pKRV0305638750

SKELLY OIL COMPANY

P. O. Box 1650
TULSA 2, OKLAHOMA

PRODUCTION DEPARTMENT
C. L. BLACKSHER, VICE PRESIDENT
W. P. WHITMORE, GENERAL MANAGER

August 29, 1961

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

We are attaching original and two copies of an application to dispose of salt water by injection into a porous formation not productive of oil or gas, along with three copies of a plat of the area, for our Eunice Gasoline Plant Salt Water Disposal Well No. 1 located in the SW/4 of Section 27, Township 22 South, Range 37 East, Lea County, New Mexico.

This well is to be drilled for a salt water disposal well. The injection formation will be the San Andres which is not productive in any wells in this area.

Copy of this application has been furnished to all operators offsetting this well. By carbon copy of this letter we are furnishing a copy of the application to the State Engineer's Office.

Very truly yours,

George W. Selinger

NPM:br
Attach.

cc-
State Engineer's Office
P. O. Box 1079
Santa Fe, New Mexico w/ Attach.

Revised 9 16 58

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

APPLICATION
TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION
NOT PRODUCTIVE OF OIL OR GAS

Operator Skelly Oil Company Address P. O. Box 1650, Tulsa 2, Oklahoma

Lease Eunice Gasoline Plt. SWD Well No. 1 County Lea,

Unit L Section 27 Township 22-S Range 37-E

This is an application to dispose of salt water produced from the following pool(s):

Langlie-Mattix

Name of Injection Formation(s): San Andres

Top of injection zone: 3935' Bottom of injection zone: 4500'
Give operator, lease, well no., and location of any other well in this area using this same zone for disposal purposes: None

CASING PROGRAM

	Diameter	Setting Depth	Sacks Cement	Top of Cement
Surface	10-3/4"	300'	250	Surface
Intermediate				
Long String	7"	3985'	750	685'

Will injection be through tubing, casing, or annulus? Casing

Size tubing: - Setting depth: - Packer set at: -

Name and Model No. of packer: -

Will injection be through perforations or open hole? Open hole

Proposed interval(s) of injection: 3935-4000'

Well was originally drilled for what purpose? Salt Water Disposal Well

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:

-

Give depth of bottom of next higher zone which produces oil or gas: 3650'

Give depth of top of next lower zone which produces oil or gas: 5100'

Give depth of bottom of deepest fresh water zone in area: 800'

Expected volume of salt water to be injected daily (barrels): 5000 bbls.

Will injection be by gravity or pump pressure? Gravity Estimated pressure: -

Is system open or close type? Closed Is filtration or chemical treatment necessary? Yes

Is the water to be disposed of mineralized to such a degree as to be unfit for domestic, stock, irrigation, and/or other general use? Yes

Is any water occurring naturally within the proposed disposal formation mineralized to such a degree as to be unfit for domestic, stock, irrigation, and/or other general use? Yes

List all offset operators to the lease on which this well is located and their mailing address
Ambassador Oil Corp., P. O. Box 9338, Fort Worth, Texas
Gulf Oil Corp., Gulf Building, Houston 1, Texas

Humble Oil & Refining Co., Box 2180, Houston, Texas

Neville G. Penrose, Inc., 1813 Fair Bldg., Fort Worth 2, Texas

Sinclair Oil & Gas Co., P. O. Box 521, Tulsa, Okla.

Tidewater Oil Company, P. O. Box 1404, Houston 1, Texas

Name and address of surface owner Skelly Oil Company

Have copies of this application been sent by registered mail or given to all offset operators, surface owners, and to the New Mexico State Engineer? Yes

Is a complete electrical log of this well attached? None

Operator: Skelly Oil Company

By George W. Selinger
George W. Selinger

Title: Manager of Conservation

STATE OF Oklahoma)
) ss.
County of [illegible])

BEFORE ME, The undersigned authority, on this day personally appeared George W. Selinger known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein and that said report is true and correct.

SUBSCRIBED AND SWORN TO before me this the 29th day of August, 1961.

[illegible]
Notary Public in and for the ~~County of~~ State of Oklahoma

My Commission Expires

NOTE: Should waivers from all offset operators, the surface owner, and the State Engineer not accompany an application, the New Mexico Oil Conservation Commission will hold the application for a period of fifteen (15) days from date of receipt by the Commission's Santa Fe office. If at the end of said fifteen-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

ir/

SKELLY OIL COMPANY
LEA COUNTY NEW MEXICO

R 37 E

T 22 S

T 23 S

2 MILES

Scale 1½ inches = 1 Mile

STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS
STATE ENGINEER

September 12, 1961

ADDRESS CORRESPONDENCE TO:
STATE CAPITOL
SANTA FE, N. M.

Mr. A. L. Porter, Jr.
Secretary-Director
Oil Conservation Commission
Santa Fe, New Mexico

Dear Mr. Porter:

Reference is made to the application of Skelly Oil Company dated August 29, 1961 which seeks permission to dispose of salt water by injection into a porous formation not productive of oil or gas through a well to be located in the SW¼ of Sec. 27, T. 22 S., R. 37 E., which is to be drilled for this specific purpose.

It is noted on the application that the 10 3/4" surface casing will be set at 300 feet and the cement will be circulated to the surface and that the long string will be set at 3985 feet and the top of cement behind this string will be at 685 feet. This leaves 385 feet of casing unprotected by cement and according to my tables, an additional ten sacks of cement would bring the cement behind the long string up into the surface casing giving protection to all casing. It is my opinion that the surface pipe should be set below all fresh water or that the cement behind the long string should come up into the surface string. The depth to the bottom of the deepest fresh water zone is 800 feet, according to information given on the application, and it is my contention that all fresh water zones should be adequately protected.

Very truly yours,

S. E. Reynolds
State Engineer

By: Frank E. Irby
Frank E. Irby
Chief
Water Rights Division

FEI/ma
cc-Skelly Oil Co.
F. H. Hennighausen

SKELLY OIL COMPANY

P. O. Box 1650
TULSA 2, OKLAHOMA

PRODUCTION DEPARTMENT
C. L. BLACKSHER, VICE PRESIDENT
W. P. WHITMORE, GENERAL MANAGER

September 19, 1961

VIA AIR MAIL

Re: Eunice Gasoline Plant Salt Water
Disposal Well No. 1

Mr. A. L. Porter, Jr., Secretary-Director
Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Dear Mr. Porter:

Reference is made to Mr. S. E. Reynolds' letter of September 12, 1961, which concerned our application dated August 29, 1961 which seeks permission to dispose of salt water by injection into a porous formation not productive of oil or gas through a well to be located in the SW¼ of Sec. 27, T. 22 S., R. 37 E., which is to be drilled for this specific purpose.

This is to advise that we will use 800 sacks of cement, or more if necessary, on the long string in order that the cement behind it will come up into the surface string.

Very truly yours,

George W. Selinger

NPM:br

George W. Selinger

cc-State Engineer's Office
P. O. Box 1079
Santa Fe, New Mexico

OIL CONSERVATION COMMISSION

BOX 2045

HOBBS, NEW MEXICO

DATE Sept. 8, 1961

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

Re: Proposed NSP
Proposed NSL
Proposed NFO
Proposed DC
SWD X

Gentlemen:

I have examined the application dated 9/1/61

for the Skelly Oil Co. Eunice Gasoline Plant SWD #1-L 27=22-37
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

Casing should be protected by sweet crude or other means-----E.F.E.

O.K.----J.W.R.

Yours very truly,

OIL CONSERVATION COMMISSION