

NEW MEXICO OIL CONSERVATION COMMISSION

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

OPERATOR Ernest A. Hanson		ADDRESS P. O. Box 1515, Roswell, New Mexico	
LEASE NAME Welch Federal	WELL NO. 2	FIELD E. Millman-Queen-Grayburg	COUNTY Eddy
LOCATION UNIT LETTER F ; WELL IS LOCATED 1650 FEET FROM THE North LINE AND 2310 FEET FROM THE West LINE, SECTION 22 TOWNSHIP 19-S RANGE 28-E NMPM.			

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	8-5/8"	550'	50	396'	Estimated
INTERMEDIATE					
LONG STRING	7"	2196'	120	216'	Estimated
TUBING	2-3/8"	1650'	NAME, MODEL AND DEPTH OF TUBING PACKER HOWCO R-3 @ 1650'		

NAME OF PROPOSED INJECTION FORMATION Queen Formation	TOP OF FORMATION 1584'	BOTTOM OF FORMATION 1919'
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IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing	PERFORATIONS OR OPEN HOLE? Perforations	PROPOSED INTERVAL(S) OF INJECTION 1724-1736'
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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 PERFORMED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? Yes
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LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH
2 Jets Per Foot @ 1723-1740'. Squeezed with 200 sacks @ 5000 psi.

DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA Unknown	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 1994'
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ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 30	MINIMUM 43	MAXIMUM Open	OPEN OR CLOSED TYPE SYSTEM Open	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (PSI) 1000
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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	NATURAL WATER IN DISPOSAL ZONE Yes	ARE WATER ANALYSES ATTACHED? Yes
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NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND)
H. A. Lindley, P. O. Box 628, Carlsbad, New Mexico

LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL
Depco, Inc., 1025 Petroleum Club Bldg., Denver, Colorado 80202

W. C. Welch, P. O. Box 558, Artesia, New Mexico

RECEIVED APR 15 1969 U.S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO

RECEIVED APR 29 1969 O.G.E. ARTESIA OFFICE

RECEIVED APR 29 1969 O.G.E. ARTESIA OFFICE

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.

Harry F. Schumann
(Signature)

Exploration Manager
(Title)

Dec. 17, 1968
(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.