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STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



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SANTA FE, NEW MEXICO 87504  
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ADMINISTRATIVE ORDER NO. WFX-636

*APPLICATION OF ROBERT L. BAYLESS TO EXPAND ITS WATERFLOOD PROJECT  
IN THE MIGUEL CREEK - GALLUP OIL POOL IN MCKINLEY COUNTY, NEW  
MEXICO*

**ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Division Order Nos. R-4875 & R-4875-A, Robert L. Bayless has made application to the Division on August 28, 1992, for permission to expand its Miguel Creek Field Waterflood Project in the Miguel Creek - Gallup Oil Pool in McKinley 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 Miguel Creek Field Waterflood Project will not cause waste nor impair correlative rights.
- (6) The application should be approved.

**RECEIVED**  
SEP 23 1992  
OIL CON. DIV.,  
DIST. 3

**IT IS THEREFORE ORDERED THAT:**

The applicant, Robert L. Bayless, be and the same is hereby authorized to inject water into the Gallup Hospah formation at approximately 732 feet to approximately 854 feet through 2 3/8 inch plastic lined tubing set in a packer located within 100 feet of the uppermost injection depth in the wells shown on Exhibit "A" attached hereto for purposes of secondary recovery to wit.

**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 on the injection wells to no more than .2 psi/ft. of depth to the uppermost perforation.

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 Gallup Hospah 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 Aztec 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 Aztec 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.

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The subject wells shall be governed by all provisions of Division Order Nos. R-4876 & R-4875-A, as amended and Rules 702-706 of the Division Rules and Regulations not inconsistent herewith.

PROVIDED FURTHER THAT, jurisdiction of this cause is hereby retained by the Division for the entry of such further order or orders as may be deemed necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of the operator to conduct operations in a manner which will ensure the protection of fresh water or in a manner inconsistent with the requirements set forth in this order, the Division may, after notice and hearing, terminate the injection authority granted herein.

DONE at Santa Fe, New Mexico, on this 14th day of September, 1992.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
WILLIAM J. LEMAY  
Director

SEAL

jc/

cc: Oil Conservation Division - Aztec ✓  
SLO - Pete Martinez

**EXHIBIT "A"**  
**DIVISION ORDER NO. WFX-636**  
**MIGUEL CREEK FIELD WATERFIELD**  
**WELLS NAMES: SANTA FE PACIFIC RAILROAD**  
**APPROVED INJECTION WELLS**

<i>Well Number</i>	<i>Location</i>	<i>Unit</i>	<i>S-T-R</i>	<i>Injection Perforations or Openhole Interval</i>	<i>Packer Depth</i>	<i>Tubing Size</i>	<i>Injection Pressure</i>
SFPRR No. 24	330' FNL & 990' FEL	A	29-16N-6W	745' to 768'	725'	2 3/8"	149 PSIG
SFPRR No. 26	660' FNL & 660' FEL	A	29-16N-6W	744' to 760'	718'	2 3/8"	149 PSIG
SFPRR No. 39	330' FNL & 660' FWL	D	28-16N-6W	764' to 773'	749'	2 3/8"	153 PSIG
SFPRR No. 41	660' FSL & 660' FEL	P	20-16N-6W	732' to 760' OH	687'	2 3/8"	146 PSIG
SFPRR No. 51	330' FSL & 990' FWL	M	21-16N-6W	760' to 801' OH	749'	2 3/8"	152 PSIG
SFPRR No. 52	2310' FSL & 1650' FWL	K	21-16N-6W	849' to 854'	811'	2 3/8"	170 PSIG
SFPRR No. 53	1650' FSL & 1650' FWL	K	21-16N-6W	793.5' to 803.5'	780'	2 3/8"	159 PSIG

McKinley County, New Mexico