial No.  
NM 67102

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 &amp; 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 1500' FNL, 2060' FEL UL:G

At top prod. interval reported below SAME

At total depth SAME

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OCU-ARTEGIA

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

PARKWAY DELAWARE UNIT

8. Lease Name and Well No.

PDU #307Y

9. API Well No.

30-015-33997 SI

10. Field and Pool, or Exploratory

PARKWAY DELAWARE UNIT 49625

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

SEC 35-T19S-R29E

12. County or Parish

EDDY

13. State

NM

14. Date Spudded

4-29-05

15. Date T.D. Reached

5-11-05

16. Date Completed

☐ D&A☒ Ready to Prod.

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

3315' GL

18. Total Depth: MD 4600  
TVD 460019. Plug Back T.D.: MD 4505  
TVD 450520. Depth Bridge Plug Set: MD  
TVD

21. Type Electric &amp; 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 #32

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/H-40	48#	0	415'		1. below		0	
12 1/4	9 5/8/I-55	36#	0	1500'		2. below		0	
8 1/2	7/I-55	23#	0	3220'		3. below		0	
6 1/2	4 1/2/I-55	10.5#	0	4600'		Lead 150 sx		0	
						Tail 200 sx			
						Class C			

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 "C"			4134-4140	.4	13	Open
B) Delaware "C"			4148-4153	.4	11	Open
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
4134-4153	1200 gals 15% HCl, 55 bbls flush 2% KCl
	1. Lead-200 sx Class C; Tail-150 sx Class C circ to surface
	2. Lead-280 sx Class C; Tail- 200 sx Class C circ to surface
	3. Stage 1 - 63 bbl Cl C @ 11.9 PPG + 48 bbls Cl C @ 14.8 PPG
	Stage 2 - 36 bbl Cl C @ 11.9 PPG, circ 10 bbl 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
6-02-05	6-08-05	24	<input type="checkbox"/>	5	2	56			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"/>					PRODUCING	

ACCEPTED FOR RECORD

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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"/>						

ALEXIS C. SWOBODA  
PETROLEUM ENGINEER

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

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
Delaware "A"	3907	3988	Oil	Delaware	3629
Delaware "B"	3988	4132			
Delaware "C"	4132	4248			

32. Additional remarks (include plugging procedure):

\*\* Compensated Neutron Three Detector Litho Density and Hi-Res Laterolog - Micro - 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 Tech

Signature

Marcie St. Germain

Date 6-21-05

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.

WELL NAME AND NUMBER Parkway Delaware Unit 307Y  
LOCATION 1500' FNL & 2060' FEL, 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>1-1/4° 391'</u>	<u>1° 4563'</u>	
<u>3-1/2° 943'</u>		
<u>2° 1038'</u>		
<u>3-1/2° 1483'</u>		
<u>1-1/4° 1995'</u>		
<u>3/4° 2502'</u>		
<u>1/2° 3183'</u>		
<u>1-1/2° 3710'</u>		

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Drilling Contractor United Drilling, Inc.

By: George A. Aho  
George A. Aho

Title: Business Manager

Subscribed and sworn to before me this 16<sup>th</sup> day of May,  
2005.

Carlene Martin  
Notary Public

My Commission Expires: 10-8-08

Chaves New Mexico  
County State