



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

71803

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

DEC 09 '96

ADMINISTRATIVE ORDER NO. WFX-696

***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-1538, The Wiser Oil Company has made application to the Division on October 22, 1996 for permission to expand its Maljamar Grayburg 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 and San Andres formations at approximately 3746 feet to approximately 4388 feet through 2 3/8-inch plastic lined tubing set in a packer located within 100 feet of the uppermost injection perforations in the wells described 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 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 well 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 per foot 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 or San Andres formations. 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.

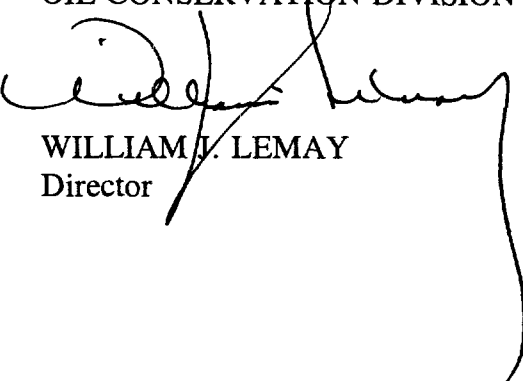
The subject wells shall be governed by all provisions of Division Order No. R-1538, and Rules 702-706 of the Division Rules and Regulations not inconsistent herewith.

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.

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 3rd day of December, 1996.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

S E A L

cc: Oil Conservation Division - Hobbs
Ms. Bonnie Jones, J.O. Easley, Inc.
Files: Case No.1803 /

EXHIBIT "A"
DIVISION ORDER NO. WFX-696
MALJAMAR GRAYBURG UNIT
APPROVED INJECTION WELLS

Well Name	Well No.	Location	Unit	S-T-R	Injection Perforations	Packer Depth	Tubing Size	Pressure
Maljamar Grayburg Unit	1	1988' FNL & 659' FWL	E	2-T17S-R32E	4087' - 4380'	3987'	2 3/8"	817 PSIG
Maljamar Grayburg Unit	2	2310' FSL & 330' FWL	L	2-T17S-R32E	4078' - 4084'	3978'	2 3/8"	816 PSIG
Maljamar Grayburg Unit	3	660' FNL & 660' FEL	A	3-T17S-R32E	4105' - 4388'	4005'	2 3/8"	821 PSIG
Maljamar Grayburg Unit	4	1980' FNL & 1980' FEL	G	3-T17S-R32E	4092' - 4356'	3992'	2 3/8"	818 PSIG
Maljamar Grayburg Unit	5	1988' FNL & 660' FEL	H	3-T17S-R32E	4091' - 4278'	3991'	2 3/8"	818 PSIG
Maljamar Grayburg Unit	8	2140' FSL & 2180' FWL	K	3-T17S-R32E	4092' - 4356'	3992'	2 3/8"	818 PSIG
Maljamar Grayburg Unit	9	1980' FSL & 660' FWL	L	3-T17S-R32E	3950' - 4116'	3850'	2 3/8"	790 PSIG
Maljamar Grayburg Unit	10	660' FSL & 660' FWL	M	3-T17S-R32E	3920' - 4017'	3820'	2 3/8"	784 PSIG
Maljamar Grayburg Unit	15	1980' FNL & 660' FWL	E	4-T17S-R32E	3881' - 4060'	3781'	2 3/8"	756 PSIG
Maljamar Grayburg Unit	18	1980' FNL & 660' FEL	H	4-T17S-R32E	4005' - 4190'	3905'	2 3/8"	801 PSIG
Maljamar Grayburg Unit	19	1980' FSL & 660' FEL	I	4-T17S-R32E	3954' - 4081'	3854'	2 3/8"	791 PSIG
Maljamar Grayburg Unit	23	2310' FSL & 330' FWL	L	4-T17S-R32E	3848' - 3957'	3748'	2 3/8"	770 PSIG
Maljamar Grayburg Unit	25	660' FSL & 990' FWL	M	4-T17S-R32E	3844' - 3966'	3744'	2 3/8"	769 PSIG
Maljamar Grayburg Unit	27	990' FSL & 1980' FEL	O	4-T17S-R32E	3888' - 4002'	3788'	2 3/8"	778 PSIG
Maljamar Grayburg Unit	28	660' FSL & 660' FEL	P	4-T17S-R32E	3912' - 4046'	3812'	2 3/8"	782 PSIG
Maljamar Grayburg Unit	32	660' FSL & 660' FEL	P	8-T17S-R32E	To Be Determined	TBD	2 3/8"	.2 psi/ft
Maljamar Grayburg Unit	33	670' FNL & 770' FEL	A	9-T17S-R32E	3888' - 4016'	3788'	2 3/8"	778 PSIG
Maljamar Grayburg Unit	34	330' FNL & 1980' FEL	B	9-T17S-R32E	3834' - 3990'	3734'	2 3/8"	767 PSIG
Maljamar Grayburg Unit	35	330' FNL & 2310' FWL	C	9-T17S-R32E	3848' - 3976'	3748'	2 3/8"	770 PSIG
Maljamar Grayburg Unit	36	330' FNL & 990' FWL	D	9-T17S-R32E	3796' - 3950'	3696'	2 3/8"	759 PSIG
Maljamar Grayburg Unit	38	1980' FNL & 1980' FWL	F	9-T17S-R32E	3785' - 4083'	3685'	2 3/8"	757 PSIG
Maljamar Grayburg Unit	40	1800' FNL & 660' FEL	H	9-T17S-R32E	3842' - 4139'	3742'	2 3/8"	768 PSIG

Well Name	Well No.	Location	Unit	S-T-R	Injection Perforations	Packer Depth	Tubing Size	Pressure
Majamar Grayburg Unit	42	1980' FSL & 1980' FEL	J	9-T17S-R32E	3820' - 4099'	3720'	2 3/8"	764 PSIG
Majamar Grayburg Unit	44	1980' FSL & 660' FWL	L	9-T17S-R32E	3746' - 3959'	3646'	2 3/8"	729 PSIG
Majamar Grayburg Unit	46	660' FSL & 1980' FWL	N	9-T17S-R32E	3748' - 3932'	3648'	2 3/8"	750 PSIG
Majamar Grayburg Unit	48	660' FSL & 660' FEL	P	9-T17S-R32E	3830' - 4110'	3730'	2 3/8"	766 PSIG
Majamar Grayburg Unit	49	660' FNL & 660' FEL	A	10-T17S-R32E	4039' - 4211'	3939'	2 3/8"	808 PSIG
Majamar Grayburg Unit	52	660' FNL & 690' FWL	D	10-T17S-R32E	3891' - 4186'	3791'	2 3/8"	778 PSIG
Majamar Grayburg Unit	53	1980' FNL & 610' FWL	E	10-T17S-R32E	3882' - 4020'	3772'	2 3/8"	776 PSIG
Majamar Grayburg Unit	54	1650' FNL & 2310' FWL	F	10-T17S-R32E	3820' - 4221'	3720'	2 3/8"	764 PSIG
Majamar Grayburg Unit	55	1980' FNL & 1980' FEL	G	10-T17S-R32E	3894' - 3995'	3794'	2 3/8"	779 PSIG
Majamar Grayburg Unit	56	1650' FNL & 990' FEL	H	10-T17S-R32E	3970' - 4105'	3870'	2 3/8"	794 PSIG
Majamar Grayburg Unit	57	1980' FSL & 660' FEL	I	10-T17S-R32E	3916' - 4060'	3816'	2 3/8"	783 PSIG
Majamar Grayburg Unit	59	19800' FSL & 1980' FEL	K	10-T17S-R32E	3856' - 4026'	3756'	2 3/8"	771 PSIG
Majamar Grayburg Unit	60	1980' FSL & 660' FWL	L	10-T17S-R32E	3835' - 4008'	3735'	2 3/8"	767 PSIG
Majamar Grayburg Unit	62	330' FSL & 1980' FWL	N	10-T17S-R32E	3819' - 4127'	3719'	2 3/8"	764 PSIG
Majamar Grayburg Unit	64	660' FSL & 660' FEL	P	10-T17S-R32E	3886' - 4036'	3786'	2 3/8"	757 PSIG
Majamar Grayburg Unit	66	1980' FNL & 660' FWL	L	11-T17S-R32E	3918' - 4057'	3818'	2 3/8"	784 PSIG
Majamar Grayburg Unit	68	890' FSL & 1810' FWL	N	11-T17S-R32E	3934' - 4079'	3834'	2 3/8"	787 PSIG
Majamar Grayburg Unit	71	990' FNL & 660' FWL	D	14-T17S-R32E	3856' - 4003'	3756'	2 3/8"	771 PSIG
Majamar Grayburg Unit	75	660' FNL & 1980' FEL	B	15-T17S-R32E	3809' - 4135'	3709'	2 3/8"	762 PSIG
Majamar Grayburg Unit	77	2310' FNL & 660' FEL	H	15-T17S-R32E	3926' - 4072'	3826'	2 3/8"	785 PSIG
Majamar Grayburg Unit	152*	2005' FNL & 2152' FWL	F	4-T17S-R32E	To Be Determined	TBD	2 3/8"	.2 psi/ft
Majamar Grayburg Unit	153*	672' FSL & 2162' FWL	N	4-T17S-R32E	To Be Determined	TBD	2 3/8"	.2 psi/ft
Majamar Grayburg Unit	154*	1980' FSL & 990' FWL	I	4-T17S-R32E	To Be Determined	TBD	2 3/8"	.2 psi/ft

All wells located in Lea County, New Mexico

* New Drills

Note: Some wells to be re-completed may have perforated intervals other than shown as long as packer setting and maximum pressure are determined as outlined in body of order.



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

ADMINISTRATIVE ORDER NO. WFX-715

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

RECEIVED

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

MAY 29 1997

OIL CON. DIV.

Under the provisions of Division Order No. R-1538, The Wiser Oil Company has made application to the Division on March 13, 1997 for permission to expand its Maljamar Grayburg Unit Waterflood Project in the Maljamar Grayburg-San Andres Pool in Lea County, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

Case
1803

- (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 and San Andres formations at approximately 3750 feet to approximately 4400 feet through 2 3/8-inch plastic lined tubing set in a packer located within 100 feet of the uppermost injection perforations in the following described wells for purposes of secondary recovery, to wit:

Maljamar Grayburg Unit Well No.63
660' FSL & 1980' FEL, Unit Letter 'O'
Section 10, Township 17 South, Range 32 East, NMPM
Injection Interval: 3876 feet to 4014 feet
Maximum Injection Pressure: 775 psig

Maljamar Grayburg Unit Well No.155
1880' FNL & 2080' FWL, Unit Letter 'F'
Section 10, Township 17 South, Range 32 East, NMPM
Injection Interval: To be determined.
Maximum Injection Pressure: .2 psi/ft to uppermost perforation

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 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 well 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 per foot 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 or San Andres formations. 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.

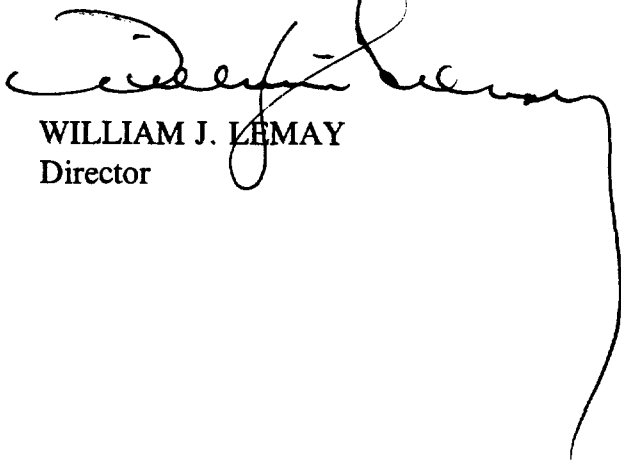
The subject wells shall be governed by all provisions of Division Order No. R-1538, and Rules 702-706 of the Division Rules and Regulations not inconsistent herewith.

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.

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 20th day of May, 1997.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


WILLIAM J. LEMAY
Director

S E A L

cc: Oil Conservation Division - Hobbs
Ms. Bonnie Jones, J.O. Easley, Inc.
Files: Case No.1803 /

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

RECEIVED

AUG 25 '94

O. C. D.
ARTESIA OFFICE

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

ADMINISTRATIVE ORDER NO. WFX-660

APPLICATION OF THE WISER OIL COMPANY TO EXPAND ITS MALJAMAR GRAYBURG UNIT WATERFLOOD PROJECT, MALJAMAR GRAYBURG UNIT, 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-1538, The Wiser Oil Company has made application to the Division on June 29, 1994 for permission to expand its Maljamar Grayburg 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 well is eligible for conversion to injection under the terms of Rule 701.
- (5) The proposed expansion of the above referenced Maljamar Grayburg 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 formations at approximately 3970 feet to approximately 4290 feet through 2 3/8-inch plastic lined tubing set in a packer located within 100 feet of the uppermost injection perforations in the following described well for purposes of secondary recovery to wit:

*Maljamar Grayburg Unit Well No. 13
660' FSL and 660' FEL
Section 3, Township 17 South, Range 32 East.*

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 well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well 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 well that such higher pressure will not result in migration of the injected fluid from the Grayburg and San Andres formations. 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 well and shall take such steps as may be timely and necessary to correct such failure or leakage.

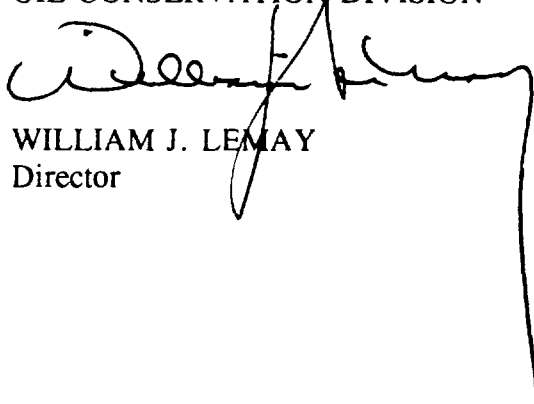
The subject well shall be governed by all provisions of Division Order No. R-1538, as amended and Rules 702-706 of the Division Rules and Regulations not inconsistent herewith.

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.

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.

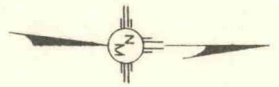
DONE at Santa Fe, New Mexico, on this 11th day of August, 1994.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


WILLIAM J. LEMAY
Director

S E A L

cc: Oil Conservation Division - Hobbs
Case File: 1803

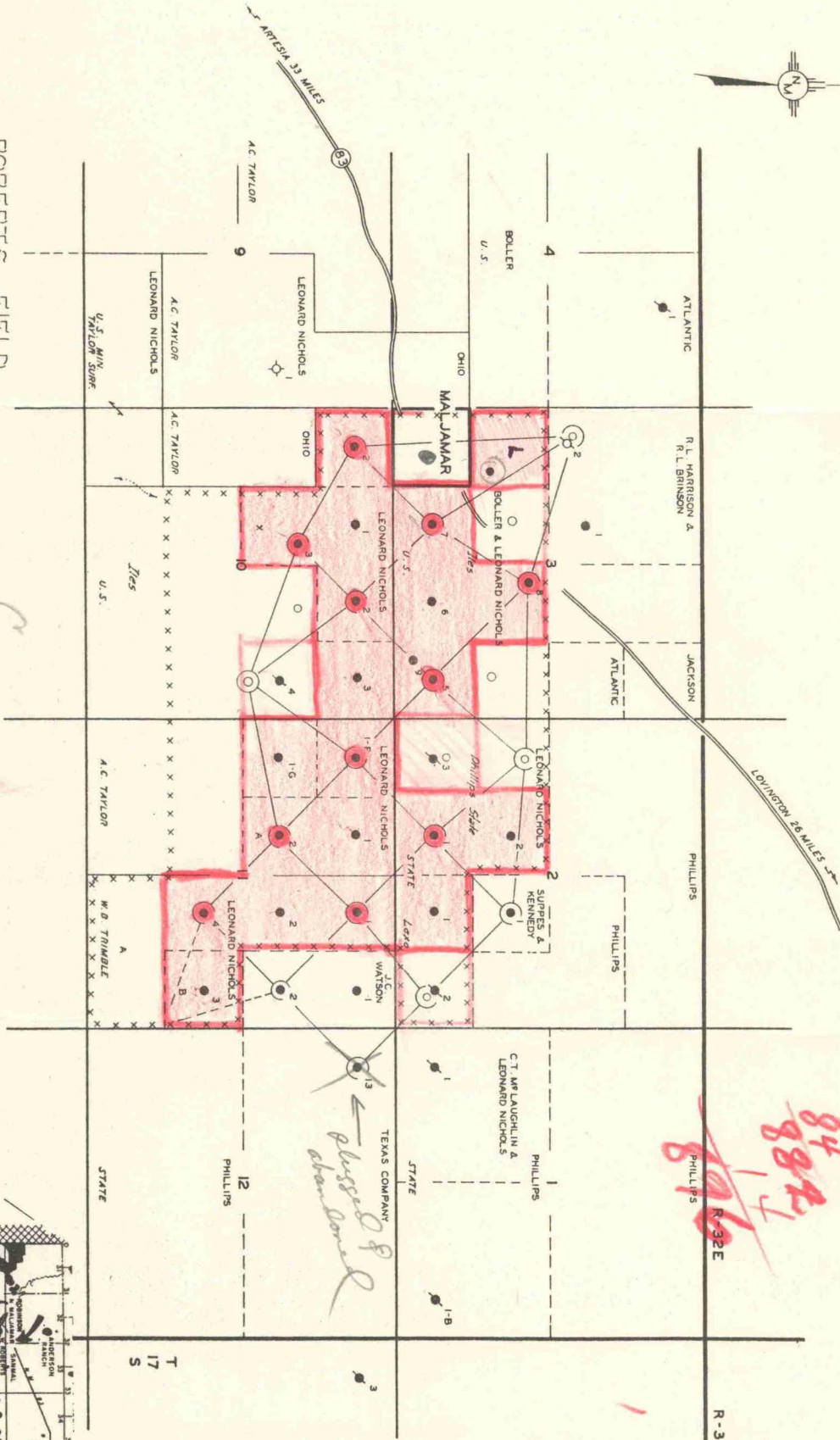


PROPOSED WATER-FLOOD DEVELOPMENT MAP

ROBERTS FIELD
LEA COUNTY, NEW MEXICO

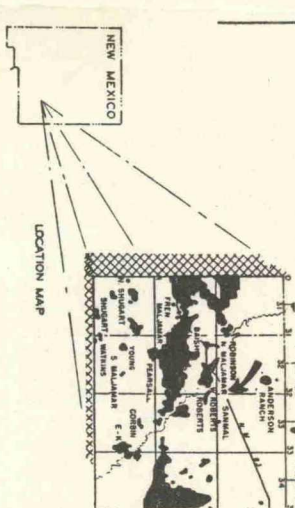


WATER-FLOOD ASSOCIATES INC.
FORT WORTH, TEXAS



42
22
42
84
882
814
R-33E

← plugged & abandoned



propose 350 bbls. of water per day
per well

EX-5

NOV 14 1959

DEC 4 AM 10 15

Box 395
Artesia, N. M.
December 2, 1959

Mr. Elvia A. Utz, Examiner
Oil Conservation Commission
Santa Fe, New Mexico

Dear Mr. Utz:

Regarding Case No. 1803 heard before you on November 10, 1959,
I am sending herewith the theoretical cement tops for each casing
string in each well to be converted to a water input well under
this application.

Very truly yours,


Harold C. Porter

HCP/nn

Encl.

LEONARD NICKOLS AND BOLLER & NICKOLS

1917 DEC 4 AM 8:16

LEONARD NICKOLS AND BOLLER & NICKOLS
Roberts Grayburg Pool
Lea County, New Mexico

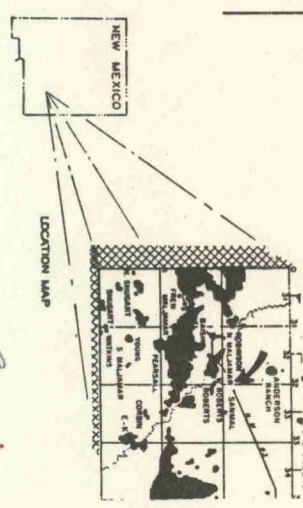
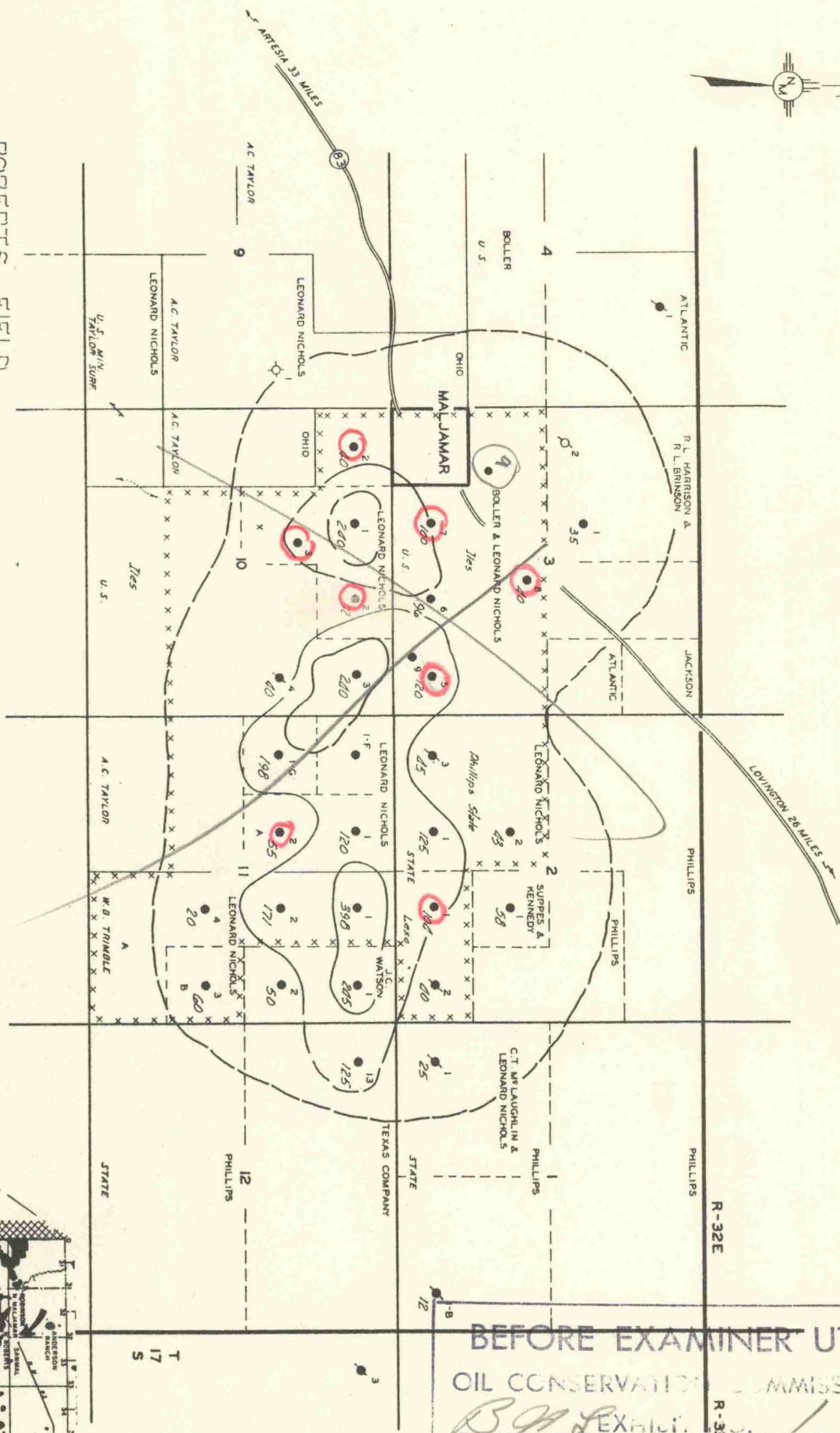
<u>Injection Well</u>	<u>Location</u>	<u>Surface Casing</u>		<u>Production Casing</u>	
		<u>Size</u>	<u>Top Cement</u>	<u>Size</u>	<u>Top Cement</u>
Iles No. 2	D Sec. 10	8 5/8"	1275 882'	5 1/2"	3151'
Iles No. 5	P Sec. 3	8 5/8"	1247 854'	5 1/2"	3128'
" " 7	N Sec. 3	8 5/8"	? 857'	5 1/2"	3060'
" " 8	J Sec. 3	8 5/8"	1410 1017'	5 1/2"	3154'
Iles x No. 2	B Sec. 10	8 5/8"	1161 571'	5 1/2"	3082'
Iles x No. 3	F Sec. 10	8 5/8"	1275 488'	7"	3363'
Phillips State Loxeo No. 1	N Sec. 2	8 5/8"	1456 486'	5 1/2"	3079'
A. C. Taylor A No. 2	F Sec. 11	8 5/8"	1225 Surface	5 1/2"	1790'
A. C. Taylor F No. 1	D Sec. 11	8 5/8"	1060 Surface	5 1/2"	884'
W. B. Trimble A No. 1	B Sec. 11	8 5/8"	1391 Surface	5 1/2"	1615'
" " " A No. 4	J Sec. 11	8 5/8"	? Surface	5 1/2"	2417'



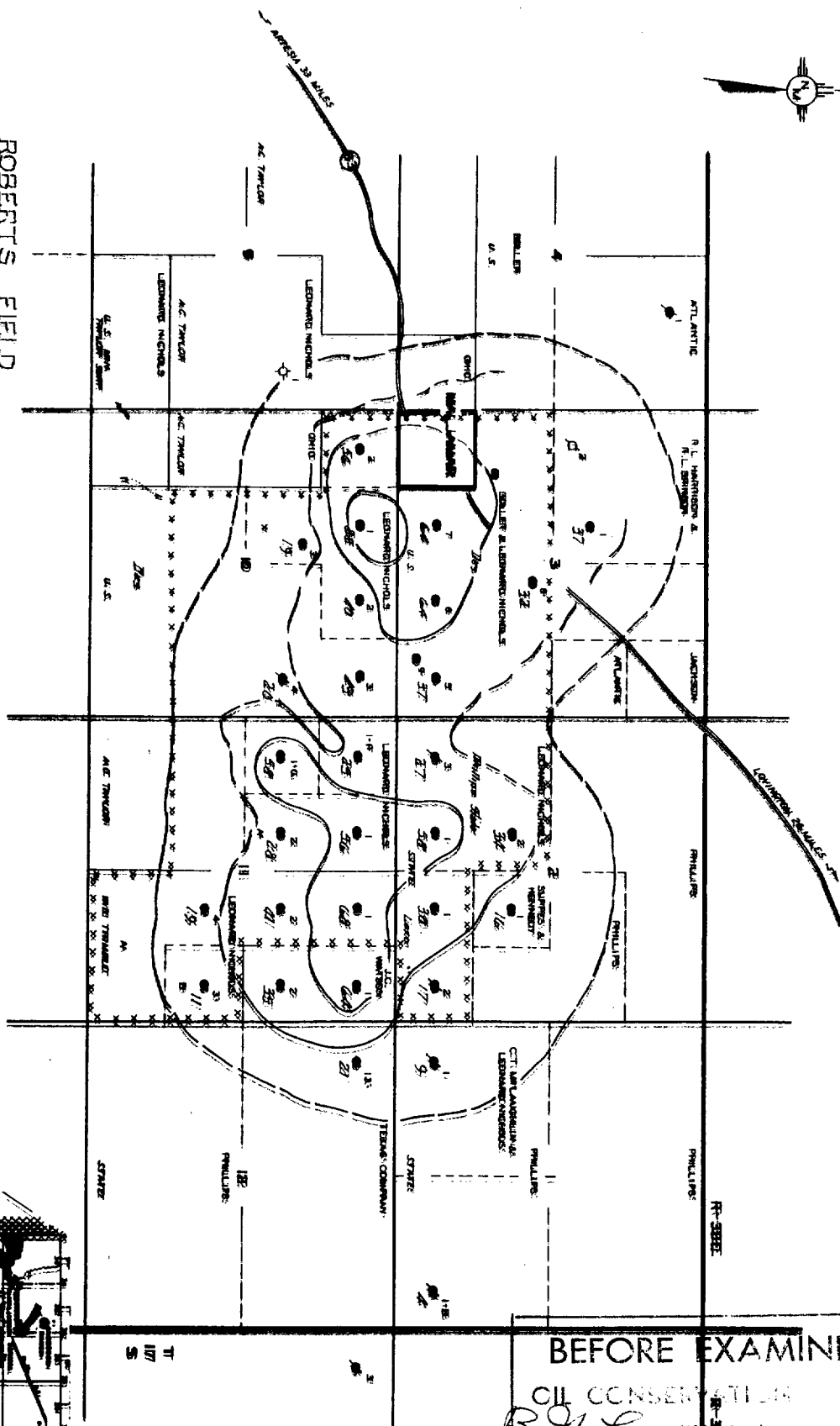
ISO INITIAL POTENTIAL MAP

ROBERTS FIELD
LEA COUNTY, NEW MEXICO

WATER FLOOD ASSOCIATES, INC.
FORT WORTH, TEXAS



BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
R-33E
CASE NO. 1803
EXHIBIT No. 3



1000 1964
1-1-57

WARTER-FILMS: ANIMATED FILMS FOR
TELEVISION

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
9 L. EXHIBIT NO. 68
CASE NO. 7803

WATER FLOOD ASSOCIATES, INCORPORATED
FORT WORTH, TEXAS

WELL DATA

OPERATOR: LEASE: WELL		UNIT/SEC.		ELEV.		DATES		SPUDED - COMPT.		IP		STIMULATION		CASING PROGRAM		PRODUCTIVE INTERVALS		TD		REMARKS	
LEONARD NICHOLS																					
PHILLIPS STATE	#1	N/2	4190	9-14-44/11-30-44	76P	2-2-55	FRAC 10MG 15M#									13" @ 225: 8-5/8" @ 1273: 5 1/2" @ 3963		4005-13: 4025-30: 4055-57			DEEPEN TO 4419, SLIGHT WATER PB 4058
	#2	K/2	4274	11-30-45/3-22-46	39	3-9-46	SHOT 230 QTS 4139-4312									10-3/4" @ 298: 8-5/8" @ 1230: 7" @ 4071		4110 TO 4275			4265 REPORT 6-17-53 SAMPLE FR 4000 TUB. CHIEFLY GYP. 4140 INDICATION OF PARAFFIN & SALT TROUBLE
	#3	M/2	NA	5-21-47/7-22-47	66	8-23-47	SHOT 220 QTS 3990 4120 FRAC 10MG 15M#									8-5/8" @ 1194: 7" @ 3390: 5 1/2" @ 3970		3990-95: 4036-74: 4089-94: 4105-30			4150 TO 4298
LEXO	#1	O/2	4265	3-2-45/4-24-45	57	2-3-55 4-29-45	SHOT 140 QTS 4170-4230									8-5/8" @ 1456: 5 1/2" @ 4133		4150 TO 4298			4300 PREA 10-23-56
	#2	P/2	4258	6-2-46/7-14-46	74	7-9-46	SHOT 275 QTS 4197-4285									8-5/8" @ 1285: 5 1/2" @ 4116		4150 TO 4300			
	#1	C/11	4151	10-28-45/1-16-46	110	1-17-46	SHOT 145 QTS 3999-4089									8-5/8" @ 1386: 5 1/2" @ 3957					4101
TAYLOR A	#2	F/11	NA	10-1-46/11-22-46	55	11-23-46	SHOT 210 QTS 4000-4090									8-5/8" @ 1221: 5 1/2" @ 3965		4000 TO 4090			4110
	#1	D/11	4123	4-3-47/5-9-47	146	5-5-47	SHOT 190 QTS 4085-3957									8-5/8" @ 1080: 5 1/2" @ 3929					4085
	#1	E/11	4158	6-11-47/7-11-47	198	7-12-47	SHOT 205 QTS 3948-4079									8-5/8" @ 1143: 5 1/2" @ 3941		1070-1180: 1180-2314: 2314-2521: 2521-3320			4079
TAYLOR G	#1	B/11	4170	1-29-46/3-27-46	398	6-24-54 3-19-46	FRAC 10MG 20M#									8-5/8" @ 1391: 5 1/2" @ 4007					4130
	#2	G/11	4149	7-20-46/9-3-46	170	9-4-46	SHOT 180 QTS 4016-4126									500 SX					4104
	#3	J/11	4172	11-27-46/1-11-47	60	1-12-47	SHOT 230 QTS 3978-4088									8-5/8" @ 1388: 5 1/2" @ 3970					4104
TRIMBLE B	#1	I/11	4138	2-6-47/3-9-47	20	3-11-47	SHOT 260 QTS 4053-4181									8-5/8" @ 1165: 5 1/2" @ 4047		4040 TO 4209			4209
	#1	C/10	4173	2-28-46/5-12-46	200	6-6-51	SHOT 380 QTS 3972-4125									500 SX					4125
	#1	C/10	4173	2-28-46/5-12-46	200	6-6-51	SHOT 260 QTS 4017-4120									8-5/8" @ 1060: 5 1/2" @ 3863		3972 TO 4125			4222 DEEPENED TD FR 3974 ORIG. 5-21-51
6-4-55																					
FRAC 10MG 15M#																					
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BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
CASE NO. 1403 EXHIBIT NO. 4
2008

TABLE NO. 2 - SHEET NO. 1

34-4

BEFORE EXAMINER UTZ
OIL FIELD EVALUATION COMMISSION
EXHIBIT NO. 5
CASE NO. 1883

OPERATOR: LEASE: WELL	UNIT/SEC.	ELEV.	DATES	IP	STIMULATION	CASING PROGRAM	PRODUCTIVE INTERVALS	TD	REMARKS
LEONARD NICHOLS - CONTR.									
ILES X	#2	B/10	NA*	6-22-51/6-28-51		8-5/8" @ 1161: 5 1/2" @ 3986 75 SX 8-5/8" @ 1275: 7" @ 3520 100 SX	4040-50: 4100-4115		*RESPUDED ORIG. LOG NA
	#3	F/10	NA	4-2-47/6-23-47	SHOT 220 QTS 4090-4200		Top of PAY 4090	4222	
	#2	D/10	NO RECORD	4-3-47/6-5-47	SHOT 220 QTS 4090-4200	8-5/8" @ 1275: 5 1/2" @ 4065 100 SX		4211	
	#3	A/10	NA	2-9-48 (COMPT.)	SHOT 360 QTS 4039-4241	8-5/8" @ 1247: 5 1/2" @ 4032 100 SX 5 1/2" @ 3952	Top of PAY 4014	4241	
	#4	H/10	NA	9-14-47/2-19-48	NONE	8-5/8" @ 1344: 5 1/2" @ 4063 100 SX 50 SX	3410-16: 4025-45 4066-73 SAMP. LOG AVAIL.	4150	
	#5	P/3	NA	5-8-48/7-13-47	8-11-54 FRAC 20 MG 38M#	8-5/8" @ 1410: 5 1/2" @ 4058 50 SX	4075 TO 4080	4194 DEEPENED TO-20-51 FR 4080	
	#6	O/3	NA	10-10-48/1-27-49	4-24-55 FRAC 10MG 15M#		4080 TO 4093	4269 RAD. LOG AVAIL.	
	#7	N/3	4217	6-21-49/8-28-49	SHOT 130 QTS 4253-4353		4081-90: 4199-4210: 4353		
ILES	#8	J/3	4285	9-1-49	SHOT 200 QTS 4200-4353		4337-44 SAMP. LOG AVAIL.		
	#9	P/3	NA	6-16-52/8-8-52	SHOT 310 QTS 4076-4211	8-5/8" @ 1275: 5 1/2" @ 4043 50 SX	4087-94: 4168-77: 4197-4202	4214	
					11-12-54 FRAC 20MG 40M#				
					11-18-47 ACID 2000G	8-5/8" @ 1100: 5 1/2" @ 2452 300 SX	3685-4000: 4000-26	4026 ROT. -DRY & PFEA 11-26-47	
OHIO									
A. C. TAYLOR									
	#1	I/9	4124	10-4-47/11-6-47	SHOT 175 QTS 3865-3980				
LEONARD NICHOLS									
STATE B									
	#1	P/1							
PHILLIPS STATE B									
	#1	M/1		11-2-46/1-19-47	SHOT 360 QTS 4150-4308	8-5/8" @ 1230: 5 1/2" @ 4110 100 SX	4160-70: 4230-40	4310	
BRINSON & WOODALL									
HARRISON									
	#1	E/3							
THE TEXAS COMPANY									
STATE O									
	#13	D/12	4255	4-19-46/7-3-46	SHOT 130 QTS 4181-4236	8-5/8" @ 1345: 5 1/2" @ 4143 650 SX	4177 TO 4190	4250	

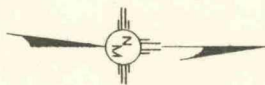
TABLE NO. 2 - SHEET NO. 2

OPERATOR:	LEASE:	WELL	UNIT/SEC.	ELEV.	DATES	IP	STIMULATION	CASING PROGRAM	PRODUCTIVE INTERVALS	TD	REMARKS
					SPUDED - COMPT.		DATE				
<u>SUPPES & KENNEDY</u>											
STATE		#1	J/2	4122	2-9-49/3-18-49	58	3-11-49 Shot 365 qts 4106-4314 6-21-54 Frac 10MG 15M#	9-5/8" @ 1200: 5 1/2" @ 4000 600 sx 100 sx	4050-4240: GRAYBURG 4240-4330 SAN ANDRES		
<u>WATSON DRILLING CO.</u>											
TRIMBLE		#1	A/11	NA	10-27-45/1-7-46	200	6-22-49 Shot 620 qts 4231-4391	8-5/8" @ 1267: 7" @ 3540 50 sx 8-5/8" @ 1232: 5 1/2" @ 4062 50 sx	4150 to 4153	4153	
		#2	H/11	NA	2-14-46/6-14-46	100	10-25-47 Shot 320 qts 4160-4286		4160-74: 4248-52: 4285-95	4292	

9023

TABLE NO. 2 - SHEET NO. 3

BEFORE EXAMINER UTZ
OIL CONSERVATION & DEVELOPMENT
EXHIBIT NO. _____
CASE NO. _____



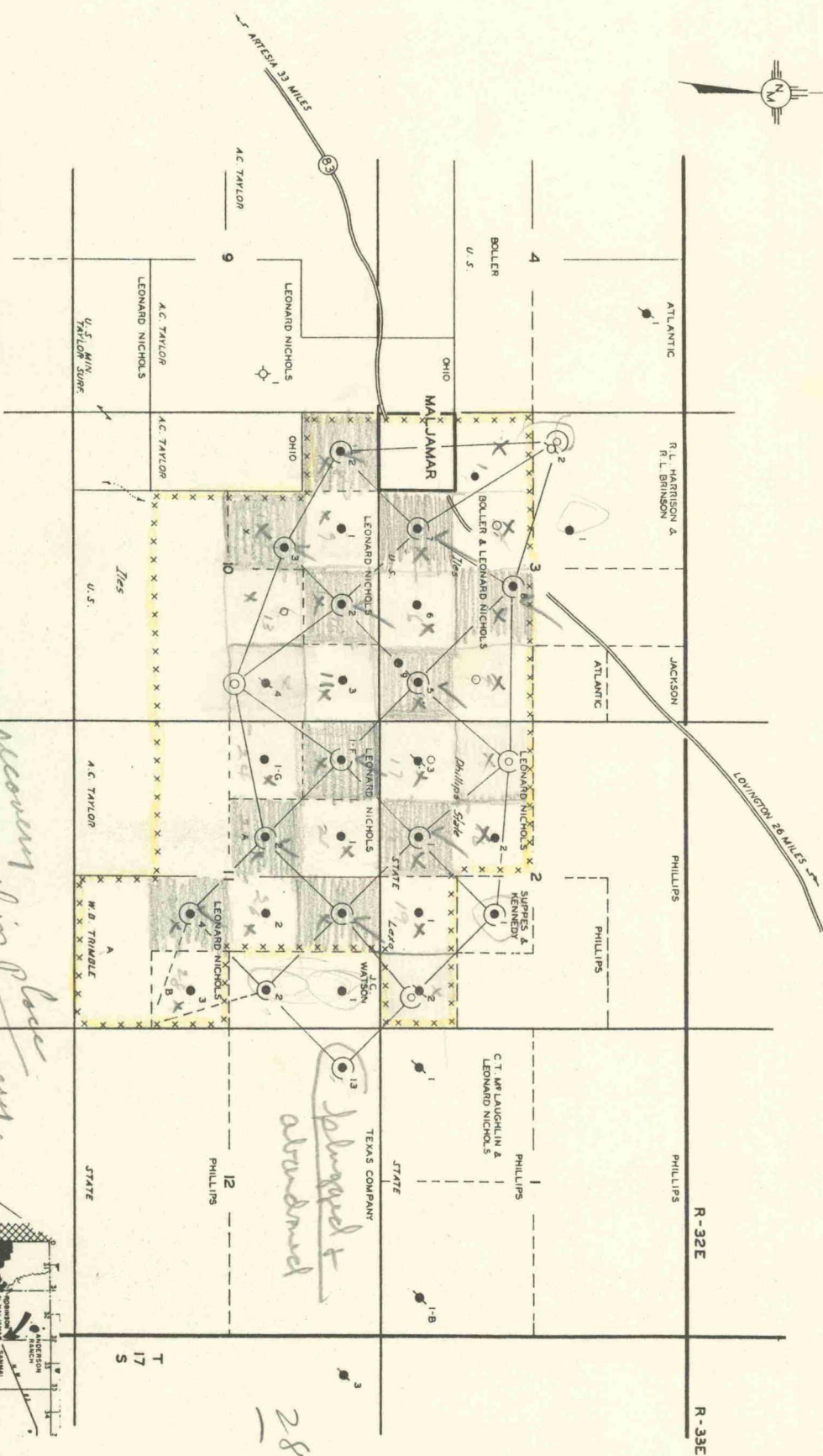
V = inspection wells

PROPOSED WATER-FLOOD DEVELOPMENT MAP

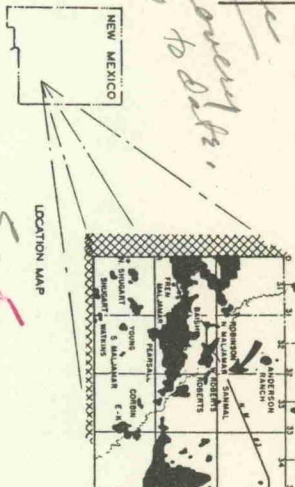
ROBERTS FIELD
LEA COUNTY, NEW MEXICO



WATER-FLOOD ASSOCIATES, INC.
FORT WORTH, TEXAS



Primary recovery oil in place
15-18% of orig flood recovery to date.
2,200,000 water flood 1,000 psi
have recovered 1,000 psi



Water Requirements - 350 BPD/well 1500-1800 psi 3850 B/D for 11 wells