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**SOUTHWEST  
ROYALTIES,  
INC./CWEI**

# Fax

To: Mr. Mark Fesmire, PE  
District - Santa Fe  
NMOCD

From: Dawn Howard

Fax: 505/476-3462

Date: Friday, October 20, 2006

Phone 505/476-3440

Pages: This page only

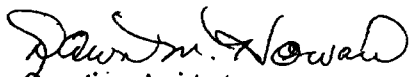
Re: Southwest Royalties, Inc.  
Flying "M" San Andres, Lea County, NM  
Administrative Order #WFX-816  
Executed 10/26/05

Dear Mr. Fesmire:

This fax serves as a written request for an additional 90-day extension of the referenced Administrative Order to expand our waterflood on the Flying "M" San Andres Unit. We respectfully request this extension due to surface owner problems, and the demand on equipment and personnel to install and plumb the lines necessary prior to converting the three authorized wells to injection. Please let me know if there is any additional information that I may provide. A copy of this fax is also in the mail to your attention.

Thank you for considering. Have a great day and weekend.

Sincerely,



Operations Assistant  
Southwest Royalties, Inc./Clayton Williams Energy  
6 Desta Drive, Ste 2100  
Midland, Texas 79705  
432/688-3267  
432/688.3250 fax



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Mark E. Fesmire, P.E.**

Director

**Oil Conservation Division**

*ADMINISTRATIVE ORDER NO. WFX-816*

***APPLICATION OF SOUTHWEST ROYALTIES, INC. TO EXPAND ITS WATERFLOOD  
PROJECT IN THE FLYING "M"-SAN ANDRES POOL IN LEA COUNTY, NEW MEXICO.***

**ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Division Order No. R-6171, Southwest Royalties, Inc. has made application to the Division on September 30, 2005 for permission to expand its Flying "M" San Andres Unit Waterflood Project in the Flying "M"-San Andres Pool in Lea County, New Mexico.

**THE DIVISION DIRECTOR FINDS THAT:**

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

**IT IS THEREFORE ORDERED THAT:**

The applicant, Southwest Royalties, Inc. is hereby authorized to inject water into the San Andres formation, Flying "M"-San Andres Pool, through the gross interval from 4,327 feet to 4,412 feet using 2-3/8-inch plastic-lined tubing set in a packer located within 100 feet of the uppermost injection perforation in each of the following-described wells for purposes of secondary recovery to

wit:

**McGuffin Well No. 2**  
API No. 30-025-24693  
1980' FNL & 660' FWL, Unit E,  
Section 29, Township 9 South, Range 33 East  
Injection Interval: 4,327'-4,396' Perforated  
Maximum Surface Injection Pressure: 865 PSIG

**Flying "M" San Andres Unit Well No. 241**  
API No. 30-025-24692  
1980' FSL & 1980' FWL, Unit K,  
Section 29, Township 9 South, Range 33 East  
Injection Interval: 4,342'-4,412' Perforated  
Maximum Surface Injection Pressure: 868 PSIG

**Flying "M" San Andres Unit Well No. 342**  
API No. 30-025-29488  
660' FSL & 660' FWL, Unit M,  
Section 29, Township 9 South, Range 33 East  
Injection Interval: 4,333'-4,381' Perforated  
Maximum Surface Injection Pressure: 867 PSIG

**IT IS FURTHER ORDERED THAT:**

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

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

The casing-tubing annulus in each well 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 wells or system shall be equipped with a pressure limiting device which will limit the wellhead pressure to the maximum surface injection pressures described above.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said wells that such higher pressure will not result in migration of the

injected fluid from the San Andres formation. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Hobbs District Office of the Division of the date and time of the installation of injection equipment and of the mechanical integrity tests so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Hobbs District Office of the Division of the failure of the tubing, casing or packer in said wells 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-6171, 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 wells, 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 26th day of October, 2005.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



MARK E. FESMIRE, P.E.  
Director

cc: Oil Conservation Division – Hobbs  
Bureau of Land Management-Carlsbad  
State Land Office-Oil & Gas Division