

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

## OIL CONSERVATION DIVISION

2040 Pacheco St.  
Santa Fe, NM 87505

WELL API NO. 30-025-33337
Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE
State Oil & Gas Lease No. B-2516
Lease Name or Unit Agreement Name SEMGAU
Well No. 614
Pool name or Wildcat Maljamar Grayburg-San Andres

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Water Injector	
Name of Operator Cross Timbers Operating Company	
Address of Operator 3000 N. Garfield, Suite 175, Midland, TX 79701	
Well Location Unit Letter N : 1070 Feet From The South Line and 1888 Feet From The West Line Section 29 Township 17S Range 33E NMPM Lea County	
Elevation (Show whether DF, RKB, RT, GR, etc.) 4052' GR	

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Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐  
OTHER: ☐

### SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ANBANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: Convert to Water Injection Well ☒

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Rigged up pulling unit. Installed BOP. Pulled and laid down rods, pump & production tubing. Ran nickle plated Arrowset 1-XS packer on 2-3/8" salt lined tubing. Pumped packer fluid in annulus. Set tubing & packer @ 4215'. Removed BOP. Installed wellhead. Press tested tubing/casing annulus to 500 psig. Held OK (chart attached). Moved off pulling unit. Started water injection on May 20, 1998 at an estimated rate of 171 BWPD @ 0 psi.

PER ADMINISTRATIVE ORDER NO. WFX-731

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Janice Courtney TITLE Regulatory Tech DATE 06-01-98  
TYPE OR PRINT NAME Janice Courtney TELEPHONE NO. 915/682-8873

(This space for State Use)

ORIGINAL SIGNED BY CHRIS WILLIAMS  
DISTRICT I SUPERVISOR

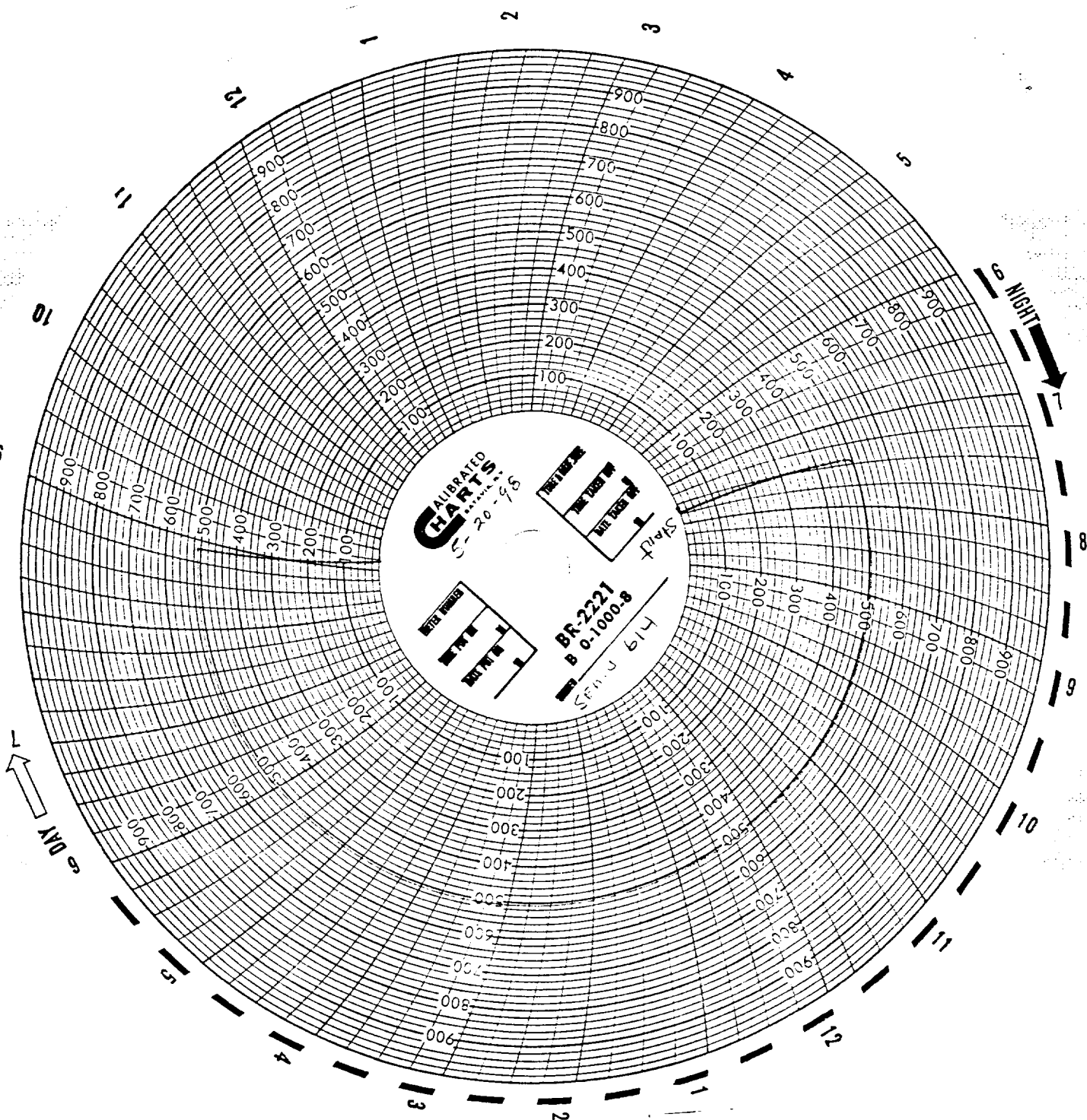
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE JUN 08 1998

CONDITIONS OF APPROVAL, IF ANY:

IRSN

JP

PRINTED IN U.S.A. 6



REC'D. / MIDLAND

MAY 27 1998



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

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

*CW*  
*Donna*

ADMINISTRATIVE ORDER NO. WFX-731

**APPLICATION OF CROSS TIMBERS OPERATING 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-3469 as amended, Cross Timbers Operating Company has made application to the Division on December 4, 1997 for permission to expand its Southeast Maljamar Grayburg-San Andres 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, Cross Timbers Operating Company, be and the same is hereby authorized to inject water into the Grayburg formation at approximately 4218 feet to approximately 4395 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 .2 psi per foot of depth to the uppermost injection perforations of each well as indicated 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 Grayburg 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.

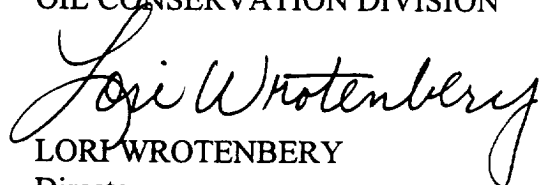
The subject wells shall be governed by all provisions of Division Order No. R-3134, as amended and Rules 702-706 of the Division Rules and Regulations not inconsistent herewith.

PROVIDED FURTHER THAT, jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh water or (2) consistent with the requirements in this order, whereupon 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 10th day of February, 1998.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
LORI WROTENBERY  
Director

S E A L

LW/BES/kv

cc: Oil Conservation Division - Hobbs /  
Case File No.3462

**EXHIBIT "A"**  
**DIVISION ORDER NO. WFX-731**  
**SOUTHEAST MALLAMAR GRAYBURG-SAN ANDRES UNIT WATERFLOOD PROJECT**  
**APPROVED INJECTION WELLS**

<i>Well Name</i>	<i>Well No.</i>	<i>Location</i>	<i>Unit</i>	<i>S-T-R</i>	<i>Injection Interval</i>	<i>Packer Depth</i>	<i>Tubing Size</i>	<i>Pressure Gradient</i>	<i>Injection Pressure</i>
SEMGSAU	15	500' FNL & 330' FWL	D	32-17S-33E	4322'-4395'	4262'	2 3/8"	.2 psi/ft	864 PSIG
SEMGSAU	106	1040' FSL & 420' FEL	P	30-17S-33E	4218'-4279'	4158'	2 3/8"	.2 psi/ft	844 PSIG
SEMGSAU	610	1310' FSL & 750' FWL	M	29-17S-33E	4252'-4278'	4192'	2 3/8"	.2 psi/ft	838 PSIG
SEMGSAU	614	1070' FSL & 1888' FWL	N	29-17S-33E	4250'-4308'	4190'	2 3/8"	.2 psi/ft	850 PSIG
SEMGSAU	710	1165' FSL & 2010' FEL	O	29-17S-33E	4272'-4324'	4212'	2 3/8"	.2 psi/ft	854 PSIG
SEMGSAU	714	1200' FSL & 900' FEL	P	29-17S-33E	4282'-4332'	4222'	2 3/8"	.2 psi/ft	856 PSIG

All wells in Lea County, New Mexico