

DATE IN <b>3-30-10</b>	SUSPENSE	ENGINEER <b>TW</b>	LOGGED IN <b>3-30-10</b>	TYPE <b>PMX</b>	APP NO. <b>1008954049</b>
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ABOVE THIS LINE FOR DIVISION USE ONLY

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2010 MAR 29 PM 1 23

**NEW MEXICO OIL CONSERVATION DIVISION**

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



St. Mary Land Exp

154903

PMX-256

**ADMINISTRATIVE APPLICATION CHECKLIST**

3 well

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]

[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]

[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]

[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]

[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]

[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

366

30-015-3371

30-015-33714

30-015-34128

206

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication

☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

X WFX ☒ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify \_\_\_\_\_

3918'-4406'

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] X Offset Operators, Leaseholders or Surface Owner

[C] X Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] X For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

306, 206, 513

R-9872  
842 PSI

3918'-980 PSI  
25

3918' 1200 PSI  
3062

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Ann E. Ritchie

Signature

Regulatory Agent

Title

3/19/10

Date

Print or Type Name

ann.wtor@gmail.com

e-mail Address

## APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: X Secondary Recovery          Pressure Maintenance          Disposal          Storage  
Application qualifies for administrative approval?     X     Yes          No
- II. OPERATOR: St. Mary Land & Exploration Co.  
ADDRESS: c/o P.O. Box 953, Midland, TX 79702  
CONTACT PARTY: Ann Ritchie, Regulatory Agent PHONE: 432/684-6381
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.  
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project?     X     Yes          No  
If yes, give the Division order number authorizing the project: R-9822 : WFX-685 ✓
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- \*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: Ann E. Ritchie TITLE: Regulatory Agent  
SIGNATURE: [Signature] DATE: 3/18/10  
E-MAIL ADDRESS: ann.wtor@gmail.com
- \* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal:

**DISTRIBUTION:** Original and one copy to Santa Fe with one copy to the appropriate District Office

### III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

### XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

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NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

## INJECTION WELL DATA SHEET

OPERATOR: St. Mary Land & Exploration Co.WELL NAME & NUMBER: Parkway Delaware Unit #206WELL LOCATION: 1000' FNL & 2452' FEL B 35 19S 29E  
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 17 1/2"Casing Size: 13 3/8" @ 398'Cemented with: 798 sx.or                      ft<sup>3</sup>Top of Cement:            Surface            Method Determined:            Circulated           Intermediate CasingHole Size: 12 1/4" Casing Size: 9 5/8" @ 1505'Cemented with: 591 sx. or                      ft<sup>3</sup>Top of Cement:            Surface            Method Determined:            Circulated           Production CasingHole Size: 8 3/4" Casing Size: 7" @ 3214'  
6 1/4" 4 1/2" @ 4595'Cemented with: 470 340 sx. or                      ft<sup>3</sup>Top of Cement:            Surface            Method Determined:            Circulated             
Surface CirculatedTotal Depth: 4600'Injection Interval4176 feet to 4214' Perf'd           

(Perforated or Open Hole; indicate which)



**INJECTION WELL DATA SHEET**

Tubing Size: 2 3/8" Lining Material: Plastic Coated

Type of Packer: Baker AD-1 Tension

Packer Setting Depth: 4150' +/-

Other Type of Tubing/Casing Seal (if applicable): \_\_\_\_\_

Additional Data

1. Is this a new well drilled for injection? \_\_\_\_\_ Yes X No

If no, for what purpose was the well originally drilled? Producer

2. Name of the Injection Formation: Delaware

3. Name of Field or Pool (if applicable): Parkway Delaware

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: N/A

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Oil Cons. Div-Dist. 2  
1301 W. and Avenue

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

5. Lease Serial No.  
NM 61582

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry Other Water Injection Well  
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 1000' FNL, 2452' FEL UL:B

At top prod. interval reported below SAME

At total depth SAME

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UUL-ANTECOM

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

PARKWAY DELAWARE UNIT NM 88491X

8. Lease Name and Well No.

PDU #206

9. API Well No.

30-015-34128 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)\*

3316' GL

14. Date Spudded

10-31-05

15. Date T.D. Reached

11-14-05

16. Date Completed

☐ D&A ☐ Ready to Prod.

18. Total Depth: MD 4600  
TVD 4600

19. Plug Back T.D.: MD 4512  
TVD 4512

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2	13 3/8/I-55	48#	0	398'		**			Ld not circ
12 1/4	9 5/8/H-40	32.2#	0	1505'		***			Circ
8 3/4	7/I-55	23#	0	3214'		****			Circ
6 1/4	4 1/2/I-55	10.5#	0	4595'		*****			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 3/8	4148'	3708'						

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Delaware "C"			4190-4214	.4	49	Open
B)			4176-4184	.4	9	
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
4176-4214	3200 gals 15% HCl; 100 bbls of flush 2% HCl
	**pumped w/250 sx Lead "C" 13.5ppg, Tail 150 sx "C" 14.8ppg
	topped w/390 sx "C" thru 1" in 5 stages circ 8 sx to sur

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
12-12-05	12-20-0	24	<input type="checkbox"/>	42	0	200			pump
Choke Size	Tbg. Press. Flwg. SI	Cag. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>					Producing	

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JAN 12 2006

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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"/>						

## 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.)

## 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
T/Delaware	3646	TD	"C" Zone 4128' Oil Pay	B/Salt Queen T/Delaware	1160' (+2168') 2598' (+730') 3646' (-318')

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

\*Hi-Res Laterolog Array Micro-CFL/GR; Three Detector Litho-Density Compensated Neutron/GR; Geology Composite Log FMI/GR

\*\*\*circ w/280 sx Lead 11.9ppg, Tail 200sx "C" 14.8ppg, circ 111sx to pit

\*\*\*\*cmt'd 1st stage 115sx Lead 11.9ppg Tail 150sx 14.8ppg all "C"; cmt'd 2nd stage 120sx Lead 11.8ppg Tail 75sx 14.8ppg all "C"; circ 10sx to surface

\*\*\*\*\*cmt'd w/200sx Lead & 100sx Tail 13.6ppg all "C", circ 40sx to pits

Time waiting on cement - 13 3/8" 11-1 to 11-3-05 54.5 hrs; 9 5/8" 11-6-05 12 hrs.

## 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 12-28-05

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.

## INJECTION WELL DATA SHEET

OPERATOR: St. Mary Land & Exploration Co.WELL NAME & NUMBER: Parkway Delaware Unit #306WELL LOCATION: 2090' FNL & 2430' FEL G 35 19S 29E  
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATA  
Surface CasingHole Size: 17 1/2" Casing Size: 13 3/8" @ 390' Cemented with: 370 sx. or  ft<sup>3</sup>Top of Cement: Surface Method Determined: Circulated Intermediate CasingHole Size: 12 1/4" Casing Size: 8 5/8" @ 3285' Cemented with: 1750 sx. or  ft<sup>3</sup>Top of Cement: Surface Method Determined: Circulated Production CasingHole Size: 7 7/8" Casing Size: 5 1/2" @ 4620' Cemented with: 600 sx. or  ft<sup>3</sup>Top of Cement: 800' Method Determined: Calculated Total Depth: 4620'Injection Interval4197 feet to 4228' Perf'd 

(Perforated or Open Hole; indicate which)

**INJECTION WELL DATA SHEET**Tubing Size: 2 3/8" Lining Material: Plastic CoatedType of Packer: Baker AD-1 TensionPacker Setting Depth: 4150' +/-Other Type of Tubing/Casing Seal (if applicable): **Additional Data**

1. Is this a new well drilled for injection?  Yes X No

If no, for what purpose was the well originally drilled? Producer

2. Name of the Injection Formation: Delaware

3. Name of Field or Pool (if applicable): Parkway Delaware

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: N/A

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
N.M. Oil Cons. DIV-Dist. 2  
1001 W. Grand Avenue  
Alameda, NM 88210

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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 #306

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

At surface 2090 FNL 2430 FEL UL:G

At sep prod. interval reported below SAME

At total depth SAME

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MAR 29 2005  
OCD-ADTECIN

9. API Well No.

30-015-33711 SI

10. Field and Pool, or Exploratory

PARKWAY DELAWARE UNIT

11. Sec., T., R., M., on Block and Survey  
or Area  
SEC 36-T19S-R29E

12. County or Parish

EDDY

13. State

NM

14. Date Spudded

11-17-04

15. Date T.D. Reached

12-4-04

16. Date Completed

☐ D&A ☒ Ready to Prod.

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

3329' GR

18. Total Depth: MD 4620'  
TVD

19. Plug Back T.D.: MD 4555'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

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

Three Detector-Litho-Density; Hi-Res Laterolog Array

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
17.5 30"	13 3/8"	48	0	390	390	370 sx			
12 1/4"	8 5/8"	32	0	328	328	1750 sx			
7 7/8"	5 1/2"	15 1/2	0	4620	4620	600 sx			

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"	4122	4248	4197-4211	.4	15	Open
B) Delaware "C"	4122	4248	4216-4228	.4	13	Open
C)						
D)						

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

Depth Interval	Amount and Type of Material
4197-4228	3000 gals 15% HCl

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
1-6-05	1-26-05	24	<input type="checkbox"/>	3	8	42			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"/>						

ACCEPTED FOR RECORD

MAR 25 2005

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## 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"/>						

## 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.)

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	3661				
Delaware "A"	3897	3985	Not Tested		
Delaware "B"	3985	4122	Not Tested		
Delaware "C"	4122	4248	Oil		

## 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. GermainTitle Production TechSignature Marcie St. GermainDate 3-22-04

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.

## INJECTION WELL DATA SHEET

OPERATOR: St. Mary Land & Exploration Co.WELL NAME & NUMBER: Parkway Delaware Unit #513WELL LOCATION: 1700' FSL & 2630' FEL J 35 19S 29E  
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATA  
Surface CasingHole Size: 17 1/2"Casing Size: 13 3/8" @ 403'Cemented with: 655 sx.or ft<sup>3</sup>Top of Cement: Surface Method Determined: CirculatedIntermediate CasingHole Size: 12 1/4" Casing Size: 9 5/8" @ 1535'Cemented with: 480 sx. or ft<sup>3</sup>Top of Cement: Surface Method Determined: CirculatedProduction CasingHole Size: 8 1/2" Casing Size: 7" @ 3195'  
6 1/2" @ 4600'Cemented with: 150 sx. or ft<sup>3</sup>  
250Top of Cement: Surface Method Determined: Circulated  
1900' CalculatedTotal Depth: 4600'Injection Interval4148 feet to 4198' Perf'd

(Perforated or Open Hole; indicate which)



**INJECTION WELL DATA SHEET**Tubing Size: 2 3/8" Lining Material: Plastic CoatedType of Packer: Baker AD-1 TensionPacker Setting Depth: 4103'

Other Type of Tubing/Casing Seal (if applicable): \_\_\_\_\_

Additional Data

1. Is this a new well drilled for injection? Yes X No

If no, for what purpose was the well originally drilled? Producer

2. Name of the Injection Formation: Delaware

3. Name of Field or Pool (if applicable): Parkway Delaware

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: N/A

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. DIV-Dist. 2  
1901 W. Grand Avenue  
Alameda, NM 88210

**WELL COMPLETION OR RECOMPLETION REPORT**

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 \_\_\_\_\_

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 #513

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

At surface 1700 FSL 2630 FEL ULJ

At top prod. interval reported below SAME

At total depth SAME

RECEIVED

JUN 03 2005

POD-ARTEMIA

9. API Well No.

30-015-33714 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)\*

3313' GL

14. Date Spudded

3-29-05

15. Date T.D. Reached

4-12-05

16. Date Completed

☐ D&A ☒ Ready to Prod.

18. Total Depth: MD 4718'  
TVD

19. Plug Back T.D.: MD 4673'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

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

Azimuthal Laterolog, Litho-Density Comp Neutron Log

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
17 1/2"	13 3/8"	42	0	403'		*		0	
12 1/4"	9 5/8"	36	0	1535'		**		0	
8 1/2"	7"	23	0	3195'		150 sx "C"		0	
6 1/2"	4 1/2"	10 1/2	0	4600'		250 sx "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)
2 3/8"		4103'						

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Delaware "C"			4148-4155	.4	8	Open
B) Delaware "C"			4159-4166	.4	8	Open
C) Delaware "C"			4192-4198	.4	13	Open
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
41489-4198	2500 gals 15% HCl
	* 450 sx Class C, 205 sx circ to surface
	** 280 50/50 + 200 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
	5-20-05	24	<input type="checkbox"/>	30	20	300			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"/>						

ACCEPTED FOR RECORD

JUN - 1 2005

ALEXIS C. SWOBODA  
PETROLEUM ENGINEER

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

- 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	Thg 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	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.)

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	3725			Delaware	3724
Delaware "A"	3917	4004	Not Tested	"	
Delaware "B"	4004	4147	Not Tested	"	
Delaware "C"	4147	4296	Oil	"	

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 5-23-04

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.

# WELLBORE DIAGRAM

## PARKWAY DELAWARE UNIT #206

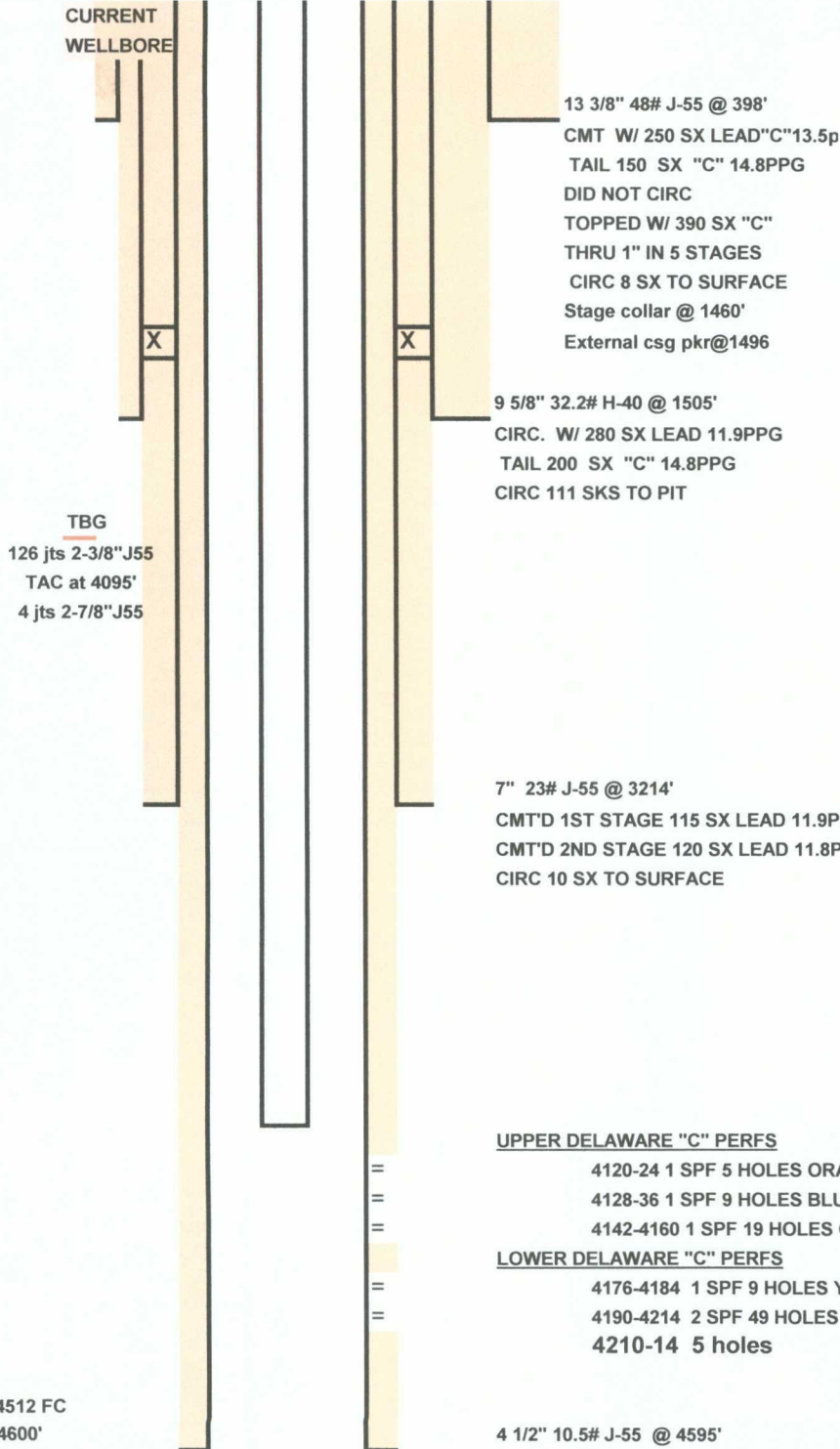
LEASE: PDU  
LOCATION: 1000' FNL & 2452' FEL  
FIELD: PARKWAY  
CURRENT STAT. CASD

WELL NO. 206  
SEC: 35 T: 19S R: 29E  
GL: 3316' CT/ST: EDDY,NM  
KB: 3328' DF: 3327'

API # : 30-015-34128  
SPUD: 10/31/05  
COMP: 11/15/2005  
INITIAL FORM:DELAWARE "C"

### WELL HISTORY

12/5/05 Run CBL, Perf 4190-4214' 2SPF  
Perf 4176-4184 1SPF  
12/6/05 Acidize w/3200g 15% HCl & Balls, poor ball action  
12/8/05 FRAC WITH 596 BBLS CLEAR FRAC 46950 # 16/30  
Brady 19.6 BPM @ 3986 psi  
12/9/05 Frac Log, treated 4164-4300'  
2/7/06 Perf 4120-4124, 4128-4136, 4142-4160 1SPF  
2/8/06 Acidize w/3000g 15% HCl  
2/21/06 FRAC WITH 570 BBLS CLEAR FRAC 36,320 # 16/30  
BRADY 14.7 BPM @ 3054 psi. No frac log run  
2/22/06 Washed sand from 4100 to isolation packer, retrieved  
9/1/06 Set RBP at 4170', cmt sqz perfs 4120-4160 w/250 sks  
9/5/06 Tag cmt at 3910', DO to 4160'. Pull RBP  
9/8/06 Tag cmt at 4176', DO to 4269', run to 4400'. Test 500psi  
9/11/06 Perf 4210-4214' 5 holes  
9/12/06 Set Pkr @ 4170' & acidize perfs w/3000g HCl-saw  
pressure on backside, perfs communicated  
1/22/07 Went down 100' no fill encountered.  
5/16/08 Located pin/collar leak @ 195'.  
9/19/08 Rod part in 3/4" pin & changed out 1 bad rod



### UPPER DELAWARE "C" PERFS

4120-24 1 SPF 5 HOLES ORANGE (LWR B)  
4128-36 1 SPF 9 HOLES BLUE Squeezed 9/1/06 w/250 sks  
4142-4160 1 SPF 19 HOLES GREEN

### LOWER DELAWARE "C" PERFS

4176-4184 1 SPF 9 HOLES YELLOW  
4190-4214 2 SPF 49 HOLES ORANGE  
4210-14 5 holes

PBD 4512 FC  
TD: 4600'

DATE:10/30/06  
PREPARED BY:  
EWS

4 1/2" 10.5# J-55 @ 4595'  
CMT'D W/ 200 SX LEAD & 100 SX TAIL 13.6 PPG ALL CLASS C  
CIRC 40 SX TO PITS

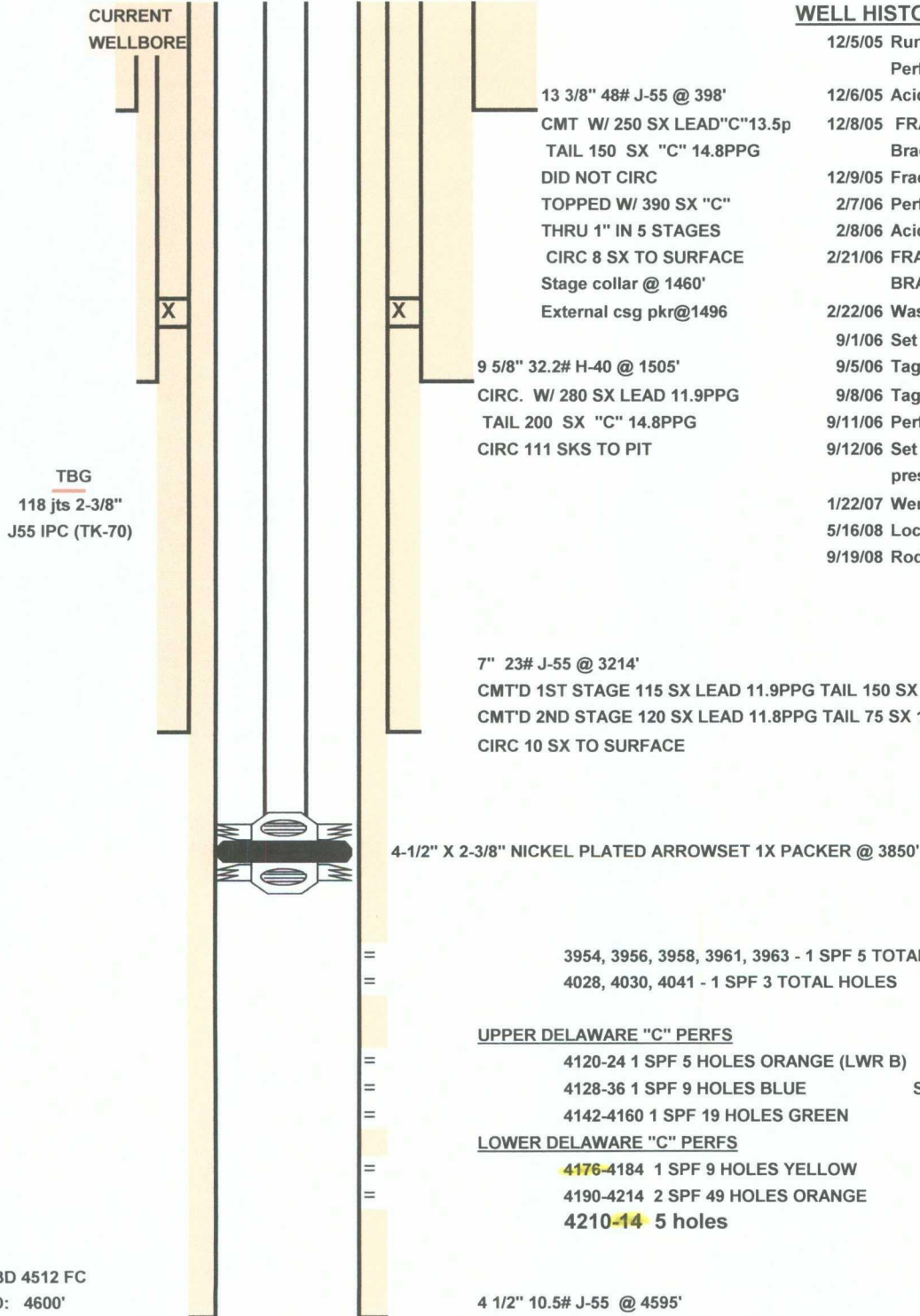
# PROPOSED WELLBORE DIAGRAM

## PARKWAY DELAWARE UNIT #206

LEASE: PDU  
 LOCATION: 1000' FNL & 2452' FEL  
 FIELD: PARKWAY  
 CURRENT STAT. CASD

WELL NO. 206  
 SEC: 35 T: 19S R: 29E  
 GL: 3316' CT/ST: EDDY,NM  
 KB: 3328' DF: 3327'

API # : 30-015-34128  
 SPUD: 10/31/05  
 COMP: 11/15/2005  
 INITIAL FORM:DELAWARE "C"



### WELL HISTORY

12/5/05 Run CBL, Perf 4190-4214' 2SPF  
 Perf 4176-4184 1SPF  
 12/6/05 Acidize w/3200g 15% HCl & Balls, poor ball action  
 12/8/05 FRAC WITH 596 BBLS CLEAR FRAC 46950 # 16/30  
 Brady 19.6 BPM @ 3986 psi  
 12/9/05 Frac Log, treated 4164-4300'  
 2/7/06 Perf 4120-4124, 4128-4136, 4142-4160 1SPF  
 2/8/06 Acidize w/3000g 15% HCl  
 2/21/06 FRAC WITH 570 BBLS CLEAR FRAC 36,320 # 16/30  
 BRADY 14.7 BPM @ 3054 psi. No frac log run  
 2/22/06 Washed sand from 4100 to isolation packer, retrieved  
 9/1/06 Set RBP at 4170', cmt sqz perfs 4120-4160 w/250 sks  
 9/5/06 Tag cmt at 3910', DO to 4160'. Pull RBP  
 9/8/06 Tag cmt at 4176', DO to 4269', run to 4400'. Test 500psi  
 9/11/06 Perf 4210-4214' 5 holes  
 9/12/06 Set Pkr @ 4170' & acidize perfs w/3000g HCl-saw  
 pressure on backside, perfs communicated  
 1/22/07 Went down 100' no fill encountered.  
 5/16/08 Located pin/collar leak @ 195'.  
 9/19/08 Rod part in 3/4\" pin & changed out 1 bad rod

3954-4214

PBD 4512 FC  
 TD: 4600'

DATE:10/30/06  
 PREPARED BY:  
 EWS

4 1/2\" 10.5# J-55 @ 4595'  
 CMT'D W/ 200 SX LEAD & 100 SX TAIL 13.6 PPG ALL CLASS C  
 CIRC 40 SX TO PITS

**CURRENT EQUIPMENT DESCRIPTION:****RECOMMENDED PROCEDURE:**

- 1) MIRU PU. ND WH NU BOP.
- 2) POOH w/rods & pump laying down. POH w/2-3/8" laying down production tbg.
- 3) PU 3-7/8" bit and DC's on 2-7/8" workstring to clean out to PBTD @ +/- 4500'. POH w/BHA laying down tbg.
- 4) RIH w/4-1/2" trtg pkr on prod tbg to 4100', set pkr . Acidize w/3500g 15% NEFE & 400 g Xylene. Flow/swab back load. Release pkr & POOH .
- 5) RU Wireline Company to perforate from 4041', 4030', 4028', 3963', 3961', 3958', 3956', 3954' (8 holes) w/3-1/8" .38 to .42" guns (at least 19g charges). RD Wireline company.
- 6) RIH w/4-1/2" RBP & pkr to 4100' . Set RBP and P/U 10'. Set pkr and test RBP to 2,000 psi. Release pkr and P/U to 3900'. Set pkr.
- 7) Frac down workstring as per attached procedure.
- 8) Release pkr, RIH to 4100'. Release RBP. POOH w/ RBP , pkr, and tubing.
- 5) RIH w/2-3/8" X 4-1/2" Arrowset 1X (Nickle Plated) Pkr w/2-3/8" OD pump out plug, 1.5" "F" profile nipple, 3-3/8" X 2-3/8" 8rd on/off skirt, and new 2-3/8" J-55 IPC (TK-70) tbg to 3850'. Hydrotest in hole to 6000#.
- 6) Load tbg and set pkr @ 3850'. Release on/off tool & circulate 4-1/2" x 2-3/8" annulus (0.0105 bbls/ft => 41 bbls) w/double inhibited packer fluid. Latch back into on/off tool.
- 7) ND BOP. NU injection wellhead. Test casing to 500# and chart for 30 min. Pressure up tbg and blow pump out plug.
- 8) Notify OCD and get MIT test.
- 9) Place well on injection.



# WELLBORE DIAGRAM PARKWAY DELAWARE UNIT # 306

LEASE: PDU  
LOCATION: 2090' FNL & 2430' FEL  
FIELD: PARKWAY  
STATUS: ACTIVE PRODUCER

WELL NO. 306  
UL: G SEC: 35 T: 19S R: 29E  
GL: 3313 CT/ST: EDDY,NM  
KB: 3325'

API # : 30-015-33711  
SPUD: 11/17/04  
COMP: 1/06/05  
INITIAL FORM:DELAWARE "C"

## WELL HISTORY

12/13/05 Run CBL; Perf "C" 4197-4211 1 SPF 4216-4228 1SPF'  
Acidize w/3000g 15%  
12/17/05 Frac "C" w/21841g & 26938#  
16/30 BRADY sand 1-4ppg  
avg 7.4 bpm @ 1572psi  
  
1/05 Producing ~8 BOPD + 42 BWPD  
INITIAL INTERVAL SEVERE CaSO4 scale  
3/1/2005 PUMPED CONVERSION AND ACID JOB  
3/3/2005 PRODUCING 8 BOPD&116 BWPD  
5/20/2005 PLUG BACK TO UPPER C. SET CIBP @ 4190'  
PERF UPR "C" 4125 - 38, 1 SPF 14 HOLES  
FRAC 25,550 # 16/30 BRADY@7.4 BPM  
6/14/2005 PKR @ 3985'. PUMP 1500 GAL 15% HCL IN 4125-38 PERFS.  
CAUGHT PSI W/ 24 BBLS PUMPED  
AVG RATE=6.6 BPM, AVG PSI = 1700. ISIP = 340, 5 MIN = VAC  
6/19/2005 PRODUCING 11 BOPD&8 BWPD  
7/8/2005 RE-FRAC 58000# 16/30 @14.1 BPM  
7/11/2005 TAG SAND @ 4175'. RAN FRAC TRACER LOG:  
TREATED F/ 4104-71 (85% IN ZONE)  
7/15/2005 STUCK PUMP. STRIP OUT. TAG FILL @ 4050.  
WASH DWN TO 4190  
7/25/2005 STUCK PUMP. STRIP OUT. TAG FILL @ 3940.  
WASH DWN TO 4190  
8/1/2005 STRIP OUT. TAG FILL @ 3561. PUMP 200 BBLS 2% KCL.  
NO CIRC. WASH TO 4190. CIRC 100 BBLS AROUND.  
9/9/2005 RE-FRAC - DETAILS????  
2/13/2006 ROD PART. PULL 15 7/8 RODS, BODY BREAK.  
4/26/2006 ROD PART 32ND 3/4 ROD OUT. BODY BREAK.

CURRENT  
WELLBORE

2 7/8" TBG

13 3/8" 48# H-40  
@ 395'  
CMT W/ 350 SX  
CIRC 20 SKS TO SURFACE

DV TOOL  
ECP @ 1663'

8 5/8" 32 & 24# J-55  
@ 3185'  
1st stage 500 SX  
2nd Stage 650 SX circ  
1" to Surf w/ 600SX  
From 635' in 2 stages

## DELAWARE PERFS

UPPER "C" PERFS 4125-4138 1 SPF (14 HOLES)  
LOWER "C" Zone: 4197 - 4211 [15 HOLES]  
4216 - 4228' [13 holes]

5 1/2" 15.5# J-55 @ 4627'  
CMT'D W/ 600 SX, CIRC. TO SURFACE

SN@+/- 4095

CIBP @4190

DATE:7/2005  
PREPARED BY:  
CMJ

PBTD: 4555' FC  
TD: 4627'

# PROPOSED WELLBORE DIAGRAM

## PARKWAY DELAWARE UNIT # 306

LEASE: PDU  
LOCATION: 2090' FNL & 2430' FEL  
FIELD: PARKWAY  
STATUS: ACTIVE PRODUCER

WELL NO. 306  
UL: G  
SEC: 35 T: 19S R: 29E  
GL: 3313 CT/ST: EDDY,NM  
KB: 3325'

API #: 30-015-33711  
SPUD: 11/17/04  
COMP: 1/06/05  
INITIAL FORM:DELAWARE "C"

### WELL HISTORY

12/13/05 Run CBL; Perf "C" 4197-4211 1 SPF 4216-4228 1SPF'  
Acidize w/3000g 15%  
12/17/05 Frac "C" w/21841g & 26938#  
16/30 BRADY sand 1-4ppg  
avg 7.4 bpm @ 1572psi  
  
1/05 Producing ~8 BOPD + 42 BWPD  
INITIAL INTERVAL SEVERE CaSO4 scale  
3/1/2005 PUMPED CONVERSION AND ACID JOB  
3/3/2005 PRODUCING 8 BOPD&116 BWPD  
5/20/2005 PLUG BACK TO UPPER C. SET CIBP @ 4190'  
PERF UPR "C" 4125 - 38, 1 SPF 14 HOLES  
FRAC 25,550 # 16/30 BRADY@7.4 BPM  
6/14/2005 PKR @ 3985'. PUMP 1500 GAL 15% HCL IN 4125-38 PERFS.  
CAUGHT PSI W/ 24 BBLS PUMPED  
AVG RATE=6.6 BPM, AVG PSI = 1700. ISIP = 340, 5 MIN = VAC  
6/19/2005 PRODUCING 11 BOPD&8 BWPD  
7/8/2005 RE-FRAC 58000# 16/30 @14.1 BPM  
7/11/2005 TAG SAND @ 4175'. RAN FRAC TRACER LOG:  
TREATED F/ 4104-71 (85% IN ZONE)  
7/15/2005 STUCK PUMP. STRIP OUT. TAG FILL @ 4050.  
WASH DWN TO 4190  
7/25/2005 STUCK PUMP. STRIP OUT. TAG FILL @ 3940.  
WASH DWN TO 4190  
8/1/2005 STRIP OUT. TAG FILL @ 3561. PUMP 200 BBLS 2% KCL.  
NO CIRC. WASH TO 4190. CIRC 100 BBLS AROUND.  
9/9/2005 RE-FRAC - DETAILS????  
2/13/2006 ROD PART. PULL 15 7/8 RODS, BODY BREAK.  
4/26/2006 ROD PART 32ND 3/4 ROD OUT. BODY BREAK.

CURRENT  
WELLBORE

13 3/8" 48# H-40  
@ 395'  
CMT W/ 370 SX  
CIRC 20 SKS TO SURFACE

DV  
ECP @ 1663'

8 5/8" 32 & 24# J-55  
@ 3185'  
1st stage 500 SX  
2nd Stage 650 SX circ  
1" to Surf w/ 600SX  
From 635' in 2 stages

5-1/2" X 2-3/8" NICKEL PLATED ARROWSET 1X PACKER @ 3820'

### DELAWARE PERFS

3924, 3939, 3946, 3960, 3976-3978 1 SPF (7 HOLES)

3992 - 3994, 4026 - 4028 1 SPF (6 HOLES)

UPPER "C" PERFS 4125-4138 1 SPF (14 HOLES)

LOWER "C" Zone: 4197-4211(15 HOLES)4216 - 4228' (13 holes)

5 1/2" 15.5# J-55 @ 4627'  
CMT'D W/ 600 SX CIRC.

2 7/8" TBG

CIBP @4190

DATE:7/2005  
PREPARED BY:  
CMJ

PBTD: 4555' FC  
TD: 4627'

3924' - 4228' ✓



**CURRENT EQUIPMENT DESCRIPTION:****RECOMMENDED PROCEDURE:**

- 1) MIRU PU. ND WH NU BOP.
- 2) POOH w/rods & pump laying down. POH w/2-7/8" laying down production tbg.
- 3) PU 4-3/4" bit and DC's on 2-7/8" workstring to clean out to PBTD @ +/- 4190'. POOH w/BHA. I
- 4) RIH w/5-1/2" trtg pkr on 2-7/8" workstring to 4100', set pkr . Acidize w/1500g 15% NEFE & 300 g Xylene. Flow/swab back load. Release pkr & POOH .
- 5) RU Wireline Company to perforate from 4026-4028, 3992-3994, 3976-3978, 3960, 3946, 3939, 3924 ( 13 holes) w/3-1/8" .38 to .42" guns (at least 19g charges). RD Wireline company.
- 6) RIH w/5-1/2" RBP & pkr to 4060' . Set RBP and P/U 10'. Set pkr and test RBP to 2,000 psi. Release pkr and P/U to 3870'. Set pkr.
- 7) Frac down workstring as per attached procedure.
- 8) Release pkr, RIH to 4060'. Release RBP. POOH w/ RBP , pkr, and tubing.
- 5) RIH w/2-3/8" X 5-1/2" Arrowset 1X (Nickel Plated) Pkr w/2-3/8" OD pump out plug, 1.5" "F" profile nipple, 3-3/8" X 2-7/8" 8rd on/off skirt, and new 2-7/8" J-55 IPC (TK-70) tbg to 3820'. Hydrotest in hole to 6000#.
- 6) Load tbg and set pkr @ 3820'. Release on/off tool & circulate 5-1/2" x 2-7/8" annulus (0.016bbbls/ft => 62 bbls) w/double inhibited packer fluid. Latch back into on/off tool.
- 7) ND BOP. NU injection wellhead. Test casing to 500# and chart for 30 min. Pressure up tbg and blow pump out plug.
- 8) Notify OCD and get MIT test.
- 9) Place well on injection.

**WELLBORE DIAGRAM**  
**PARKWAY DELAWARE UNIT #513**

LEASE: PDU  
LOCATION: 1700' FSL & 2630' FEL  
FIELD: PARKWAY  
CURRENT STAT. CASED

WELL NO. 513  
UL: K  
SEC: 35 T: 19S R: 29E  
GL: 3313' CT/ST: EDDY,NM  
KB: 3327' DF: 3326'

API # : 30-015-33714  
SPUD: 3/29/05  
COMP: 5/2005  
INITIAL FORM: DELAWARE "C"

**WELL HISTORY**

4/26/05 - Break down perfs w/2500g 15% HCL

Dropping 1.3 sg balls. Balled out.

4/29/05 - RU Schlumberger to frac. Frac down tbg

Frac w/total of 396 bbl fluid and 25,440#

16/30 Brady Sand. ISIP=665#, 5 min=584#

10 min=557#, 15 min=517#

Ran tracers-Frac went mainly in middle perfs and bottom set. 8 swab runs, FL staying @ 700' FS.

6/30/05 5th 3/4" rod down, pin broke.

8/22/05 4 rods out, box parted. Install new box.

1/26/2006 4 rods out, box parted. Install new box.

Checked all boxes, OK. No fill tagged.

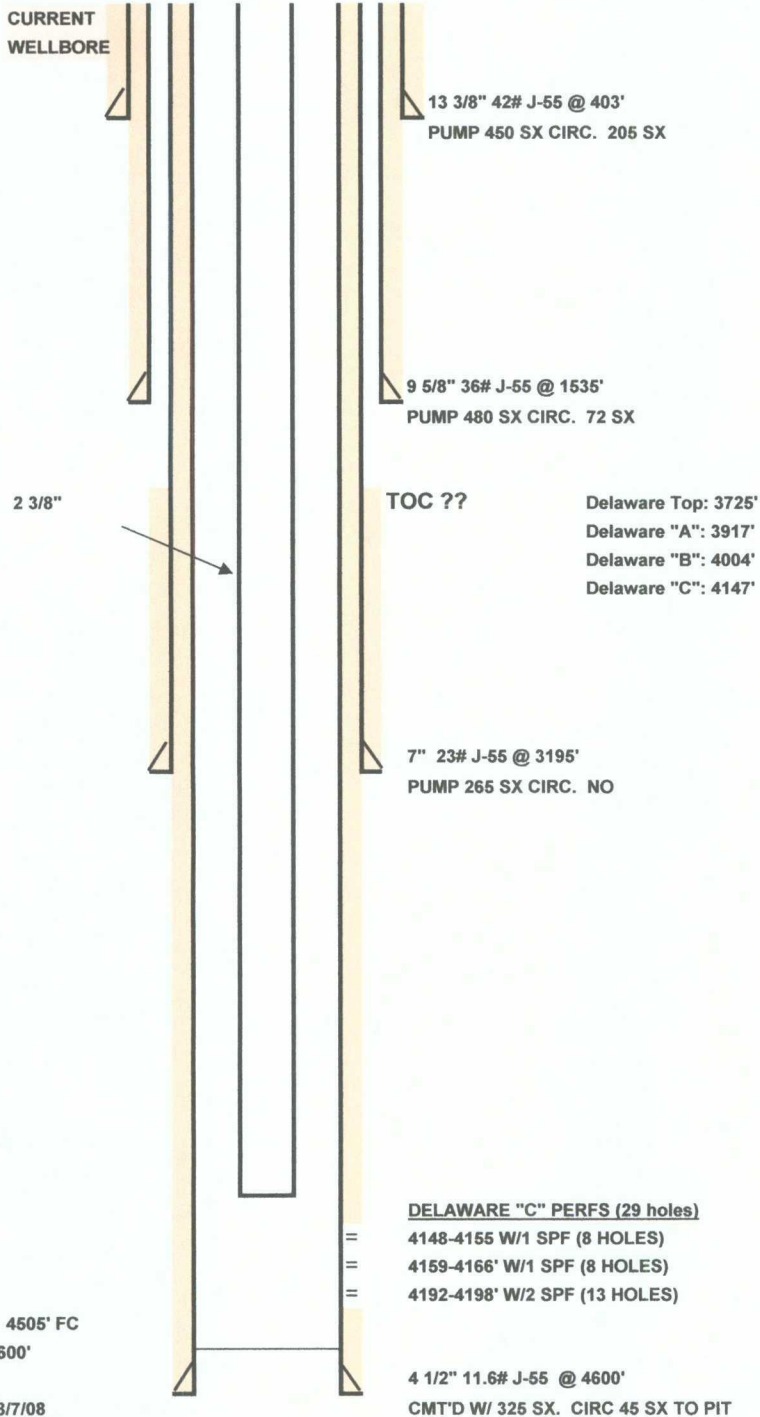
3/24/2006 17 rods out, box parted.

7/14/2006 25 rods out, box parted. Check all boxes, OK.

9/19/2006 L/D top jt of tbg due to HIT. Rest of tbg OK.

11/20/2006 Pull pump for repairs. Hydrotest 130 jts tbg to 5000#.

HIT in top jt. Replaced with IPC joint.



PBTD: 4505' FC  
TD: 4600'

DATE: 8/7/08  
PREPARED BY: BHH

**PROPOSED WELLBORE DIAGRAM**  
**PARKWAY DELAWARE UNIT #513**

LEASE: PDU

LOCATION: 1700' FSL & 2630' FEL

FIELD: PARKWAY

CURRENT STAT. CASED

UL: K

WELL NO. 513

SEC: 35 T: 19S R: 29E

GL: 3313' CT/ST: EDDY,NM

KB: 3327' DF: 3326'

API # : 30-015-33714

SPUD: 3/29/05

COMP: 5/2005

INITIAL FORM: DELAWARE "C"

**WELL HISTORY**

4/26/05 - Break down perfs w/2500g 15% HCL

Dropping 1.3 sg balls. Balled out.

4/29/05 - RU Schlumberger to frac. Frac down tbg

Frac w/total of 396 bbl fluid and 25,440#

16/30 Brady Sand. ISIP=665#, 5 min=584#

10 min=557#, 15 min=517#

Ran tracers-Frac went mainly in middle perfs and bottom set. 8 swab runs, FL staying @ 700' FS.

6/30/05 5th 3/4" rod down, pin broke.

8/22/05 4 rods out, box parted. Install new box.

1/26/2006 4 rods out, box parted. Install new box.

Checked all boxes, OK. No fill tagged.

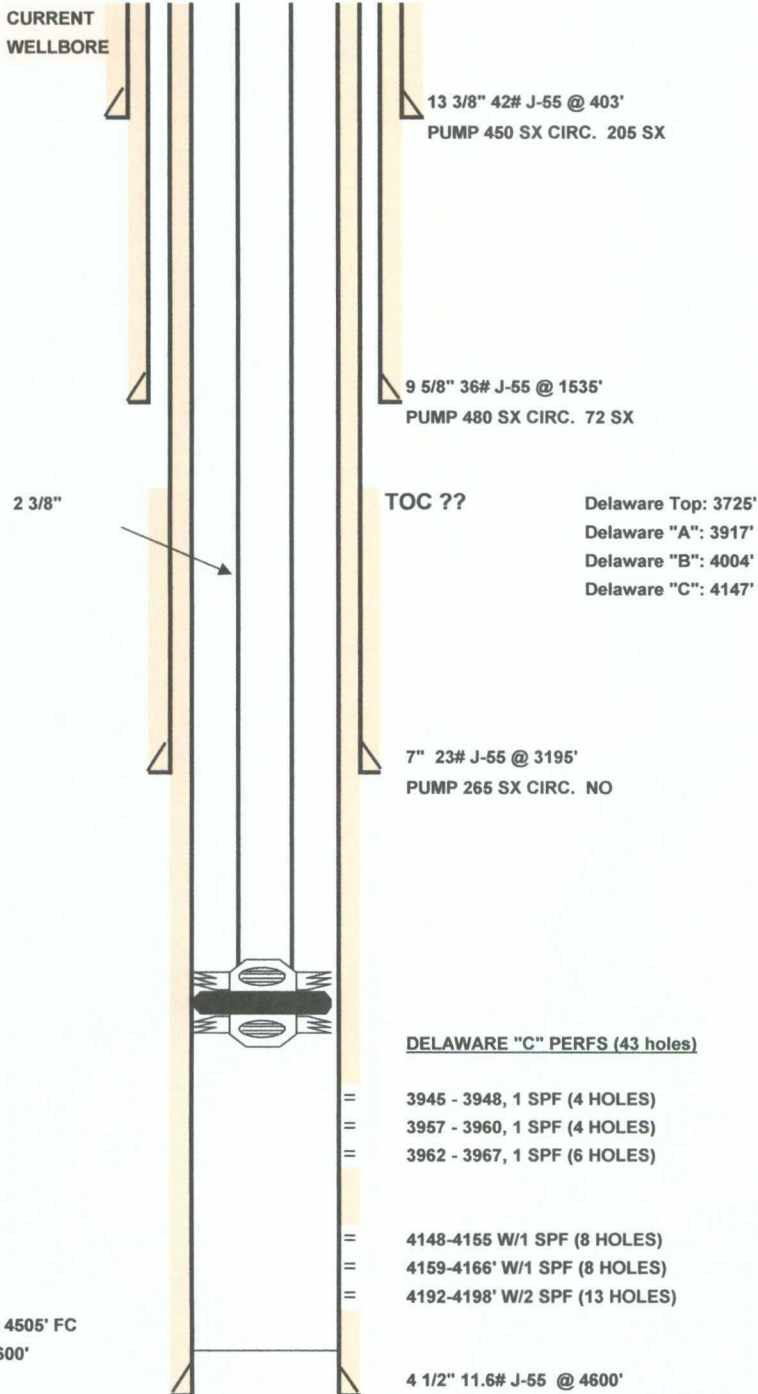
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HIT in top jt. Replaced with IPC joint.



PBTD: 4505' FC

TD: 4600'

DATE: 8/7/08

PREPARED BY: BHH

**DELAWARE "C" PERFS (43 holes)**

= 3945 - 3948, 1 SPF (4 HOLES)

= 3957 - 3960, 1 SPF (4 HOLES)

= 3962 - 3967, 1 SPF (6 HOLES)

= 4148-4155 W/1 SPF (8 HOLES)

= 4159-4166' W/1 SPF (8 HOLES)

= 4192-4198' W/2 SPF (13 HOLES)

4 1/2" 11.6# J-55 @ 4600'

CMT'D W/ 325 SX. CIRC 45 SX TO PIT

3945 - 4198

**CURRENT EQUIPMENT DESCRIPTION:****RECOMMENDED PROCEDURE:**

- 1) MIRU PU. ND WH NU BOP.
- 2) POOH w/rods & pump laying down. POH w/2-3/8" laying down production tbg.
- 3) PU 3-7/8" bit and DC's on 2-7/8" workstring to clean out to PBTD @ +/- 4505'. POOH w/tbg and BHA.
- 4) RIH w/4-1/2" trtg pkr on 2-7/8" tbg to 4110', set pkr . Acidize w/2000g 15% NEFE & 400 g Xylene.  
Flow/swab back load. Release pkr & POOH .
- 5) RU Wireline Company to perforate from 3962-3967, 3957-3960, 3945-3948 (14 holes) w/3-1/8" .38 to .42" guns (at least 19g charges). RD Wireline company.
- 6) RIH w/4-1/2" RBP & pkr to 4000' . Set RBP and P/U 10'. Set pkr and test RBP to 2,000 psi. Release pkr and P/U to 3900'. Set pkr.
- 7) Frac down workstring as per attached procedure.
- 8) Release pkr, RIH to 4000'. Release RBP. POOH w/ RBP , pkr, and tubing.
- 5) RIH w/2-3/8" X 4-1/2" Arrowset 1X (Nickle Plated) Pkr w/2-3/8" OD pump out plug, 1.5" "F" profile nipple, 3-3/8" X 2-3/8" 8rd on/off skirt, and new 2-3/8" J-55 IPC (TK-70) tbg to 3850'. Hydrotest in hole to 6000#.
- 6) Load tbg and set pkr @ 3850'. Release on/off tool & circulate 4-1/2" x 2-3/8" annulus (0.0105 bbls/ft => 41 bbls) w/double inhibited packer fluid. Latch back into on/off tool.
- 7) ND BOP. NU injection wellhead. Test casing to 500# and chart for 30 min. Pressure up tbg and blow pump out plug.
- 8) Notify OCD and get MIT test.
- 9) Place well on injection.

# Affidavit of Publication

NO.

21054

STATE OF NEW MEXICO

County of Eddy:

GARY D. SCOTT

being duly

sworn, says: That he is the

PUBLISHER

of The

Artesia Daily Press, a daily newspaper of general  
circulation, published in English at Artesia, said county  
and county and state, and that the here to attached

## Legal Notice

was published in a regular and entire issue of the said  
Artesia Daily Press, a daily newspaper duly qualified  
for that purpose within the meaning of Chapter 167 of  
the 1937 Session Laws of the state of New Mexico for

1 Consecutive week/days on the same

day as follows:

First Publication

March 10, 2010

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Subscribed and sworn to before me this

10 Day

March

2010



OFFICIAL SEAL

Jo Morgan

NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 6/26/2012

Jo Morgan

Notary Public, Eddy County, New Mexico

# Copy of Publication:

NOTICE OF INJECTION APPLICATION Well #304-1485' FNL & 1485' FEL of Sec. 35, T19S, R29E  
St. Mary Land & Exploration Co., c/o P.O. Box 953, Midland, TX 79702 will file the Well #505-1980' FSL & 760' FWL of Sec. 35, T19S, R29E  
New Mexico Conservation Division Form C-108 Well #506-2635' FSL & 2640' FEL of Sec. 35, T19S, R29E  
Application for Authorization to Inject with the NMOCD Well #507-2628' FSL & 1485' FEL of Sec. 35, T19S, R29E  
seeking administrative approval for an amendment to add perforations to the Well #513-1700' FSL & 2630' FEL of Sec. 35, T19S, R29E  
existing water injection R-9822' and add additional Well #601-330' FNL & 1650' FEL of Sec. 2, T20S, R29E  
injection wells in the Parkway Delaware Unit for the following wells/locations in Eddy County, NM: Well #703-2610' FSL & 430' FEL of Sec. 35, T19S, R29E  
Well #204-990' FNL & 940' FWL of Sec. 35, T19S, R29E Well #704-1450' FSL & 330' FEL of Sec. 35, T19S, R29E  
Well #206-1000' FNL & 2452' FEL of Sec. 35, T19S, R29E Well #707-1980' FSL & 430' FEL of Sec. 35, T19S, R29E  
Well #207-995' FNL & 1461' FEL of Sec. 35, T19S, R29E The proposed injection interval is from 3918' - 4406'. The proposed maximum surface pressure is 1200 psi, with maximum injection rate of 1500 bbls water per day per well. The injection water will be sourced from the Delaware formation at approximately 4000' produced water from the Parkway Delaware Unit.  
Well #302-2230' FNL & 760' FWL of Sec. 35, T19S, R29E  
Well #303-1420' FNL & 2500' FWL of Sec. 35, T19S, R29E  
All interested parties opposing the application must file objection with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe NM 87505 within 15 days of this notice. Additional information can be obtained by contacting Ann Ritchie, Regulatory Agent, St. Mary Land & Exploration Co., c/o P.O. Box 953, Midland, TX 79702, (432) 684-6381.  
Published in the Artesia Daily Press, Artesia, NM March 10, 2010.  
Legal No. 21054

NO 306

## Publication

NO.

21072

## Copy of Publication:

STATE OF NEW MEXICO

County of Eddy:

**GARY D. SCOTT**

being duly

sworn, says: That he is the PUBLISHER of The

Artesia Daily Press, a daily newspaper of general

circulation, published in English at Artesia, said county

and county and state, and that the here to attached

**Legal Notice**

was published in a regular and entire issue of the said

Artesia Daily Press, a daily newspaper duly qualified

for that purpose within the meaning of Chapter 167 of

the 1937 Session Laws of the state of New Mexico for

1 Consecutive week/days on the same

day as follows:

First Publication March 21, 2010

Second Publication \_\_\_\_\_

Third Publication \_\_\_\_\_

Fourth Publication \_\_\_\_\_

Fifth Publication \_\_\_\_\_

Subscribed and sworn to before me this

21 Day

March

2010



OFFICIAL SEAL

Jo Morgan

NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 2/26/2012

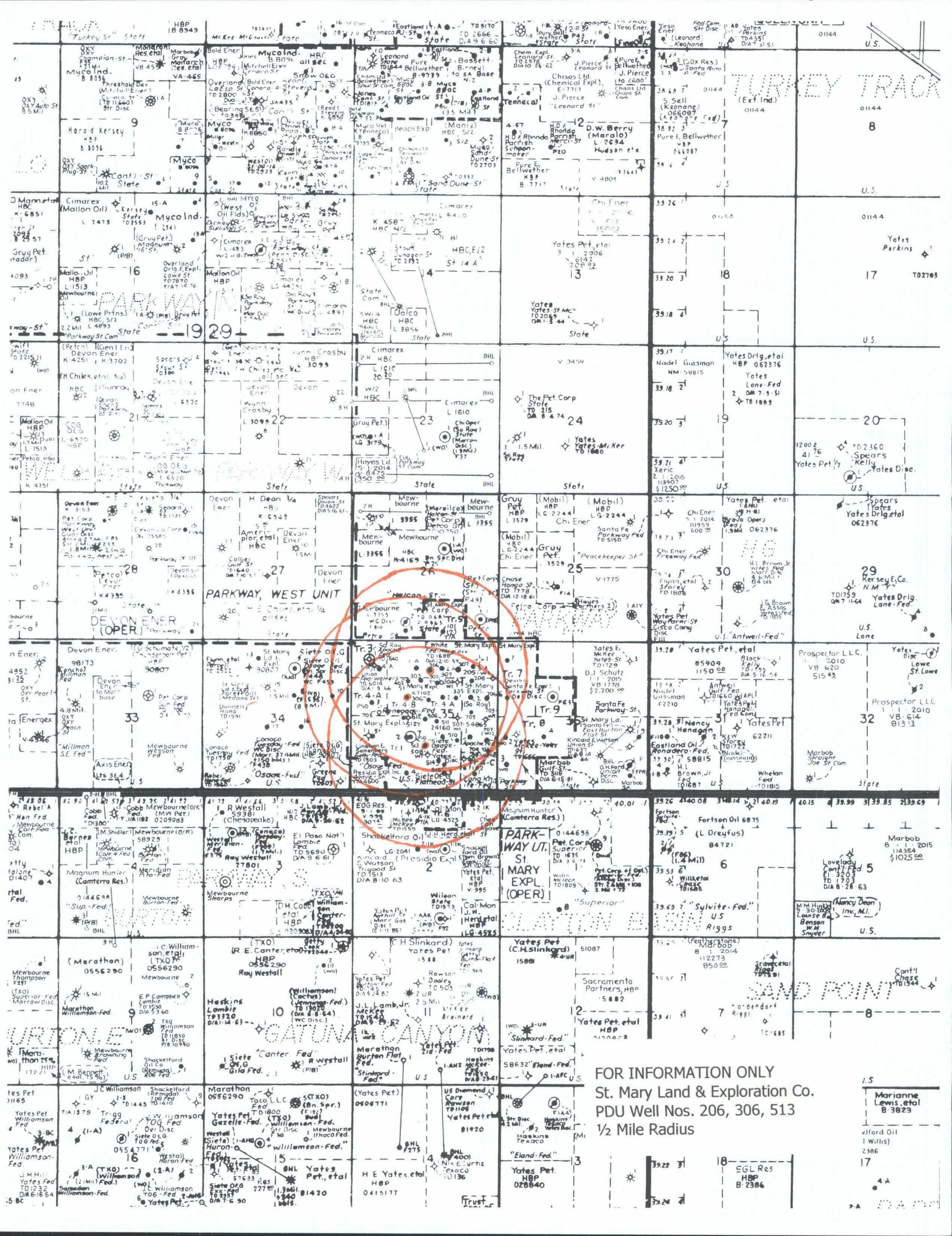
Jo Morgan

Notary Public, Eddy County, New Mexico

**NOTICE OF INJECTION APPLICATION**

St. Mary Land & Exploration Co., c/o P.O. Box 953, Midland, TX 79702 will file the New Mexico Oil Conservation Division Form C-108, Application for Authorization to Inject, with the NMOCOD seeking administrative approval for waterflood injection expansion into their Parkway Delaware Unit, Well #308, located 2090' ENL & 2430' FEL of Sec 35, T19S, R28E, Eddy County, NM. The proposed injection interval is from 3918-4406'. The proposed maximum surface pressure is 980 psi, with a maximum injection rate of 1500 bbls water per day. The injection water will be sourced from area Delaware formation water at approximately 4000' from their Parkway Delaware Unit. All interested parties opposing the application must file objection with the New Mexico Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, NM 87505 within 15 days of this notice. Additional information can be obtained by contacting Ann Ritchie, Regulatory Agent, St. Mary Land & Exploration Co., c/o P.O. Box 953, Midland, TX 79702, (432) 684-6381. Published in the Artesia Daily Press, Artesia, NM March 21, 2010. Legal No. 21072





ST. MARY LAND & EXPLORATION COMPANY  
PARKWAY DELAWARE UNIT #206  
EXPANSION OF EXISTING INJECTION PROJECT, FORM C-108

OPERATORS WITHIN ONE HALF MILE RADIUS

1. YATES PETROLEUM Co	105 S 4 <sup>TH</sup> St	ARTESIA, NM 88210
2. CHEVRON (FORMERLY UNION Oil)	11111 S WILCREST	HOUSTON, TX 77099
3. ST. MARY LAND & EXPLORATION Co	3300 N "A" St BLDG 7 STE 200	MIDLAND, TX 79705
4. MEWBOURNE Oil Co	PO Box 5270	HOBBS, NM 88241

A COPY OF THE OCD FORM C-108 DATA SHEET & MAP HAVE BEEN SENT BY CERTIFIED MAIL TO THE ABOVE PARTIES ON MARCH 19, 2010.

ANN E. RITCHIE, REGULATORY AGENT

ST. MARY LAND & EXPLORATION Co.  
3300 N "A" St, BLDG 7, SUITE 200  
MIDLAND, TX 79705



ST. MARY LAND & EXPLORATION COMPANY  
PARKWAY DELAWARE UNIT #306  
EXPANSION OF EXISTING INJECTION PROJECT, FORM C-108

OPERATORS WITHIN ONE HALF MILE RADIUS

- |                                   |                              |                   |
|-----------------------------------|------------------------------|-------------------|
| 1. CHEVRON (FORMERLY UNION OIL)   | 11111 S WILCREST             | HOUSTON, TX 77099 |
| 2. ST. MARY LAND & EXPLORATION CO | 3300 N "A" St Bldg 7 STE 200 | MIDLAND, TX 79705 |
| 3. MEWBOURNE OIL Co               | PO Box 5270                  | HOBBS, NM 88241   |

A COPY OF THE OCD FORM C-108 DATA SHEET & MAP HAVE BEEN SENT BY CERTIFIED MAIL TO THE ABOVE PARTIES ON MARCH 19, 2010.

ANN E. RITCHIE, REGULATORY AGENT

ST. MARY LAND & EXPLORATION CO.  
3300 N "A" St, Bldg 7, Suite 200  
MIDLAND, TX 79705

ST. MARY LAND & EXPLORATION COMPANY  
PARKWAY DELAWARE UNIT #513  
EXPANSION OF EXISTING INJECTION PROJECT, FORM C-108

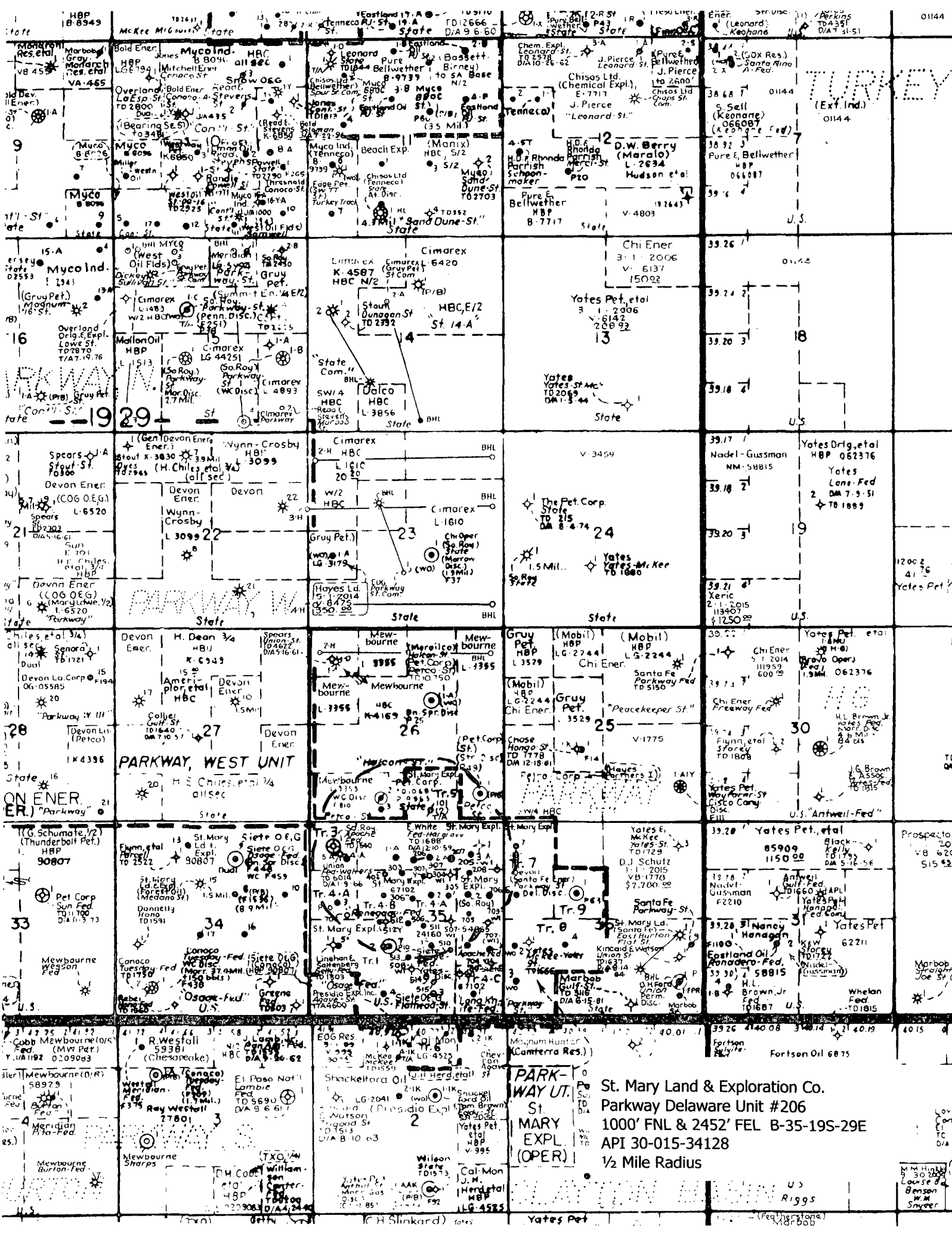
OPERATORS WITHIN ONE HALF MILE RADIUS

1. ST. MARY LAND & EXPLORATION Co	3300 N"A" St Bldg 7 Ste 200	MIDLAND, TX 79705
2. SANTA FE ENERGY OPERATING PARTNERS LP	1616 S VOSS STE 600	HOUSTON, TX 77057
3. CHEVRON (FORMERLY TENNECO & UNION OIL)	11111 S WILCREST	HOUSTON, TX 77099
4. PIERCE PRODUCTION Co LLC	PO Box 1969	EUNICE, NM 88231
5. ROBINSON OIL INC	PO Box 1829	EUNICE, NM 88231
6. BEACH EXPLORATION INC	800 N MARIENFELD STE 200	MIDLAND, TX 79701
7. YATES PETROLEUM Co	105 4 <sup>TH</sup> St	ARTESIA, NM 88210

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ANN E. RITCHIE, REGULATORY AGENT

ST. MARY LAND & EXPLORATION Co.  
3300 N"A" St, Bldg 7, Suite 200  
MIDLAND, TX 79705



**TURKEY**  
(Ext. Ind.)  
01144

**PARKWAY WEST UNIT**

**PARKWAY WEST UNIT**

**PARKWAY UT.**  
St. Mary  
EXPL.  
(OPER)

St. Mary Land & Exploration Co.  
Parkway Delaware Unit #206  
1000' FNL & 2452' FEL B-35-19S-29E  
API 30-015-34128  
1/2 Mile Radius

MM Hink  
30-015-34128  
Louise  
Benson  
W.H.  
Snyder

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO 1004-0137  
Expires July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

S

5 Lease Serial No

NM-103602

6 If Indian, Allottee or Tribe Name

7 Unit or CA Agreement Name and No

8. Lease Name and Well No

Sober BEZ Federal #1

9 API Well No.

30-015-34334

10. Field and Pool or Exploratory

Golden Lane; Atoka

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

Section 35-T20S-R29E

12 County or Parish 13 State

Eddy

New Mexico

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

3318'GL 3336'KB

1a Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other DHC-3812b Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Diff. Resvr.

Other: RECOMPLETION

2 Name of Operator

Yates Petroleum Corporation

3 Address

105 S. 4th Str., Artesia, NM 88210

3a Phone No (include area code)

575-748-1471

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

At Surface 1980'FSL &amp; 1980'FEL (Unit J, NWSE)

At top prod. interval reported below

At total depth

14 Date Spudded

RC 5/4/08

15 Date T.D. Reached

12/7/05

16 Date Completed

5/18/08

☐ D & A☒ Ready to Prod

18 Total Depth: MD 12,500'

TVD NA

19 Plug Back T.D. MD 12,220'

TVD NA

20. Depth Bridge Plug Set MD 12,220'

TVD NA

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

None for recompletion

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)	State Cementer Depth	No. of Sks & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled

REFER TO ORIGINAL COMPLETION

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"	11,500'	11,500'						

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Atoka	11,730'	11,856'	11,730'-11,734'		35	Producing
B)			11,782'-11,796'		85	Producing
C)			11,850'-11,856'		37	Producing
D)						

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

Depth Interval	Amount and Type of Material
11,730'-11,856'	Acidize w/1500g 7-1/2% IC HCL with 2000 SCF/PB N2

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
5/19/08	5/23/08	24	→	0	51	0	NA	NA	Flowing
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
NA	NA	Packer	→	0	51	0	NA	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
			→						
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

\*(See instructions and spaces for additional data on page 2)

## 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
Choke Size	Tbg Press Flwg	Csg Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

## 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
Choke Size	Tbg Press Flwg	Csg Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

## 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

Recoveries:					
Formation	Top	Bottom	Description, Contents, etc.	Name	Top
					Meas Depth
				REFER TO ORIGINAL COMPLETION	

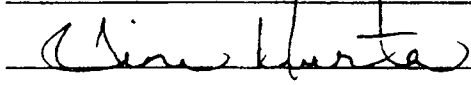
## 32. Additional remarks (include plugging procedure)

## 33 Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd )
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey  
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other Deviation Survey

## 34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

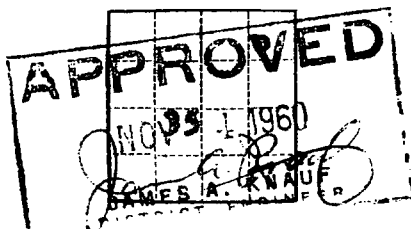
Name (please print) Tina Huerta Title Regulatory Compliance Supervisor

Signature  Date May 30, 2008

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

(Continued on page 3)

(Form 3160-4, page2)



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **New Mexico**Lease No. **NM-01523**Unit **RECEIVED**

NOV 23 1960

SUNDRY NOTICES AND REPORTS ON WELLS **N. O. C.**

ARTESIA, OFFICE

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	<b>X</b>
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 10, 1959

## WHITE NO. 1 FEDERAL HARGRAVE

Well No. **1** is located **660** ft. from **[N]** line and **660** ft. from **[E]** line of sec. **35**

**6-NE-1/4 Sec. 35, 19 S., 29 E., N.M.P.M.**  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

**Walden** **Eliz** **New Mexico**  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface~~ **ground level** above sea level is **3325** ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Top of Seven Rivers by log is 1657' Encountered strong flow of sulphur water at 1650 which increased to TD of 1688. Fill up in 8" hole was 1100' in five hours. Could not lower water level with bailer.

Well plugged and abandoned 12-10-59. Cement plug 1638' to 1688'; Mudded 1220' to 1636'; Cement plug 1170' to 1220'; Mudded 450' to 1170'; Cement plug 400' to 450'; Mudded 220' to 400'; Cement 220' plug 125' to 220', Mudded to surface and 5' marker cemented.

December 11, 1959 - Moving out rig.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Emmett D. White**Address **Emmett D. White****Box 146****Roswell, New Mexico**

By \_\_\_\_\_

Title \_\_\_\_\_

Date **December 12, 1959** Title **7**

The summary on this page is for the condition of the well at above date.

Commenced drilling **11-24-59** Finished drilling **12-9-59**, 19

### OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **NONE** to **NONE** No. 2, from **NONE** to **NONE**

No. 3, from **100 to 102** to **1004** No. 4, from **1004** to **1004**

No. 5, from **1004** to **1004** No. 6, from **1004** to **1004**

### IMPORTANT WATER SANDS

No. 1, from **155** to **160** No. 3, from **1650** to **1688 (TD)**

No. 2, from **140** to **195** No. 4, from **195** to **195**

### CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<b>8-5/8</b>	<b>282</b>	<b>3</b>	<b>382</b>	<b>382</b>	<b>382</b>	<b>382</b>			
<b>HISTORIA OF OIL OR GAS WELL</b>									

### MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<b>8-5/8</b>	<b>382</b>	<b>Mudded and all recovered when well was plugged.</b>			

### PLUGS AND ADAPTERS

Heaving plug—Material **NONE** Length \_\_\_\_\_ Depth set \_\_\_\_\_

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

### SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
	<b>NONE</b>					

### TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from **surface** feet to **1688** feet to \_\_\_\_\_ feet

**DATES**

Put to producing **12-10-59**, 19

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_ % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

### EMPLOYEES

**J. D. Hammond**, Driller **Contractor - Roach Drilling Co.**

**L. Bowen**, Driller **Artesia, New Mexico**

**A. N. Lowrey**, Driller

### FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<b>0</b>	<b>100</b>	<b>100</b>	<b>Sandy gravel</b>
<b>100</b>	<b>145</b>	<b>45</b>	<b>Red beds and sand</b>
<b>145</b>	<b>145</b>	<b>0</b>	





Copy sent to  
P. O. Box 187  
Artesia, New Mexico

March 7, 1956

Union Oil Company of California  
619 West Texas Avenue  
Midland, Texas

Re: Oil and Gas Lease  
NM 01523-A

Gentlemen:

Your "Subsequent Report of Abandonment" dated January 1956, covering your well No. 1-35 Welter located in the NW1/4, section 35, T. 19 S., R. 29 E., Wildcat Area, Eddy County, New Mexico, is hereby approved.

Very truly yours,

John A. Frost  
District Engineer

JAF:mm

Inspected by John A. Frost  
February 29, 1956

Pd H

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office

Lease No. 8-1-1283-4

Unit

2			

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January, 1956

Well No. 1-35 is located 660 ft. from [N] line and 660 ft. from [W] line of sec. 35W. 1/4 of Section 35  
(1/4 Sec. and Sec. No.)T. 12-N  
(Twp.)R. 23-E  
(Range)S. 12-N  
(Meridian)Wilcox  
(Field)Wilcox  
(County or Subdivision)New Mexico  
(State or Territory)The elevation of the derrick floor above sea level is 3329 ft. (D.F.)

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

4455-4645  
Spotted 25 cu. cement plug 1130-1260'. Shot off 3-1/2" casing at 3000' and  
reworked 3000' to 3-1/2" casing.  
Spotted 25 cu. cement plugs at 3000-3050' and 1130-1260' and 150 cu. cement  
from surface to 300'. 500' 3205-3255 1130-1260  
The well was plugged and abandoned January 10, 1956, and cemented with a 4" O.D.  
plug of pipe rising vertically 6" above ground level.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Union Oil Company of CaliforniaAddress 610 West Tenth AvenueMidland, Texas

By

R. W. YarnallTitle Assistant Division Engineer

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office \_\_\_\_\_

Lease No. U.S. 02523-1

Unit \_\_\_\_\_

X			

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	X
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	X
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January, 19 56

Federal Well

Well No. 1 - 35 is located 660 ft. from N line and 660 ft. from W line of sec. 35

15/6 of Section 35  
(1/4 Sec. and Sec. No.)

T-19-S  
(Twp.)

R-29-E  
(Range)

U.S.P.M.  
(Meridian)

Willcox  
(Field)

Maricopa  
(County or Subdivision)

Arizona  
(State or Territory)

The elevation of the derrick floor above sea level is 3100 ft. (D.F.)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Drilled 7-7/8" hole to 6010'. Run induction, electric survey, gamma ray and wire logs. Run D.S.T. 4611-4620' and recovered 150' slightly oil and gas-cut mud. Run Schlumberger sidetrack curves as follows: 8 from 4616-4620' and 4 from 4620-4626'.

Run and cemented 5-1/2" O.D., 15.2#, 3-75, cas. into ann. at 4720.33' with 100 sacks 4 1/2 gal cement plus 100 cu. feet of Strata-Crete.

Waited on cement 24 hours. Released pressure and rigged up and tested ann. with 1000# for 30 minutes. O.K.

Perf. 4620-4626' with 4 inches per foot and sand-frased with 10,000 gallons of grade oil and 11,000# sand. Testing.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company WIDE OIL COMPANY OF CALIFORNIA

Address 619 West Tenth Avenue

Midland, Texas

By R.W. Harrison

Title Asst. Division Engineer

so far as can be determined from all available records.

Signed

*R. W. Yarbrough*  
Title **Asst. Division Engineer**

Date **January 12, 1936**

The summary on this page is for the condition of the well at above date.

Commenced drilling **November 21**, 19**35** Finished drilling **December 27**, 19**35**

### OIL OR GAS SANDS OR ZONES

No. 1, from **100** to **100** No. 2, from **100** to **100** No. 3, from **100** to **100** No. 4, from **100** to **100** No. 5, from **100** to **100** No. 6, from **100** to **100**

### IMPORTANT WATER SANDS

No. 1, from **100** to **100** No. 2, from **100** to **100** No. 3, from **100** to **100** No. 4, from **100** to **100**

### CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
11-3/4	42.1	8.0	East 1	149.76	End cut				Surface casg.
8-5/8	26.1	8.0	East 1	1201.42	End cut				Intermediate
5-1/2	17.00	8.0	East 1	700.39	End cut				Production

### MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
11-3/4	152.76	150 sx. 1/2 Gal	P & P	-	-
8-5/8	1201.42	350 sx. 1/2 Gal	P & P	-	-
5-1/2	4700.39	100 sx. 1/2 Gal plus 100 cu. ft. Strata-Crete	P & P	-	-

### PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

### SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

### TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to **6010** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

### DATES

Put to producing \_\_\_\_\_, 19\_\_\_\_  
The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. \_\_\_\_\_  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

### EMPLOYEES

**L. T. Van Meter**, Driller **W. L. Beckham**, Driller  
**O. J. Green**, Driller \_\_\_\_\_, Driller

### FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION

DATE TIME LOCATION DEPTH EMPLOYER ROCK DRAINAGE SECTION POINTS DATES TOOLS USED SHOOTING RECORD SERVICE AND VOLUMES SHOOTING AND CONTINUING RECORD		DATE TIME LOCATION DEPTH EMPLOYER ROCK DRAINAGE SECTION POINTS DATES TOOLS USED SHOOTING RECORD SERVICE AND VOLUMES SHOOTING AND CONTINUING RECORD	
---	--	---	--

### HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

This is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

DATE	TIME	LOCATION	DEPTH	EMPLOYER	ROCK	DRAINAGE	SECTION	POINTS	DATES	TOOLS USED	SHOOTING RECORD	SERVICE AND VOLUMES	SHOOTING AND CONTINUING RECORD
Ran D.S.T. #1:	3952-4033 feet for 2 hours	Recovered 1150 feet mud-cut salt water. F.P. 60-75 psi. 15 min. S.I.P. 1400 psi.											
Ran D.S.T. #2:	4202-4263 feet for 2 hours	Recovered 100 feet heavily gas-cut and slightly oil-cut mud. F.P. 70-80 psi. 30 min. S.I.P. 95 psi.											
Ran D.S.T. #3:	4610-4632 feet	Could not set packers - no test.											
Ran D.S.T. #4:	4611-4648 feet for 1 1/2 hours	Recovered 150 feet slightly oil and gas-cut mud. F.P. 80 psi. 20 min. S.I.P. 1225 psi.											

### OIL OR GAS SANDS OR ZONES

Well plugged and abandoned January 10, 1955.

The following is a brief history of the condition of the well at the time of abandonment:

On January 10, 1955, the well was plugged and abandoned. The plug was set at a depth of 4648 feet. The well was found to be producing oil and gas at the time of abandonment. The production was estimated to be 100 barrels of oil and 1000 cubic feet of gas per day.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**OCD-ARTESIA**

FORM APPROVED  
OMB No. 1004-0135  
Expires: January 31, 2004

**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.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

St. Mary Land & Exploration Company

3a. Address

580 Westlake Park Blvd., #600, Houston, TX 77079

3b. Phone No. (include area code)

281-677-2772

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

1980' FNL & 1980' FWL; Sec. 35, T19S, R29E UL:F

5. Lease Serial No.

NM 67102

6. If Indian, Allottee or Tribe Name

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

Parkway Delaware Unit NMNM88491X

8. Well Name and No.

PDU 401

9. API Well No.

30-015-25985

10. Field and Pool, or Exploratory Area

Parkway Delaware 49625

11. County or Parish, State

Eddy

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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	

3. 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

8/23/06 Add perms from 4210' to 4220', 2 spf, 21 holes

8/24/06 Pumped 1000 gals 7.5% acid 34 bbls 2% flush

8/25/06 Frac

8/28/06 Psi to 500, leave well pumping

9/12/06 24 hr well test - 47 Oil, 35 Water, 3 Gas



14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Marcie St. Germain

Title Production Tech

Signature

Marcie St. Germain

Date 9/19/06

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by (Signature)

Name  
(Printed/Typed)

Office

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.

**ACCEPTED FOR RECORD**

Date  
**SEP 25 2006**

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.

**WESLEY W. INGRAM**  
PETROLEUM ENGINEER

(Continued on next page)

UNITED STATES **OCD-ARTESIA**  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

SEP - 1 2009

## 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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well  
☐ Oil Well ☐ Gas Well ☒ Other2. Name of Operator  
St. Mary Land & Exploration Co.3a. Address 3b. Phone No (include area code)  
3300 N. A Street, Bldg. 7, Ste. 200 Midland, TX 79701(32)688-1789

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

(E) Sec. 35 - T-19S-R29E  
2230 FNL & 760 FWL

5. Lease Serial No.

NM 67102

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
NM88491X

8. Well Name and No.

PDU #302

9. API Well No.

30-015-26006

10. Field and Pool, or Exploratory Area

Parkway; Delaware

11. County or Parish, State

Eddy Co.

New Mexico

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

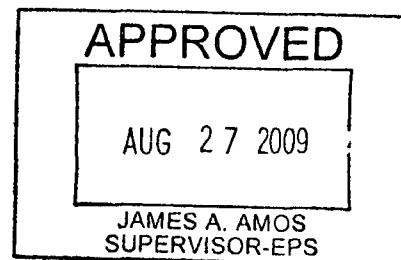
TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> 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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Request for
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	extension of
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	deadline

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 recomple 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

St. Mary Land &amp; Exploration request an extension to the 8/31/09 deadline to PA or return well to production.

Per Guidelines from Jim Amos attached is the documentation and timeline to complete activities of waterflood evaluation and obtain partner approval in order to reactivate or PA the TA'd wellbore.

\*Expires 3/1/10

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Donna Huddleston

Title Production Tech

Signature

Date 08/11/2009

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

Date

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)

3300 N. A STREET, BUILDING #7, SUITE 200  
MIDLAND, TEXAS 79705  
432-688-1700  
FAX 432-688-1701



August 11, 2009

Bureau of Land Management  
Carlsbad, NM Field Office  
620 E. Greene St.  
Carlsbad, NM 88220

Attn: Jim Amos

RE: Parkway Delaware Unit 302 (30-015-26006).

Dear Jim,

As we discussed by phone on August 11, 2009, this idle water injection well was shut-in late 2008 and was Temporarily Abandoned on May 15, 2009. An MIT test was performed and witnessed by the OCD. The OCD retained the original chart. We filed a Sundry Notice with your office that was dated May 22, 2009. The notice was returned to us stating that we had until August 31<sup>st</sup>, 2009 to reactivate the well or submit a notice to P&A.

We regret not submitting a notice to you in advance of the Temporary Abandonment. We are committed to complete compliance with your requirements and have taken steps to ensure this does not happen again. We would be happy to retest the well for one of your representatives if that is necessary.

PDU 302 is a water injector on the Western periphery of the Unit. We have recently been studying ways to improve the overall recovery from this portion of the flood and we believe conversion of some producers to injectors and injectors to producers may accomplish this. In waterfloods, the work on producers and injectors must be coordinated to be effective. We are currently trying to estimate the response of several alternatives to determine economic viability. We then will have to submit a proposal to our co-owners in the Unit to obtain their approval.

We foresee the following timeline to complete these activities:

- Project Update to BLM – by November 15, 2009
- Compute Economics and Obtain partner Approval – by December 1, 2009
- Submit final Sundry notice for work on PDU 302 – by December 31, 2009
- Return to Injection, convert to producer or plug – by March 1, 2010



Attached for your approval is a Sundry Notice that references this plan. Also attached are copies of:

1. Prior TA notification
2. Copy of the 5/15/09 MIT chart
3. TA approval from the OCD

We appreciate your cooperation in this matter. If you have any questions or additional concerns, please contact me immediately.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark C. Bondy". The signature is fluid and cursive, with the first name "Mark" and last name "Bondy" clearly distinguishable.

Mark C. Bondy  
Region Production Manager  
(432) 557-9049 (cell)  
[mbondy@stmaryland.com](mailto:mbondy@stmaryland.com)

att:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OPERATOR'S COPY

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007  
Case Serial No.

## 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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	6. If Indian, Allottee or Tribe Name
2. Name of Operator St. Mary Land & Exploration Co.	7. If Unit or CA/Agreement, Name and/or No. NM88491X
3a. Address 3300 N. A Street, Bldg. 7, Ste. 200 Midland, TX 79701	8. Well Name and No. PDU #302
3b. Phone No. (include area code) 3300 N. A Street, Bldg. 7, Ste. 200 Midland, TX 79701 806-688-1789	9. API Well No. 30-015-26006
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) (E) Sec. 35 - T-19S-R29E 2230 FNL & 760 FWL	10. Field and Pool, or Exploratory Area Parkway, Delaware
	11. County or Parish, State Eddy Co. New Mexico

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

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

5/12/09 TOH w/ 123 jts. 2 3/8" fiberlined inj. tbg., 2 3/8" 8 rd SS nipple, and 2 3/8" x 5 1/2" Baker AD-1 pkr. TIH 5 1/2" CIBP and 123 jts. 2 3/8" fiberlined inj. tbg. Note: Replaced 1- 2 3/8" tbg. collar on TIH. Set and got-off CIBP @ 4029'. Covered and TA'd Perfs./ 4241'- 4294' (66 Holes). Displaced 5 1/2" 15.5# wellbore w/ 110 bbs. FW and corrosion inhibitor mixed. Pressure tested wellbore and charted 30 min. test to 700#. Casing held. TOH LD w/ 50 jts. 2 3/8" tbg.

5/13/09 TOH w/ remaining 73 jts. 2 3/8" fiberlined injection tbg. (123 jts. total) and setting tool. Load wellbore w/ 10 bbs. FW + corrosion inhibitor mixed, pressured wellbore to 600#, and charted 30 min. test. Lost 20# in 30 mins. Released pressure.

Wellbore TA'd.

5/15/09 Performed a Mechanical Integrity Test. Original chart retained by NMOCD.

*FAILURE TO SUBMIT NOI TO TAWELL / NO CHART ATTACHED / BLM Didn't witness*

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Donna Huddleston	Title Production Tech	ACCEPTED FOR REC
Signature <i>Donna Huddleston</i>	Date 05/22/2009	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by 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	Title Office	Date JUN 11 2009 /s/ JD Whitlock Jr BUREAU OF LAND MANAGEMENT CARLSBAD FIELD 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)

After 8-31-09 the well must be online  
or plans to P & A must be submitted.

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W Grand Ave., 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 and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

MAY 21 2009

Form C-103  
June 19, 2008

Rm

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-26006
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other Inj. Well		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator St. Mary Land & Exploration Co.		6. State Oil & Gas Lease No. NM 88491X
3. Address of Operator 3300 N. A Street, Bldg. 7, Ste. 200 Midland, TX 79705		7. Lease Name or Unit Agreement Name Parkway Delaware Unit
4. Well Location Unit Letter E : 2230 feet from the North line and 760 feet from the West line Section 35 Township 19S Range 29E NMPM County Eddy		8. Well Number 302
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3312' GR		9. OGRID Number 154903
		10. Pool name or Wildcat Parkway, Delaware

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
OTHER <input type="checkbox"/>		OTHER, TA'd Inj. Well <input checked="" type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

5/12/09 TOH w/ 123 jts. 2 3/8" fiberlined inj. tbg., 2 3/8" 8 rd SS nipple, and 2 3/8" x 5 1/2" Baker AD-1 pkr. TIH 5 1/2" CIBP and 123 jts. 2 3/8" fiberlined inj. tbg. Note: Replaced 1- 2 3/8" tbg. collar on TIH. Set and got-off CIBP @ 4029'. Covered and TA'd Perfs./ 4241'- 4294' (66 Holes). Displaced 5 1/2" 15.5# wellbore w/ 110 bbs. FW and corrosion inhibitor mixed. Pressure tested wellbore and charted 30 min. test to 700#. Casing held. TOH LD w/ 50 jts. 2 3/8" tbg.

5/13/09 TOH w/ remaining 73 jts. 2 3/8" fiberlined injection tbg. (123 jts. total) and setting tool. Load wellbore w/ 10 bbls. FW + corrosion inhibitor mixed, pressured wellbore to 600#, and charted 30 min. test. Lost 20# in 30 mins. Released pressure.

Wellbore TA'd.

5/15/09 Performed a Mechanical Integrity Test. Original chart retained by NMOCD.

Temporary Abandonment Status Approved

Until 6/1/2012

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Donna Huddleston TITLE Production Tech DATE 05/18/2009

Type or print name Donna Huddleston E-mail address: dhuddleston@stmaryland.com PHONE: (432)688-1789  
For State Use Only

APPROVED BY: Robert Nae TITLE Compliance Officer DATE 6/1/09  
Conditions of Approval (if any):

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

## 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.

JUN - 4 2009

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well ☐ Oil Well ☐ Gas Well ☒ Other2. Name of Operator  
St. Mary Land & Exploration Co.3a. Address 3b. Phone No. (include area code)  
3300 N. A Street, Bldg. 7, Ste. 200 Midland, TX 79701 (32) 688-1789

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

(E) Sec. 35 - T-19S-R29E  
2230 FNL & 760 FWL

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
NM88491X

8. Well Name and No.

PDU #302

9. API Well No.

30-015-26006

10. Field and Pool, or Exploratory Area  
Parkway, Delaware11. County or Parish, State  
Eddy Co.  
New Mexico

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

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

5/12/09 TOH w/ 123 jts. 2 3/8" fiberlined inj. tbg., 2 3/8" 8 rd SS nipple, and 2 3/8" x 5 1/2" Baker AD-1 pkr. TIH 5 1/2" CIBP and 123 jts. 2 3/8" fiberlined inj. tbg. Note: Replaced 1- 2 3/8" tbg. collar on TIH. Set and got-off CIBP @ 4029'. Covered and TA'd Perfs./ 4241'- 4294' (66 Holes). Displaced 5 1/2" 15.5# wellbore w/ 110 bbs. FW and corrosion inhibitor mixed. Pressure tested wellbore and charted 30 min. test to 700#. Casing held. TOH LD w/ 50 jts. 2 3/8" tbg.

5/13/09 TOH w/ remaining 73 jts. 2 3/8" fiberlined injection tbg. (123 jts. total) and setting tool. Load wellbore w/ 10 bbs. FW + corrosion inhibitor mixed, pressured wellbore to 600#, and charted 30 min. test. Lost 20# in 30 mins. Released pressure.

Wellbore TA'd.

5/15/09 Performed a Mechanical Integrity Test. Original chart retained by NMOCD.

FAILURE TO SUBMIT NOI TO TA WELL/NO CHART ATTACHED/BLM Did not witness

14 I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Donna Huddleston

Title Production Tech

Signature *Donna Huddleston*

Date 05/22/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

Office

ACCEPTED FOR RECORD

JUN 2 2009

Date/s/ JD Whitlock Jr

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD 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)

After 8-31-09 the well must be online  
or plans to P & A must be submitted.

- C/SF

RECEIVED

FEB 26 '90

G. C. D.  
ARTESIA, OFFICE

February 21, 1990

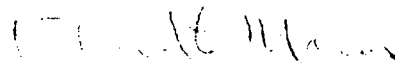
Siete Oil & Gas Corporation  
P. O. Box 2523  
Roswell, NM 88202-2523

Gentlemen:

Your Application for Permit to Drill, Deepen, or Plug Back (APD) for well Renegade Federal No. 4, Lease No. NM-67102, Section 35, T. 19 S., R. 29 E., has been cancelled.

The APD is considered expired if drilling activity has not commenced within one year after approval. Should you desire to drill this well at a later date, you will be required to re-submit the proper forms for approval.

Sincerely,



Richard L. Manus  
Area Manager

cc: RDO  
NMOCD (Artesia/Hobbs)

1st FD-2  
3-16-90  
Exp. Int.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONTACT R VING  
OFFICE FOR N JBER  
OF COPIES REQUIRED  
(See other instructions on  
reverse side)

BLM Roswell District  
Modified Form No.  
NM060-3160-3

Artesia, NM 88210

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

5. LEASE DESIGNATION AND SERIAL NO.

NM-61582

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Apache "A" Federal

9. WELL NUMBER

5

10. FIELD AND POOL, OR WILDCAT

Parkway (Yates)

11. SEC., T., R., M., OR BLOCK AND SURVEY  
OR AREA

Sec. 35, T19S, R29E

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Southland Royalty Company

3. ADDRESS OF OPERATOR

21 Desta Dr., Midland, TX 79705

3a. AREA CODE & PHONE NO.

915/686-5600

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 890' FNL & 840' FWL

At top prod. interval reported below Same

At total depth Same

9a. API WELL NO.

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR  
PARISH  
Eddy

13. STATE

NM

15. DATE SPUNDED

1/23/90

16. DATE T.D. REACHED

1/23/90

17. DATE COMPL. (Ready to prod.)

1/23/90

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

3311' GR.

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

1540'

21. PLUG BACK T.D., MD & TVD

22. IF MULTIPLE COMPL.

HOW MANY\* N.A.

23. INTERVALS

DRILLED BY

ROTARY TOOLS

0-TD

CABLE TOOLS

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\*

25. WAS DIRECTIONAL

SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

No Logs

27. WAS WELL CORED

NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	1470'	11'	750 sx Class C	
13 3/8"	48#	220'	?	350 sx Cl. 'C' (SSS)	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8'	1538'	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size, and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)

AMOUNT AND KIND OF MATERIAL USED

33.\* PRODUCTION

DATE OF FIRST PRODUCTION

PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)

WELL STATUS (Producing or shut-in)

DATE OF TEST

HOURS TESTED

CHOKE SIZE

PROD'N FOR TEST PERIOD

OIL - BBL.

GAS - MCF.

WATER - BBL.

GAS - OIL RATIO

FLOW. TUBING PRESS.

CASING PRESSURE

CALCULATED 24 HOUR RATE

OIL - BBL.

GAS - MCF.

WATER - BBL.

OIL RATIO - API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

*Robert L. Bradshaw*

TITLE

Sr. Staff Env./Reg. Specialist

DATE

2/1/91

\*(See Instructions and Spaces for Additional Data on Reverse Side)

DRAWER DD  
AR 31A. NM 88210

CONTACT RECEIVING  
OFFICE F JMMR  
OF COMPS REPAIRS  
(Other instructions on  
reverse side)

30-015-28136 c/48  
NM Roswell District  
Modified Form No.  
NND60-3160-2

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL ☒ DEEPEN ☒ PLUG BACK ☐

b. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☐ OTHER Inj SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR  
Siete Oil and Gas Corporation

3. ADDRESS OF OPERATOR  
P.O. Box 2523, Roswell, NM 88202-2523

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface 2630' FSL & 1485' FEL, NW $\frac{1}{4}$ SE $\frac{1}{4}$ , Unit Letter J  
At proposed prod. zone same UNORTHODOX LOCATION: Land Approval by State

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
17 miles Northeast of Carlsbad

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 10'-lease 2630'-unit

16. NO. OF ACRES IN LEASE  
920

17. NO. OF ACRES ASSIGNED TO THIS WELL  
N/A

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
450

19. PROPOSED DEPTH  
4400

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3338' - GR

22. APPROX. DATE WORK WILL START\*  
September 1, 1994

5. LEASE DESIGNATION AND SERIAL NO.  
NM-24160

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Parkway Delaware Unit

8. FARM OR LEASE NAME

9. WELL NO.  
509

10. FIELD AND POOL, OR WILDCAT  
Parkway Delaware

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA  
Sec. 35: T19S, R29E

12. COUNTY OR PARISH  
Eddy

13. STATE  
NM

23. PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	90#	J-55	8rd	350'	325 sxs circ
17 $\frac{1}{2}$ "	13 3/8"	48#	J-55	8rd	1200'	875 sxs circ
12 $\frac{1}{4}$ "	8 5/8"	24#	J-55	8rd	3200'	1150 sxs circ
7 7/8"	5 $\frac{1}{2}$ "	15.5#	J-55	8rd	4400'	550 sxs

The operator proposes to drill to a depth sufficient to inject water into the Delaware formation.

Attachments:  
Survey plat (C-102)  
Supplemental Drilling Data  
Surface Use Plan

EXPIRED INTENT

Siete Oil and Gas Corporation, as operator, accepts all applicable terms, conditions, stipulations and restrictions concerning operations conducted on the lease or portion of lease described.

Siete Oil and Gas Corporation meets federal bonding requirements as follows:

Bond Coverage: Statewide  
BLM Bond File No.: 3104

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Cathy Batley-Seely TITLE Regulatory Specialist DATE 7/21/94

(This space for Federal or State office use)

PERMIT NO. 15 APPROVAL DATE 9/20/94

APPROVED BY Robert J. Moore TITLE Associate DATE 9/20/94

CONDITIONS OF APPROVAL, IF ANY:  
INJECTION is: Land Approval by State

\*See Instructions On Reverse Side



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
OCD-ARTESIAFORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

RN

## 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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well  
☐ Oil Well ☐ Gas Well ☒ Other2. Name of Operator  
St. Mary Land & Exploration Co.3a. Address 3b. Phone No. (include area code)  
3300 N. A Street, Bldg. 7, Ste. 200 Midland, TX 79708 (32) 688-1789

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

(G) Sec. 35 - T-19S-R29E  
2628 FSL & 1485 FEL

5. Lease Serial No

NM-67102

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
NM88491X

8. Well Name and No

PDU #507

9. API Well No.

30-015-29504

10. Field and Pool, or Exploratory Area  
Parkway, Delaware11. County or Parish, State  
Eddy Co.  
New Mexico

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

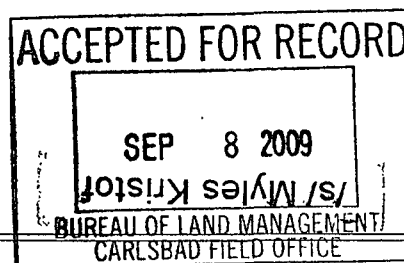
TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<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 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 recomplete 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

7/29/09 Cleaned out to 4385' w/3 7/8" bit.

7/30/09 Acidized 4 1/2" 11.60# casing perms. f/ 4164' - 4280' (72 holes) w/ 2500 gals. 15% NEFE HCL acid @ 2 BPM - 1000# PP, flushing w/ 25 bbls. FW + Biocide mixed. ISIP- 800#, 5 Min.- 760#, 10 Min.- 730#, 15 Min.- 690#. MIT set for 8/5/09. Notified Richard Inge w/NMOCD.

8/5/09 - MIT @ 375 PSI and held for 12 hours. Returned well to injection.

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Donna Huddleston

Title Production Tech

Signature

Donna Huddleston

Date 08/19/2009

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

Date

Office

ME

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)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

## 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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well  
☐ Oil Well ☐ Gas Well ☒ Other

DEC 16 2008

2. Name of Operator  
St. Mary Land & Exploration Co.

OCD-ARTESIA

3a. Address

3b. Phone No. (include area code)

3300 N. A Street, Bldg. 7, Ste. 200 Midland, TX 79701 (32) 688-1789

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

(I) Sec. 35 - T-19S-R29E  
2610' FSL & 430' FEL

5. Lease Serial No.

NM54865

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

PDU #703

9. API Well No.

30-015-30027

10. Field and Pool, or Exploratory Area  
Parkway, Delaware11. County or Parish, State  
Eddy Co.  
New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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 type="checkbox"/> Recomplete	
	<input type="checkbox"/> Change Plans	<input checked="" 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	

ACCEPTED FOR RECORD

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 recompleat 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 shall be filed with BLM/BIA following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a completion shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

10/27/08 Notified BLM &amp; OCD of MI, Trip Equip. to location.

10/28/08 RIH w/tbg to spot 25 sxs cmt, pump down SDFD.

10/29/08 Spot 25sxs cmt &amp; 3% CaCl @ 1892', WOC 4 hrs, Tag TOC @ 1849', PUH w/tbg spot 25 sxs class C neat @ 1849' POH w/tbg. SDFN. WOC overnight.

10/30/08 RIH w/tbg, no Tag. RU to pump mix &amp; spot 25 sxs class C cmt 3% CaCl, Witnessed BLM Rep. Terry Wilson, WOC, RIH w/tbg Tag @ 1845', contact BLM Terry Wilson, pump 25 sxs class C cmt., 3% CaCl POH w/tbg, WOC overnight. SDFN.

10/31/08 RIH w/tbg Tag @ 1845', POH w/tbg, contacted BLM Jim Amos, ok'd; RIH w/7" pkr on 2 3/8" tbg &amp; set pkr @ 1450'. RU to pump load backside &amp; mix &amp; sqz 75 sxs class C cmt, 3% CaCl, WOC 4 hrs, Release &amp; POH w/tbg &amp; 7" pkr, remove pkr 7"; RIH w/tbg, Tag TOC @ 1579', POH w/tbg &amp; SI for weekend.

11/3/08 RU WL &amp; RIH w/7" CIBP, set @ 1550', POH RD WL, RIH w/tbg mix &amp; spot 130 sxs class C cmt. 2% CaCl. PUH w/tbg laid down 27 jts, WOC 4 hrs, RIH w/tbg, Tag TOC @ 794'. RU to pump &amp; mix spot 105 sxs cmt. class C. neat. SDFN.

11/4/08 Open well RIH w/tbg. TAG TOC @ 179', POH w/tbg, contact BLM Jim Amos, Ok'd to spot 35 sxs cmt for surface plug. ND BOP &amp; wellhead, RIH w/ tbg, 5 jts &amp; spot 35 sxs cmt for surface plug. RDMO

14. I hereby certify that well logs and test data are correct.

Name (Printed/Typed)

Donna Huddleston

Title Production Tech

Signature

Date 12/04/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

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

APPROVED

DEC 14 2008

JAMES A. AMOS  
SUPERVISOR-EPS

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)

Approved as to plugging of the well bore.  
Liability under bond is retained until  
Surface restoration is completed.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. OIL CONS. DIV. 1201 W. Grand Avenue  
Alamosa, NM 88210

FORM APPROVED  
OMB No. 1004-0135  
Expires: January 31, 2004

**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.**

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

RECEIVED

2. Name of Operator

St. Mary Land & Exploration

JUL 30 2004

3a. Address

580 Westlake Park Blvd. Suite 600 Houston, TX 77079

3b. Phone No. (include area code)

(281) 677-2772

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

2000' FNL & 1564' FEL UL:G

35-T19S-R29E

5. Lease Serial No.

NM67102

6. If Indian, Allottee or Tribe Name

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

Parkway Delaware Unit 19265

8. Well Name and No.

Parkway Delaware Unit #305

9. API Well No.

30-015-33071

10. Field and Pool, or Exploratory Area

Parkway Delaware

11. County or Parish, State

Eddy County, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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	

3. 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 recomplete 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Squeeze A Zone Perfs 3965'-3967'

100 SXS "C"

Recomplete in B & C.

Perfs = 4060'-4062' and 4220'-4230'

Test 1150# PSI

ACCEPTED FOR RECORD

JUL 28 2004

ALEXIS C. SWOBODA  
PETROLEUM ENGINEER

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

Name (Printed/Typed)

Mary C. St. Germain

Title Production Tech

Signature

Marcie St. Germain

Date 7/22/04

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (Signature)

Name

(Printed/Typed)

Title

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

Date

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.

(Continued on next page)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Oil Cons.  
N.M. Div-Dist. 2  
1301 W. Grand Avenue  
Alamosa, NM 88210

FORM APPROVED  
OMB No. 1004-0135  
Expires: January 31, 2004

**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-24160

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

PDU #511

9. API Well No.

30-015-33073

10. Field and Pool, or Exploratory Area

PARKWAY DEAWARE UNIT 19265

11. County or Parish, State

Eddy County, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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	

3. 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 recomplete 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Isolated Delaware "C" perforations with a CIBP plug set @ 4180' with 1 sk of cement.

Perforated the Delaware "B" sand 4070-4080' with 20 holes (0.4" diameter)

Acidized with 1500 gals of 7 1/2% HCL

Frac'd with 14,000 gals of Clearfrac and 20,500# of 16/30 Brady sand, last 10,000# treated with Propnet

24 hour well test: 8 bopd, 20 bwpd, 1 Mcfpd, GOR: 125, 40 API.

Status: producing with 1 1/2" insert pump and 2 7/8" tubing at 3945'.

ACCEPTED FOR RECORD

JUN - 9 2004

LES BABYAK  
PETROLEUM ENGINEER

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Chuck Jones

Title Operations Manager Gulf Coast and Permian

Signature

Date

5/18/04

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (Signature)

Name  
(Printed/Typed)

Title

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

Date

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.

(Continued on next page)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Oil Cons.  
N.M. Div-Dist. 2

FORM APPROVED  
OMB No. 1004-0135  
Expires: January 31, 2004

**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.**

1301 W. Grand Avenue  
Altesia, NM 88210

Index Serial No.  
101 - 24160

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

RECEIVED

2. Name of Operator

St. Mary Land & Exploration Company

FEB 10 2005

3a. Address

580 Westlake Park Blvd., #600, Houston, TX 77079

3b. Phone No. (include area code)

281-677-2800

4. Location of Well (Footage, Sec., T, R., M., or Survey Description)  
2615' FSL & 1980' FWL UL:K, Sec. 35-T19S-R29E, N.M.P.M.

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

Parkway Delaware Unit

8. Well Name and No.

PDU #512

9. API Well No.

30-015-33713

10. Field and Pool, or Exploratory Area

Parkway Delaware

11. County or Parish, State

Eddy

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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 type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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	

3. 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 recompleat 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Drilled to 2326' and became stuck in the Capitan Reef. Unable to recover dilling tools in hole. P & A as follows:

1/26/2005: Plug #1- 75 sx Premium Plus + 2% Cacl2 @ 1664' to 1528'

Plug #2 - 150 sx Premium Plus + 2% Cacl2 @ 439' to 314'

Plug #3 - 60 sx Premium Plus + 2% Cacl2 @ 90' to surface. Cut off surface casing at 3' below GL and welded on steel plate cap. Installed well maker.

P &A operations were witnessed by BLM representative, Cathy Queen.

Approved as to plugging of the well bore.  
Liability under bond is retained until  
surface restoration is completed.

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Dennis L. Goins

Title Operations Engineer

Signature

Date 2/2/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (Signature)

(ORIG. SGD.) ALEXIS C. SWOBODA

Name  
(Printed/Typed)

PETROLEUM ENGINEER

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

RFO

Date

FEB 08 2005

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.

(Continued on next page)

**N.M. Oil Cons. DIV-Dist. 2**  
**DEPARTMENT OF THE INTERIOR**  
**BUREAU OF LAND MANAGEMENT**  
**1900 W. Grand Avenue**  
**Alameda, NM 88210**

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

**WELL COMPLETION OR RECOMPLETION REPORT**

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 1700 FSL 2630 FEL UL:J

At top prod. interval reported below SAME

At total depth SAME

**RECEIVED**

**JUN 03 2005**

**WCD-ARTERIA**

5. Lease Serial No.  
NM 24160

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 #513

9. API Well No.

30-015-33714 S

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)\*

3313' GL

14. Date Spudded

3-29-05

15. Date T.D. Reached

4-12-05

16. Date Completed

☐ D&A ☒ Ready to Prod.

18. Total Depth: MD 4718'  
TVD

19. Plug Back T.D.: MD 4673'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

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

Azimuthal Laterolog, Litho-Density Comp Neutron Log

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
17 1/2"	13 3/8"	42	0	403'		*		0	
12 1/4"	9 5/8"	36	0	1535'		**		0	
8 1/2"	7"	23	0	3195'		150 sx "C"		0	
6 1/2"	4 1/2"	10 1/2	0	4600'		250 sx "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)
2 3/8"		4103'						

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Delaware "C"			4148-4155	.4	8	Open
B) Delaware "C"			4159-4166	.4	8	Open
C) Delaware "C"			4192-4198	.4	13	Open
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
41489-4198	2500 gals 15% HCl
	* 450 sx Class C, 205 sx circ to surface
	** 280 50/50 + 200 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
	5-20-05	24	<input type="checkbox"/>	30	20	300			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

JUN - 1 2005

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)

Interval C

Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status

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
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

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	3725			Delaware	3724
Delaware "A"	3917	4004	Not Tested	"	
Delaware "B"	4004	4147	Not Tested	"	
Delaware "C"	4147	4296	Oil	"	

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 5-23-04

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.

2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NMOCB

## 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

RECEIVED

JUN 29 2005

OCU-ARITEGIA

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-T198-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 4600

19. Plug Back T.D.: MD 4505

TVD 4505

20. 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)						

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	

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"/>						

ACCEPTED FOR RECORD

JUN 28 2005

ALEXIS C. SWOBODA  
PETROLEUM ENGINEER

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



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"/>						

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.)

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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Oil Cons.  
N.M. DIV-Dist. 2  
1801 W. Grand Avenue  
Albuquerque, NM 88210

FORM APPROVED  
OMB No. 1004-0135  
Expires: January 31, 2004

**SUNDRY NOTICES AND REPORTS ON ABANDONED 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.**

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
St Mary Land & Exploration Company

3a. Address  
580 Westlake Park Blvd., #600, Houston, TX 77079

3b. Phone No. (include area code)

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

1560' FNL 2060' FEL Section 35, T19S R29E

5. Lease Serial No.

NM-67102

6. If Indian, Allottee or Tribe Name

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

Parkway Delaware Unit

8. Well Name and No.

PDU 307

9. API Well No.

30-015-83742-32997

10. Field and Pool, or Exploratory Area

Parkway Delaware

11. County or Parish, State

Sec. 35, T19S, R29E

EDDY

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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	

3. 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 recomple 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Drilled well to 2230' and became stuck in the Capitan Reef. Unable to recover drilling tools in hole. P&A as follows:

1/8/2005: Plug #1 - 150 sx Class C + 3% Casl2 @ 1720' to 1600'

Plug #2 - 120 sx Class C + 4% Casl2 @ 450' to 350'

Plug #3 - 60 sx Class C + 4% Casl2 @ 60' to surface. Cut surface casing off 3' below GL and welded on steel plate cap. Installed well marker.

P&A operations were witnessed by BLM representative.

Approved as to plugging of the well bore.  
Liability under bond is retained until  
surface restoration is completed.

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Dennis L. Goins

Title Operations Engineer

Signature

Date 2/1/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by (Signature)

(ORIG. SGD.) ALEXIS C. SWOBODA

Name

(Printed/Typed)

PETROLEUM ENGINEER

Office

RFO

Date

FEB 08 2005

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.

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.

(Continued on next page)

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Alamosa, NM 88210

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

5. Lease Serial No.  
NM 61582

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

3a. Phone No. (include area code)

580 Westlake Park Blvd Suite 600 Houston, Tx. 77079

(281) 677-2772

8. Lease Name and Well No.

PDU #207

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

RECEIVED

JUL 18 2005

OOB-ARTEDIA

9. API Well No.

30-015-34121 S1

At surface 995' FNL, 1461' FEL UL:B

10. Field and Pool, or Exploratory

PARKWAY DELAWARE UNIT 49625

At top prod. interval reported below SAME

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

SEC 35-T19S-R29E

At total depth SAME

12. County or Parish

EDDY

13. State

NM

14. Date Spudded

5-23-05

15. Date T.D. Reached

6-5-05

16. Date Completed

☐ D&A ☒ Ready to Prod.

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

3318' GL

18. Total Depth: MD 4590  
TVD 4590

19. Plug Back T.D.: MD 4536  
TVD 4536

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 Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2	13 3/8/I-55	48#	0	394'		See #32		0	
12 1/4	9 5/8/I-55	36#	0	1488'		1. below		0	
8 1/2	7/I-55	23#	0	3227'		2. below		0	
6 1/2	4 1/2/I-55	11.6#	0	4577'		181 sx C		0	
						81 sx C cir			

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"			4165-4169	.4	5	Open
B) Delaware "C"			4173-4192	.4	20	Open
C) Delaware "C"			4208-4218	.4	11	Open
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
4165-4218	3000 bbls 15% HCl, 55 bbls flush 2% KCl 1. Lead 300 sx Class C, Tail 250 sx
	2. Stage 1 - 150 sx 50-50-10
	Stage 2 - 100 sx 50-50-10 + 75 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
7-6-05	7-6-05	24	<input type="checkbox"/>	19	0	270			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

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

## 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"/>						

## 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.)

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"	3908	4013		Delaware	3780
Delaware "B"	4013	4161			
Delaware "C"	4161	4252	Oil		

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

\*\* Compensated Neutron Three Detector Litho Density and Hi-Res Laterolog - Micro - CFL/GR

\*Lead 195 sx C, Tail 180sx H, topped off w/50 sx, 25 sx, 25 sx &amp; 25 sx thru 1"; Final Plug 50 sx thru 1", 25 sx circ to pit.

## 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. GermainDate 7-13-05

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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry Other Water Injection Well  
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 1438' FNL, 969' FEL UL:H

At top prod. interval reported below SAME

At total depth SAME

## 14. Date Spudded

12-07-05

## 15. Date T.D. Reached

12-17-05

## 16. Date Completed

☐ D&A ☐ Ready to Prod.18. Total Depth: MD 4580  
TVD 458019. Plug Back T.D.: MD 4529  
TVD 452920. 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	401'		..			Circ
12 1/4	9 5/8/H-40	32.3#	0	1518'		...			Circ
8 3/4	7 1/2-55	23#	0	3214'		....			Circ
6 1/4	4 1/2/J-55	10.5#	0	4572'		.....			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 3/8	4121'	3894'						

## 25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Delaware "C"			4212-4236	.4	25	Open
B)			4198-4208	.4	11	Open
C)						
D)						

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

Depth Interval	Amount and Type of Material
4198-4236	3500 gals 15% HCl; 75 bbls of flush 2% HCl
	**pumped w/195 sx Lead "C" 13.5ppg. Tail 150 sx "C" 14.8ppg
	circ 8 sx to pit

## 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
1-25-06	1-26-05	24	<input type="checkbox"/>	11	0	20			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)

5. Lease Serial No.  
NM 54865

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 #208

9. API Well No.

30-015-34433 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

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

3337' GL

RECEIVED

FEB 17 2006

OCD-ARTESIA

ACCEPTED FOR RECORD

FEB 15 2006

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"/>						

## 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
Delaware			Oil	B/Salt	1210
				Queen	2654
				T/Delaware	3688

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

\*Hi-Res Laterolog Array Micro-CFL/GR; Three Detector Litho-Density Compensated Neutron/GR; Geology Composite Log FMI/GR

\*\*\*circ w/280 sx Lead 11.9ppg, Tail 200sx "C" 14.8ppg, circ 72sx to pit

\*\*\*\*cmt'd 1st stage 115sx Lead 11.9ppg Tail 150sx 14.8ppg all "C"; cmt'd 2nd stage 120sx Lead 11.8ppg Tail 75sx 14.8ppg all "C"

\*\*\*\*\*cmt'd w/200sx 11.9 Lead & 100sx Tail 13.0ppg all "C", circ 16sx to pits

Time WOC - 13 3/8" 25 hrs; 9 5/8" 9.5 hrs; 7" 9.5 hrs; 4" 8 hrs Press Testing - 13 3/8" 30 min @ 600 psi, 9 5/8" 30 min 800 psi, 7" 30 min 1400 psi, 4 1/2" 30 min 1000 psi

## 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 2-7-06

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.

NO. OF COPIES RECEIVED	3
DISTRIBUTION	
SANTA FE	1
FILE	1
U.S.G.S.	
LAND OFFICE	
OPERATOR	1

**RECEIVED**  
NEW MEXICO OIL CONSERVATION COMMISSION

FEB 24 1972

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

**D. C. C.**  
**ARTISIA OFFICE**

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>

5. State Oil & Gas Lease No.
<b>L-3355</b>

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-	7. Unit Agreement Name
2. Name of Operator <b>THE PETROLEUM CORPORATION</b>	8. Farm or Lease Name <b>Petco State Com.</b>
3. Address of Operator <b>3303 Lee Parkway, Dallas, Texas 75219</b>	9. Well No. <b>2</b>
4. Location of Well UNIT LETTER <b>N</b> <b>660</b> FEET FROM THE <b>South</b> LINE AND <b>1980</b> FEET FROM THE <b>West</b> LINE, SECTION <b>26</b> TOWNSHIP <b>19</b> RANGE <b>29</b> NMPM.	10. Field and Pool, or Wildcat <b>Parkway Wolfcamp</b>
15. Elevation (Show whether DF, RT, GR, etc.) <b>GL-3340</b>	12. County <b>Eddy</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input checked="" type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. Loaded hole w/gel mud.
2. Set bridge plug at 9550' & dump 8 sxs. cement on top.
3. Shot 4-1/2" casing at 5500' & pulled 5500' of 4-1/2" casing.
4. Set 50 sack cement plug 5505 to 5405 feet.
5. Set 35 sack cement plug 3850 to 3750 feet.
6. Shot 8 5/8" casing at 1012 feet and pulled 1012 feet of 8-5/8" casing.
7. Set 35 sack cement plug 1072 to 972 feet.
8. Set 35 sack cement plug 640 to 540 feet.
9. Set 10 sack cement plug at surface.
10. Installed 4 inch marker **2-14-72**

Prepare to clean up location -- will advise when ready for inspection.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE <u><i>Sally C. Shuman</i></u>	TITLE <u><b>Petroleum Engineer</b></u>	DATE <u><b>Feb. 21, 1972</b></u>
---	--	----------------------------------

APPROVED BY <u><i>Decker McInnis</i></u>	TITLE <u><b>OIL AND GAS INSPECTOR</b></u>	DATE <u><b>JUN 14 1972</b></u>
--	---	--------------------------------

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., 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 and Natural Resources

Form C-103  
June 19, 2008

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505



WELL API NO. 30-015-26112
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. K-4169
7. Lease Name or Unit Agreement Name Parkway Delaware Unit
8. Well Number 101
9. OGRID Number 154903
10. Pool name or Wildcat Parkway; Delaware

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator St. Mary Land & Exploration Company	OCT 28 2008
3. Address of Operator 3300 N. A St., Bldg 7, Suite 200, Midland, TX 79705	OCD-ARTESIA
4. Well Location Unit Letter <u>O</u> : <u>330</u> feet from the <u>South</u> line and <u>1980</u> feet from the <u>East</u> line Section <u>26</u> Township <u>19S</u> Range <u>29E</u> NMPM <u>Eddy</u> County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3326' GR	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER:

OTHER: Re-entry to establish production ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

8/22/08 - Set RBP @ 4154'  
8/25/08 - Spot 300 gal 15% NEFE HCL from 4050-3790'. POH w/tbg & pkr. Perf 4028', 4032', 4036', 4068' & 4084' w/2 spf. Set pkr @ 3930'. Break down perfs. Acidize w/1500 gals 15% NEFE w/balls for diversion.  
8/26/08 - Swab  
8/27/08 - Swab  
9/10/08 - RU & Swab  
9/11/08 - Swab  
9/26/08 - MIRU to frac. Frac perfs from 4028' - 4084' (10 holes) w/27,048 gals XL fluid + 20.036# 16/30 sand + 11,513# 16/30 RC sand.  
10/1/08 - POH w/ tbg & pkr.  
10/2/08 - RIH w/tbg, rods, pump, etc  
10/9/08 - Installed/stared pumping unit.

ACCEPTED FOR RECORD

OCT 29 2008

Gerry Guye, Deputy Field Inspector  
NMOCD-District II ARTESIA

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Donna Huddleston TITLE Production Tech DATE 10/24/2008

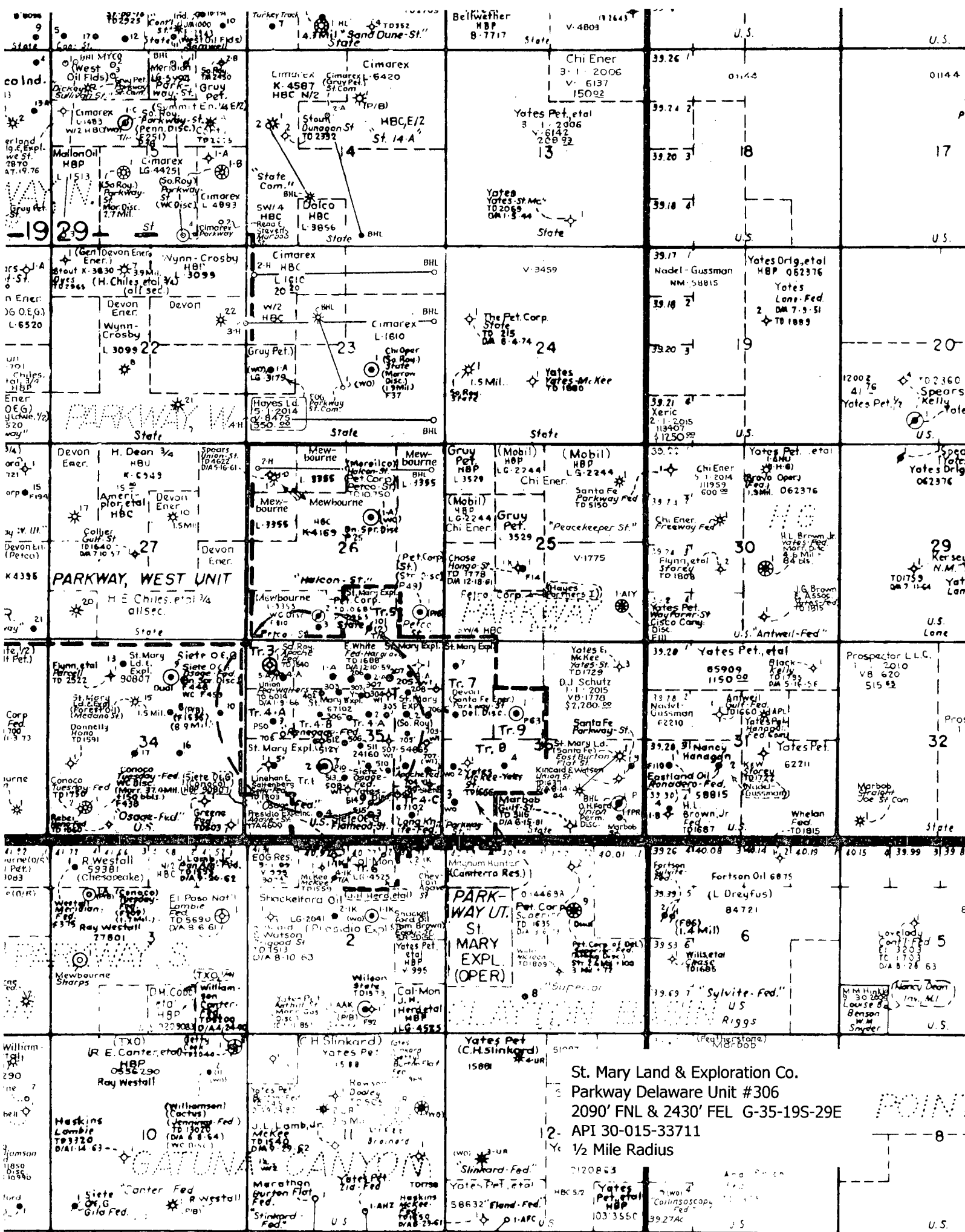
Type or print name Donna Huddleston E-mail address: dhuddleston@stmaryland.com PHONE: 432-688-1789

**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):





St. Mary Land & Exploration Co.  
Parkway Delaware Unit #306  
2090' FNL & 2430' FEL G-35-19S-29E  
API 30-015-33711  
1/2 Mile Radius

POINT

8

U.S.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Expires August 31, 1985

3. LEASE DESIGNATION AND SERIAL NO.

NM24160

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

St. Mary Land & Exploration c/o Nance Petroleum

3. ADDRESS OF OPERATOR

P. O. Box 7168 - Billings, MT 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

660' FSL & 1980' FWL Unit Letter N

14. PERMIT NO.

30-015-26028

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3324 KB

7. UNIT AGREEMENT NAME

Parkway Delaware Unit

8. FARM OR LEASE NAME

9. WELL NO.

504

10. FIELD AND POOL, OR WILDCAT

Parkway Delaware

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 35; T19S; R29E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

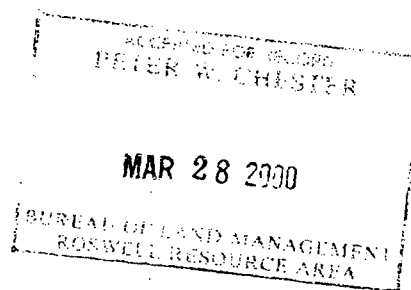
ABANDONMENT\*

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

1/20/00-2/07/00 MIRU WSU. Set 5 1/2" CIBP @ 4345'. Dump bail cement to 4325'. Test casing intervals suspected of having leaks with Pkr-RBP and swab to determine inflow. Determined remedial squeeze prior to running liner was not necessary. Ran 4" 10.46# L-80 FJ liner from 4328' to surface. Cement in two stages with 120 sx Class "C". Drill out cement & DV tool at 2932' to PBD at 4297'. Run CBL. Perforate Delaware "C" zone 4198-4208' with 6 spf (60 holes). Acidize with 1000g 7.5% HCL. Frac with 36,000# 20/40 ottawa and 26,000# resin coated 20/40 ottawa sand. Clean out and run production equipment.

2/16/00 Tested 19 BO + 160 BW + 48 MCFG.



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

SIGNED

*David R. Thackery*

TITLE

Operations Engineer

DATE

3/16/00

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N French Dr , Hobbs, NM 88240  
District II  
1301 W. Grand Ave , 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 and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

JUN 11 2009

Form C-103  
June 19, 2008

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS )		WELL API NO. 30-015-30029
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other Inj. Well		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator St. Mary Land & Exploration Co.		6. State Oil & Gas Lease No. NM 88491X
3. Address of Operator 3300 N. A Street, Bldg. 7, Ste. 200 Midland, , TX 79705		7. Lease Name or Unit Agreement Name Parkway Delaware Unit
4. Well Location Unit Letter J : 1350 feet from the South line and 2520 feet from the East line Section 35 Township 19S Range 29E NMPM County Eddy		8. Well Number 508
11. Elevation (Show whether DR, RKB, RT, GR, etc ) 3316' GL		9. OGRID Number 154903
		10. Pool name or Wildcat Parkway, Delaware

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER Repair Inj. well ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

5/28/09 Released Baker Loc-set packer. TOH LD w/ 128 jts. 2 3/8" fiberlined injection tbg.

5/29/09 TIH w/ bit, PU drill collars, and PU off racks w/ 119 jts. 2 3/8" tbg. Drilled f/ 4036' - 4360' ( 324' ) PBTD. TOH w/ 130 jts. 2 3/8" tbg., LD drill collars, and bit.

6/1/09 Acidized 4.5" 10.5# casing perfs. f/4160' - 4278' w/ 1000 gals. 15% NEFE HCL.

6/2/09 TIH w/ 4 1/2" x 2 3/8" Baker Loc-Set pkr., 127 jts. 2 3/8" IPC tbg. Set pkr. @ 4015'. Got off pkr., broke circ. and displaced 4 1/2" 10.5# wellbore w/ 100 bbls. FW + corrosion inhibitor mixed. Pressured casing to 500# and charted 30 min. test. Test held.

Notified NMOCD of pending MIT test @ 9:30 AM on 6/04/2009.

6/04/09 Performed a Mechanical Integrity Test. Original chart retained by NMOCD.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

*Donna Huddleston*

TITLE Production Tech

DATE 06/09/2009

Type or print name Donna Huddleston

E-mail address: dhuddleston@stmaryland.com

PHONE: (432)688-1789

For State Use Only

APPROVED BY:

*Rebecca Nae*

TITLE

*Compliance Officer*

DATE

*6/18/09*

Conditions of Approval (if any):

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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 Water Injection Well  
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 1300' FSL, 1675' FWL UL:K

At top prod. interval reported below SAME

At total depth SAME

RECEIVED

APR 06 2006

OCD-ARTESIA

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 #515

9. API Well No.

30-015-34407 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)\*

3312' GL

14. Date Spudded

02-07-06

15. Date T.D. Reached

02-20-06

16. Date Completed

☐ D&A ☒ Ready to Prod.

18. Total Depth: MD 4600

TVD 4600

19. Plug Back T.D.: MD 4547

TVD 4547

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2	13 3/8/H-40	48#	0	400'		**			Circ
12 1/4	9 5/8/H-40	32.3#	0	1532'		***			Circ
8 3/4	7/J-55	23#	0	3190'		****			Circ
6 1/4	4 1/2/J-55	10.5#	0	4597'		*****			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 3/8	4118'							

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Delaware "C"			4218-4236	.4	19	Open
B)			4198-4204	.4	7	Open
C)			4184-4190	.4	7	Open
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
4193-4264	3000 gals 15% HCl; 70 bbls of 2% flush
	**cm'd w/195 sx lead 50/50 POZ C 13.5 ppg; tail 150 sx C 14.8 ppg circ
	circ 50 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
3-13-06	3-20-06	24	<input type="checkbox"/>	72	30	20			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

MAR 27 2006

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

## 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.)

## 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	4184	4236	Oil	B/Salt	1152
				Tansil	1207
				Yates	1460
				Capitan	1668
				Queen	2612
				Delaware	3708

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

\*Hi-Res Laterolog Array Micro-CFL/GR; Three Detector Litho-Density Compensated Neutron/GR; Geology Composite Log FMI/GR

\*\*\*circ w/280 sx Lead 11.9ppg, Tail 200 sx "C" 14.8ppg, circ 60 sx to pit

\*\*\*\*cmt'd 1st stage 115sx Lead 11.9ppg Tail 115sx 14.8ppg all "C"; cmt'd 2nd stage 120sx Lead 11.8ppg Tail 75sx 14.8ppg all "C", circ 36 sx to surface

\*\*\*\*\*cmt'd w/200 sx 11.9 Lead & 130 sx Tail 13.0ppg all "C", circ 27 sx to pits

Time WOC-13 3/8" 13 hrs; 9 5/8" 36 hrs; 7" 16 hrs; 4" 14 days Press Testing-13 3/8" 120 min @ 1000psi, 9 5/8" 30 min 800psi, 7" 120 min 800psi, 4 1/2" 30 min 1000psi

## 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 3-21-06

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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Huddles

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

## 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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
St. Mary Land & Exploration Co.3a. Address 3b. Phone No. (include area code)  
3300 N. A Street, Bldg. 7, Ste. 200 Midland, TX 79708-3218 805-789-11894. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1000 FNL & 2452 FEL; B-35-19S-29E

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
NM 88491X8. Well Name and No.  
Parkway Delaware Unit #2069. API Well No.  
30-015-3412810. Field and Pool, or Exploratory Area  
Parkway Delaware11. County or Parish, State  
Eddy

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

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

TA wellbore 11/12/09. Well down with rod part and was uneconomical to repair. Has been identified as a possible conversion to injection candidate. With management approval, plan is to convert this producer to injector end of March, 2010. Wellbore diagram is attached.

11/9/09 POH w/rods &amp; tbg

11/10/09 TIH w/ 4 1/2 CIBP set @ 4102'. Broke circ. and displaced 4 1/2" 10.5# wellbore w/ 80 bfw + corrosion inhibitor mixed. Pressure tested wellbore to 600# and charted 30min. test. Lost 85#. Tightened all wellhead leaks and re-pressured wellbore to 610#. Lost 70# in 30 min.

11/12/09 Set and got off CIBP @ 4029' (new PBTD). Loaded wellbore w/ 5 bfw + corrosion inhibitor mixed. Pressure tested 4 1/2 10.5# wellbore to 600# and charted 34 min. test. Lost 20# to 580#. Released pressure &amp; RDMO.

11/16/09 Successful MIT - BLM &amp; OCD notified. Witnessed by BLM/ Richard Inge. NMOCD ok'd test but did not witness.

TA Approved until 11/16/2010

After 11-16-2010 the well must be online or plans to P &amp; A must be submitted.

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Donna Huddleston

Signature

Donna Huddleston

Title Production Tech

Date 11/03/2009

Accepted for record

NMOCD

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ JD Whitlock Jr

Title

LPE7

Date

12/24/09

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.

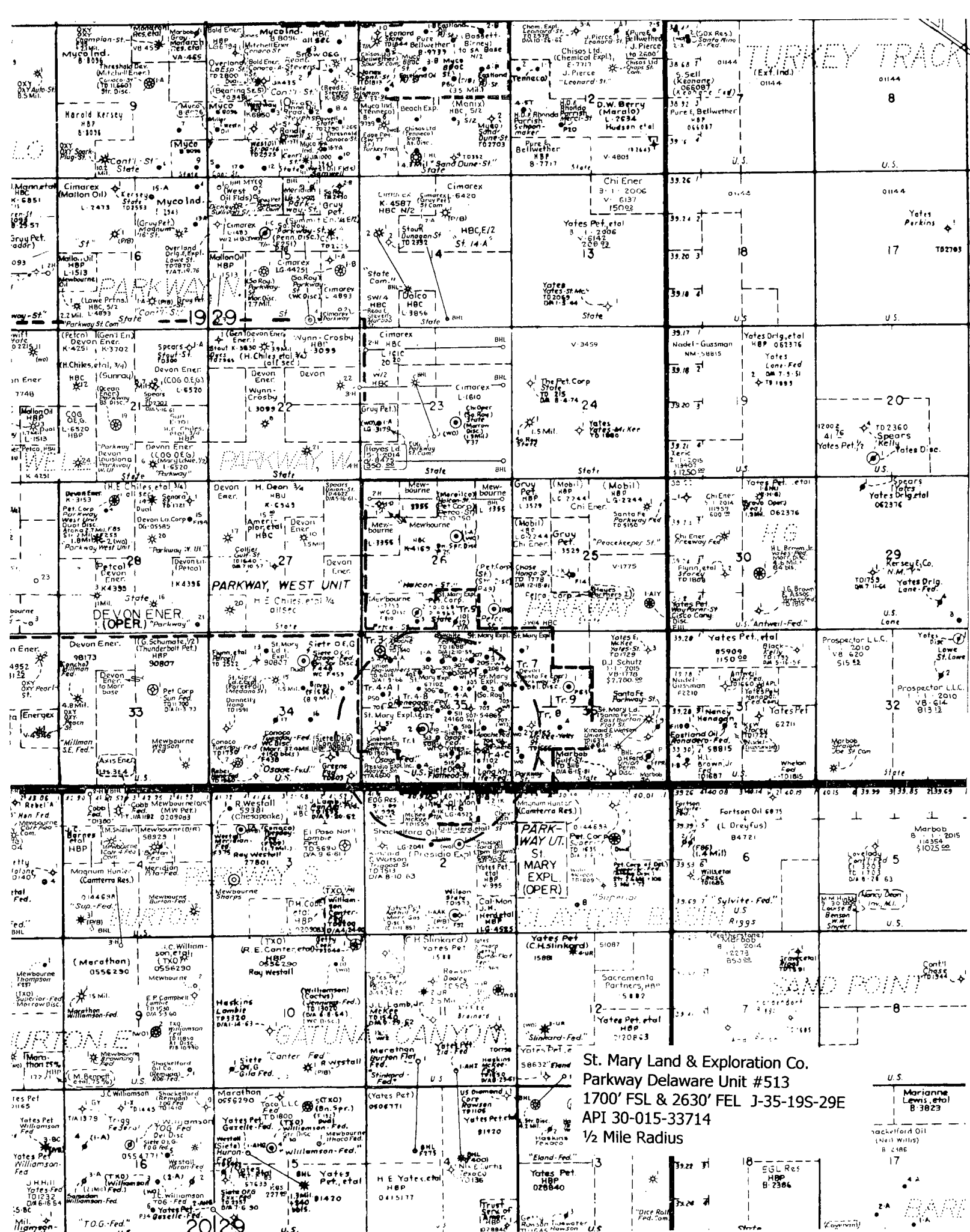
Office

CFO

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)

SUBJECT TO LIKE  
APPROVAL BY STATE



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

REVISED

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

5. Lease Serial No.  
V-1576 State

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry Other  
b. Type of Completion: ☐ New Well ☒ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other New perfs

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 #921

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

At surface 1980 FNL 330 FEL UL:L

At top prod. interval reported below SAME

At total depth SAME

9. API Well No.

30-015-26070 S1

10. Field and Pool, or Exploratory

PARKWAY DELAWARE UNIT

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

SEC 36-T19S-R29E

12. County or Parish

EDDY

13. State

NM

14. Date Spudded

3-10-89

15. Date T.D. Reached

3-23-89

16. Date Completed

☐ D&A ☒ Ready to Prod.

9-14-04

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

3333.7 GR

18. Total Depth: MD 5000  
TVD 5000

19. Plug Back T.D.: MD 4903  
TVD

20. Depth Bridge Plug Set: MD  
TVD

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

Gamma Trol, Comp Neutron-Gamma Ray CCL

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
17 1/2"	11 3/4"	47	0	415'		795 sx		0	
9 1/2"	7"	20	0	3200'		3835 sx		0	
6 1/4"	4 1/2"	10 1/2	0	4980'		700 sx		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)
2 3/8"	4265'							

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DELAWARE "C"			4294-4310	0.4	17	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
4294-4310	1400 Gal 15% acid

RECEIVED

APR 12 2005

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
9-14-04	9-27-04	24	<input type="checkbox"/>	33	6	80			
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"/>						

ACCEPTED FOR RECORD

APR 11 2005

ALEXIS C. SWOBODA  
PETROLEUM ENGINEER

(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	Thg 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	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.)

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.

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
T. Salt	1048				
B. Salt	1242				
T. Yates	1568				
T. Queen	2967				
T. San Andres	3078				
T Delaware Sand	3592				

## 31. Formation (Log) Markers

## 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

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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

REVISED

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

5. Lease Serial No.  
V-1576 State

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 990 FSL 330 FWL UL:M

At top prod. interval reported below SAME

At total depth SAME

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 #922

9. API Well No.

30-015-26074 S1

10. Field and Pool, or Exploratory

PARKWAY DELAWARE UNIT

11. Sec., T., R., M., on Block and Survey  
or Area SEC 36-T19S-R29E

12. County or Parish

EDDY

13. State

NM

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

3329' GR

14. Date Spudded

5-2-89

15. Date T.D. Reached

5-15-89

16. Date Completed

☐ D&A ☒ Ready to Prod.

1-6-05

18. Total Depth: MD 5000  
TVD

19. Plug Back T.D.: MD 4492  
TVD

20. Depth Bridge Plug Set: MD  
TVD

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

Gamma Ray Gun/CCL Correlation Log

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
17 1/2"	11 3/4"	47	0	365'		715 sx		0	
9 1/2"	7"	23	0	3185'		2135 sx cir		0	
6 1/4"	4 1/2"	10 1/2	0	5000'		580 sx circ		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)
2 3/8"	4295							

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Delaware A & B			4059-4065; 4075-4083; 4121-4126	.4		Open
B)			4130-4140; 4158-4168; 4169-4183	.4		Open
C)						
D)						

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

Depth Interval	Amount and Type of Material
4059-4065	2000 gal 15% HCl
4121-4168	6000 gal 15% HCl

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
1-6-05	1-21-05	24	<input type="checkbox"/>	5	3	14			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

APR 11 2005

ALEXIS C. SWOBODA  
PETROLEUM ENGINEER

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production <input type="checkbox"/>	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate <input type="checkbox"/>	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production <input type="checkbox"/>	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate <input type="checkbox"/>	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 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
T. Anhy	800				
T. Salt	997				
B. Salt	1220				
T. Yates	1456				
T. 7 Rivers	1620				
T. San Andres	2700				
T Delaware Sand	3623				

## 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 3-21-05

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.



STATE OF NEW MEXICO

**ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION

ARTESIA DISTRICT OFFICE

September 11, 1989

GARREY CARRUTHERS  
GOVERNOR

P.O. DRAWER DD  
ARTESIA, NEW MEXICO 88210  
(505) 748-1283

Santa Fe Energy Operating Partners, L.P.  
500 W. Illinois, Suite 500  
Midland, TX 79701

Re: Parkway 36 State #5  
Sec. 36, T-19S, R-29E

Gentlemen:

One hundred eighty days have elapsed since approval of Division form C-101, Application for Permit to Drill, for the subject well. To date no progress reports, forms C-103 have been received.

Therefore, Division approval of form C-101 has now expired and no drilling operations are to be initiated or continued without further notice to and approval by the Division. Pending such approval, this will be considered an abandoned location.

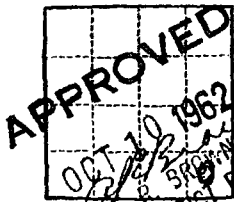
Very truly yours,

A handwritten signature in cursive script, appearing to read "Mike Williams".

Mike Williams  
Supervisor, District II

MW/cw

Post ID-2  
9-15-89  
Exp. Int.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office

Lease No. NM 01523-D

Unit P

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	X
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		
Final Report On Plugged Well X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 8, 1962

Pan American  
Well No. 1 is located 330 ft. from {N} line and 330 ft. from {E} line of sec. 34Sec. 34 19-S 29-E N.M.P.M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Midland Eddy New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3321 ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding, robbing, and other work; and all other important proposed work)

## PLUGGING INFORMATION

Filled Hole with pit mud from 1483-1555  
Hole was filled with Ready Mix concrete from 212-1483  
Used collar buster and knocked off 8 5/8" casing 8.125  
Pulled 129' of 8 5/8" surface casing  
Hole was filled with pit mud from 20-212  
Regulation Marker and 20' cement plug was set at surface

Location has been cleaned and is now ready for final inspection

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company James L. Lamb, Jr.

Address Box 5305

Midland, Texas

By

Title

Owner

Signed James J. Jones Title Owner

Date September 28, 1962

The summary on this page is for the condition of the well at above date.

Commenced drilling August 31, 1962, 19... Finished drilling September 15, 1962, 19...

### OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

### IMPORTANT WATER SANDS

No. 1, from 160 to 170 No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

### CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8 5/8"	24#	8rd		392'	Texas	129' to Sur.			

### MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	392'	50	Pump Truck		

### PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

### SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

### TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from Surface feet to 1555' feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

### DATES

September 15, 1962 Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was P&A barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

### EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

### FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0 416	416 1137	416 721	Redbeds, Sand & Gravel Salt

September 12

ES

BSV

### HISTORY OF OIL OR GAS WELL

16-43094-1 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Well was spudded: August 31, 1962

Encountered water sand: 160-170

Bailed 4 bailers per hour

Ran 392' of 8 5/8" casing and cemented with 50 sacks

Slight Show Oil & Gas 1391-1404

Bailed 3 gallons water with slight

ISO

IAO

scum oil on 2 hour test

Slight Show Oil & Gas 1442-1555

Bailed 16 1/2 gallons salt water per

hour on 2 hour test

Bailed 16 1/2 gallons salt water per hour @ 1467

Bailed 14 1/2 gallons salt water per hour @ 1510

Reached Total Depth of 1555' on September 15, 1962

Well was plugged and abandoned on September 20, 1962

Plugging Information

Filled hole with pit mud from 1485-1555

Hole was filled with Ready Mix Concrete from 212-1485

Used Collar Buster and knocked off 8 5/8" casing @ 129'

Pulled 129' of 8 5/8" surface casing

CMUSL

Hole was filled with pit mud from 20'-212'

Regulation marker and 10 sack cement plug was set at surface

RECEIVED

FEB 15 1991

O. C. D.  
ARTESIA OFFICE

February 7, 1991

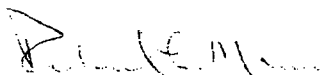
Slate Oil & Gas Corporation  
P. O. Box 2523  
Roswell, NM 88202-2523

Gentlemen:

Your Application for Permit to Drill, Deepen or Plug Back (APD) for the Osage Federal No. 11 and No. 12, Lease No. NM-24160, Section 34 T. 19 S., R. 29 E., have been cancelled.

The APD is considered expired if drilling activity has not commenced within one year after approval. Should you desire to drill this well at a later date, you will be required to re-submit the proper forms for approval.

Sincerely,



Richard L. Manus  
Area Manager

cc: RDO  
NMOCD (Artesia/Hobbs)

Per ID-2  
2-23-91  
Exp Int



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U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

SEP 22 1981

30-015-23727

Form C-101  
Revised 1-1-85

5A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.
B-9739-15

AMENDED G. C. D.  
Location ARTESIA, OFFICE

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name State HL - 2	
2. Name of Operator Tenneco Oil Company		9. Well No. 1	
3. Address of Operator 6800 Park Ten Blvd., Suite 200 North, San Antonio, TX 78213		10. Field and Pool, or Wildcat Und. Trukey Track Morrow	
4. Location of Well UNIT LETTER <u>F #</u> LOCATED <u>1980</u> FEET FROM THE <u>West</u> LINE AND <u>1980</u> FEET FROM THE <u>North</u> LINE OF SEC. <u>2</u> TWP. <u>19</u> RGE. <u>29</u> NMPM		12. County Eddy	
19. Proposed Depth 11,700'		19A. Formation Morrow	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 3392.4 GL	
21A. Kind & Status Plug. Bond Blanket #248-074		21B. Drilling Contractor Parker #34	
22. Approx. Date Work will start October 1, 1981			

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13 3/8"	48# H-40	300'	305 SXS	Circulated
12 1/4"	9 5/8"	32# K-55	2800'	767 SXS	Circulated
8 1/2"	5 1/2"	17# N-80	11700'	823 SXS	Top at 8000'

1. Drill 17-1/2" hole and set 13 3/8" surface casing to 300' +/- Drill w/FW spud mud and cement w/good returns.
2. Log BOP checks in daily drill report. Drill 12 1/4" hole to 2800' +/- w/10 ppg brine. Run 9 5/8" csg to 2800' +/- and cement to surface with 700+ sxs of Class "C".
3. Drill 8 1/2" hole to 9180'. Possible DST in Wolfcamp carbonate + 9400'. Increase mud weight to 8.8 - 9.0 w/cut brine. "Mud-up" system as required by hole conditions. Increase mud weight with 10# brine as needed while continuing 8 1/2" hole to top of the Atoka at approximately 10500'.
4. Possible DST's in Atoka sand + 10800' and Upper Morrow sand at + 11270'.
5. Continue drilling 8 1/2" hole to TD at 11700'. Control water loss at 10cc and keep KCL at 5% to protect the Morrow formation (estimated top of Morrow at 11100').
6. Log in accordance with Geological Prognosis and subsequent instructions.
7. Run 5 1/2" production string or P&A.
8. Gas is not dedicated.

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 3-22-82  
UNLESS DRILLING UNDERWAY

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed  Anita Gray  Title  Production Analyst  Date  September 18, 1981 

(This space for State Use)

APPROVED BY  W. A. Gressitt  TITLE  SUPERVISOR, DISTRICT II  DATE  SEP 23 1981 

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., 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 and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103  
Revised March 25, 1999

WELL API NO.  
30-015-25000

5. Indicate Type of Lease  
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.  
B-7717

7. Lease Name or Unit Agreement Name

Tenneco State

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH  
PROPOSALS.)

1. Type of Well:  
Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator  
Melvin or Kathleen Turnbow

3. Address of Operator  
1724 W. 18<sup>th</sup> Portales, NM 88130

4. Well Location

Unit Letter C : 495 feet from the North line and 2,310' West line

Section 2

Township 19S

Range 29E

NMPM Eddy

County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3,414' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Return well to production.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Jim W. Pierce TITLE Agent DATE June 1, 1998

Type or print name Jim Pierce

Telephone No. (505) 622-7246

(This space for State use)

APPROVED BY Jim W. Pierce SUPERVISOR, DISTRICT II

Conditions of approval, if any:

SEP 21 2001  
DATE



STATE OF NEW MEXICO  
**ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT**

GARREY CARRUTHERS  
GOVERNOR

OIL CONSERVATION DIVISION  
ARTESIA DISTRICT OFFICE

P.O. DRAWER DD  
ARTESIA, NEW MEXICO 88210  
(505) 748-1283

September 23, 1988

Fred Pool Drilling, Inc.  
P.O. Box 1393  
Roswell, NM 88201

PJ "A" State #10  
2-19S-29E  
Und. Turkey Track SR-Q-G-SA

Gentlemen:

One hundred eighty days have elapsed since approval of Division form C-101, Application for Permit to Drill, for the subject well. To date no progress reports, forms C-103 have been received.

Therefore, Division approval of form C-101 has now expired and no drilling operations are to be initiated or continued without further notice to and approval by the Division. Pending such approval, this will be considered an abandoned location.

Very truly yours,

*Mike Williams*  
Mike Williams  
Supervisor, District II

MW/cw

*Post ID-2  
10-14-88  
Exp. Int.*

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W Grand Ave., 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 and Natural Resources

MAR 20 2009

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-015-26444
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name EASTLAND QUEEN UNIT
8. Well Number 8
9. OGRID Number 1903
10. Pool name or Wildcat TURKEY TRACK; 7RVRS-QU-GB-SA

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH  
PROPOSALS)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator  
BEACH EXPLORATION, INC.

3. Address of Operator  
800 NORTH MARIENFELD, SUITE 200, MIDLAND, TX 79701

4. Well Location

Unit Letter H; 2,310 feet from the NORTH line and 330 feet from the EAST line  
Section 2 Township 19S Range 29E NMPM EDDY County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: **CONVERTED TO INJECTION** ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Work Completed - EQU #8

08/26/08 Pulled and laid down rods, pump and 2 3/8" tbg. 2770' of tbg. No CIBP's in well. Well is pumping from the Grayburg.  
Ran 4 3/4" bit & scraper to 2775'. Set 5 1/2" CIBP on WL at 1900'. Tested CIBP to 1200 psi  
08/27/08 Spotted 25sx Class C cmt at 1766'. Hesitation sqz'd 7 Rvrs perms (1626'-1736') but cmt started going away  
08/28/08 Tagged sqz cmt at 1702'. Spotted 25sx Class C cmt at 1700'. Hesitation sqz'd 7 Rvrs perms (1626'-1736') to 600 psi  
09/03/08 Drid sqz cmt w/4 3/4" bit from 1485' to 1770'. Pressure tested sqz to 505 psi. Drid CIBP at 1900'.  
Pushed CIBP to 2770' (CIBP's at 2350' and 2580' were not present)  
09/04/08 Set CIBP on WL at 2380' and dump bailed 15' cmt on top (PBTD 2365'). Pressure tested CIBP to 1300 psi  
Laid down work string. SI well.  
09/18/08 Took 2 3/8" tbg into CLS (Odessa) to be lined w/fiberglass.  
11/18/08 Ran 5 1/2" PC AD-1 Tension pkr, PC SN, and 70 jts of Glassbore tbg Pkr at 2221'. Queen perms (2244'-2294')  
Flushed backside w/38 bbl pkr fluid, set pkr, loaded backside w/24 bbl of pkr fluid and pressure tested to 500 psi

02/27/09 MIT witnessed by Richard Inge. Well passed. Copy of the Chart attached.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Jack M. Rose TITLE Engineer DATE March 12, 2009  
Type or print name Jack M. Rose E-mail address: bmartin@beachexp.com Telephone No. (432) 683-6226  
For State Use Only

APPROVED BY: Richard Inge TITLE COMPLIANCE OFFICER DATE 3/24/09  
Conditions of Approval (if any):

**ST MARY LAND & EXPLORATION CO**  
**PARKWAY DELAWARE UNIT**  
1/2 Mile Radius Review

**St. Mary Parkway Delaware Unit Well #206 API 30-015-34128 Radius**

Operator	Lease/Well	API	Location	Date Drilled	TD	Status
Yates Petroleum Co	Sober-Bez Federal #1	30-015-34334	J-35-20S-29E; 1980' FSL & 1980' FEL	10/22/2005	12,500	Producing
Emmett D White	Federal Hargrave White #1	30-015-03617	H-35-19S-29E; 660' FNL & 660' FEL	11/24/1959	1,688	P&A
Union Oil Company of California	Federal Walter #1-35	30-015-03619	D-35-19S-29E; 660' FNL & 660' FWL	11/21/1955	6,010	P&A
St Mary Land & Exploration Co	Parkway Delaware Unit #501	30-015-25960	J-35-19S-29E; 1980' FSL & 1980' FEL	7/18/1988	5,910	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #401	30-015-25985	F-35-19S-29E; 1980' FNL & 1980' FWL	9/16/1988	5,800	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #301	30-015-26005	G-35-19S-29E; 1980' FNL & 1980' FEL	11/16/1988	5,000	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #302	30-015-26006	E-35-19S-29E; 2230' FNL & 660' FWL	11/15/1988	5,000	TA
St Mary Land & Exploration Co	Parkway Delaware Unit #702	30-015-26026	H-35-19S-29E; 1980' FNL & 990' FEL	3/9/1989	4,549	Producing
Siete Oil & Gas Corporation	Renegade Federal #4	30-015-26050	F-35-19S-29E; 1980' FNL & 2094' FWL	2/21/1990	--	Never Drilled
St Mary Land & Exploration Co	Osage Federal #7	30-015-26051	K-35-19S-29E; 1980' FSL & 2080' FWL	1/25/1989	1,705	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #201	30-015-26063	C-35-19S-29E; 990' FNL & 2310' FWL	4/13/1989	4,550	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #203	30-015-26079	A-35-19S-29E; 890' FNL & 990' FEL	3/22/1989	4,550	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #202	30-015-26083	B-35-19S-29E; 990' FNL & 1980' FEL	4/3/1989	4,550	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #204	30-015-26143	D-35-19S-29E; 990' FNL & 940' FWL	7/13/1989	4,550	Active Injector
Southland Royalty Company	Apache A Federal #5	30-015-26291	D-35-19S-29E; 890' FNL & 840' FWL	1/23/1990	1,540	P&A
St Mary Land & Exploration Co	Parkway Delaware Unit #303	30-015-27445	F-35-19S-29E; 1420' FNL & 2500' FWL	5/17/1993	4,800	Active Injector
St Mary Land & Exploration Co	Parkway Delaware Unit #506	30-015-27464	J-35-19S-29E; 2635' FSL & 2640' FEL	6/6/1993	4,750	Active Injector
Siete Oil & Gas Corporation	Parkway Delaware Unit #509	30-015-28136	J-35-19S-29E; 2630' FSL & 1485' FEL	7/21/1994	--	Never Drilled

Operator	Lease/Well	API	Location	Date Drilled	TD	Status
St Mary Land & Exploration Co	Parkway Delaware Unit #304	30-015-29503	G-35-19S-29E; 1485' FNL & 1485' FEL	4/22/1997	4,430	Active Injector
St Mary Land & Exploration Co	Parkway Delaware Unit #507	30-015-29504	G-35-19S-29E; 2628' FNL & 1485' FEL	4/6/1997	4,400	Active Injector
St Mary Land & Exploration Co	Parkway Delaware Unit #205	30-015-30026	H-35-19S-29E; 1330' FNL & 180' FEL	2/16/1998	4,400	Active Injector
St Mary Land & Exploration Co	Parkway Delaware Unit #703	30-015-30027	I-35-19S-29E; 2610' FSL & 430' FEL	2/5/1998	4,400	Active Injector
St Mary Land & Exploration Co	Parkway Delaware Unit #305	30-015-33071	G-35-19S-29E; 2000' FNL & 1564' FEL	11/12/2003	4,550	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #510	30-015-33072	J-35-19S-29E; 1870' FSL & 1480' FEL	11/28/2003	4,553	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #511	30-015-33073	J-35-19S-29E; 2570' FSL & 2225' FEL	10/27/2003	4,550	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #705	30-015-33136	H-35-19S-29E; 2520' FNL & 990' FEL	12/10/2003	4,540	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #306	30-015-33711	G-35-19S-29E; 2090' FNL & 2430' FEL	11/17/2004	4,620	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #512	30-015-33713	K-35-19S-29E; 2615' FSL & 1980' FWL	1/7/2005	2,326	P&A
St Mary Land & Exploration Co	Parkway Delaware Unit #512Y	30-015-33998	K-35-19S-29E; 2615' FSL & 1945' FWL	4/17/2005	4,600	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #513	30-015-33714	J-35-19S-29E; 1700' FSL & 2630' FEL	3/29/2005	4,718	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #307	30-015-33712	G-35-19S-29E; 1560' FNL & 2060' FEL	1/6/2005	2,230	P&A
St Mary Land & Exploration Co	Parkway Delaware Unit #307Y	30-015-33997	G-35-19S-29E; 1500' FNL & 2060' FEL	4/29/2005	4,600	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #207	30-015-34121	B-35-19S-29E; 995' FNL & 1461' FEL	5/23/2005	4,590	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #402	30-015-34129	F-35-19S-29E; 1437' FNL & 1986' FWL	6/9/2005	4,600	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #706	30-015-34408	H-35-19S-29E; 1980' FNL & 430' FEL	1/2/2006	4,600	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #208	30-015-34433	H-35-19S-29E; 1438' FNL & 969' FEL	12/7/2005	4,580	Producing
Mewbourne Oil Company	Petco State #1	30-015-20328	P-26-19S-29E; 760' FSL & 660' FEL	1/17/1989	9,000	Producing
The Petroleum Corporation	Petco State Com #2	30-015-20440	N-26-19S-29E; 660' FSL & 1980' FWL	5/24/1971	10,685	P&A
St Mary Land & Exploration Co	Parkway Delaware Unit #101	30-015-26112	O-26-19S-29E; 330' FSL & 1980' FEL	6/27/1989	4,730	Producing
Mewbourne Oil Company	Petco State #3	30-015-26113	N-26-19S-29E; 330' FSL & 1980' FWL	12/6/1989	4,740	Producing

Operator	Lease/Well	API	Location	Date Drilled	TD	Status
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**St. Mary Parkway Delaware Unit Well #306 API 30-015-33711 Radius**

Union Oil Company of California	Federal Walter #1-35	30-015-03619	D-35-19S-29E; 660' FNL & 660' FWL	11/21/1955	6,010	P&A
St Mary Land & Exploration Co	Parkway Delaware Unit #502	30-015-25984	K-35-19S-29E; 1980' FSL & 1980' FWL	10/2/1988	5,000	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #401	30-015-25985	F-35-19S-29E; 1980' FNL & 1980' FWL	9/16/1988	5,800	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #301	30-015-26005	G-35-19S-29E; 1980' FNL & 1980' FEL	11/16/1988	5,000	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #302	30-015-26006	E-35-19S-29E; 2230' FNL & 660' FWL	11/15/1988	5,000	TA
St Mary Land & Exploration Co	Parkway Delaware Unit #702	30-015-26026	H-35-19S-29E; 1980' FNL & 990' FEL	3/9/1989	4,549	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #504	30-015-26028	N-35-19S-29E; 660' FSL & 1980' FWL	12/1/1988	5,000	Producing
Site Oil & Gas Corporation	Renegade Federal #4	30-015-26050	F-35-19S-29E; 1980' FNL & 2094' FWL	2/21/1990	--	Never Drilled
St Mary Land & Exploration Co	Osage Federal #7	30-015-26051	K-35-19S-29E; 1980' FSL & 2080' FWL	1/25/1989	1,705	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #201	30-015-26063	C-35-19S-29E; 990' FNL & 2310' FWL	4/13/1989	4,550	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #203	30-015-26079	A-35-19S-29E; 890' FNL & 990' FEL	3/22/1989	4,550	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #202	30-015-26083	B-35-19S-29E; 990' FNL & 1980' FEL	4/3/1989	4,550	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #204	30-015-26143	D-35-19S-29E; 990' FNL & 940' FWL	7/13/1989	4,550	Active Injector
Southland Royalty Company	Apache A Federal #5	30-015-26291	D-35-19S-29E; 890' FNL & 840' FWL	1/23/1990	1,540	P&A
St Mary Land & Exploration Co	Parkway Delaware Unit #303	30-015-27445	F-35-19S-29E; 1420' FNL & 2500' FWL	5/17/1993	4,800	Active Injector
St Mary Land & Exploration Co	Parkway Delaware Unit #506	30-015-27464	J-35-19S-29E; 2635' FSL & 2640' FEL	6/6/1993	4,750	Active Injector
St Mary Land & Exploration Co	Parkway Delaware Unit #304	30-015-29503	G-35-19S-29E; 1485' FNL & 1485' FEL	4/22/1997	4,430	Active Injector
St Mary Land & Exploration Co	Parkway Delaware Unit #507	30-015-29504	G-35-19S-29E; 2628' FNL & 1485' FEL	4/6/1997	4,400	Active Injector
St Mary Land & Exploration Co	Parkway Delaware Unit #205	30-015-30026	H-35-19S-29E; 1330' FNL & 180' FEL	2/16/1998	4,400	Active Injector
St Mary Land & Exploration Co	Parkway Delaware Unit #508	30-015-30029	J-35-19S-29E; 1350' FSL & 2520' FEL	1/1/1998	4,400	Active Injector
Site Oil & Gas Corporation	Parkway Delaware Unit #509	30-015-28136	J-35-19S-29E; 2630' FSL & 1485' FEL	7/21/1994	--	Never Drilled

Operator	Lease/Well	API	Location	Date Drilled	TD	Status
St Mary Land & Exploration Co	Parkway Delaware Unit #305	30-015-33071	G-35-19S-29E; 2000' FNL & 1564' FEL	11/12/2003	4,550	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #510	30-015-33072	J-35-19S-29E; 1870' FSL & 1480' FEL	11/28/2003	4,553	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #511	30-015-33073	J-35-19S-29E; 2570' FSL & 2225' FEL	10/27/2003	4,550	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #705	30-015-33136	H-35-19S-29E; 2520' FNL & 990' FEL	12/10/2003	4,540	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #306	30-015-33711	G-35-19S-29E; 2090' FNL & 2430' FEL	11/17/2004	4,620	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #512	30-015-33713	K-35-19S-29E; 2615' FSL & 1980' FWL	1/7/2005	2,326	P&A
St Mary Land & Exploration Co	Parkway Delaware Unit #512Y	30-015-33998	K-35-19S-29E; 2615' FSL & 1945' FWL	4/17/2005	4,600	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #513	30-015-33714	J-35-19S-29E; 1700' FSL & 2630' FEL	3/29/2005	4,718	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #307	30-015-33712	G-35-19S-29E; 1560' FNL & 2060' FEL	1/6/2005	2,230	P&A
St Mary Land & Exploration Co	Parkway Delaware Unit #307Y	30-015-33997	G-35-19S-29E; 1500' FNL & 2060' FEL	4/29/2005	4,600	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #207	30-015-34121	B-35-19S-29E; 995' FNL & 1461' FEL	5/23/2005	4,590	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #206	30-015-34128	B-35-19S-29E; 1000' FNL & 2452' FEL	10/31/2005	4,600	TA
St Mary Land & Exploration Co	Parkway Delaware Unit #402	30-015-34129	F-35-19S-29E; 1437' FNL & 1986' FWL	6/9/2005	4,600	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #514	30-015-34130	O-35-19S-29E; 1210' FSL & 2065' FEL	11/21/2005	4,607	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #515	30-015-34407	K-35-19S-29E; 1300' FSL & 1675' FWL	2/7/2006	4,600	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #208	30-015-34433	H-35-19S-29E; 1438' FNL & 969' FEL	12/7/2005	4,580	Producing
The Petroleum Corporation	Petco State Com #2	30-015-20440	N-26-19S-29E; 660' FSL & 1980' FWL	5/24/1971	10,685	P&A
Mewbourne Oil Company	Petco State #3	30-015-26113	N-26-19S-29E; 330' FSL & 1980' FWL	12/6/1989	4,740	Producing
St Mary Land & Exploration Co	Osage Federal #10	30-015-26178	H-34-19S-29E; 1980' FNL & 660' FEL	9/15/1989	9,500	Producing

**St. Mary Parkway Delaware Unit Well #513 API 30-015-33714 Radius**

St Mary Land & Exploration Co	Parkway 36 State #1	30-015-25671	F-36-19S-29E; 1980' FNL & 1980' FWL	12/3/1986	12,100	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #921	30-015-26070	L-36-19S-29E; 1980' FSL & 330' FWL	3/10/1989	5,000	Producing



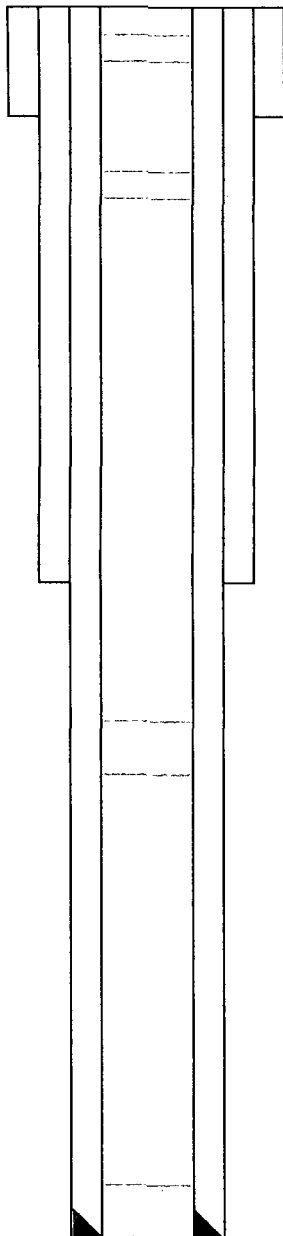
Operator	Lease/Well	API	Location	Date Drilled	TD	Status
St Mary Land & Exploration Co	Parkway Delaware Unit #922	30-015-26074	M-36-19S-29E; 990' FSL & 330' FWL	3/10/1989	5,000	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #923	30-015-26075	K-36-19S-29E; 1980' FSL & 1650' FWL	7/26/1989	5,000	Producing
Santa Fe Energy Operating Partners LP	Parkway 36 State #5	30-015-26076	N-36-19S-29E; 990' FSL & 1650' FWL	2/1/1989	--	Never Drilled
St Mary Land & Exploration Co	Parkway Delaware Unit #901	30-015-26077	E-36-19S-29E; 1980' FNL & 330' FWL	5/11/1989	4,790	Producing
James L Lamb Jr	Pan American #1	30-015-03615	P-34-19S-29E; 330' FSL & 330' FEL	8/31/1962	1,555	P&A
Stete Oil & Gas Corporation	Osage Federal #11	30-015-26188	I-34-19S-29E; 2030' FSL & 660' FEL	8/1/1989	--	Never Drilled
Stete Oil & Gas Corporation	Osage Federal #12	30-015-26201	A-34-19S-29E; 990' FNL & 990' FEL	8/1/1989	--	Never Drilled
Tenneco Oil Company	State HL-2 #1	30-015-23727	F-2-19S-29E; 1980' FNL & 1980' FWL	9/1/1981	--	Never Drilled
Jim Pierce	Tenneco State #1	30-015-24904	D-2-19S-29E; 990' FNL & 330' FWL	7/24/1984	3,535	Producing
Jim Pierce	Tenneco State #2	30-015-25000	C-2-19S-29E; 495' FNL & 2310' FWL	9/11/1984	3,500	Producing
Robinson Oil Inc	State HL-2 #2	30-015-25070	E-2-19S-29E; 1650' FNL & 330' FWL	11/9/1984	3,298	Producing
Fred Pool Drilling Inc	PJ "A" State #10	30-015-25886	A-2-19S-29E; 990' FNL & 990' FEL	9/1/1988	--	Never Drilled
Beach Exploration Inc	Eastland Queen Unit #8	30-015-26444	H-2-19S-29E; 2310' FNL & 330' FEL	8/19/1990	3,100	Active Injector
Yates Petroleum Co	Sober-Bez Federal #1	30-015-34334	J-35-20S-29E; 1980' FSL & 1980' FEL	10/22/2005	12,500	Producing
Emmett D White	Federal Hargrave White #1	30-015-03617	H-35-19S-29E; 660' FNL & 660' FEL	11/24/1959	1,688	P&A
Union Oil Company of California	Federal Walter #1-35	30-015-03619	D-35-19S-29E; 660' FNL & 660' FWL	11/21/1955	6,010	P&A
St Mary Land & Exploration Co	Parkway Delaware Unit #501	30-015-25960	J-35-19S-29E; 1980' FSL & 1980' FEL	7/18/1988	5,910	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #401	30-015-25985	F-35-19S-29E; 1980' FNL & 1980' FWL	9/16/1988	5,800	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #301	30-015-26005	G-35-19S-29E; 1980' FNL & 1980' FEL	11/16/1988	5,000	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #302	30-015-26006	E-35-19S-29E; 2230' FNL & 660' FWL	11/15/1988	5,000	TA
St Mary Land & Exploration Co	Parkway Delaware Unit #702	30-015-26026	H-35-19S-29E; 1980' FNL & 990' FEL	3/9/1989	4,549	Producing
Stete Oil & Gas Corporation	Renegade Federal #4	30-015-26050	F-35-19S-29E; 1980' FNL & 2094' FWL	2/21/1990	--	Never Drilled

Operator	Lease/Well	API	Location	Date Drilled	TD	Status
St Mary Land & Exploration Co	Osage Federal # 7	30-015-26051	K-35-19S-29E; 1980' FSL & 2080' FWL	1/25/1989	1,705	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #201	30-015-26063	C-35-19S-29E; 990' FNL & 2310' FWL	4/13/1989	4,550	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #203	30-015-26079	A-35-19S-29E; 890' FNL & 990' FEL	3/22/1989	4,550	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #202	30-015-26083	B-35-19S-29E; 990' FNL & 1980' FEL	4/3/1989	4,550	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #204	30-015-26143	D-35-19S-29E; 990' FNL & 940' FWL	7/13/1989	4,550	Active Injector
Southland Royalty Company	Apache A Federal #5	30-015-26291	D-35-19S-29E; 890' FNL & 840' FWL	1/23/1990	1,540	P&A
St Mary Land & Exploration Co	Parkway Delaware Unit #303	30-015-27445	F-35-19S-29E; 1420' FNL & 2500' FWL	5/17/1993	4,800	Active Injector
St Mary Land & Exploration Co	Parkway Delaware Unit #506	30-015-27464	J-35-19S-29E; 2635' FSL & 2640' FEL	6/6/1993	4,750	Active Injector
Siete Oil & Gas Corporation	Parkway Delaware Unit #509	30-015-28136	J-35-19S-29E; 2630' FSL & 1485' FEL	7/21/1994	--	Never Drilled
St Mary Land & Exploration Co	Parkway Delaware Unit #304	30-015-29503	G-35-19S-29E; 1485' FNL & 1485' FEL	4/22/1997	4,430	Active Injector
St Mary Land & Exploration Co	Parkway Delaware Unit #507	30-015-29504	G-35-19S-29E; 2628' FNL & 1485' FEL	4/6/1997	4,400	Active Injector
St Mary Land & Exploration Co	Parkway Delaware Unit #205	30-015-30026	H-35-19S-29E; 1330' FNL & 180' FEL	2/16/1998	4,400	Active Injector
St Mary Land & Exploration Co	Parkway Delaware Unit #703	30-015-30027	I-35-19S-29E; 2610' FSL & 430' FEL	2/5/1998	4,400	Active Injector
St Mary Land & Exploration Co	Parkway Delaware Unit #305	30-015-33071	G-35-19S-29E; 2000' FNL & 1564' FEL	11/12/2003	4,550	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #510	30-015-33072	J-35-19S-29E; 1870' FSL & 1480' FEL	11/28/2003	4,553	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #511	30-015-33073	J-35-19S-29E; 2570' FSL & 2225' FEL	10/27/2003	4,550	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #705	30-015-33136	H-35-19S-29E; 2520' FNL & 990' FEL	12/10/2003	4,540	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #306	30-015-33711	G-35-19S-29E; 2090' FNL & 2430' FEL	11/17/2004	4,620	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #512	30-015-33713	K-35-19S-29E; 2615' FSL & 1980' FWL	1/7/2005	2,326	P&A
St Mary Land & Exploration Co	Parkway Delaware Unit #512Y	30-015-33998	K-35-19S-29E; 2615' FSL & 1945' FWL	4/17/2005	4,600	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #513	30-015-33714	J-35-19S-29E; 1700' FSL & 2630' FEL	3/29/2005	4,718	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #307	30-015-33712	G-35-19S-29E; 1560' FNL & 2060' FEL	1/6/2005	2,230	P&A

Operator	Lease/Well	API	Location	Date Drilled	TD	Status
St Mary Land & Exploration Co	Parkway Delaware Unit #307Y	30-015-33997	G-35-19S-29E; 1500' FNL & 2060' FEL	4/29/2005	4,600	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #207	30-015-34121	B-35-19S-29E; 995' FNL & 1461' FEL	5/23/2005	4,590	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #402	30-015-34129	F-35-19S-29E; 1437' FNL & 1986' FWL	6/9/2005	4,600	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #706	30-015-34408	H-35-19S-29E; 1980' FNL & 430' FEL	1/2/2006	4,600	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #208	30-015-25984	K-35-19S-29E; 1980' FSL & 1980' FWL	10/2/1988	5,000	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #504	30-015-26028	N-35-19S-29E; 660' FSL & 1980' FWL	12/1/1988	5,000	Producing
St Mary Land & Exploration Co	Parkway Delaware Unit #508	30-015-30029	J-35-19S-29E; 1350' FSL & 2520' FEL	1/1/1998	4,400	Active Injector

## WELLBORE SCHEMATIC

Well Name & No.:	Emmitt D White - Federal Hargrave White #1				
Field:	Wildcat				
Location:	660' FNL & 660' FEL, Sec 35, T19S, R29E				
County:	Eddy	State:	NM	API #:	30 015 03617
GR Elev:	3325.0	Spud Date:	11/24/59		
KB:		Compl. Date:	12/09/59		
KB Elev:		P & A Date:	12/11/59		



8 5/8" 28# csg  
Set @ 382'

### WELL HISTORY

11/24/59: Spud

Top of Seven Rivers by log is 1657'  
Encountered strong flow of sulphur water @ 1650'-1688'

Well P&A 12/10/59

Plug #1 - Cmt plug 1638-1688'  
- Mudded 1220-1636'

Plug #2 - Cmt plug 1170-1220'  
- Mudded 450-1170'

Plug #3 - Cmt plug 400-450'  
- Mudded 220-400'

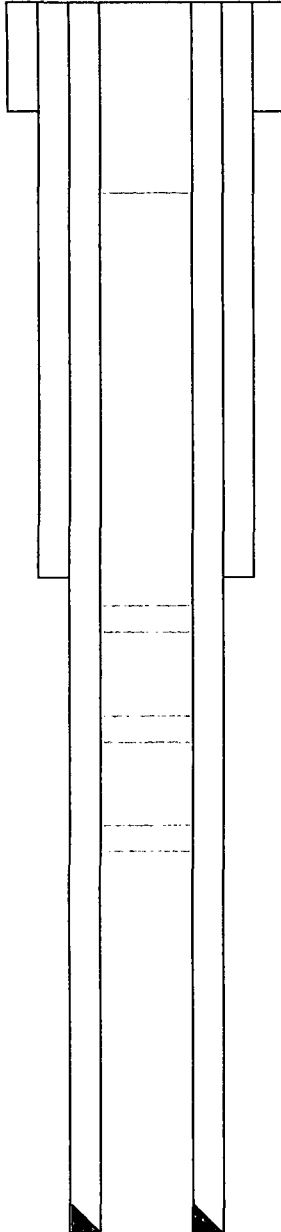
Plug #4 - Cmt plug 125-220'  
- Mudded to surface

\*All info per Sundries on OCD web site

TD: 1688', PBTD:

## WELLBORE SCHEMATIC

Well Name & No.:	Union Oil - Federal Walter #1-35			
Field:	Wildcat			
Location:	660' FNL & 660' FWL, Sec 35, T19S, R29E			
County:	Eddy	State:	NM	API #: 30 015 03619
GR Elev:	3319.0 DF	Spud Date:	11/21/55	
KB:		Compl. Date:	12/27/55	
KB Elev:		P & A Date:	01/10/56	



11 3/4" csg  
Set @ 152.76'

### WELL HISTORY

11/21/55: Spud 7 7/8" hole

Perforated 4612-4629'

Well P&A 1/10/56

Plug #1 - Spotted 25 sx cmt plug 4455-4645'

Plug #2 - Spotted 25 sx cmt plug @ 3205-3355'

Plug #3 - Spotted 25 sx smt plug @ 1130-1260'

Plug #4 - Cmt from surface to 500'

\*All info per Sundries on OCD web site

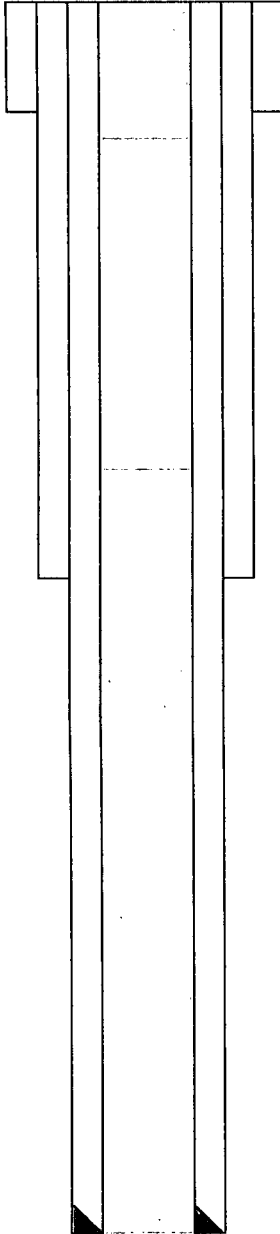
8 5/8" csg  
Set @ 1201.42'

5 1/2" csg  
Set @ 4700.59

TD: 6010', PBTD:

## WELLBORE SCHEMATIC

Well Name & No.:	Southland Royalty - Apache A Federal #5				
Field:	Parkway (Yates)				
Location:	890' FNL & 840' FWL, Sec 35, T19S, R29E				
County:	Eddy	State:	NM	API #:	30 015 26291
GR Elev:	3311.0	Spud Date:	05/02/90		
KB:		Compl. Date:	12/27/55		
KB Elev:		P & A Date:	01/24/91		



### WELL HISTORY

5/2/90: Spud

Well P&A 1/24/91

Plug #1 - Pumped 175 sx Cl "C" w/4% CaCl<sub>2</sub>; tag @ 995'  
(1538-995')

Plug #2 - Pumped 75 sx Cl "C" 2% CaCl<sub>2</sub> 275' - surface

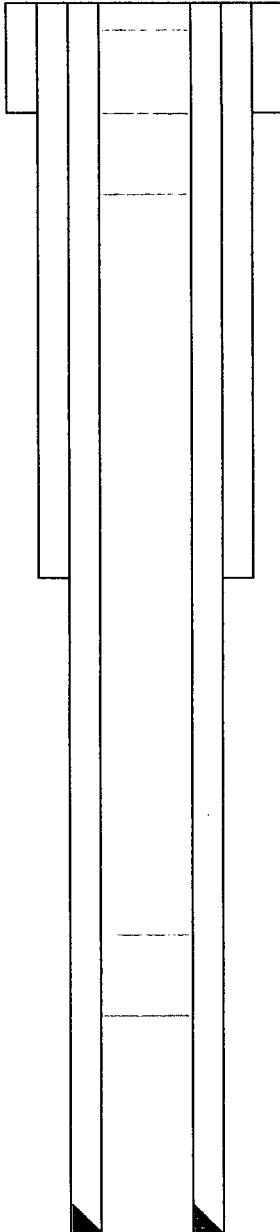
\*All info per Sundries on OCD web site

8 5/8" 24# csg  
Set @ 1470'

TD: 1540', PBTD:

## WELLBORE SCHEMATIC

Well Name & No.:	St Mary L&E - PDU #512		
Field:	Parkway Delaware		
Location:	2615' FSL & 1980' FWL, Sec 35, T19S, R29E		
County:	Eddy	State:	NM
		API #:	30 015 26291
GR Elev:	3308.0	Spud Date:	01/07/05
KB:		Compl. Date:	N/A
KB Elev:		P & A Date:	01/26/05



13 3/8" 48# csg  
Set @ 386'

### WELL HISTORY

1/7/05: Spud 17 1/2" hole

Drld to 2326' & became stuck in Capitan Reef

Well P&A 1/26/05

Plug #1 - 75 sx Premium Plus + 2% Cacl2 @ 1664-1528'

Plug #2 - 150 sx Premium Plus + 2% Cacl2 @ 439-314'

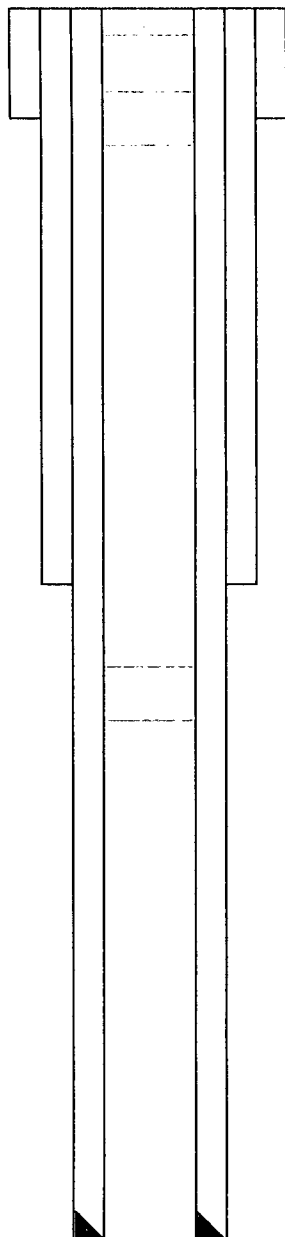
Plug #3 - 60 sx Premium Plus + 2% Cacl2 @ 90'-surface

\*All info per Sundries on OCD web site

TD: 2326', PBTD:

## WELLBORE SCHEMATIC

Well Name & No.:	St Mary L&E - PDU #307				
Field:	Parkway Delaware				
Location:	1560' FNL & 2060' FEL, Sec 35, T19S, R29E				
County:	Eddy	State:	NM	API #:	30 015 26291
GR Elev:	3315.0	Spud Date:	04/29/05		
KB:		Compl. Date:	N/A		
KB Elev:		P & A Date:	01/08/05		



13 3/8" 48# csg  
Set @ 415'

### WELL HISTORY

4/29/05: Spud 12 1/4" hole

Drl'd to 2230' & became stuck in Capitan Reef

Well P&A 1/8/05

Plug #1 - 150 sx Class C + 3% Cacl2 @ 1720-1600'

Plug #2 - 120 sx Class C + 4% Cacl2 @ 450-350'

Plug #3 - 60 sx Class C + 4% Cacl2 @ 60'-surface

\*All info per Sundries on OCD web site

9 5/8" 36# csg  
Set @ 1500"

7" 23# csg  
Set @ 3220"

4 1/2" 10.5# csg  
Set @ 4600"

TD: 4600', PBTD:



## WELLBORE SCHEMATIC

Well Name & No.:	The Petroleum Corp - Petco State Com #2				
Field:	Parkway Wolfcamp				
Location:	660' FSL & 1980' FWL, Sec 26, T19S, R29E				
County:	Eddy	State:	NM	API #:	30 015 26291
GR Elev:	3340.0	Spud Date:	05/24/71		
KB:		Compl. Date:	07/05/71		
KB Elev:		P & A Date:	02/14/72		

### WELL HISTORY

5/24/71: Spud

Perforated 4 1/2" @ 9622-9646' (48 holes)

Well P&A 2/14/72

Set BP @ 9550' & dump 8 sx cmt on top

Plug #1 - Set 50 sx cmt 5505-5405'

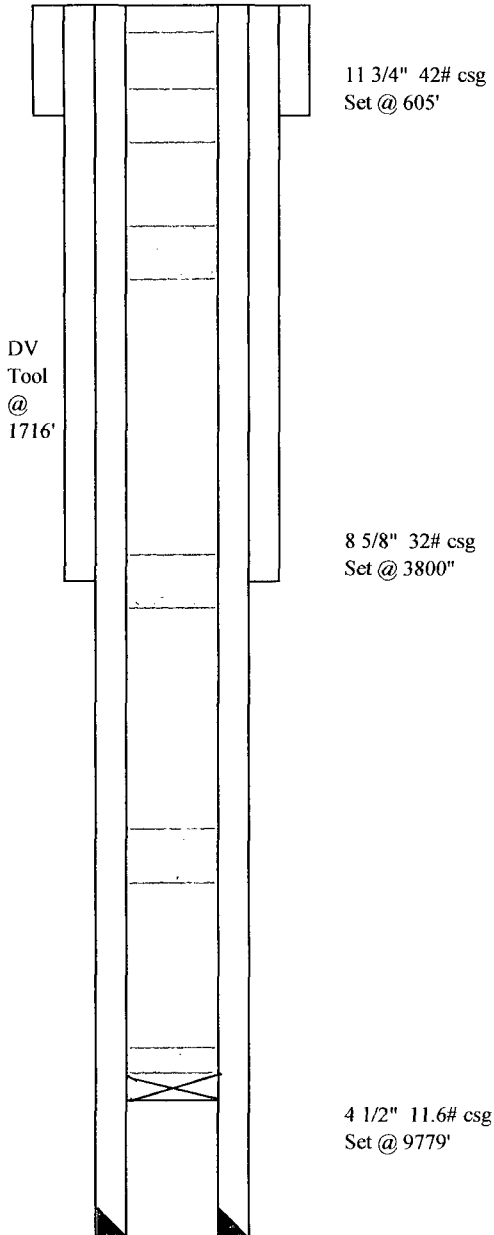
Plug #2 - Set 35 sx cmt 3850-3750'

Plug #3 - Set 35 sx cmt 1072-972'

Plug #4 - Set 35 sx cmt 640-540'

Plug #5 - Set 10 sx cmt plug @ surface

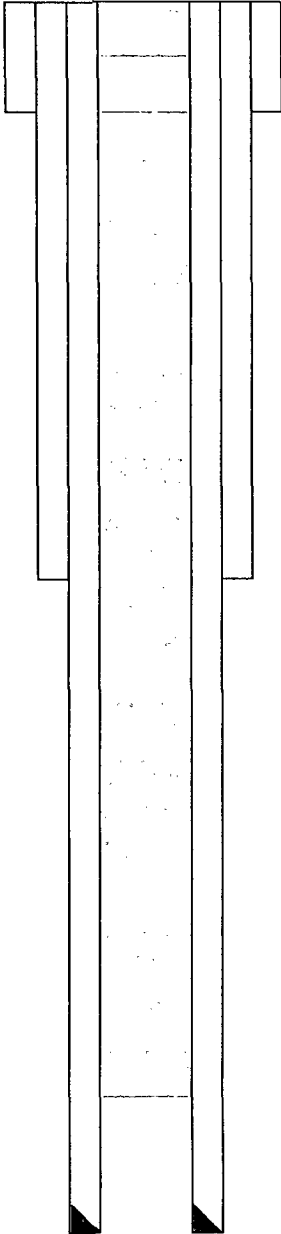
\*All info per Sundries on OCD web site



TD: 10,685', PBTD: 9651'

## WELLBORE SCHEMATIC

Well Name & No.:	James L Lamb - Pan American #1		
Field:	Wildcat		
Location:	330' FSL & 330' FEL, Sec 34, T19S, R29E		
County:	Eddy	State:	NM
GR Elev:	3321.0	API #:	30 015 03615
KB:		Spud Date:	08/31/62
KB Elev:		Compl. Date:	N/A
		P & A Date:	10/08/62



8 5/8" 24# csg  
Set @ 392'

TD: 1555', PBTD:

## WELL HISTORY

8/31/62: Spud

Well P&A 10/8/62  
Filled hole w/pit mud 1485-1555'  
Plug #1 - Filled hole w/Ready Mix Concrete 212-1485"  
Knocked off 8 5/8" csg @ 129'  
Pulled 129' csg  
Hole filled w/pit mud 20-212'  
Plug #2 - 20' cmt plug set @ surface'

\*All info per Sundries on OCD web site



# New Mexico Energy, Minerals and Natural Resources Department

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Governor

**Joanna Prukop**  
Cabinet Secretary  
**Reese Fullerton**  
Deputy Cabinet Secretary

**Mark Fesmire**  
Division Director  
Oil Conservation Division



**Administrative Order PMX-251**  
**September 29, 2008**

APPLICATION OF ST. MARY LAND & EXPLORATION COMPANY TO EXPAND ITS  
PRESSURE MAINTENANCE PROJECT IN THE PARKWAY-DELAWARE POOL IN  
EDDY COUNTY, NEW MEXICO

## ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Division Order R-9822, St. Mary Land & Exploration Company (OGRID No. 154903) has made application to the Division for permission to add additional injection intervals to its Parkway Delaware Unit Well No. 505 in the Parkway Delaware Unit Pressure Maintenance Project located within the Parkway-Delaware Pool (Pool No. 49625) in Eddy County, New Mexico.

### THE DIVISION DIRECTOR FINDS THAT:

The application was filed in due form. No objections have been filed within the waiting period prescribed by Division Rule 701(C). The proposed well(s) are eligible for conversion to injection under the terms of Rule 701. The current operator is in compliance with Rule 40.

The proposed expansion of the above-referenced Pressure Maintenance Project will not cause waste nor impair correlative rights and should be approved.

### IT IS THEREFORE ORDERED THAT:

The operator of the Parkway Delaware Unit Pressure Maintenance Project is hereby authorized to inject water for purposes of secondary recovery into Cherry Canyon member of the Delaware Mountain Group within the unitized interval [see Division Order No R-9821] of the Parkway Delaware Unit in the following-described well. This well shall be equipped with plastic-lined tubing set in a packer located within 100 feet of the top of the actual injection interval. The maximum allowed surface injection pressure is specified below.



**Parkway Delaware Unit Well No. 505 (API No. 30-015-26029)**

1980' FSL, 760' FWL, Unit L, Sec 35, T19S, R29E, NMPM

Approved Injection Interval (Perforated): 4,135 to 4,300 feet

Maximum Surface Injection Pressure = 1,225 psi (Approved August 27, 2003)

**IT IS FURTHER ORDERED THAT:**

The operator shall take all steps necessary to ensure that the injected water enters only the permitted injection interval and is not permitted to escape to other formations or onto the surface.

Prior to commencing injection operations into the well, injection casing shall be pressure tested from the surface to the packer setting depth to assure casing integrity.

The casing-tubing annulus shall openly extend to within 100 feet of the top of the injection interval and shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing or packer.

The injection well or injection system shall be equipped with pressure limiting devices which will limit the wellhead pressure to the maximum surface injection pressure described above.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator that such higher pressure will not result in waste of oil and gas or migration of the injected fluid from the permitted injection interval. Such proper showing shall be accompanied by valid step-rate test(s) run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Division's district office of the date and time of the installation of injection equipment and of all mechanical integrity tests so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Division's district office of any failure of tubing, casing, or packer and shall take such steps as may be timely and necessary to correct such failure or leakage.

The subject well(s) shall be governed by all provisions of Division Order No. R-9822 and Rules 702-706 of the Division Rules and Regulations not inconsistent herewith.

PROVIDED FURTHER THAT, jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh water or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the injection authority granted herein.

The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the subject well, provided however, the Division, upon written request by the operator mailed prior to the one year deadline, may grant an extension thereof for good cause shown.



MARK E. FESMIRE, P.E.  
Director

MEF/wvjj

cc: Oil Conservation Division – Artesia  
Bureau of Land Management - Carlsbad

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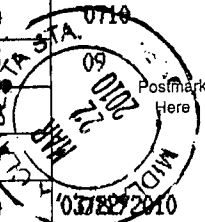
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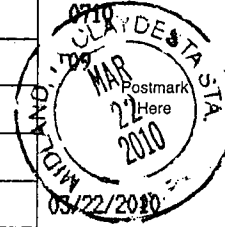
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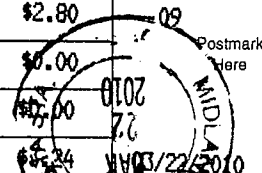
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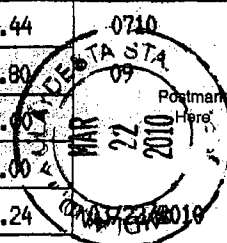
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COMPANY: St. Mary Land & Exploration Company

WELL: Parkway Delaware Unit #206

FIELD: Parkway Delaware

County: Eddy

State: New Mexico

County: Eddy Field: Parkway Delaware Location: 1000' FNL & 2452' FEL Well: Parkway Delaware Unit #206 Company: St. Mary Land & Exploration Co.	LOCATION		<b>Schlumberger</b>		<b>Platform Express</b>	
					<b>Three Detector Litho-Densitometer</b>	
					<b>Compensated Neutron / Gamma Ray</b>	
1000' FNL & 2452' FEL			Elev.: KB. 3328 ft GL. 3316 ft DF. 3327 ft			
Permanent Datum: Ground Level			Elev.: 3316 ft			
Log Measured From: Kelly Bushing			12.0 ft above Perm. Datum			
Drilling Measured From: Kelly Bushing						
API Serial No. 30-015-34128			Section 35	Township 19S	Range 29E	
MUD	Logging Date		14-Nov-2005			
	Run Number		One			
	Depth Driller		4600 ft			
	Schlumberger Depth		4568 ft			
	Bottom Log Interval		4566 ft			
	Top Log Interval		200 ft			
	Casing Driller Size @ Depth		7.000 in @ 3214 ft			
	Casing Schlumberger		3217 ft			
	Bit Size		6.125 in			
	Type Fluid In Hole		Brine			
	Density	Viscosity	9 lbm/gal	40 s		
	Fluid Loss	PH	15 cm3	10		
	Source Of Sample		Circulation Tank			
	RM @ Measured Temperature		0.205 ohm.m @ 60 degF			
	RMF @ Measured Temperature		0.205 ohm.m @ 60 degF			
	RMC @ Measured Temperature		@			
	Source RMF	RMC	Measured			
	RM @ MRT	RMF @ MRT	0.140 @ 91	0.140 @ 91	@	
	Maximum Recorded Temperatures		91 degF			
	Circulation Stopped		Time	13-Nov-2005	22:30	
Logger On Bottom		Time	14-Nov-2005	05:30		
Unit Number	Location	3178	Roswell			
Recorded By		Shawnee Burdick				
Witnessed By		Bob Lynn				



COMPANY: St. Mary Land & Exploration Company

WELL: Parkway Delaware Unit #513

FIELD: Parkway Delaware

County: Eddy

State: New Mexico

County: Eddy  
Field: Parkway Delaware  
Location: 1700' FSL & 2630' FEL  
Well: Parkway Delaware Unit #513  
Company: St. Mary Land & Exploration Co

**Schlumberger**

**Platform Express  
Three Detector Litho-Density  
Compensated Neutron / GR**

LOCATION	1700' FSL & 2630' FEL		Elev.:	K.B.	3327 ft
				G.L.	3313 ft
				D.F.	3326 ft
	Permanent Datum: <u>Ground Level</u>		Elev.:	<u>3313 ft</u>	
	Log Measured From: <u>Kelly Bushing</u>		14.0 ft	above Perm. Datum	
	Drilling Measured From: <u>Kelly Bushing</u>				
API Serial No. 30-015-33714		Section 35	Township 19S	Range 29E	

Logging Date		13-Apr-2005			
Run Number		One			
Depth Driller		4717 ft			
Schlumberger Depth		4725 ft			
Bottom Log Interval		4707 ft			
Top Log Interval		200 ft			
Casing Driller Size @ Depth		7.000 in	@	3195 ft	@
Casing Schlumberger		3195 ft			
Bit Size		6.125 in			
Type Fluid In Hole		Brine/ Salt Gel			
MUD	Density	Viscosity	8.8 lbm/gal	29 s	
	Fluid Loss	PH		10	
	Source Of Sample		Circulation Tank		
	RM @ Measured Temperature		0.142 ohm.m	@	71 degF
RMF @ Measured Temperature		0.142 ohm.m	@	71 degF	@
RMC @ Measured Temperature			@		@
Source RMF	RMC	Measured			
RM @ MRT	RMF @ MRT	0.117 @ 88	0.117 @ 88	@	@
Maximum Recorded Temperatures		88 degF			
Circulation Stopped		Time	12-Apr-2005	6:00	
Logger On Bottom		Time	13-Apr-2005	03:00	
Unit Number		Location		3178	Roswell
Recorded By		Shawnee Burdick			
Witnessed By		Bob Lynn			