



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

ADMINISTRATIVE ORDER NO. PMX-196

***APPLICATION OF ST. MARY'S 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 No. R-9822, St. Mary's Land & Exploration Company has made application to the Division on May 14, 1998 for permission to expand its Parkway Delaware Unit Pressure Maintenance Project in the Parkway-Delaware Pool in Eddy County, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

- (1) The application has been filed in due form.
- (2) Satisfactory information has been provided that all offset operators have been duly notified of the application.
- (3) No objection has been received within the waiting period as prescribed by Rule 701(B).
- (4) The proposed injection well is eligible for conversion to injection under the terms of Rule 701.
- (5) The proposed expansion of the above referenced pressure maintenance project will not cause waste nor impair correlative rights.
- (6) The application should be approved.

IT IS THEREFORE ORDERED THAT:

The applicant, St. Mary's Land & Exploration Company, be and the same is hereby authorized to inject water into the Delaware formation at approximately 4160 feet to approximately 4364 feet through 2 3/8-inch plastic or fiberglass lined tubing set in a packer located approximately 100 feet above the uppermost injection perforations in the following described wells for purposes of pressure maintenance to wit:

Parkway Delaware Unit Well No.205
(API No.30-015-30026)
1330' FNL & 180' FEL, Unit Letter 'H'
Injection Interval 4260 feet to 4364 feet
Maximum Injection Pressure – 852 psig

Parkway Delaware Unit Well No.508
(API No.30-015-30029)
1350' FSL & 2520' FEL, Unit Letter 'J'
Injection Interval 4160 feet to 4278 feet
Maximum Injection Pressure - 832 psig

Parkway Delaware Unit Well No.509
(API No.30-015-30030)
1210' FSL & 1210' FEL, Unit Letter 'P'
Injection Interval 4204 feet to 4324 feet
Maximum Injection Pressure - 841 psig

Parkway Delaware Unit Well No.703
(API No.30-015-30027)
2610' FSL & 430' FEL, Unit Letter 'I'
Injection Interval 4194 feet to 4319 feet
Maximum Injection Pressure – 839 psig

Parkway Delaware Unit Well No.704
(API No.30-015-30028)
1450' FSL & 330' FEL, Unit Letter 'I'
Injection Interval 4219 feet to 4344 feet
Maximum Injection Pressure - 844 psig

All located in Section 35, Township 19 South, Range 29 East, NMPM,
Eddy County, New Mexico.

IT IS FURTHER ORDERED THAT:

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

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

The casing-tubing annulus 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 system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than .2 psi per foot of depth to the uppermost injection perforation.

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 migration of the injected fluid from the Delaware formation.

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

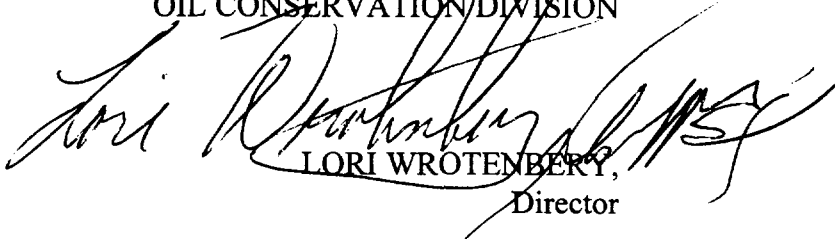
The subject wells shall be governed by all provisions of Division Order No. R-9822 and Rules 702-706 of the Division Rules and Regulations not inconsistent herewith.

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

DONE at Santa Fe, New Mexico, on this 2nd day of August, 1998.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


LORI WROTENBERY,
Director

S E A L

LW/BES/kv

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