

CASE 5490: TENNECO OIL CO. FOR  
SALT WATER DISPOSAL, EDDY COUNTY,  
NEW MEXICO

CASE NO.

5490

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APPLICATION,  
TRANSCRIPTS,  
SMALL EXHIBITS,

ETC.

## NEW MEXICO OIL CONSERVATION COMMISSION

EXAMINER HEARINGSANTA FE, NEW MEXICOHearing Date JULY 30, 1975 TIME: 9 A.M.

NAME	REPRESENTING	LOCATION
Paul Eaton	Hindle, Amendment et al	Roswell
Herph Haragan	Haragan Petroleum Corp	Roswell
Tom Kellahan	Kellahan & Fox	Santa Fe
John Somers	Peter Lewis	Denver
John Reimer	Self	Albuquerque





BEFORE THE  
NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
July 30, 1975

EXAMINER HEARING

-----  
IN THE MATTER OF: )  
)  
)  
)

Application of Tenneco Oil Company )  
for salt water disposal, Eddy )  
County, New Mexico )  
-----

CASE NO. 5490

BEFORE: Richard L. Stamets, Examiner

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the New Mexico Oil  
Conservation Commission:

William F. Carr, Esq.  
Legal Counsel for the  
Commission  
State Land Office Building  
Santa Fe, New Mexico 87501

MR. STAMETS: We'll call first Case 5490


MR. CARR: Case 5490. Application of Tenneco Oil Company for salt water disposal, Eddy County, New Mexico.

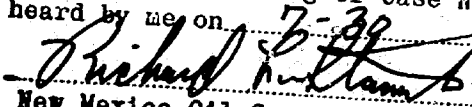
Mr. Examiner, we've received a request from Booker Kelly, attorney for Tenneco, that this case be dismissed.

MR. STAMETS: Case 5490 will be dismissed.

STATE OF NEW MEXICO )  
COUNTY OF SANTA FE ) SS.

I, RICHARD L. NYE, Court Reporter, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

  
RICHARD L. NYE, Court Reporter

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 5490 heard by me on 7-30-75, 1975.  
  
Richard L. Nye, Examiner  
New Mexico Oil Conservation Commission

THE NYE REPORTING SERVICE  
STATE-WIDE DEPOSITION NOTARIES  
225 JOHNSON STREET  
SANTA FE, NEW MEXICO 87501  
TEL. (505) 982-0386



BEFORE THE  
NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
July 30, 1975

EXAMINER HEARING

-----  
IN THE MATTER OF:

Application of Tenneco Oil Company  
for salt water disposal, Eddy  
County, New Mexico  
-----

CASE NO. 5490

BEFORE: Richard L. Stamets, Examiner

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the New Mexico Oil  
Conservation Commission:

William F. Carr, Esq.  
Legal Counsel for the  
Commission  
State Land Office Building  
Santa Fe, New Mexico 87501

THE NYE REPORTING SERVICE  
STATE-WIDE DEPOSITION NOTARIES  
225 JOHNSON STREET  
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TEL. (505) 982-0386

CASE 5490

Page.....2.....

MR. STAMETS: We'll call first Case 5490

MR. CARR: Case 5490. Application of Tenneco Oil  
Company for salt water disposal, Eddy County, New Mexico.

Mr. Examiner, we've received a request from  
Booker Kelly, attorney for Tenneco, that this case be dis-  
missed.

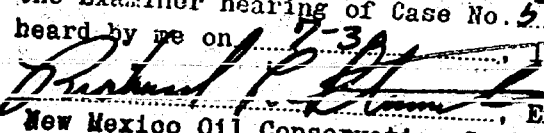
MR. STAMETS: Case 5490 will be dismissed.

THE NYE REPORTING SERVICE  
STATE-WIDE DEPOSITION NOTARIES  
225 JOHNSON STREET  
SANTA FE, NEW MEXICO 87501  
TEL. (505) 982-0386

STATE OF NEW MEXICO )  
                          ) SS.  
COUNTY OF SANTA FE )

I, RICHARD L. NYE, Court Reporter, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

  
RICHARD L. NYE, Court Reporter

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 5490, heard by me on 7-3-75, 1975.  
  
Examiner  
New Mexico Oil Conservation Commission

THE NYE REPORTING SERVICE  
STATE-WIDE DEPOSITION NOTARIES  
225 JOHNSON STREET  
SANTA FE, NEW MEXICO 87501  
TEL. (505) 982-0386

*n*  
DRAFT

dr/

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

*FW*  
CASE NO. 5490

Order No. R- 5076

*all*  
APPLICATION OF TENNECO OIL CO.  
FOR SALT WATER DISPOSAL, EDDY  
COUNTY, NEW MEXICO

*JAR wla* *Asu*  
ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on July 30, 1975,  
at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this        day of August, 1975, the Commission,  
a quorum being present, having considered the record and the recom-  
mendations of the Examiner, and being fully advised in the premises,

FINDS:

That the applicant's request for dismissal should be  
granted.

IT IS THEREFORE ORDERED:

That Case No. 5490 is hereby dismissed.

DONE at Santa Fe, New Mexico, on the day and year hereinabove  
designated.

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE NO. 5490  
Order No. R-5076

APPLICATION OF TENNECO OIL CO.  
FOR SALT WATER DISPOSAL, EDDY  
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on July 30, 1975,  
at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 12th day of August, 1975, the Commission,  
a quorum being present, having considered the record and the  
recommendations of the Examiner, and being fully advised in  
the premises,

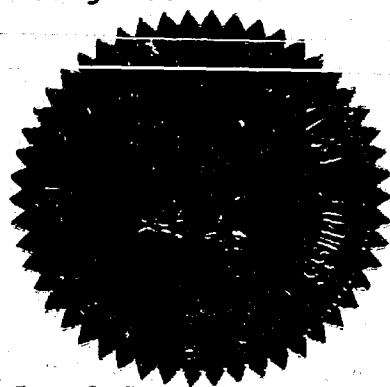
FINDS:

(1) That the applicant's request for dismissal should be  
granted.

IT IS THEREFORE ORDERED:

That Case No. 5490 is hereby dismissed.

DONE at Santa Fe, New Mexico, on the day and year herein-  
designated.



S E A L

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

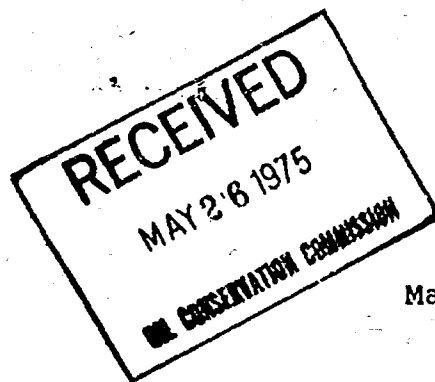
*Phil R. Lucero*  
PHIL R. LUCERO, Member

*Joe D. Ramey*  
JOE D. RAMEY, Member & Secretary

jr/



WHITE,  
KOCH, KELLY  
&  
McCARTHY



May 26, 1975

Oil Conservation Commission  
State Land Office Building  
Santa Fe, New Mexico 87501

Re: Application of Tenneco Oil  
Company for Salt water Disposal  
Eddy County, New Mexico  
Case #54-90

Gentlemen:

Pursuant to my conversation of Friday afternoon with Mr. Nutter, by this letter, Tenneco requests that the above referred to case be continued for two months from its presently scheduled hearing date of May 28, 1975. The operators who have expressed opposition to this hearing, Phillips and Llano have both agreed to the continuance and have been informed of it.

Sincerely,

  
W. B. KELLY

WBK:mjq

cc: Jack A. Dutton

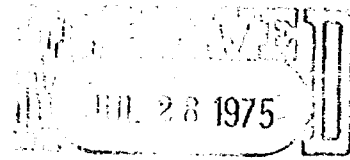
*Continue only - Put on  
docket for last E.C. hearing  
in July*

L.C. White  
Sumner S. Koch  
William Booker Kelly  
John F. McCarthy, Jr.  
Kenneth Bateman  
Benjamin Phillips  
Ronald M. Friedman

 Attorneys and Counselors at Law

220 Otero St., P.O. Box 787, (505)982-4374, Santa Fe, N.M. 87501 — P.O. Drawer E, (505)758-4338, Taos, N.M. 87571

WHITE,  
KOCH, KELLY  
&  
McCARTHY



July 22, 1975  
CONSERVATION COMM.  
Santa Fe

Mr. William Carr  
Oil Conservation Commission  
State Land Office Building  
Santa Fe, New Mexico 87501

Re: Case 5490

Dear Mr. Carr:

Pursuant to my telephone conversation, this letter is to inform you that Tenneco Oil Company wishes to withdraw its application in case 5490, seeking approval of a salt water disposal well, Eddy County, New Mexico.

Very truly yours,

  
W. B. KELLY

WBK:mjq  
cc: D. D. Myers

L. C. White  
Sumner S. Koch  
William Booker Kelly  
John F. McCarthy, Jr.  
Kenneth Bateman

Benjamin Phillips  
Ronald M. Friedman  
C. Emery Cuddy, Jr.

Attorneys and Counselors at Law

220 Otero St., P.O. Box 787, (505)982-4374, Santa Fe, N.M. 87501 — P.O. Drawer E, (505)758-4338, Taos, N.M. 87571



BEFORE THE  
NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
May 28, 1975

EXAMINER HEARING

IN THE MATTER OF:

Application of Tenneco Oil Co.  
for salt water disposal, Eddy  
County, New Mexico.

Case No. .  
5490

BEFORE: Richard L. Stamets, Examiner

TRANSCRIPT OF HEARING

THE NYE REPORTING SERVICE  
STATE-WIDE DEPOSITION NOTARIES  
225 JOHNSON STREET  
SANTA FE, NEW MEXICO 87501  
TEL. (505) 982-0386

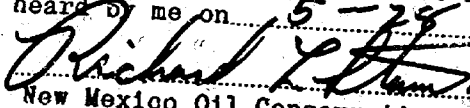
MR. STAMETS: Call Case 5490, being Application of Tenneco Oil Co. for salt water disposal, Eddy County, New Mexico.

In this Case the Commission has received a request from the Applicant for continuation for 60 days, and Case 5490 will be continued to the last Examiner Hearing in July.

STATE OF NEW MEXICO     )  
                                  )  
COUNTY OF SANTA FE    )     SS.

I, RICHARD L. NYE, Court Reporter, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

  
RICHARD L. NYE, Court Reporter

I do hereby certify that the foregoing is  
a complete record of the proceedings in  
the Examiner hearing of Case No. 5490  
heard by me on 5-28, 1975.  
  
Richard L. Nye, Examiner  
New Mexico Oil Conservation Commission

THE NYE REPORTING SERVICE  
STATE-WIDE DEPOSITION NOTARIES  
225 JOHNSON STREET  
SANTA FE, NEW MEXICO 87501  
TEL. (505) 982-0386

**Tenneco Oil**  
A Tenneco Company

Suite 1200  
Lincoln Tower Building  
Denver, Colorado 80203  
(303) 292-9920



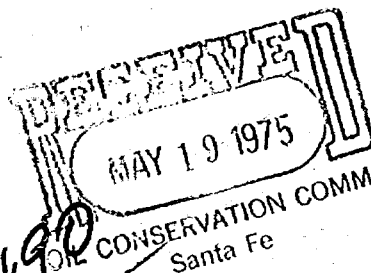
May 14, 1975

New Mexico Oil Conservation Commission  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. A. L. Porter, Jr.  
Secretary - Director

*File  
Case 5490*

RE: Hearing On Application for  
Salt Water Disposal  
Tenneco Oil Company's  
Jones Federal "D" Well #1  
Strawn Reservoir  
Lusk Strawn Field  
Eddy County, New Mexico



Gentlemen:

In a letter dated May 2, 1975, we submitted an application to the New Mexico Oil Conservation Commission requesting approval to dispose of produced salt water from the Lusk Strawn reservoir by injecting it into the Strawn formation in Tenneco's Jones Federal "D" Well No. 1, a temporarily abandoned well in the Lusk Strawn Field. In this letter, we also requested that a hearing be scheduled on the next regular docket to consider the salt water disposal application if it could not be approved administratively.

Mr. Carl Ullvag of the New Mexico Oil Conservation Commission has informed us that administrative approval cannot be granted and that the application has been advertised on the hearing docket for May 28, 1975. This letter is to confirm that Tenneco Oil Company wishes to have the salt water disposal application considered on the hearing docket scheduled for May 28, 1975.

Very truly yours,

TENNECO OIL COMPANY

*D. D. Myers*

D. D. Myers  
Division Production Manager

JCB/DDM/fran

cc: Continental Oil Company  
P. O. Box 460  
Hobbs, New Mexico 88240

**DOCKET MAILED**

**Date** \_\_\_\_\_

# LLANO, INC.

PHONE 393-2153

P. O. DRAWER 1320

HOBBS, NEW MEXICO 88240

DONALD L. GAREY  
PRESIDENT

May 13, 1975

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

*File  
Case 5490*

(Also see attached list)

Re: Tenneco Oil Company's Application  
for Salt Water Disposal in the  
Jones Federal "D" Well No. 1  
Unit E, Sec. 24, T-18-S, R-31-E  
Lusk Strawn Field  
Eddy County, New Mexico

Gentlemen:

This will serve notice that Llano, Inc. opposes Tenneco Oil Company's application for salt water disposal in the Strawn formation in their Jones Federal "D" No. 1 which is docketed for a hearing on May 28, 1975.

Llano is presently actively acquiring working interests in the Lusk Strawn Field in order to form the Lusk Strawn Deep Unit for the purpose of initiating a high pressure gas cycling secondary recovery program. Engineering studies indicate an additional 11,000,000 barrels of secondary liquid hydrocarbons can be recovered from the Strawn by utilizing this secondary recovery method. Introduction of any formation water into the Strawn formation will, without a doubt, be detrimental to the secondary recovery effort as proposed by Llano for the subject field.

Therefore, to protect correlative rights and prevent waste, Llano opposes water injection into the Strawn formation in the Lusk Strawn Field.

Very truly yours,

*Donald L. Garey*  
Donald L. Garey

AK/zm

ADDRESSEE LIST

Hytech Energy Corporation  
710 Western United Life Building  
Midland, Texas 79701

Phillips Petroleum Company  
Phillips Building  
Odessa, Texas 79760

Yates Drilling Company  
207 South 4th Street  
Artesia, New Mexico 88210

Tenneco Oil Company  
Suite 1200  
Lincoln Tower Building  
Denver, Colorado 80203

Bureau of Land Management  
P. O. Box 1397  
Roswell, New Mexico 88201  
ATTN: Mr. F. Padilla  
Lands & Minerals Operation

Kerr-McGee Corporation  
Kerr-McGee Center  
Oklahoma City, Oklahoma 73102

Continental Oil Company  
P. O. Box 460  
Hobbs, New Mexico 88240

Gulf Oil Company-U.S.  
P. O. Box 1150  
Midland, Texas 79701

Bureau of Land Management  
P. O. Box 1449  
Santa Fe, New Mexico 87501  
ATTN: Mr. Raul Martinez  
Minerals Section

United States Geological Survey  
P. O. Box 1857  
Roswell, New Mexico 88201

Docket No. 13-75 is tentatively set for hearing on June 11, 1975. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - MAY 28, 1975

9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM,  
STATE LAND OFFICE BUILDING - SANTA FE, NEW MEXICO

The following cases will be heard before Richard L. Stamets, Examiner, or Daniel S. Nutter, Alternate Examiner:

CASE 5468: (Continued from the April 30, 1975 Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Kenneth M. Hankins, Great American Insurance Company, and all other interested parties to appear and show cause why the Virginia Branch Well No. 1, located in Unit D of Section 9, Township 10 North, Range 25 East, Guadalupe County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program.

CASE 5485: Application of Yates Petroleum Corporation for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its Tidwell ED Well No. 1, located in Unit P of Section 22, Township 17 South, Range 26 East, Kennedy Farms Field, Eddy County, New Mexico, in such a manner as to produce gas from the Atoka and Morrow formations through the tubing-casing annulus and tubing, respectively.

CASE 5486: Application of Yates Petroleum Corp. for two unorthodox gas well locations, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox gas well locations for two proposed wells adjacent to the Atoka-Pennsylvanian Gas Pool, Eddy County, New Mexico, the first to be located in the center of Unit C of Section 25, Township 17 South, Range 25 East, the E/2 of said Section 25 to be dedicated to the well, and the second to be located in the center of Unit M of Section 31, Township 17 South, Range 26 East, the W/2 of said Section 31 to be dedicated to the well.

CASE 5487: Application of J. I. O'Neill, Jr., for salt water disposal, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks approval for the disposal of produced salt water by injection into the San Andres formation through the perforated interval from 4852 feet to 5001 feet in his State L Well No. 2, located in Unit N of Section 16, Township 8 South, Range 36 East, South Prairie-San Andres Pool, Roosevelt County, New Mexico.

CASE 5488: Application of Texas Pacific Oil Co. for pool contraction and extension, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order contracting the vertical limits of the Jalmat Gas Pool underlying the N/2 NE/4 and the SE/4 NE/4 of Section 4, Township 23 South, Range 36 East, Lea County, New Mexico, by the deletion therefrom of the lowermost 160 feet of the Seven Rivers formation, and the concurrent extension of the vertical limits of the Langlie Mattix Pool underlying said lands to include therein the said lowermost 160 feet of the Seven Rivers formation, further to similarly contract the vertical limits of the Jalmat Gas Pool underlying the NW/4 SW/4 of Section 3, Township 23 South, Range 36 East, by the deletion of the lowermost 135 feet of the Seven Rivers and the concurrent extension of the Langlie Mattix Pool to include the lowermost 135 feet of the Seven Rivers.

CASE 5489: Application of Texas Pacific Oil Co., Inc. for a waterflood expansion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the expansion of its Jalmat State "A" and/or its Langlie Mattix State "A" waterflood projects, Jalmat and Langlie Mattix Pools, by the injection of water into the Seven Rivers and Queen formations through its State "A" Wells Nos. 47 and 63 located, respectively, in Units K and I of Section 3 and its State "A" Well No. 84, located in Unit G of Section 23, all in Township 23 South, Range 36 East, Lea County, New Mexico.

CASE 5490: Application of Tenneco Oil Co. for salt water disposal, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water by injection into the Strawn formation through the perforated interval from 11,164 feet to 11,470 feet in its Jones Federal "D" Well No. 1, located in Unit E of Section 24, Township 19 South, Range 31 East, Lusk-Strawn Pool, Eddy County, New Mexico.

CASE 5491: Application of Murphy H. Baxter for an unorthodox oil well location and an administrative procedure, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox oil well location for a well to be drilled 1980 feet from the North line and 1460 feet from the East line of Section 1, Township 18 South, Range 33 East, North EK-Queen Pool, Lea County, New Mexico. Applicant further seeks the establishment of an administrative procedure whereby additional wells at unorthodox locations in the North EK-Queen Unit Area could be approved without notice and hearing.

CASE 5469: (Continued and Readvertised)

Application of Read & Stevens for an unorthodox gas well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox gas well location of a well to be drilled at a point 990 feet from the South and West lines of Section 7, Township 15 South, Range 28 East, Chaves County, New Mexico, in exception to the Buffalo Valley-Pennsylvanian Gas Pool Rules.



- CASE 5492: Application of David Fasken for downhole commingling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Canyon and Morrow production in the wellbore of his El Paso Federal Well No. 2, located in Unit M of Section 2, Township 21 South, Range 26 East, Avalon Field, Eddy County, New Mexico.
- CASE 5493: Application of Texas West Oil & Gas Corporation for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian formation underlying the E/2 of Section 5, Township 24 South, Range 34 East, Bell Lake Field, Lea County, New Mexico, to be dedicated to a well to be drilled at an orthodox location for said unit in Unit G of said Section 5. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof, as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for the risk involved in drilling said well.
- CASE 5494: Application of Burleson and Huff for compulsory pooling, a non-standard gas proration unit, and an unorthodox location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Jalmat Gas Pool underlying the NW/4 of Section 35, Township 25 South, Range 37 East, Lea County, New Mexico, and in the Langlie Mattix Pool underlying the NW/4 NW/4 of said Section 35 to form a non-standard 160-acre Jalmat gas proration unit and a standard 40-acre Langlie Mattix oil proration unit, each to be dedicated to applicant's Dabbs Well No. 2, located at an unorthodox Jalmat gas well location 330 feet from the North line and 990 feet from the West line of said Section 35. Also to be considered will be the cost of re-entering, drilling, and completing said well and the allocation of such costs as well as actual operating costs and charges for supervision. Also to be considered will be the designation of the applicant as operator of the well and a charge for the risk involved in re-entering, drilling, and completing said well.



**PHILLIPS PETROLEUM COMPANY**

ODESSA, TEXAS 79761  
PHILLIPS BUILDING

NATURAL RESOURCES GROUP  
Exploration and Production

May 13, 1975

*For  
Hearing*

*Case 5490*

MAY 15 1975

OIL CONSERVATION COMM.

Santa Fe

Tenneco Oil Company's Application  
for Salt Water Disposal in the Jones  
Federal "D" Well No. 1, Strawn  
Reservoir, Lusk Strawn Field,  
Eddy County, New Mexico

File: W2-Ed-190-75

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

Gentlemen:

Tenneco Oil Company has filed an application with the New Mexico Oil Conservation Commission requesting approval to dispose of 220 barrels per day of produced water from the Lusk Strawn reservoir by injecting it into the Strawn formation in Tenneco's Jones Federal "D" Well No. 1, a temporarily abandoned well in the Lusk Strawn Field.

Phillips Petroleum Company has reviewed this application and considers the proposal to be detrimental to the efficient operation of the Lusk Strawn Field as a secondary recovery and storage project by the resulting reduction of oil recovery and potential reservoir storage space.

As a field operator and as a potential participant in the Lusk Strawn Unit, Phillips respectfully requests the application be denied.

Very truly yours,

PHILLIPS PETROLEUM COMPANY

*G. W. Edwards*

G. W. Edwards  
Director of Reservoir Engineering

GWE:dva

cc: Tenneco Oil Company  
Attention: Mr. D. D. Myers  
Suite 1200, Lincoln Tower Building  
Denver, Colorado 80203  
Offset Operators

DOCKET MAILED

Date *5/16/75*

**Tenneco Oil**  
A Tenneco Company

Suite 1200  
Lincoln Tower Building  
Denver, Colorado 80203  
(303) 292-9920



Case 5490

May 2, 1975

NEW MEXICO OIL  
CONSERVATION COMMISSION  
SANTA FE

New Mexico Oil Conservation Commission  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. A. L. Porter, Jr.  
Secretary - Director

RE: Application for Salt Water Disposal  
Tenneco Oil Company's  
Jones Federal "D" Well #1  
Strawn Reservoir  
Lusk Strawn Field  
Eddy County, New Mexico

Gentlemen:

Attached are three copies of Form C-108, "Application to Dispose of Salt Water by Injection into a Porous Formation", requesting approval from the New Mexico Oil Conservation Commission to dispose of 220 bbls/day of produced water from the Lusk Strawn reservoir by injecting it into the Strawn formation in Tenneco's Jones Federal "D" Well #1, a temporarily abandoned well in the Lusk Strawn Field. We request that administrative approval of this application be granted if possible. If the salt water disposal application does not qualify for administrative approval under the terms of Rule 701-C, please schedule a hearing to consider this application on the next regular hearing docket.

The following are attached to provide supporting data for this application:

- (1) A plat showing the location of the proposed injection well, the location of all other wells within a radius of two miles, the formation from which these wells are producing or have produced, and the lease owners within a two-mile radius.

DOCKET MAILED

Date 5/16/75

## Tenneco Oil

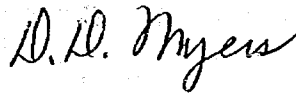
New Mexico Oil Conservation Commission  
Attention: Mr. A. L. Porter, Jr.  
May 2, 1975

- (2) A section of the Sonic-Gamma Ray Log for Jones Federal "D" Well #1, the proposed injection well, showing the Strawn formation and the perforated intervals into which the water will be injected.
- (3) A diagrammatic sketch of the proposed injection well showing all of the pertinent data about the casing, tubing, packer, cement, and perforations.

We have sent copies of this application to the surface owner of the land on which the proposed injection well is located and all operators within a two-mile radius of the well in the event that approval to dispose of salt water in the Strawn formation cannot be granted administratively and a hearing is required. A list of the names and addresses of the operators within a two-mile radius is also attached. The operators within one-half mile of the proposed injection well are listed on Form C-108.

Very truly yours,

TENNECO OIL COMPANY



D. D. Myers  
Division Production Manager

JCB/DDM/fran

Attachments

Case  
5490NEW MEXICO OIL CONSERVATION COMMISSION  
APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR <b>TENNECO OIL COMPANY</b>		ADDRESS <b>Suite 1200 Lincoln Tower Building Denver, Colorado 80203</b>			
LEASE NAME <b>Jones Federal "D" ✓</b>	WELL NO. <b>1 ✓</b>	FIELD <b>Lusk Strawn</b>	COUNTY <b>Eddy</b>		
LOCATION UNIT LETTER <b>E ✓</b> ; WELL IS LOCATED <b>1980</b> FEET FROM THE <b>North</b> LINE AND <b>660</b> FEET FROM THE <b>West</b> LINE, SECTION <b>24</b> , TOWNSHIP <b>19S</b> , RANGE <b>31E</b> NMPM.					
CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	<b>13-3/8</b>	<b>593</b>	<b>500</b>	<b>Surface</b>	<b>Circulating Cement</b>
INTERMEDIATE	<b>8-5/8</b>	<b>3940</b>	<b>1600</b>	<b>50'</b>	<b>Temperature Survey</b>
LONG STRING	<b>4-1/2</b>	<b>11,550</b>	<b>500</b>	<b>8916'</b>	<b>Cement Bond Log</b>
TUBING	<b>2-3/8</b>	<b>11,120</b>	NAME, MODEL AND DEPTH OF TUBING PACKER <b>FAS packer set at 11,120'</b>		
NAME OF PROPOSED INJECTION FORMATION <b>Strawn ✓</b>		TOP OF FORMATION <b>11,100' ✓</b>		BOTTOM OF FORMATION <b>11,570'</b>	
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? <b>Tubing</b>		PERFORATIONS OR OPEN HOLES <b>Perforations</b>		PROPOSED INTERVAL(S) OF INJECTION <b>11,174-78'; 11,210-12'; 11,164-66'; 11,412-16'; 11,430-32'; 11,460-76';</b>	
IS THIS A NEW WELL DRILLED FOR DISPOSAL? <b>No</b>		IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? <b>Production</b>		HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? <b>No</b>	
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA <b>500'</b>		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA <b>10,600'</b>		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA <b>11,980'</b>	
ANTICIPATED DAILY INJECTION VOLUME (BBLs.)	MINIMUM <b>220</b>	MAXIMUM <b>300</b>	OPEN OR CLOSED TYPE SYSTEM <b>Closed</b>	IS INJECTION TO BE BY GRAVITY OR PRESSURE? <b>Gravity</b>	APPROX. PRESSURE (PSI) <b>0</b>
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 - <b>Yes</b>			WATER TO BE DISPOSED OF <b>Yes</b>		
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) <b>L. H. Bates Estate, 1002 North Shore Drive, Carlsbad, New Mexico</b>			NATURAL WATER IN DISPOSAL ZONE <b>Yes</b>		
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL			ARE WATER ANALYSES ATTACHED? <b>Yes</b>		
<b>Phillips Petroleum Company, Phillips Building, Odessa, Texas 79760</b>					
<b>Kerr-McGee Corp., Kerr-McGee Center, Oklahoma City, Oklahoma 73102</b>					
<b>Llano, Inc., P. O. Drawer 1320, Hobbs New Mexico 88240</b>					
<b>Hytech Energy Corporation, 710 Western United Life Building, Midland, Texas 79701</b>					
<b>Continental Oil Company, P. O. Box 460, Hobbs, New Mexico 89240</b>					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?	SURFACE OWNER <b>Yes</b>		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL <b>Yes</b>		
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)	PLAT OF AREA <b>Yes</b>		ELECTRICAL LOG <b>Yes</b>		DIAGRAMMATIC SKETCH OF WELL <b>Yes</b>

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

D. W. Myers  
(Signature)Div. Prod. Mgr.  
(Title)5-2-75  
(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.

## WATER ANALYSIS REPORT

TO: TENNECO OIL COMPANY  
LINCOLN TOWER BLDG.  
DENVER COLORADO 80203

LABORATORY NO.: HOBBS.  
DATE: MARCH 3 1975

WELL NAME & NO.: JONES FED. #3 DEPTH: 11500 FT  
FIELD: LUSK FORMATION: STRAWN  
COUNTY: LEA STATE: NEW MEXICO  
SAMPLE POINT: WELL HEAD SAMPLE ID: WATER

DISSOLVED SOLIDS			OTHER PROPERTIES	
CATIONS	MG/L	MEQ/L		
SODIUM, NA	42367	1842	PH=	6.600
CALCIUM, CA	5010	250	SP GR=	1.089
MAGNESIUM, MG	1093	89		
ANIONS				
CHLORIDES, CL	77390	2180	RESISTIVITY AT	65.6 DEGREES-C
SULFATES, SO4	0	0	CALCULATED=	.032930
BICARBONATES, HCO3	121	1		

THE CALCIUM SULFATE STABILITY INDEX IS -40.936

THE CALCIUM CARBONATE STABILITY INDEX IS -.014

NOTE 1: A NEGATIVE NUMBER INDICATES THE SCALE IN SOLUTION DOES NOT  
EXCEED THE SATURATION VALUE AND SHOULD NOT PRECIPITATE.

## REMARKS AND RECOMMENDATIONS:

IRON =11 PPM

CHARLES ROSSON

ANALYSIS BASED ON API RECOMMENDED PROCEDURE

Case 5490  
Producing formations not given  
by map.

Where is Hystech Energy lease (or wells)?  
Why is not Amoco listed (nearby  
operator (Unit E & F - 19-32 E)

Presumably it is T-19-S on map  
not T-18-S as shown

~~Log show - prof @ 1464-66~~

Will tubing be plastic-lined?  
What about csg- the annulus?

If now immediately, we require additional  
reports, was time 4-11-66

Or give approval for 1 more day

Strawn production too near.

→ set for May 28th hearing

Case 5490

APPLICATION FOR SALT WATER DISPOSAL  
TENNECO OIL COMPANY'S JONES FEDERAL "D" WELL #1  
LUSK STRAWN FIELD  
EDDY COUNTY, NEW MEXICO

LIST OF OFFSET OPERATORS AND SURFACE OWNER

OFFSET OPERATORS:

Hytech Energy Corporation  
710 Western United Life Building  
Midland, Texas 79701

Kerr-McGee Corporation  
Kerr-McGee Center  
Oklahoma City, Oklahoma 73102

Llano, Inc.  
P. O. Drawer 1320  
Hobbs, New Mexico 88240

Phillips Petroleum Company  
Phillips Building  
Odessa, Texas 79760

Continental Oil Company  
P. O. Box 460  
Hobbs, New Mexico 88240

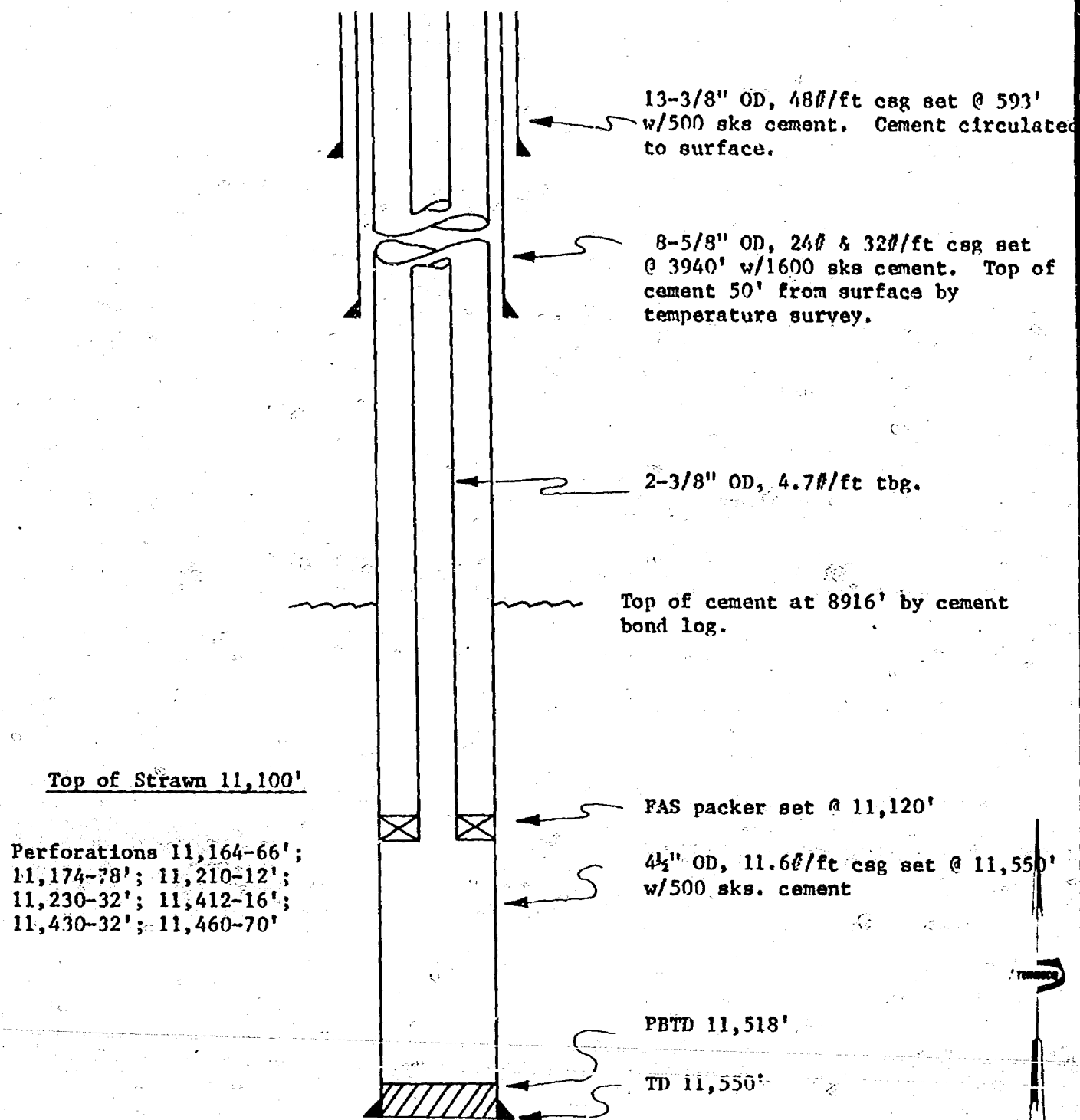
Yates Drilling Company  
207 South 4th Street  
Artesia, New Mexico 88210

Gulf Oil Company  
P. O. Box 1150  
Midland, Texas 79701

SURFACE OWNER:

L. H. Bates Estate  
1002 North Shore Drive  
Carlsbad, New Mexico





**TENNECO OIL COMPANY**  
SUBSIDIARY OF TENNECO INC

**PROPOSED SALT WATER DISPOSAL WELL**

Tenneco Oil Company's Jones Federal "D"  
Well #1

1980' FNL & 660' FWL of Section 24,  
T19S, R31E

Eddy County, New Mexico

SCALE IN FEET Elevation: 3555 K

DENVER, COLORADO