

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NMOC-D-ARTESIAFORM 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 79701 (32) 688-1789

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

Sec. 35 - T-19S-R29E
1210 FSL & 1210 FEL

5. Lease Serial No.

NM67102

6. If Indian, Allotment or Tribe Name

7. If Unit or CA Agreement, Name and/or No.
NM8849

8. Well Name and No.

Parkway Delaware Unit #509

9. API Well No.

30-015-30030

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 checked="" 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 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 add Perfs
	<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 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.)

Application has been made with the NMOC-D to increase injection intervals to include 3918 - 4406'.
Upon approval from NMOC-D. PDU 509 - Proposed Recompletion Procedure:

1. Acidize existing perfs down tubing
2. Set RBP
3. Shoot proposed perfs @ 3994' - 4364'
4. Frac proposed perfs down tubing
5. Remove RBP
6. Return well to water injection

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL****SUBJECT TO LIKE
APPROVAL BY STATE**14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Donna Huddleston

Title Production Tech

Signature

Date 05/24/2010

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 7 2010
/s/ Chris WallsBUREAU 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.

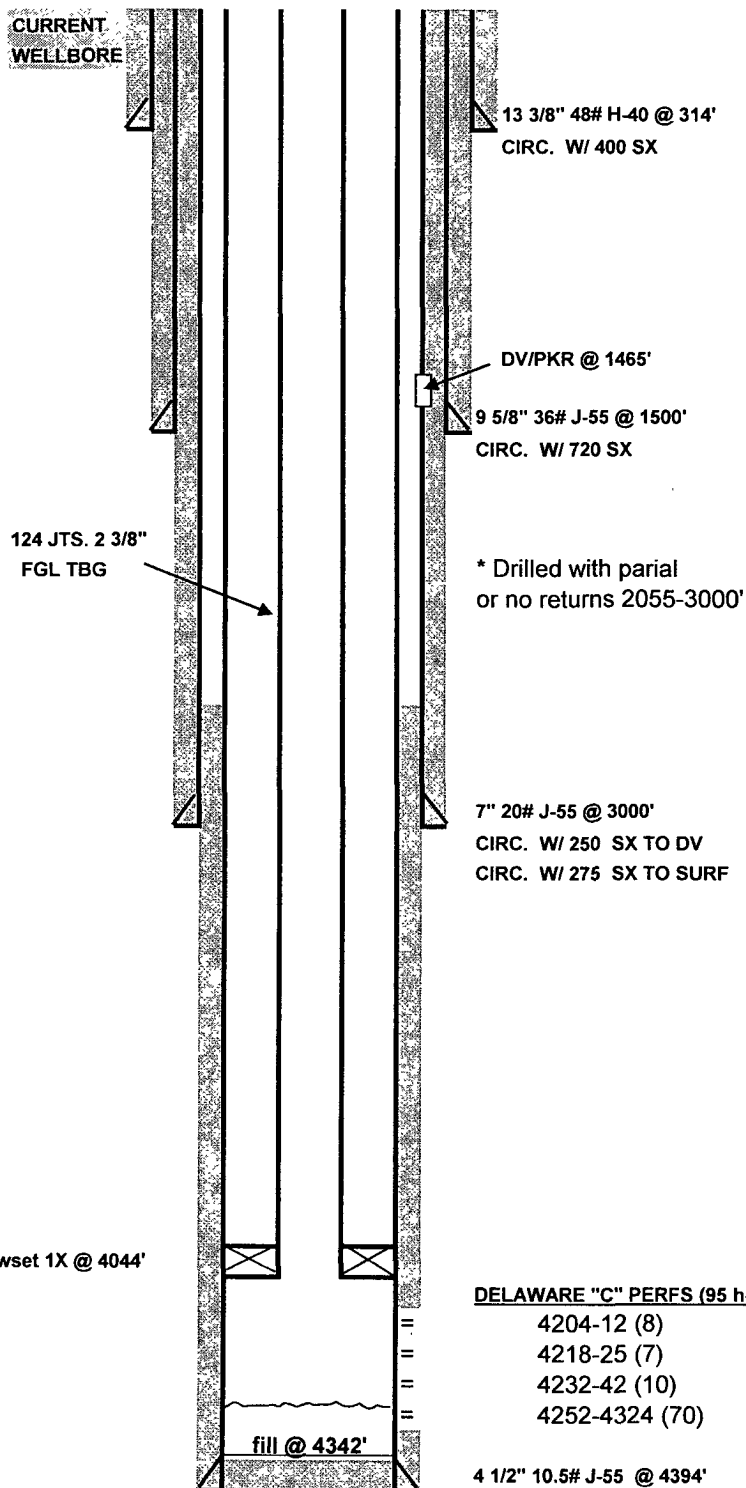
(Instructions on page 2)

WELLBORE DIAGRAM PARKWAY DELAWARE UNIT #509

LEASE: PDU
LOCATION: 1210' FSL & 1210' FEL
FIELD: PARKWAY
CURRENT STAT. WATER INJ.

WELL NO. 509
UL: P
SEC: 35 T: 19S R: 29E
GL: 3322' CT/ST: EDDY,NM
KB: 3334' DF: 3333'

API #: 30-015-30030
SPUD: 1/15/98
COMP: 1/98
INITIAL FORM: DELAWARE "C"



WELL HISTORY

1/29-31/98	Spot 425g 10% acetic acid Run GR/CCL/CBL & Perf Breakdown w/ 2500g 15% HCl dropping 150 BS's throughout 6 BPM @ 480-2750 psi balled out with 135 balls Flushed w/ 120 Bbbls 2% KCl Initial Rate : 280-380 BWPD @ 100-300 psi
8/18/98	Run injection profile survey
12/15/98	Acidize w/ 1000g 15%HCl
2/17/99	Acidize w/ 1500g 15%HCl
7/15/99	Acidize w/ 1000g 15%HCl
10/4/99	Acidize w/ 2000g 15%HCl
12/2/99	Acidize w/ 2000g 15%HCl
12/5/00	Frac w/ 23000g gel & 42740# 20/40 sand @14.4 BPM avg. 930#, ISIP=852#, 10min=810# B: 0 bw @ 1100# A: 450 BW @ 800#
5/9/01	SL Drift tag @ 4329'
5/16-17/01	Cardinal RA & SI Temp Survey
9/18/02	Acidize w/1500g 15% HCl 2 BPM @ 1500 psi
12/9/02	PFO 2069 psi final P
5/23/03	Acidize w/1500g 15% HCl 3.5 BPM @ 2300 psi
11/5/03	SL Drift tag @ 4243' KB
12/4/03	SI Temp Log-Poss Channel to 3970'
12/6/05	Fill Cleanout w/Coiled Tubing to 4344'
1/4/06	Ran Inj. Profile, tag@4221'
6/26/06	"got below perms at 4335' "
10/2/07	POH w/pkr, found hole in 1 jt tbg
1/14/08	attempt to c/o with ct. could not get past 4175'
6/12/08	Tag fill @ 4184'. Returns were balls, sand, CaCO3 CO to 4344'.
4/1/09	Tag fill @4342'

DELAWARE "C" PERFS (95 holes)

4204-12 (8)
4218-25 (7)
4232-42 (10)
4252-4324 (70)

4 1/2" 10.5# J-55 @ 4394'
CMT'D W/ 200 SX
TOC @ 2380'

DATE: 2/26/06
PREPARED BY:
EWS

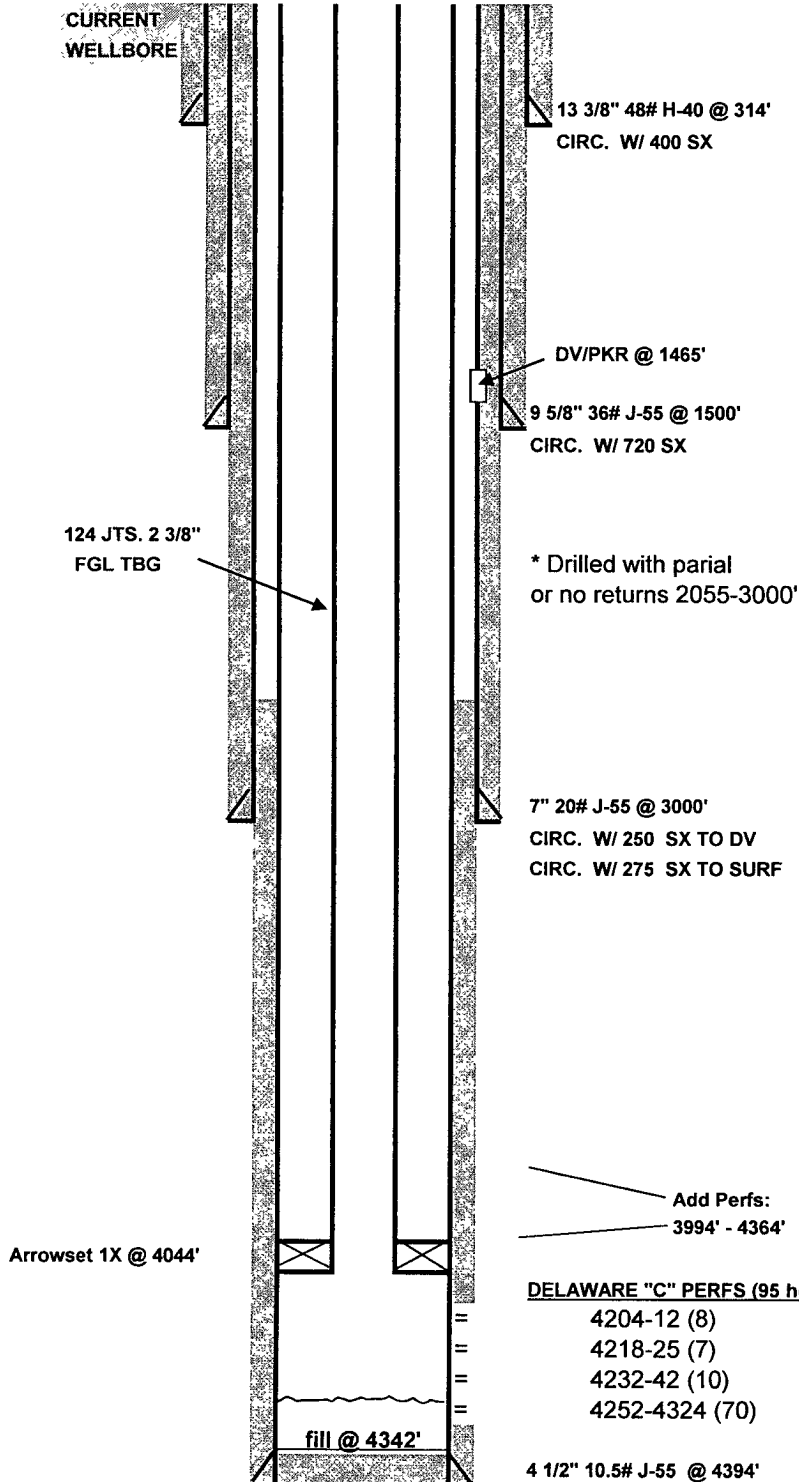
PBTD: 4344' FCO w/CT, 12/6/05
TD: 4400'

PROPOSED WELLBORE DIAGRAM PARKWAY DELAWARE UNIT #509

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Add Perfs:
3994' - 4364'

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PREPARED BY:
EWS

PBTD: 4344' FCO w/CT, 12/6/05
TD: 4400'

**Parkway Delaware Unit 509
30-015-30030
St. Mary Land and Exploration
June 7, 2010
Conditions of Approval**

- 1. Surface disturbance beyond the existing pad must have prior approval.**
- 2. Closed loop system required.**
- 3. Operator to have H2S monitoring equipment on location as H2S has been reported from wells in the area.**
- 4. Submit subsequent sundry with injection rate, pressure and current well bore schematic.**

CRW 060710