



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

ADMINISTRATIVE ORDER NO. WFX-661

***APPLICATION OF THE WISER OIL COMPANY TO EXPAND ITS CAPROCK MALJAMAR
UNIT WATERFLOOD PROJECT IN THE MALJAMAR GRAYBURG SAN ANDRES POOL
IN LEA COUNTY, NEW MEXICO***

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Division Order No. R-10094, The Wiser Oil Company has made application to the Division on August 1, 1994 for permission to expand its Caprock Maljamar Unit Waterflood Project in the Maljamar Grayburg San Andres Pool in Lea 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 wells are eligible for conversion to injection under the terms of Rule 701.
- (5) The proposed expansion of the above referenced Caprock Maljamar Unit Waterflood Project will not cause waste nor impair correlative rights.
- (6) The application should be approved.

IT IS THEREFORE ORDERED THAT:

The applicant, The Wiser Oil Company, be and the same is hereby authorized to inject water into the Grayburg and San Andres formation at approximately 3979 feet to approximately 4468 feet through 2 3/8-inch plastic lined tubing set in a packer located within 100 feet of the uppermost injectoin perforations in the following described wells 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 well, 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 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 injection 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 Grayburg and 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-10094, 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.

Administrative Order WFX-661
The Wiser Oil Company
September 6, 1994
Page 3

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 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 6th day of September, 1994.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

S E A L

cc: Oil Conservation Division - Hobbs

EXHIBIT "A"
DIVISION ORDER NO. WFX-661
CAPROCK MALJAMAR UNIT WATERFLOOD
APPROVED INJECTION WELLS

Well Name	Well No.	Location	Unit	S-T-R	Injection Interval	Packer Depth	Tubing Size	Injection Pressure
CAPROCK MALJAMAR UNIT	35	660' FNL & 1980' FEL	B	24-17S-33E	3979' to 4320'	3879'	2 3/8"	796 psig
"	36	660' FNL & 660' FEL	A	24-17S-33E	4015' to 4327'	3915'	2 3/8"	803 psig
"	48	1980' FNL & 1980' FEL	G	24-17S-32E	3983' to 4328'	3883'	2 3/8"	797 psig
"	49	1980' FNL & 660' FEL	H	24-17S-32E	4145' to 4276'	4045'	2 3/8"	829 psig
"	59	1980' FNL & 1980' FWL	F	21-17S-33E	4306' to 4468'	4206'	2 3/8"	861 psig
"	62	1980' FSL & 1980' FEL	J	24-17S-32E	4138' to 4218'	4038'	2 3/8"	828 psig
"	66	1980' FSL & 1980' FEL	G	19-17S-33E	4108' to 4320'	4008'	2 3/8"	822 psig
"	74	660' FSL & 1980' FWL	N	24-17S-32E	4089' to 4127'	3989'	2 3/8"	818 psig
"	80	660' FSL & 660' FEL	P	19-17S-33E	4108' to 4320'	4008'	2 3/8"	822 psig
"	86	660' FSL & 1980' FWL	D	21-17S-33E	4220' to 4438' (OH)	4120'	2 3/8"	844 psig
"	91	660' FNL & 660' FWL	F	28-17S-33E	4232' to 4468'	4132'	2 3/8"	846 psig
"	95	1650' FSL & 1650' FEL	J	28-17S-33E	4408' to 4428'	4308'	2 3/8"	882 psig
"	97	1650' FSL & 330' FWL	L	27-17S-33E	4427' to 4455' (OH)	4327'	2 3/8"	885 psig
"	99	660' FSL & 1980' FWL	N	28-17S-33E	4281' to 4358'	4181'	2 3/8"	856 psig
"	102	330' FNL & 1650' FEL	B	33-17S-33E	4416' to 4460'	4316'	2 3/8"	883 psig

ALL IN LEA COUNTY, NEW MEXICO