

## NEW MEXICO OIL CONSERVATION COMMISSION

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

OPERATOR <b>Southland Royalty Company</b>		ADDRESS <b>1108 W. 11th Bldg., Midland, Texas 79701</b>	
LEASE NAME <b>State "D"</b>	WELL NO. <b>1*</b>	FIELD <b>Wildcat</b>	COUNTY <b>Midland</b>
LOCATION UNIT LETTER <b>H</b> ; WELL IS LOCATED <b>1980</b> FEET FROM THE <b>North</b> LINE AND <b>660</b> FEET FROM THE <b>East</b> LINE, SECTION <b>31</b> TOWNSHIP <b>10-S</b> RANGE <b>33-E</b> NMPM.			

## CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13 3/8"	360	350	Cement circ.	
INTERMEDIATE	9 5/8"	3780	1650	Cement circ.	
LONG STRING <b>Liner</b>	4 1/2"	3600- 12,200	2500	Circ. cement to 3500'	back
TUBING	2 3/8"	12,000	NAME, MODEL AND DEPTH OF TUBING PACKER <b>Guiberson Shorty Tension set @ 12,000'</b>		

NAME OF PROPOSED INJECTION FORMATION <b>Devonian</b>		TOP OF FORMATION <b>12,000</b>	BOTTOM OF FORMATION <b>12,040' T.D.</b>
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? <b>Tubing</b>		PERFORATIONS OR OPEN HOLE? <b>Perforations</b>	PROPOSED INTERVAL(S) OF INJECTION <b>12,000-12,200</b>
IS THIS A NEW WELL DRILLED FOR DISPOSAL? <b>NO</b>	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? <b>Devonian test</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>1900</b>		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA <b>9800 (Penn.)</b>		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA <b>None</b>	
ANTICIPATED DAILY INJECTION VOLUME (BBL'S.) <b>1000</b>	MINIMUM <b>1000</b>	MAXIMUM <b>2000</b>	OPEN OR CLOSED TYPE SYSTEM <b>Open</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)

**Carl Johnson, Box 916, Tatum, N.M. (Originally State land, but <sup>surface</sup> deeded in 1935)**

LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL

**Pubco Pet. Corp., Albuquerque, N.M.; Union Oil Co. of Calif., Union Oil Bldg. Midland, Texas****\*Well originally drilled by Cabot Carbon Co., plugged 2-24-57 at a T.D. of 12,040'. We propose to deepen well to 12,200'.****\*\*Water analysis of water to be disposed is attached.  
Analysis of natural water in disposal zone not available.****Other operators in area are disposing of produced water in this zone.**

HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?	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)	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.

**C.H. Carr**  
(Signature)**District Engineer**  
(Title)**March 17, 1967**  
(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.