

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, New Mexico, 88220	
LEASE NAME Exxon State	WELL NO. 8	FIELD Magruder-Yates	COUNTY Eddy
LOCATION UNIT LETTER 0 WELL IS LOCATED 1268 FEET FROM THE South LINE AND 2032 FEET FROM THE East TOWNSHIP 21 South RANGE 27 East			

CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	8"	175'	Circulated		
INTERMEDIATE					
LOGS STRING					
To Be Set	5 1/2"	540'-600'	Circulated	Surface	
TUBING	2 3/8"	540'-600'	NAME, MODEL AND DEPTH OF TUBING PACKER Guiberson Hookwall 540'-600'		
NAME OF PROPOSED INJECTION FORMATION Yates			TOP OF FORMATION Unknown		BOTTOM OF FORMATION Unknown
IS INJECTION THROUGH TUBING, CASING, OR ARISTOLUST?		PERFORATIONS ON OPEN HOLE?		PROPOSED INTERVAL(S) OF INJECTION	
No		Open Hole		550'-700'	
IS THIS A NEW WELL DRILLED FOR DISPOSAL?		IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED?		HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE?	
Yes		Water Disposal		No	
ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR HOLES IN EACH					
No Fresh Water In Area					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA	
None		None		11,000' Gas	
APPROXIMATE DAILY INJECTION VOLUME (BBL/DAY)	MINIMUM	MAXIMUM	OPEN OR CLOSED TYPE SYSTEM	IS INJECTION TO BE BY GRAVITY OR PRESSURE?	APPROX. PRESSURE (PSI)
			Closed	Gravity	125
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		NATURAL WATER IN DISPOSAL ZONE
			Yes		Same
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND)			ARE WATER ANALYSES ATTACHED?		
J.D. Spears, Box 1017, Carlsbad, New Mexico, 88220			Yes		
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL					
Yates Petroleum Corporation, Artesia, New Mexico, 88210					
Perry Bass, Midland, Texas					
Application of A.H. Rains for amendment of Order No. R-5217, Eddy County, New Mexico.					
Applicant, in the above-styled cause, seeks the amendment of Order No. R-5217 to provide an administrative procedure for the approval of substitute or additional salt water disposal well on applicant's Pure State Lease in Section 15, Township 21 South, Range 27 East, Magruder Yates Pool, Eddy County, New Mexico.					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?		SURFACE OWNER		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)?		FLAT OF AREA		ELECTRICAL LOG	
				DIAGRAMMATIC SKETCH OF WELL	

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

(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.

RECEIVED

MEXICO OIL CONSERVATION COMMISS.

WELL LOCATION AND ACREAGE DEDICATION PLAT

FEB 15 1977

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

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

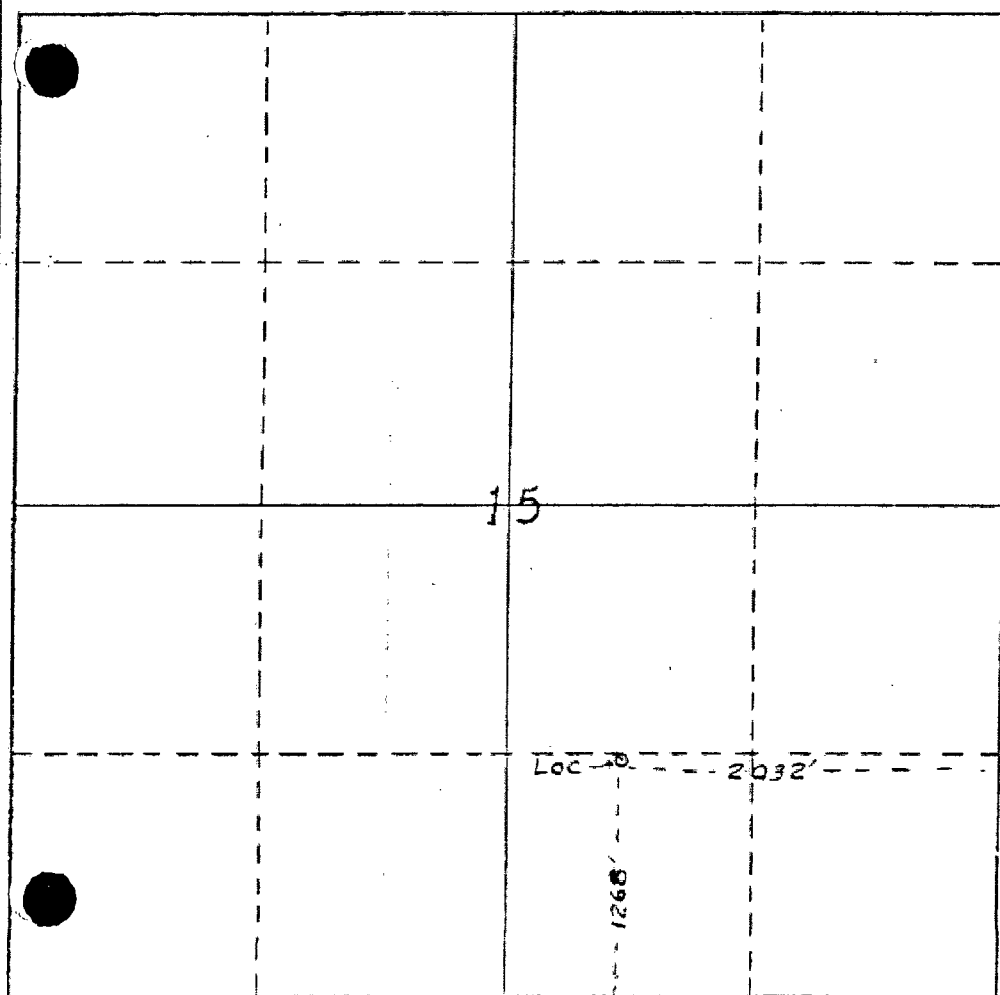
Operator A. H. RAINS O.C.C.			Lease STATE EXPLOR STATE		Well No. 8
Unit Letter 0	Section 15	Township 21S	Range 27E	County EDDY	
Actual Footage Location of Well: 1265 feet from the SOUTH line and 2032 feet from the EAST line					
Ground Level Elev. 3274'	Producing Formation YATES		Pool MAGRUDER-YATES		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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

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

0 300 600 900 1200 1500 1800 2100 2400 2700 3000 3300 3600

Magruder Field

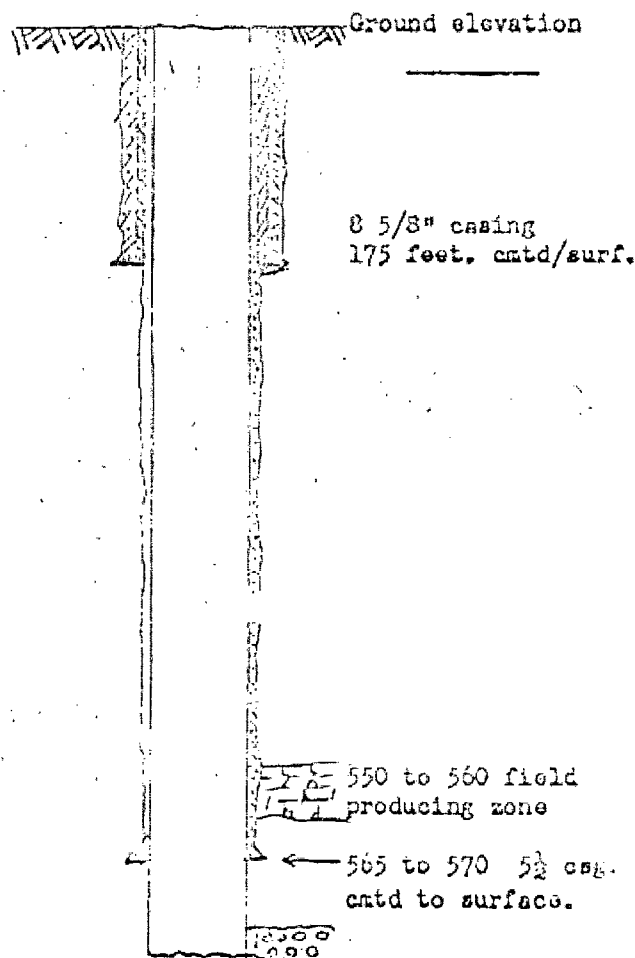
Water Disposal Well

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.