

702-175
9-1/77

ELK OIL COMPANY

POST OFFICE BOX 310
ROSWELL, NEW MEXICO 88201

December 22, 1975

New Mexico Oil Conservation Commission
P O Box 2088
Santa Fe, New Mexico 87501

Re: Application to Dispose of Salt
Water by Injection into a Porous
Formation
New Mexico (85) No. 1
Tres Papalotes Field
Lea County, New Mexico

Gentlemen:

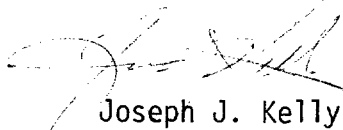
We are attaching our application for salt water disposal by injection into the San Andres zone between the base of the 8-5/8" casing at 4,584' and a cement plug at 5,907' in our New Mexico (85) No.1. The well is located in Section 28, T-14S, R-34E, Unit J, Lea County, New Mexico.

The New Mexico State (85) No. 1 was drilled to 10,554' on May 8, 1970 and was plugged and abandoned after testing noncommercial in the Pennsylvanian formation. The source of the proposed injection water is from our three producing wells in the field and the anticipated daily injection volume is 250 barrels, with approximately 1200 psi injection pressure.

We respectfully request your approval of this application.

Yours very truly,

ELK OIL COMPANY


Joseph J. Kelly
President

JKK/bjs

Encl: Form C-108, Diagrammatic Sketch, Electric Log, Plat, Mailing
list

cc: Surface owner and offset operators, w/encl.

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 7, 1976

Elk Oil Company
P. O. Box 310
Roswell, New Mexico 88201

Attention: Joseph J. Kelly

Re: Administrative Order SWD-175

Gentlemen:

Enclosed herewith please find Administrative Order
SWD-175 for the following described well:

New Mexico (85) Well No.
1 located in Unit J of
Section 28, Township 14
South, Range 34 East,
Lea County, New Mexico.

Very truly yours,

JOE D. RAMEY
Secretary-Director

JDR/CU/og

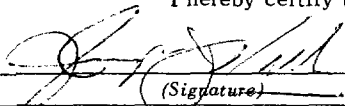
cc: Oil Conservation Commission
Box 1980
Hobbs, New Mexico

Oil & Gas Engineering Committee
Box 127
Hobbs, New Mexico

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

OPERATOR Elk Oil Company		ADDRESS P. O. Box 310, Roswell, N.M. 88201			
LEASE NAME New Mexico(85)	WELL NO. 1	FIELD Tres Papalotes Penn	COUNTY Lea		
LOCATION UNIT LETTER J ; WELL IS LOCATED 1980 FEET FROM THE East LINE AND 1830 FEET FROM THE South LINE, SECTION 28 TOWNSHIP 14S RANGE 34E NMPM.					
CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING 48#	13 3/8"	412'	450	Circulated	
INTERMEDIATE 24# & 32#	8 5/8 "	4540'	400 Lite wg. 100 Class C	910'	calculated
LONG STRING					
TUBING Proposed Setting	2 3/8"	4520'	NAME, MODEL AND DEPTH OF TUBING PACKER 2 3/8" x 8 5/8" Baker @ 4500'		
NAME OF PROPOSED INJECTION FORMATION San Andres		TOP OF FORMATION 4473'		BOTTOM OF FORMATION 5994'	
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing (Interior Plastic Coated)		PERFORATIONS OR OPEN HOLE? Open Hole		PROPOSED INTERVAL(S) OF INJECTION 4540' to 5907'	
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No		IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Originally drilled to Penn (Dry)		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 None					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 200'		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 Penn 10,420-10,550	
ANTICIPATED DAILY INJECTION VOLUME (BBL/S.) 250	MINIMUM 100	MAXIMUM 500	OPEN OR CLOSED TYPE SYSTEM Closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (PSI) 1200
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) C. A. Fort, Box 1085, Lovington, New Mexico 88260					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL					
John M. Kelly, Box 310, Roswell, New Mexico 88201					
Lone Star Producing Company, Box 4815, Midland, Texas 79701					
Sun Oil Company, Box 1861, Midland, Texas 79701					
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			
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B) 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.


(Signature)

President

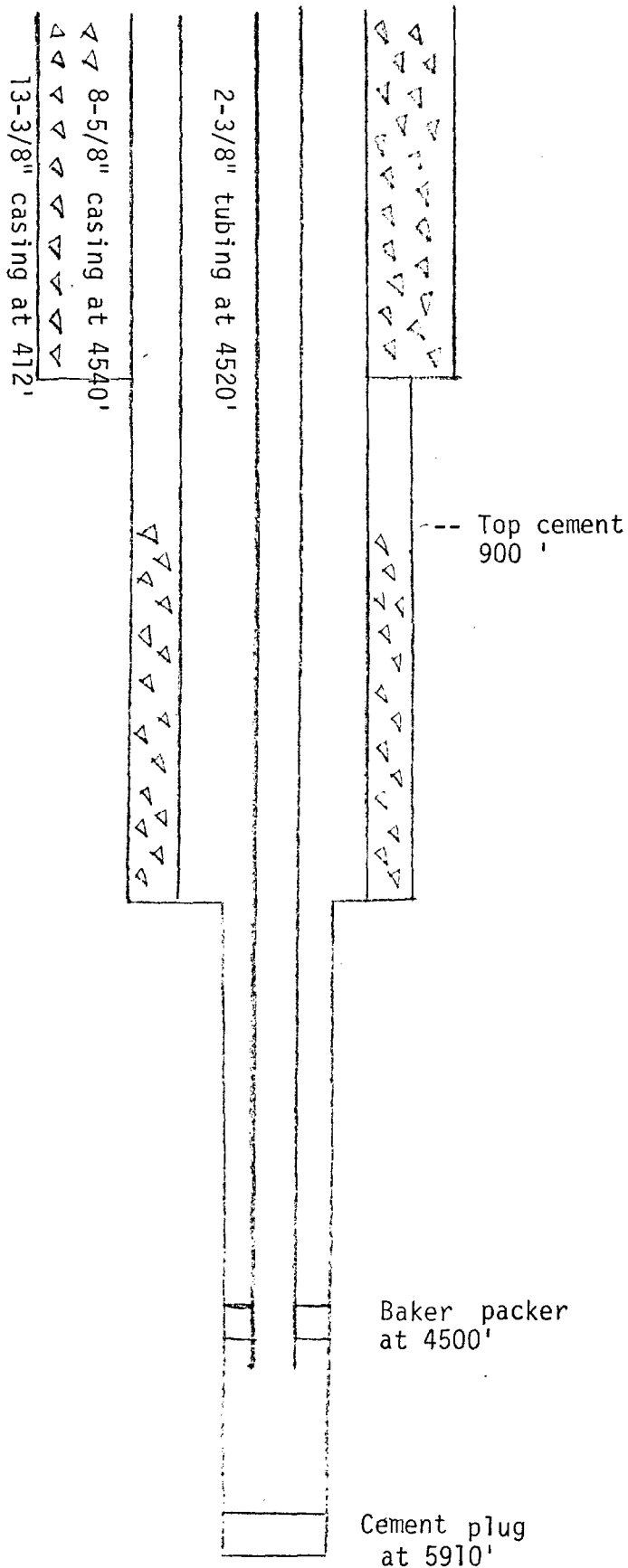
(Title)

December 22, 1975

(Date)

VOTE: 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.

New Mexico 85
Section 28, T-14S, R-34E
Lea County, New Mexico



Plan to install 8-5/8" well head. Drill out surface plug and the plug from 4584' (in and out of 8-5/8" casing).

Clean out hole to 5907' to top of cement bridge plug.

Run 4520' of 2-3/8" plastic coated tubing and complete by setting Baker Packer at 4500'. Acidize open hole with 2000 gals. Then fill annulus with KCI inert water. Set pressure gauge at surface.

ELK OIL COMPANY

POST OFFICE BOX 310
ROSWELL, NEW MEXICO 88201

December 29, 1975

New Mexico Oil Conservation Commission
P O Box 1980
Hobbs, New Mexico 88240

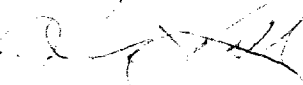
Re: Application to Dispose of
Salt Water by Injection
New Mexico (85) No. 1
Tres Papalotes Field
Lea County, New Mexico

Gentlemen:

As requested by your notice, please find enclosed a tabulation of all other wells within a radius of two miles of said proposed injection well.

Yours very truly,

ELK OIL COMPANY



Joseph J. Kelly
President

JJK/bjs

Encl:

ELK OIL COMPANY

POST OFFICE BOX 310
ROSWELL, NEW MEXICO 88201

APPLICATION TO DISPOSE OF SALT WATER
New Mexico (85) No. 1
Tres Papalotes Field
Lea County, New Mexico

TOWNSHIP 14 SOUTH - RANGE 34 EAST

<u>SECTION</u>	<u>COMPANY</u>	<u>WELL</u>	<u>TOTAL DEPTH</u>	<u>PRODUCING FORMATION</u>
20	Kern County Land	#3-20 State	10550'	Penn @ 10378'
20	Skelly Oil	#1-P Hobbs	10531'	Penn @ 10721'
20	Skelly Oil	#2-P Hobbs	10495'	Dry
21	Mark Prod.	#1 Fort	10535'	Dry
22	Del Apache Corp	#1 High Plains	10600'	Penn @ 10438'
22	Sunset Int. Corp.	#1 Union State	10567'	Dry
23	Texas Crude Oil Co.	#1-23 State	10543'	Penn @ 10463'
26	Coquina Oil Corp.	#1 C.S. State	10579'	Penn @ 10401'
26	Elk Oil Co.	#2 C.S. State	10598'	Penn @ 10445'
27	Coquina Oil Corp.	#3 C.S. State	10596'	Dry
27	Texas Crude Oil	#1-27 State	11515'	Dry
28	Elk Oil Co.	#1 BK State	10535'	Penn @ 10428'
28	Lone Star Prod.	#1 "85" State	10544'	Dry
28	Sam Boren	#1 Sandy	10730'	Dry
29	C.W. Trainer	#1 Maria	10601'	Dry
29	BTA Producers	#1 Marie	10500'	Dry
29	Mark Prod.	#1 Etcheverry	10535'	Penn @ 10400'
29	Mark Prodc.	#1-A Etcheverry	10510'	Dry
29	Mark Prod.	#2-A Etcheverry	10500'	Penn @ 10401'
30	Texas Crude Oil	#1-30 Machris	10804'	Dry
30	Mark Prod.	#1 Shell State	10510'	Penn @ 10340'
30	Mark Prod.	#1A Shell State	10530'	Penn @ 10384'
31	Amini Oil	#1 N.M. State	10500'	Penn @ 10401'
31	Amini Oil	#2 N.M. State	10597'	Penn @ 10385'
32	Midwest Oil	#1 Shell State	10700'	Dry
32	MacDonald Oil	#1 State	10600'	Dry
32	Mark Prod.	#1 Southland	10500'	Penn @ 10392'
32	Amini Oil	#1B New Mexico	10700'	Dry
32	Elk Oil Co.	#1 Etcheverry	10656'	Penn @ 10480'
33	Lone Star Prod.	#1 "87" State	10550'	Penn @ 10457'
33	Lone Star Prod.	#1 "80" State	10708'	Penn @ 10468'
33	Lone Star Prod.	#1 "86" State	10596'	Penn @ 10402'
33	Lone Star Prod.	#1 "83" State	10600'	Water disposal well San Andres @ 4540-5890'
34	Standard Texas	#1-34 State	10760'	Dry
34	Sun Oil Co.	#1 U.N.M. State	10650'	Penn @ 10410'

TOWNSHIP 15 SOUTH - RANGE 34 EAST

5	C. W. Trainer	#1 Etcheverry	14842'	Penn @ 10460'
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OIL CONSERVATION COMMISSION
Hobbs DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE January 7, 1976

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL _____
Proposed SWD X _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated _____
for the Elk Oil Co. New Mexico (85) #1-J 28-14-34
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

O.K.---J.S.

Yours very truly,

