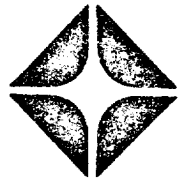


North American Producing Division
Permian District West Area
Post Office Box 1110
Hobbs, New Mexico 88240
Telephone 505 393 7163

George V. Ricks, Superintendent
Production & Drilling



November 29, 1978

Oil Conservation Division
Department of Energy & Minerals
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico

Attn: Mr. Joe Ramey
Secretary-Director

Re: Application to Dispose of Salt Water
by Injection into a Porous Formation
Form C-108
Lea 396 State No. 1
Dean Field
Lea County, New Mexico
Section 35, T15S, R36E
1980' FSL & 2010' FWL

Gentlemen:

Atlantic Richfield Company makes application to convert to a Salt Water Disposal Well its Lea 396 State No. 1 in Section 35, T15S, R36E, Lea County, New Mexico. The application is being submitted under Rule 701-C which allows the Secretary-Director to grant an exception to the requirements of Rule 701-A. In support we are submitting Commission Form C-108 in triplicate. Copies of the application have been sent to all offset operators and to the surface owners.

It is our intention to dispose of produced water from three wells which are shown on the attached plat. These wells are the Dow Federal No. 1 (Dean Permo Penn), the Lea 396 State No. 2 (Dean Permo Penn), and the J. P. Dean No. 1 (Dean Devonian). The total produced water will average from 150-200 BWPd.

The subject well is presently temporarily abandoned in the Dean Permo Penn and Dean Devonian Field. The Commission was notified by Form C-103 on 3/29/76 of our intention to plug and abandon this wellbore. The well has been held as a backup for the Lea 396 State No. 3, the former disposal well. The No. 3 has developed communication and is presently being plugged.

Oil Conservation Division
Department of Energy & Minerals
November 29, 1978
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We intend to dispose of produced water into the Devonian perforations at 13592-602' and 13625-654'. All open perforations in the Penn section will be isolated with packers prior to converting to an injection well.

If we can supply additional information in support of the application, please advise.

Very truly yours,



L. D. Lane

LDL:kd

cc: NMOCC
P. O. Box 1980
Hobbs, New Mexico
Offset Operators
G. V. Ricks - Hobbs
L. C. Hudry - Hobbs
W. D. Farris - Hobbs
NMOCC Engineer
P. O. Box 2088
Santa Fe, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION

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

OPERATOR Atlantic Richfield Company		ADDRESS P. O. Box 1610, Midland, Texas 79702	
LEASE NAME Lea 396 State	WELL NO. 1	FIELD Dean Devonian	COUNTY Lea
LOCATION UNIT LETTER K ; WELL IS LOCATED 1980 FEET FROM THE South LINE AND 2010 FEET FROM THE West LINE, SECTION 35 TOWNSHIP 15S RANGE 36E NMPM.			

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13-3/8"	300'	350	Surface	Circulated
INTERMEDIATE	9-5/8"	4926'	2600	1980	TOC
LONG STRING	7"	13685'	100	9749	TOC
TUBING	2-3/8"	NAME, MODEL AND DEPTH OF TUBING PACKER Permanent			
NAME OF PROPOSED INJECTION FORMATION Devonian			TOP OF FORMATION 13,602'		BOTTOM OF FORMATION 13,689' TD
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLE? Perforation		PROPOSED INTERVAL(S) OF INJECTION 13590-13685'	
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No		IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? completed 1/6/56 as Devonian/Penn dual		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 Penn/10380-395' & 10630-665' (not squeezed)*. Permo Penn sec. sqzd 11432-433'w/					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 700'		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA NA		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 360 sx. NA	
ANTICIPATED DAILY INJECTION VOLUME (BBLs.)	MINIMUM 150	MAXIMUM 200	OPEN OR CLOSED TYPE SYSTEM closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? pressure	APPROX. PRESSURE (PSI) 2000
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
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) C. E. Alexander, Route No. 1, Box 40, Lovington, New Mexico 88260					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL					
J. M. Kelley, Elk Oil Company, Box 310, Roswell, New Mexico 88210					
J. P. Reedler, 501 Parkway, Schuylkill, PA 17972					
Marathon, P. O. Box 552, Midland, Texas 79702					
Gulf Oil, P. O. Box 1150, Midland, Texas 79702					
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	
				THE NEW MEXICO STATE ENGINEER 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.

Robert M. Malaise
(Signature)

Sr. Engineer

(Title)

11/16/78

(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.

*Will be squeezed and tested prior to converting to salt water disposal well.