

SUBJECT: SALT WATER DISPOSAL WELL

ORDER NO. SWD-180

THE APPLICATION OF A. H. RAINS FOR
A SALT WATER DISPOSAL WELL.

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 701 (C), A. H. Rains made application to the New Mexico Oil Conservation Commission on December 13, 1976, for permission to complete for salt water disposal his Exxon State Well No. 8 located in Unit O of Section 15, Township 21 South, Range 27 East, NMPM, Lea County, New Mexico.

The Secretary-Director finds:

1. That application has been duly filed under the provisions of Rule 701 (C) of the Commission Rules and Regulations;
2. That satisfactory information has been provided that all offset operators and surface owners have been duly notified;
3. That the applicant has presented satisfactory evidence that all requirements in Rule 701 (C) will be met.
4. That no objections have been received within the waiting period prescribed by said rule.

IT IS FURTHER ORDERED:

That the applicant herein, A. H. Rains, is hereby authorized to complete its Exxon State Well No. 8 located in Unit O of Section 15, Township 21 South, Range 27 East, NMPM, Eddy County, New Mexico, in such a manner as to permit the injection of salt water for disposal purposes into the Yates formation at approximately 570 feet to approximately 600 feet through 2 3/8 inch plastic lined tubing set in a packer located at approximately 565 feet.

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.

That 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.

That the operator shall notify the supervisor of the Commission's Artesia District Office before injection is commenced through said well.

That the operator shall immediately notify the supervisor of the Commission's Artesia Office of the failure of the tubing, casing, or packer in said well or the leakage of water from or around said well and shall take such steps as may be timely or necessary to correct such failure or leakage.

-2-

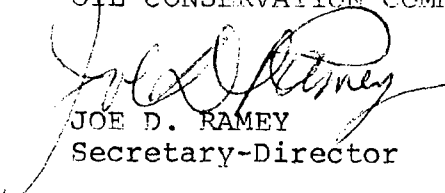
Salt Water Disposal - A. H. Rains

PROVIDED FURTHER

That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after notice and hearing, the Commission may terminate the authority hereby granted in the interest of conservation. That applicant shall submit monthly reports of the disposal operation in accordance with Rule 704 and 1120 of the Commission Rules and Regulations.

APPROVED at Santa Fe, New Mexico, on this 31st day of December.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION



JOE D. RAMEY
Secretary-Director

S E A L

NEW MEXICO OIL CONSERVATION COMMISSION
APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR A. H. RAINS		ADDRESS Box 927 CARLSBAD, N.M. 88222	
LEASE NAME EXXON STATE	WELL NO. 8	FIELD MAGRUDER	COUNTY LODGE
LOCATION UNIT LETTER C ; WELL IS LOCATED 1268 FEET FROM THE SOUTH LINE AND 2032 FEET FROM THE EAST LINE, SECTION 15 TOWNSHIP 21S RANGE 27E NMPM.			

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	8 5/8"	175'	CIRCULATION	SURFACE	CIRCULATION
INTERMEDIATE					
LONG STRING	5 1/2"	565'-570'	CIRCULATION	SURFACE	CIRCULATION
TUBING			NAME, MODEL AND DEPTH OF TUBING PACKER GUIBERSON HOOKWELL 565'		

NAME OF PROPOSED INJECTION FORMATION SANDY LINE POROUS ZONE		TOP OF FORMATION 570'	BOTTOM OF FORMATION 600'
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? 2 3/8 TUBING	PERFORATIONS OR OPEN HOLE? OPEN HOLE	PROPOSED INTERVAL(S) OF INJECTION POROUS ZONE	
IS THIS A NEW WELL DRILLED FOR DISPOSAL? YES	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? FOR DISPOSING OF WATER	HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? NO	

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 NONE		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA NONE		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA NONE	
ANTICIPATED DAILY INJECTION VOLUME (BBLs.) UNKNOWN	MINIMUM	MAXIMUM	OPEN OR CLOSED TYPE SYSTEM CLOSED	IS INJECTION TO BE BY GRAVITY OR PRESSURE? GRAVITY	APPROX. PRESSURE (PSI) —
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 YES	NATURAL WATER IN DISPOSAL ZONE YES	ARE WATER ANALYSES ATTACHED? YES

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. 88222	
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? YES	SURFACE OWNER YES	EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL YES	THE NEW MEXICO STATE ENGINEER YES
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B) YES	PLAT OF AREA YES	ELECTRICAL LOG YES	DIAGRAMMATIC SKETCH OF WELL YES

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

A. H. Rains
(Signature)

OPERATOR
(Title)

12-16-1974
(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
Superseded C-128
Effective 1-1-65

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

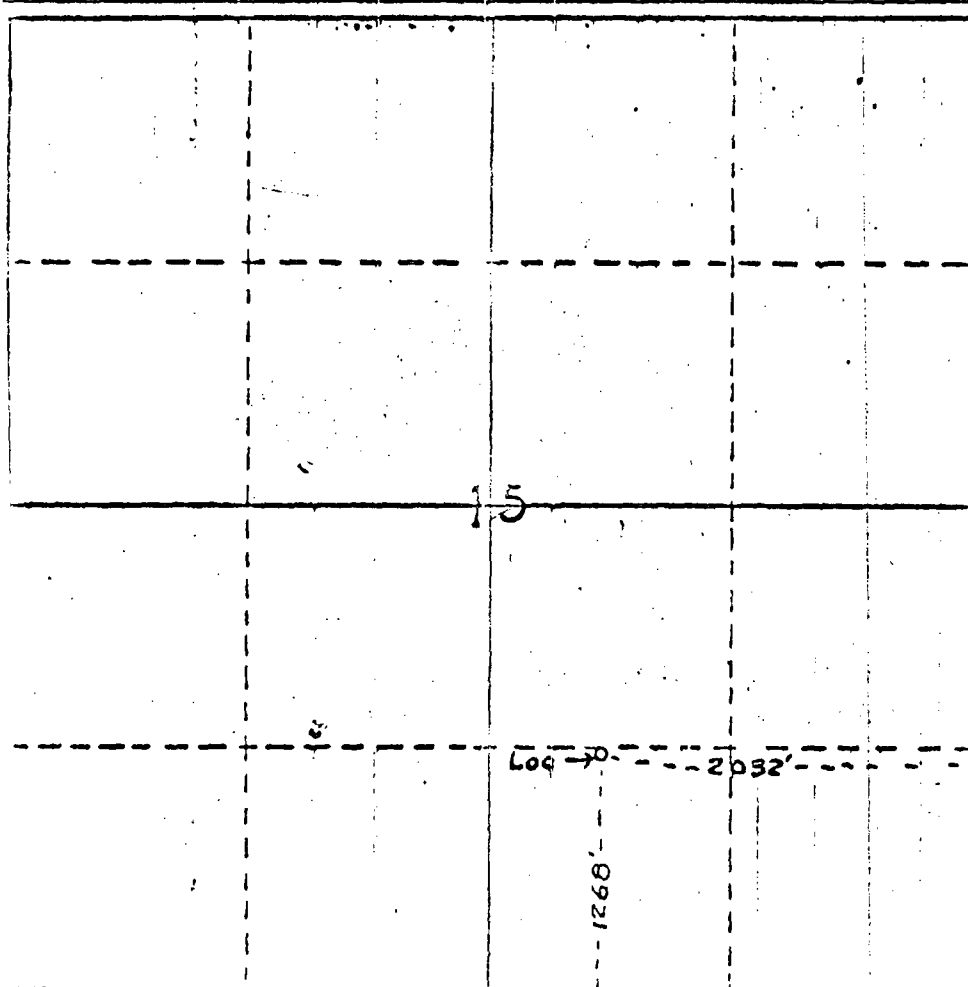
Operator H. H. RAINS			Lease STATE		Well No. 8
Unit Letter 0	Section 15	Township 21 S	Range 27 E	County EDDY	
Actual Location of Well 1265 feet from the SOUTH line and 2032 feet from the EAST line					
Ground Level Elev. 3274	Producing Formation YATES		Pool MAGRUDER-YATES		Dedicated Acreage 1 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. 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

9-13-1976

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

320 640 960 1280 1600 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 5120 5440 5760 6080 6400

Magruder Field

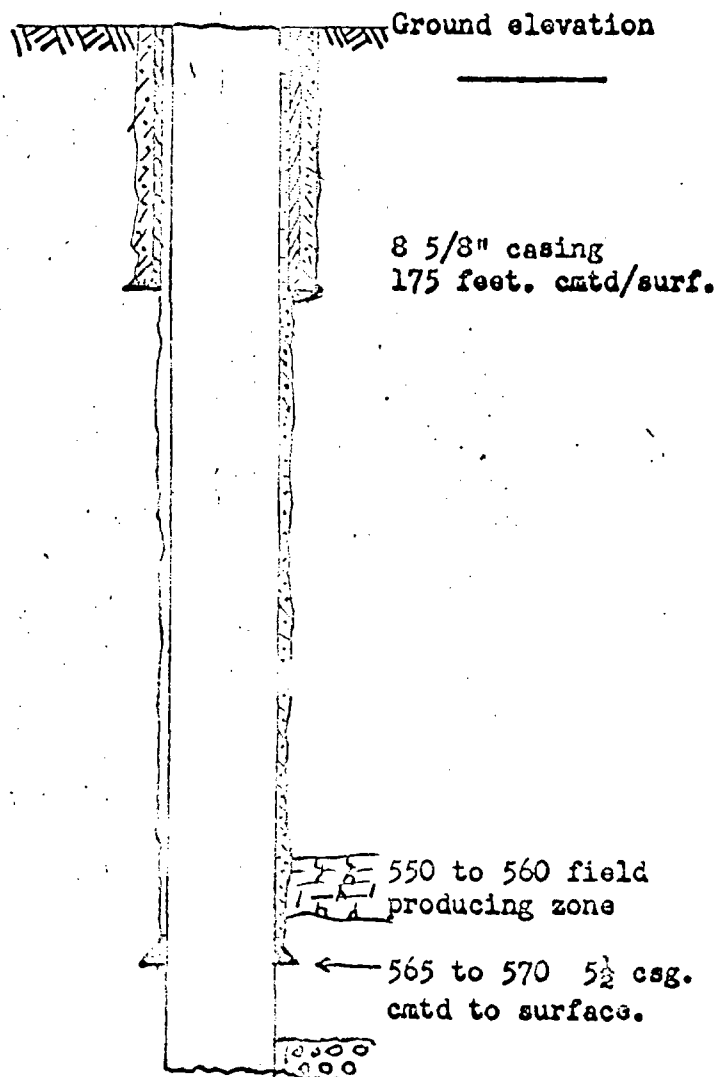
Water Disposal Well

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, Town-
ship 21 South, Range 27 East,
NMPM, Lea County, New Mexico.

Very truly yours,

JOE D. RAMEY
Secretary-Director

JDR/CU/og

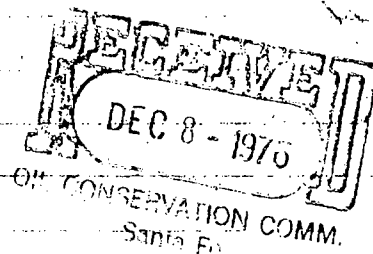
cc: Oil Conservation Commission
Box 1980
Hobbs, New Mexico

885-4397

Box 927

Carlsbad, N.M. 88220

November 29, 1976



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

To The Order of Commission

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

Enclosed are Commission Orders recently
entered in the subject case

A. H. Kairns

5681
5753

Case 5681 (Order R-5217) gave permit to use Pure State #1
in J-15-215-27E no 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