

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

**N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Arlington, NM 88210**

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 _____

6. If Indian, Allottee or Tribe Name

2. Name of Operator

7. Unit or CA Agreement Name and No.

St. Mary Land & Exploration

PARKWAY DELAWARE UNIT

3. Address

580 Westlake Park Blvd Suite 600 Houston, Tx. 77079

3a. Phone No. (include area code)

(281) 677-2772

8. Lease Name and Well No.

PDU #512Y

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

At surface 2615' FSL, 1945' FWL UL:K

At top prod. interval reported below SAME

At total depth SAME

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JUN 22 2005

QOD-ARTEC

9. API Well No.

30-015-33998 S1

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

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

3308' GL

14. Date Spudded

4-17-05

15. Date T.D. Reached

4-28-05

16. Date Completed

☐ D&A

☒ Ready to Prod.

18. Total Depth: MD 4600

TVD 4600

19. Plug Back T.D.: MD 4450

TVD 4450

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 #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	398'		1. below		0	
12 1/4	9 5/8/J-55	36#	0	1528'		2. below		0	
8 1/2	7/J-55	36#	0	3222.59'		3. below		0	
6 1/2	4 1/2/J-55	10.5#	0	4585'		300 sx C		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)
		4103						

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Delaware "C"			4164-4190	.4	26	Open
B) Delaware "C"			4144-4164	.4	20	Open
C)						
D)						

26. Perforation Record

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Delaware "C"			4164-4190	.4	26	Open
B) Delaware "C"			4144-4164	.4	20	Open
C)						
D)						

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

Depth Interval	Amount and Type of Material
4144-4190	70 bbls 15% HCl, 55 bbls flush 2% KCl
	1. Lead-195 sx Class C; Tail-150 sx Class C circ to surface
	2. Lead-300 sx Class C; Tail- 200 sx Class C circ to surface
	3. Stage 1 - 150 sx 50-50-10 + 200 sx Class C
	Stage 2 - 75 sx 50-50-10 + 100 sx Class C

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
5-17-05	5-24-05	24	<input type="checkbox"/>	28	5	50			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	

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

JUN 20 2005

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

Interval C

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					
Delaware "A"	3917	4008		Delaware	3668
Delaware "B"	4008	4143			
Delaware "C"	4143	4250	Oil		

32. Additional remarks (include plugging procedure):

** Compensated Neutron Three Detector Litho Density and Hi-Res Laterolog - Micro - CFL/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 6-13-05

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 No. 512Y
LOCATION 2615' FSL & 9145' FWL, 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>1/4° 381'</u>	<u>1° 4435'</u>	
<u>1/2° 910'</u>		
<u>1-1/2° 1386'</u>		
<u>1° 1905'</u>		
<u>1-1/4° 2444'</u>		
<u>1-1/4° 2948'</u>		
<u>1-1/4° 3450'</u>		
<u>3/4° 3957'</u>		

RECEIVED
JUN 16 2005
DOB-ARTESIA

Drilling Contractor United Drilling, Inc.

By: George A. Aho

Title: Business Manager

Subscribed and sworn to before me this 4th day of May,
2005.

Carline Martin

Notary Public

My Commission Expires: 10-08-08

Chaves New Mexico
County State