

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

OPERATOR Southern Union Exploration Company		ADDRESS 1800 First International Bldg., Dallas, Tx.	
LEASE NAME Susco State	WELL NO. 3	FIELD Flying "M" San Andres	COUNTY Lea
LOCATION UNIT LETTER <u>N</u> ; WELL IS LOCATED <u>660'</u> FEET FROM THE <u>South</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE, SECTION <u>19</u> TOWNSHIP <u>9-S</u> RANGE <u>33-E</u> NMPM.			

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13 3/8"	364'	350	Surface	Circulated
INTERMEDIATE	8 5/8"	3664'	1600	Surface	Circulated
LONG STRING	4 1/2"	4523'	300	± 2870'	Circulated
TUBING	2 3/8"	4261	NAME, MODEL AND DEPTH OF TUBING PACKER Howco Tension Packer		

NAME OF PROPOSED INJECTION FORMATION San Andres		TOP OF FORMATION 3689'	BOTTOM OF FORMATION 5020'
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLE? Perforations	PROPOSED INTERVAL(S) OF INJECTION 4300' - 4346'
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Oil Production		HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? Yes

LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH

4368'-4377', CIBP @ 4364' with cement cap

DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 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 Glorieta 5020'
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ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 40	MINIMUM 100	MAXIMUM 100	OPEN OR CLOSED TYPE SYSTEM Open	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (PSIG)
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 No	NATURAL WATER IN DISPOSAL ZONE No	ARE WATER ANALYSES ATTACHED? Yes

NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND)

Margaret McGuffin - P. O. Box 344 - Caprock, New Mexico 88213

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

Phillips Petroleum Company - Phillips Building - 4th & Washington - Odessa, Texas 79761

Clajon - P. O. Box 1668 - Ft. Stockton, Texas 79735

Cleary Petroleum - P. O. Drawer 2358 - Midland, Texas 79702

Shell Oil Company - P. O. Box 1509 - Midland, Texas 79702

Arco - P. O. Box 1610, Midland, Texas 79702

Coastal States Gas Producing - Permian Building - Midland, Texas 79701

Latham, et al - P. O. Box 1392, Hobbs, New Mexico 88240

HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?	SURFACE OWNER Yes	EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL Yes	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)	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.

Agent

6-19-78

(Signature)

(Title)

(Date)

NOTE: Should waivers from 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.