

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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ADMINISTRATIVE ORDER NO. WFX-601

*APPLICATION OF PLAINS PETROLEUM OPERATING COMPANY TO EXPAND ITS
WATERFLOOD PROJECT IN THE BLUITT SAN ANDRES ASSOCIATED POOL IN
ROOSEVELT COUNTY, NEW MEXICO*

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

Under the provisions of Division Order No. R-8117, Plains Petroleum Operating Company has made application to the Division on June 25, 1990 for permission to expand its Bluit San Andres Unit Waterflood Project in the Bluit San Andres Associated Pool in Roosevelt County, New Mexico.

NOW, on this 3rd day of January, 1991, 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 wells are eligible for conversion to water 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, Plains Petroleum Operating Company, be and the same is hereby authorized to inject water into the San Andres formation through the gross perforated interval from approximately 4608 feet to 4770 feet through 2 3/8-inch plastic lined tubing set in a packer located approximately within 100 feet of the uppermost injection perforation in the wells shown on Exhibit "A" attached hereto for purposes of secondary recovery.

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 0.2 psi/ft. of depth to the uppermost perforation as shown on Exhibit "A".

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-8117 and Rules 701-708 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 Mwilure 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.

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The operator shall submit monthly progress reports of the project in accordance with Rules 706 and 1115 of the Division Rules and Regulations.

Approved at Santa Fe, New Mexico, on this 3rd day of January, 1991.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

S E A L

EXHIBIT "A"
Plains Petroleum Operating Company
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<i>Blut San Andres Unit Well No.</i>	<i>Location</i>	<i>Perforated Interval</i>	<i>Packer Depth</i>	<i>Maximum Surface Injection Pressure</i>
1	660' FNL & 660' FEL (Unit A) 13, 8S, 37E	4688 - 4718	4608	938 PSIG
3	587' FNL & 1849' FWL (Unit C) 13, 8S, 37E	4633 - 4662	4540	927 PSIG
5	1980' FNL & 660' FWL (Unit E) 13, 8S, 37E	4608 - 4636	4526	922 PSIG
11	1980' FSL & 1980' FWL (Unit K) 13, 8S, 37E	4623 - 4652	4543	925 PSIG
9	1890' FSL & 660' FEL (Unit I) 13, 8S, 37E	4661 - 4690	4586	932 PSIG
3	660' FNL & 1980' FWL (Unit C) 24, 8S, 37E	4750 - 4770	4711	950 PSIG
1	660' FNL & 660' FEL (Unit A) 24, 8S, 37E	4702 - 4732	4632	940 PSIG
11	1980' FSL & 1980' FWL (Unit K) 18, 8S, 38E	4712 - 4740	4642	942 PSIG
3	554' FNL & 1874' FWL (Unit C) 19, 8S, 38E	4724 - 4747	4647	945 PSIG