

NEW MEXICO OIL CONSERVATION COMMISSION

APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR <b>A. H. RAINE</b>		ADDRESS <b>Box 927 CARLSBAD, N.M. 88220</b>	
LEASE NAME <b>EXXON STATE</b>	WELL NO. <b>8</b>	FIELD <b>MAGRUDER</b>	COUNTY <b>LODDY</b>
LOCATION UNIT LETTER <b>0</b> ; WELL IS LOCATED <b>1268</b> FEET FROM THE <b>SOUTH</b> LINE AND <b>2032</b> FEET FROM THE <b>EMST</b> LINE, SECTION <b>15</b> TOWNSHIP <b>21S</b> RANGE <b>27E</b> NMPM.			

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	<b>8 5/8"</b>	<b>175'</b>	<b>CIRCULATION</b>	<b>SURFACE</b>	<b>CIRCULATION</b>
INTERMEDIATE					
LONG STRING	<b>5 1/2"</b>	<b>565'-570'</b>	<b>CIRCULATION</b>	<b>SURFACE</b>	<b>CIRCULATION</b>
TUBING			NAME, MODEL AND DEPTH OF TUBING PACKER <b>GUIBERSEN HOOKWELL 565'</b>		
NAME OF PROPOSED INJECTION FORMATION <b>SANDY LIME POROUS ZONE</b>		TOP OF FORMATION <b>570'</b>		BOTTOM OF FORMATION <b>600'</b>	
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? <b>2 3/8 TUBING</b>		PERFORATIONS OR OPEN HOLE? <b>OPEN HOLE</b>	PROPOSED INTERVAL(S) OF INJECTION <b>POROUS ZONE</b>		
IS THIS A NEW WELL DRILLED FOR DISPOSAL? <b>YES</b>	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? <b>FOR DISPOSING OF WATER</b>		HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? <b>NO</b>		

LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH  
**NONE**

DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA <b>NONE</b>	DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA <b>NONE</b>	DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA <b>NONE</b>
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ANTICIPATED DAILY INJECTION VOLUME (BBLS.) <b>UNKNOWN</b>	MINIMUM	MAXIMUM	OPEN OR CLOSED TYPE SYSTEM <b>CLOSED</b>	IS INJECTION TO BE BY GRAVITY OR PRESSURE? <b>GRAVITY</b>	APPROX. PRESSURE (PSI) <b>—</b>
ANSWER YES OR NO WHETHER THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE —			WATER TO BE DISPOSED OF <b>YES</b>	NATURAL WATER IN DISPOSAL ZONE. <b>YES</b>	ARE WATER ANALYSES ATTACHED? <b>YES</b>

NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND)  
**STATE LAND J.D. SPEARS GRAZING LEASE Box 1017 CARLSBAD, N.M. 88220**

LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL  
**GATE PETROLEUM CORPORATION, ARTESIA, N.M. 88210**  
**PERRY BASS MIDLAND, TX**

HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING? <b>YES</b>	SURFACE OWNER <b>YES</b>	EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL <b>YES</b>	THE NEW MEXICO STATE ENGINEER <b>YES</b>
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B) <b>YES</b>	PLAT OF AREA <b>YES</b>	ELECTRICAL LOG <b>YES</b>	DIAGRAMMATIC SKETCH OF WELL <b>YES</b>

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

**A. H. Raine** OPERATOR **12-10-74**  
(Signature) (Title) (Date)

NOTE: Should waivers from the State Engineer, the surface owner, and all operators within one-half mile of the proposed injection well not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing, if the applicant so requests. SEE RULE 701.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

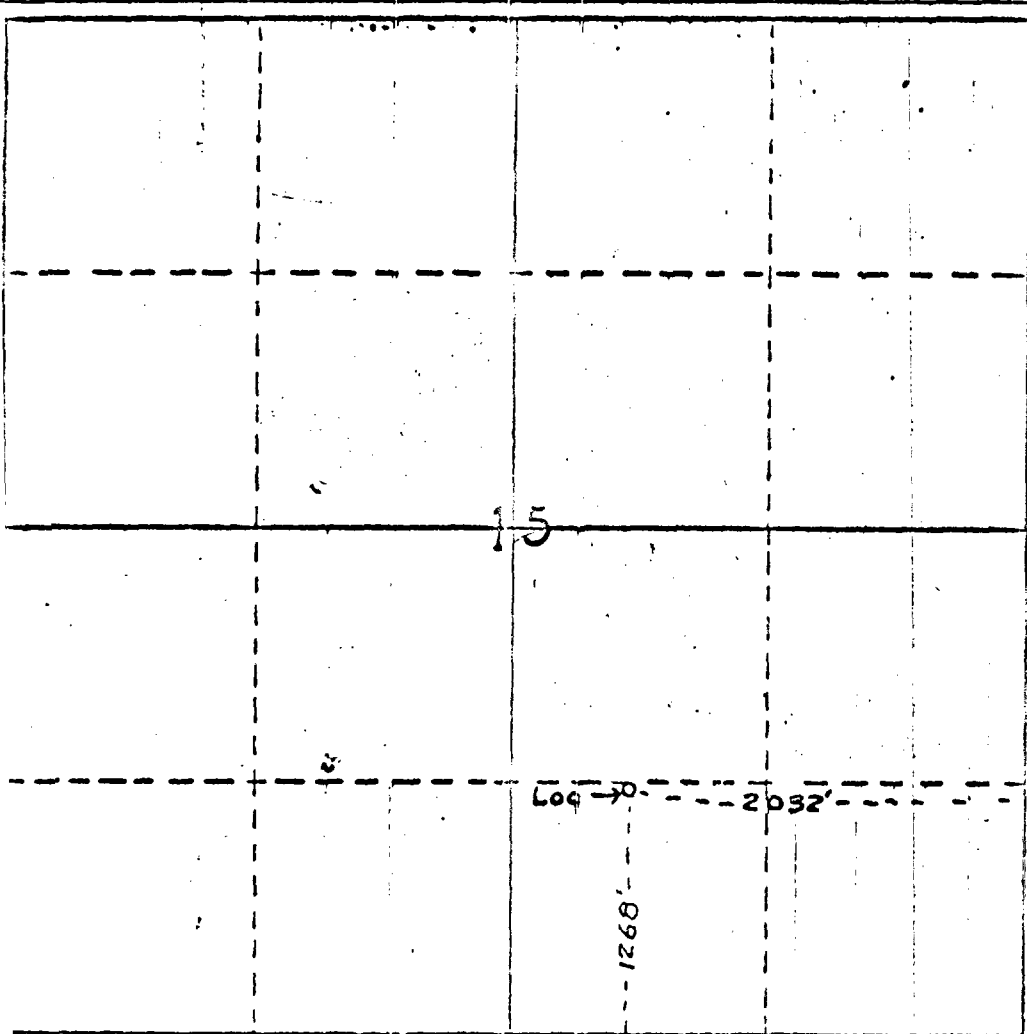
Operator <b>A. H. RAINS</b>		Lease <b>STATE</b>			Well No. <b>8</b>
Unit Letter <b>0</b>	Section <b>15</b>	Township <b>21 S</b>	Range <b>27 E</b>	County <b>EDDY</b>	
Actual True True Location of Well <b>1268</b> feet from the <b>SOUTH</b> line and <b>2032</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>3274'</b>	Producing Formation <b>YATES</b>	Pool <b>MAGRUDER-YATES</b>		Dedicated Acreage  Area	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

**A. H. RAINS**

Name

**OPERATOR**

Position

**A. H. RAINS**

Company

**9-13-1974**

Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

**08-29-76**

Registered Professional Engineer and/or Land Surveyor

**Geo. D. Riggs**

Certificate No.

**707**

Magruder Field

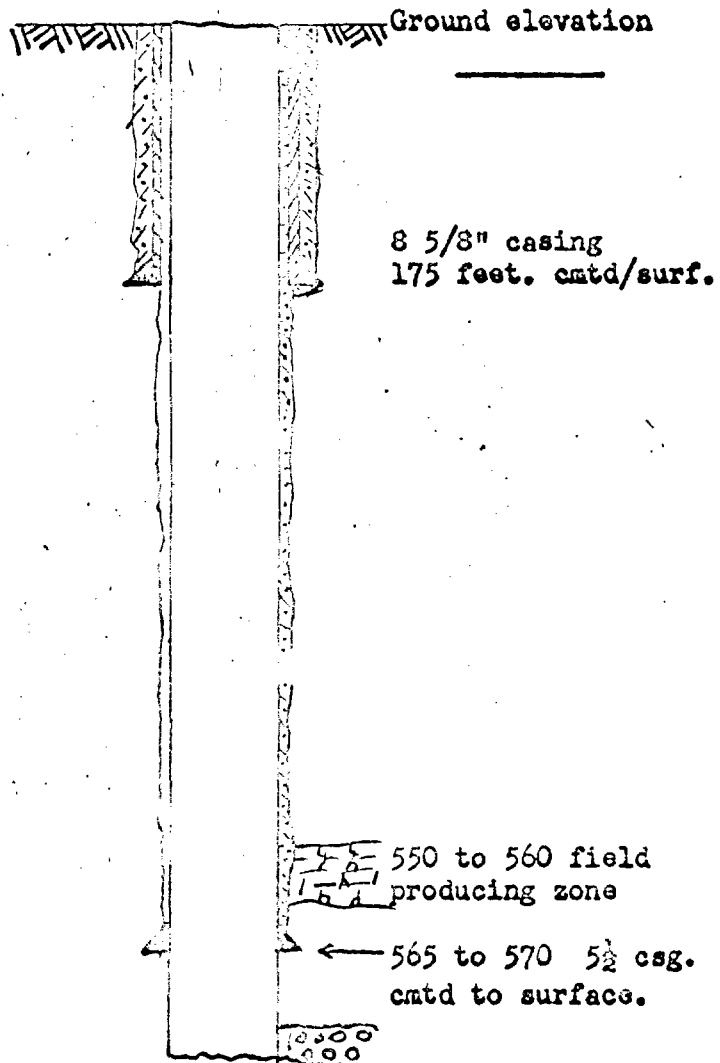
Water Disposal Well

Case No. 5753

Order No. R 5217 as amended

"(2)

(b) Schematic drawing of proposed disposal well to show casing, tubing, and depth of well and porous zones.



It is proposed to use the next salt water zone, below the field producing zone, for disposal of produced water.

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 3, 1978

C  
O  
P  
Y  
A. H. Rains  
Box 927  
Carlshad, New Mexico 88220

Re: Administrative Order No. SWD-180

Dear Sir:

Enclosed herewith please find Administrative Order No. SWD-180 for the following described well:

Exxon State Well No. 8 located in Unit O of Section 15, Township 21 South, Range 27 East, NMPM, Lea County, New Mexico.

Very truly yours,

JOE D. RAMEY  
Secretary-Director

JDR/CU/og

cc: Oil Conservation Commission  
Box 1980  
Hobbs, New Mexico

STATE OF TEXAS  
COUNTY OF [ ]  
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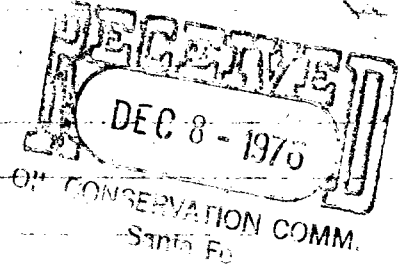
[ ]

885-4397

Box 927

Carlsbad, N.M. 88220

November 29, 1976



Application of A. H. Raines for  
Amendment of Order No R-5217,  
Case No. 5753  
Eddy County, New Mexico

To The Order of Commission

Director: Joe D. Ramey  
State Geologist: Emery C. Arnold

Enclosed are Commission Orders recently  
entered in the subject case

A. H. Raines

5681

5753

Case 5681 (Order R-5217) gave permit to use Pure State #1  
in J-15-215-27E re disposal well

Case 5753 (Order R-5217-A) gave permit to use above well  
as a producer and use a substitute on the pure State lease  
in sec 15 for disposal.

Nothing said about Exxon State lease nor "State" lease  
in Unit 0 of sec 15.

Resubmitted