STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

ADMINISTRATIVE ORDER NO. WFX-670

APPLICATION OF THE WISER OIL COMPANY TO EXPAND ITS 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 April 3, 1995, 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 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-San Andres formation through the gross interval from approximately 3945 feet to 4560 feet through 2 3/8-inch plastic lined tubing set in a packer located within 100 feet of the uppermost injection perforation or casing shoe in the wells shown on Exhibit "A" attached hereto for the purpose 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 814 PSIG.

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-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, and Rules 702-706 of the Division Rules and Regulations not inconsistent herewith.

The operator shall submit and obtain approval from the supervisor of the Division's Hobbs District Office proposed re-entry procedures and proposed well construction diagrams for the Caprock Maljamar Unit Well Nos. 8, 13, 15, 23, 24, 25, 27, 28 and 81 prior to commencing re-entry operations.

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.

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 8th day of May, 1995.

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-670
CAPROCK MALJAMAR UNIT WATERFLOOD PROJECT
APPROVED INJECTION WELLS
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Well Name	*Well No.*	*Location*	*Unit*	*S-T-R*	*Injection Perforations*	*Packer Depth*	*Tubing Size*
CMU	1	660' FNL & 1980' FEL	B	18-17S-33E	4148' - 4522'	4048'	2 3/8"
CMU	2	660' FNL & 660' FEL	A	18-17S-33E	4154' - 4522'	4054'	2 3/8"
CMU	3	1980' FSL & 660' FEL	I	17-17S-33E	4172' - 4380'	4072'	2 3/8"
CMU	4	660' FNL & 1980' FWL	C	17-17S-33E	4218' - 4487'	4118'	2 3/8"
CMU	5	660' FNL & 1980' FEL	B	17-17S-33E	4226' - 4359'	4126'	2 3/8"
CMU	6	660' FNL & 660' FEL	A	17-17S-33E	4258' - 4395'	4158'	2 3/8"
CMU	7	1980' FNL & 2080' FEL	G	18-17S-33E	4214' - 4448'	4114'	2 3/8"
CMU	9	1980' FNL & 660' FWL	E	17-17S-33E	4184' - 4469'	4084'	2 3/8"
CMU	10	1980' FNL & 1980' FWL	F	17-17S-33E	4209' - 4395'	4109'	2 3/8"
CMU	11	1980' FNL & 1980' FEL	G	17-17S-33E	4244' - 4396'	4144'	2 3/8"
CMU	12	1980' FNL & 660' FEL	H	17-17S-33E	4246' - 4408'	4146'	2 3/8"
CMU	14	1980' FSL & 660' FEL	I	13-17S-32E	4068' - 4229'	3968'	2 3/8"
CMU	16	1980' FSL & 2047' FWL	K	18-17S-33E	4203' - 4446'	4103'	2 3/8"
CMU	17	1980' FSL & 1980' FEL	J	18-17S-33E	4197' - 4540'	4097'	2 3/8"
CMU	18	1980' FSL & 660' FEL	I	18-17S-33E	4222' -4560'	4122'	2 3/8"

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APPROVED INJECTION WELLS
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Well Name	*Well No.*	*Location*	*Unit*	*S-T-R*	*Injection Perforations*	*Packer Depth*	*Tubing Size*
CMU	22	660' FNL & 660' FWL	D	17-17S-33E	4184' - 4362'	4084'	2 3/8"
CMU	26	660' FSL & 2047' FWL	N	18-17S-33E	4126' - 4414'	4026'	2 3/8"
CMU	37	660' FNL & 694' FWL	D	19-17S-33E	4055' - 4320'	3955'	2 3/8"
CMU	38	660' FNL & 2047' FWL	C	19-17S-33E	4018' - 4336'	3918'	2 3/8"
CMU	50	1980' FNL & 694' FWL	E	19-17S-33E	3945' - 4157'	3845'	2 3/8"
CMU	69	1650' FSL & 2310' FWL	K	20-17S-33E	4181' - 4193'	4081'	2 3/8"
CMU	71	1980' FSL & 660' FEL	I	20-17S-33E	4242' - 4382'	4142'	2 3/8"
CMU	90	1980' FNL & 660' FWL	E	28-17S-33E	4285' - 4453'	4185'	2 3/8"
CMU	101	660' FSL & 660' FEL	P	28-17S-33E	4424' - 4440'	4324'	2 3/8"
		P & A'D RE-ENTRIES					
CMU	8	1980' FNL & 660' FEL	H	18-17S-33E	TBD	TBD	TBD
CMU	13	1980' FSL & 1980' FEL	J	13-17S-33E	TBD	TBD	TBD
CMU	15	1980' FSL & 693' FWL	L	18-17S-33E	TBD	TBD	TBD
CMU	23	660' FSL & 1980' FEL	O	13-17S-32E	TBD	TBD	TBD
CMU	24	660' FSL & 660' FEL	P	13-17S-32E	TBD	TBD	TBD

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APPROVED INJECTION WELLS
PAGE 3

Well Name	*Well No.*	*Location*	*Unit*	*S-T-R*	*Injection Perforations*	*Packer Depth*	*Tubing Size*
CMU	25	660' FSL & 693' FWL	M	18-17S-33E	TBD	TBD	TBD
CMU	27	760' FSL & 1980' FEL	O	18-17S-33E	TBD	TBD	TBD
CMU	28	660' FSL & 660' FEL	P	18-17S-33E	TBD	TBD	TBD
CMU	81	990' FWL & 330' FSL	M	20-17S-33E	TBD	TBD	TBD