



Case 3903

CONTINENTAL OIL COMPANY

September 27, 1968

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

Attention of Mr. A. L. Porter, Jr., Secretary-Director

Re: Application for Amendment to
Order No. R-3486

Gentlemen:

Forwarded herewith in triplicate are completed forms C-108 requesting authority to inject produced water into our Payne Wells Nos. 11 and 12 in the El Mar Delaware Pool. Order No. R-3486 authorized injection into our Wilder Wells Nos. 24 and 27. It is now contemplated that the waterflood project include injection into wells on the down dip side of the structure so as to insure adequate injection capacity and to observe the effects of injection in this portion of the reservoir.

It is respectfully requested that this matter be set for hearing on your October 23, 1968 docket for amendment of Order No. R-3486 to authorize Payne Wells Nos. 11 and 12 as injection wells in the El Mar pilot waterflood project.

Yours very truly,

VTL-JS
cc: RLA JJB JWK
Attach

*As the subject wells
are on a separate lease
from previous order -
case will be admitted
on a separate flood.*
gms

DOCKET MAILED

Date 10-11-68

NEW MEXICO OIL CONSERVATION COMMISSION

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

OPERATOR Continental Oil Company		ADDRESS Box 460 Hobbs, New Mexico	
LEASE NAME Payne	WELL NO. 11	FIELD El Mar	COUNTY Lea
LOCATION UNIT LETTER <u>N</u> ; WELL IS LOCATED <u>660</u> FEET FROM THE <u>South</u> LINE AND <u>1650</u> FEET FROM THE <u>West</u> LINE, SECTION <u>30</u> TOWNSHIP <u>26S</u> RANGE <u>33E</u> NMPM.			
CASING AND TUBING DATA			
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT
SURFACE CASING	7 5/8	330	175
INTERMEDIATE	-	-	-
LONG STRING	4 1/2	4786	650
TUBING	2 3/8	4650'	NAME, MODEL AND DEPTH OF TUBING PACKER Baker Tension Model AD or equivalent set at 4650'
NAME OF PROPOSED INJECTION FORMATION Delaware		TOP OF FORMATION 4634	BOTTOM OF FORMATION Approx. 5750
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? tubing		PERFORATIONS OR OPEN HOLE? perfs.	PROPOSED INTERVAL(S) OF INJECTION 4675-81' 4749-51', & 4755-65'
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? producing oil well		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 -			
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA Est. 300'		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.)	MINIMUM 150	MAXIMUM 300	OPEN OR CLOSED TYPE SYSTEM closed
IS INJECTION TO BE BY GRAVITY OR PRESSURE? pressure		APPROX. PRESSURE (PSI) 1500	
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 - yes		WATER TO BE DISPOSED OF yes	
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) USA, lessee Mrs. Ida Goedeke Box 1264 Jal, New Mexico		NATURAL WATER IN DISPOSAL ZONE yes	
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL Tenneco Oil Company, Box 1031, Midland, Texas		ARE WATER ANALYSES ATTACHED? no	
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING? no		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL no	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B) yes		THE NEW MEXICO STATE ENGINEER no	
PLAT OF AREA		ELECTRICAL LOG no	
		DIAGRAMMATIC SKETCH OF WELL no	

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

Asst. Division Manager

September 26, 1968

(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

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

OPERATOR Continental Oil Company		ADDRESS Box 460 Hobbs, New Mexico	
LEASE NAME Payne	WELL NO. 12	FIELD El Mar	COUNTY Lea
LOCATION UNIT LETTER <u>F</u> ; WELL IS LOCATED <u>1935</u> FEET FROM THE <u>N</u> LINE AND <u>2090</u> FEET FROM THE <u>W</u> LINE, SECTION <u>31</u> TOWNSHIP <u>26S</u> RANGE <u>33E</u> NMPM.			

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	7 5/8	332	175	surface	circulated
INTERMEDIATE					
LONG STRING	4 1/2	4777'	975	surface	circulated
TUBING	2 3/8	4650'	NAME, MODEL AND DEPTH OF TUBING PACKER Baker Tension Model AD or equivalent @ 4650'		
NAME OF PROPOSED INJECTION FORMATION Delaware		TOP OF FORMATION 4618		BOTTOM OF FORMATION 5750	
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? tubing		PERFORATIONS OR OPEN HOLES perf.		PROPOSED INTERVAL(S) OF INJECTION 4733-40', 4666-71', 4685-94'	
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? producing oil well			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					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA Est. 300'		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.) 150	MINIMUM 300	MAXIMUM none	OPEN OR CLOSED TYPE SYSTEM closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? none	APPROX. PRESSURE (PSI) 1500
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? no
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) USA Lessee Mrs. Ida Goedeke, Box 1264, Jal, New Mexico					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL Tenneco Oil Company, Box 1031, Midland, Texas Humble Oil & Refining Company, Drawer M, Monahans, Texas					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING? no					
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B) yes					
SURFACE OWNER no		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL no		THE NEW MEXICO STATE ENGINEER no	
PLAT OF AREA yes		ELECTRICAL LOG no		DIAGRAMMATIC SKETCH OF WELL no	

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

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Case 7910