

CASE 5919: TENNECO OIL COMPANY FOR
SALT WATER DISPOSAL, EDDY COUNTY,
NEW MEXICO

Dismiss

Case Number

5919

Application

Transcripts

Small Exhibits

ETC.

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
May 11, 1977

EXAMINER HEARING

IN THE MATTER OF:

Application of Tenneco Oil Company for) CASE
salt water disposal, Eddy County,) 5919
New Mexico.)

BEFORE: Richard L. Stamets, Examiner

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the New Mexico Oil	Lynn Teschendorf, Esq.
Conservation Commission:	Legal Counsel for the Commission
	State Land Office Building
	Santa Fe, New Mexico

sid morrison reporting service
General Court Reporting Service
825 Calle Mejia, No. 122, Santa Fe, New Mexico 87501
Phone (505) 982-9212

1 MR. STAMETS: We will call next Case 5919.

2 MS. TESCHENDORF: Case 5919, application of Tenneco
3 Oil Company for salt water disposal, Eddy County, New Mexico.

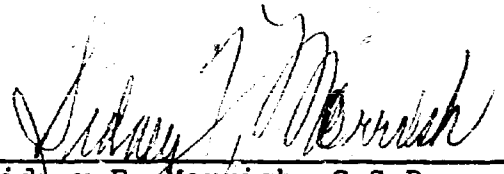
4 The applicant has requested that the Commission
5 dismiss this case.

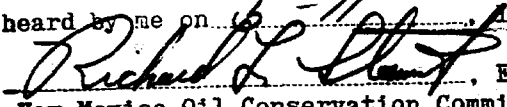
6 MR. STAMETS: Case 5919 will be dismissed.
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

aid morrish reporting service
General Court Reporting Service
825 Calle Mejia, No. 122, Santa Fe, New Mexico 87501
Phone (505) 982-9212

REPORTER'S CERTIFICATE

I, SIDNEY F. MORRISH, a Certified Shorthand 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.


Sidney F. Morrish, C.S.R.

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No. 5919
heard by me on 5-11-1977.
, Examiner
New Mexico Oil Conservation Commission

sid morrish reporting service
General Court Reporting Service
825 Calle Mejia, No. 122, Santa Fe, New Mexico 87501
Phone (505) 982-9212

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. 5919
Order No. R-5431

APPLICATION OF TENNECO OIL COMPANY
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 May 11, 1977,
at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 24th day of May, 1977, the Commission,
a quorum being present, having considered the record and the
recommendations of the Examiner, and being fully advised in
the premises,

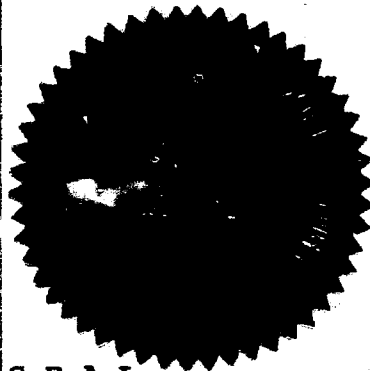
FINDS:

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

IT IS THEREFORE ORDERED:

That Case No. 5919 is hereby dismissed.

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



S E A L

dr/

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

Phil R. Lucero
PHIL R. LUCERO, Chairman

Emery C. Arnold
EMERY C. ARNOLD, Member

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

JASON W. KELLAHIN
ROBERT E. FOX
W. THOMAS KELLAHIN

KELLAHIN AND FOX
ATTORNEYS AT LAW
500 DON GASPAR AVENUE
POST OFFICE BOX 1769
SANTA FE, NEW MEXICO 87501

May 2, 1977

MAY -3 1977

TELEPHONE 982-4315
AREA CODE 505

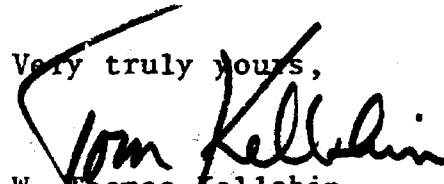
Mr. Dan Nutter
New Mexico Oil Conservation
Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Tenneco, Jones Federal Well No. 1, Unit K,
Sec. 23, T19S, R31E, Eddy County, N.M.

Dear Dan:

On behalf of Tenneco, please withdraw and cancel the
application number NMOCC 5919 which is scheduled for
hearing on May 11, 1977.

Very truly yours,


W. Thomas Kellahin

CC: Mr. Millard Carr

WTK:kfm

- CASE 5919: Application of Tenneco Oil Company for salt water disposal, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Strawn formation through the perforated interval from 11,174 feet to 11,236 feet in its Jones Federal Well No. 1, located in Unit K of Section 23, Township 19 South, Range 31 East, Lusk-Strawn Pool, Eddy County, New Mexico.
- CASE 5920: Application of New Mexico Salt Water Disposal Co., Inc. for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Devonian formation through the perforated interval from approximately 13,000 feet to 13,500 feet in its Sinclair State Lea Well No. 1, located in Unit M of Section 1, Township 11 South, Range 34 East, Sand Springs-Devonian Pool, Lea County, New Mexico.
- CASE 5921: Application of Eastland Oil Company for salt water disposal, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Grayburg formation through perforated intervals from 3506 feet to 3598 feet in its Power Deep Unit Well No. 1, located in Unit F of Section 6, Township 18 South, Range 31 East, Power Grayburg-San Andres Pool, Eddy County, New Mexico.
- CASE 5922: Application of A. L. Daugherty for an exception to Order No. R-3221, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks, as an exception to the provisions of Commission Order No. R-3221, permission to dispose of produced salt water into an intermittent saline lake located in Section 24, Township 8 South, Range 29 East, and Section 19, Township 8 South, Range 30 East, both in Chaves County, New Mexico.
- CASE 5653: (Reopened) (Continued from April 6, 1977, Examiner Hearing)
- In the matter of Case 5653 being reopened pursuant to the provisions of Order No. R-5191 which order established temporary special pool rules for the Daisey-Wolfcamp Pool, Lea County, New Mexico. All interested parties may appear and show cause why said pool should not be developed on 40-acre spacing units.
- CASE 5923: Application of El Paso Natural Gas Company for underground gas storage, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute its Barker Dome Gas Storage Project by utilizing certain wells for the injection into and withdrawal of gas from the Upper Dakota formation underlying all of Sections 8, 9, 10, 11, 14, 15, 16, 17, 20, 21, 22, 23, 28, and 29, and portions of Sections 7, 18, 19, 27, 30, and 32, all in Township 32 North, Range 14 West, Barker Creek-Dakota Pool, San Juan County, New Mexico.
- CASE 5904: (Continued from April 20, 1977, Examiner Hearing)
- Application of Palmer Oil & Gas Company for compulsory pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Fruitland and Pictured Cliffs formations underlying the NE/4 and/or SE/4 of Section 20, Township 32 North, Range 6 West, San Juan County, New Mexico, and in the Mesaverde and Dakota formations underlying the E/2 of said Section 20, the above-described lands to be dedicated to a well to be drilled at a standard location thereon. 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 risk involved in drilling said well.
- CASE 5905: (Continued from April 20, 1977, Examiner Hearing)
- Application of Palmer Oil & Gas Company for compulsory pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Mesaverde and Dakota formations underlying the W/2 SE/4 and the E/2 SW/4 of Section 3, and the NW/4 of Section 10, and all mineral interests in the Pictured Cliffs and Fruitland formations underlying the NW/4 of Section 10, all in Township 31 North, Range 7 West, San Juan County, New Mexico, to be dedicated to a well to be drilled 1800 feet from the North line and 850 feet from the West line of said Section 10. 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 risk involved in drilling said well.
- CASE 5906: (Continued from April 20, 1977, Examiner Hearing)
- Application of Palmer Oil & Gas Company for compulsory pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Mesaverde and Dakota formations underlying the W/2 SW/4 of Section 2, the E/2 SE/4 of Section
- (Case 5906 continued on Page 3)

Tenneco Oil
A Tenneco Company

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



Case 5919

April 12, 1977

APR 14 1977

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

Dear Sir:

To confirm our telephone conversation of April 7, 1977,
we would appreciate being placed on the docket for May 11, 1977
for hearing of our Application For Conversion of Jones Federal #1
to a Saltwater Disposal Well.

If any further information is required prior to that hearing,
please feel free to call.

Yours very truly,

TENNECO OIL COMPANY

A handwritten signature in cursive script that reads "D. D. Myers".

D. D. Myers
Division Production Manager

DDM:HMK:v

NEW MEXICO OIL CONSERVATION COMMISSION
APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATIONCase
5919

OPERATOR TENNECO OIL COMPANY		ADDRESS 1860 Lincoln St., Suite #1010; Denver, CO 80295			
LEASE NAME Jones Federal	WELL NO. 1	FIELD Lusk Strawn	COUNTY Eddy		
LOCATION UNIT LETTER K ; WELL IS LOCATED 1650' FEET FROM THE SL LINE AND 1650 FEET FROM THE LINE, SECTION 23 TOWNSHIP 19-S RANGE 31-E NMPM.					
CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13-3/8"	514	500	Surface	Circulated
INTERMEDIATE	8-5/8"	4005	2150	2200	Temperature Survey
LONG STRING	5-1/2"	12875	900	7420	Cement Bond Log
TUBING	2"	11000'	NAME, MODEL AND DEPTH OF TUBING PACKER Guiberson Unipacker VI --- 11,000'		
NAME OF PROPOSED INJECTION FORMATION Strawn		TOP OF FORMATION 11140		BOTTOM OF FORMATION 12240	
IS INJECTION THROUGH CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLES perforation		PROPOSED INTERVAL(S) OF INJECTION 11174'-11236'	
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No		IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Production		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 Morrow 12422'-12689' - CIBP @12365'. Strawn 11292'-11507'. Cmt. Ret. @11273' w/50 SX					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 500		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA 10440		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 12240	
ANTICIPATED DAILY INJECTION VOLUME (BBL/S.)	MINIMUM 300	MAXIMUM 1000	OPEN OR CLOSED TYPE SYSTEM Open	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (PSI) 500
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? Yes
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) L. H. Bates, 1002 N. Shore Drive, Carlsbad, New Mexico 88220					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL LIST ATTACHED					
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 DIAGRAMMATIC SKETCH OF WELL Yes					

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

D. A. Myers
(Signature)

Division Production Manager

(Title)

3-9-77
(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.

Tenneco Oil
A Tenneco Company

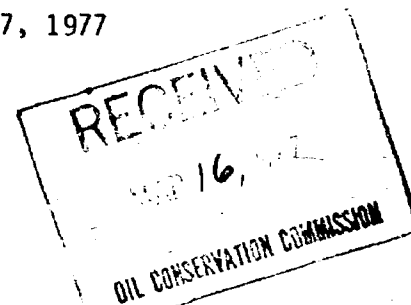
Suite 1200
Lincoln Tower Building
Denver, Colorado 80203
(303) 292-9920



March 7, 1977

New Mexico Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 17501

Attention: Mr. Joe D. Ramey,
State Petroleum Engineer
Secretary - Director



Re: Application for the conversion of
Jones Federal #1 to a Saltwater
Disposal Well.

Dear Sir:

In accordance with Rule 701 B and C, Tenneco hereby requests a permit to inject saltwater into the above captioned well.

We have attached in triplicate from C-108, Surveyors Plat, Induction Electric Log, Water Analysis, and diagramatic sketches of the well bore. The saltwater from this well will come from the Jones Federal and Jones Federal B leases.

We have attached waivers of objection from all offset operators with the exception of Perry R. Bass, Yates Drilling Co. and El Paso Products Co. We have attached copies of waivers being remailed today to these three operators by certified mail.

If any further information is necessary, please contact this office.

Sincerely,

TENNECO OIL COMPANY

D.D. Myers
Division Production Manager

Letter of Waiver

_____ hereby waives all objection to Tenneco's application
for a Saltwater Disposal permit for their Jones Federal #1 Well.

by: _____
Representative

date: _____

DDM/TFD/kk
Attachments
Certified Mail
Return Receipt Requested

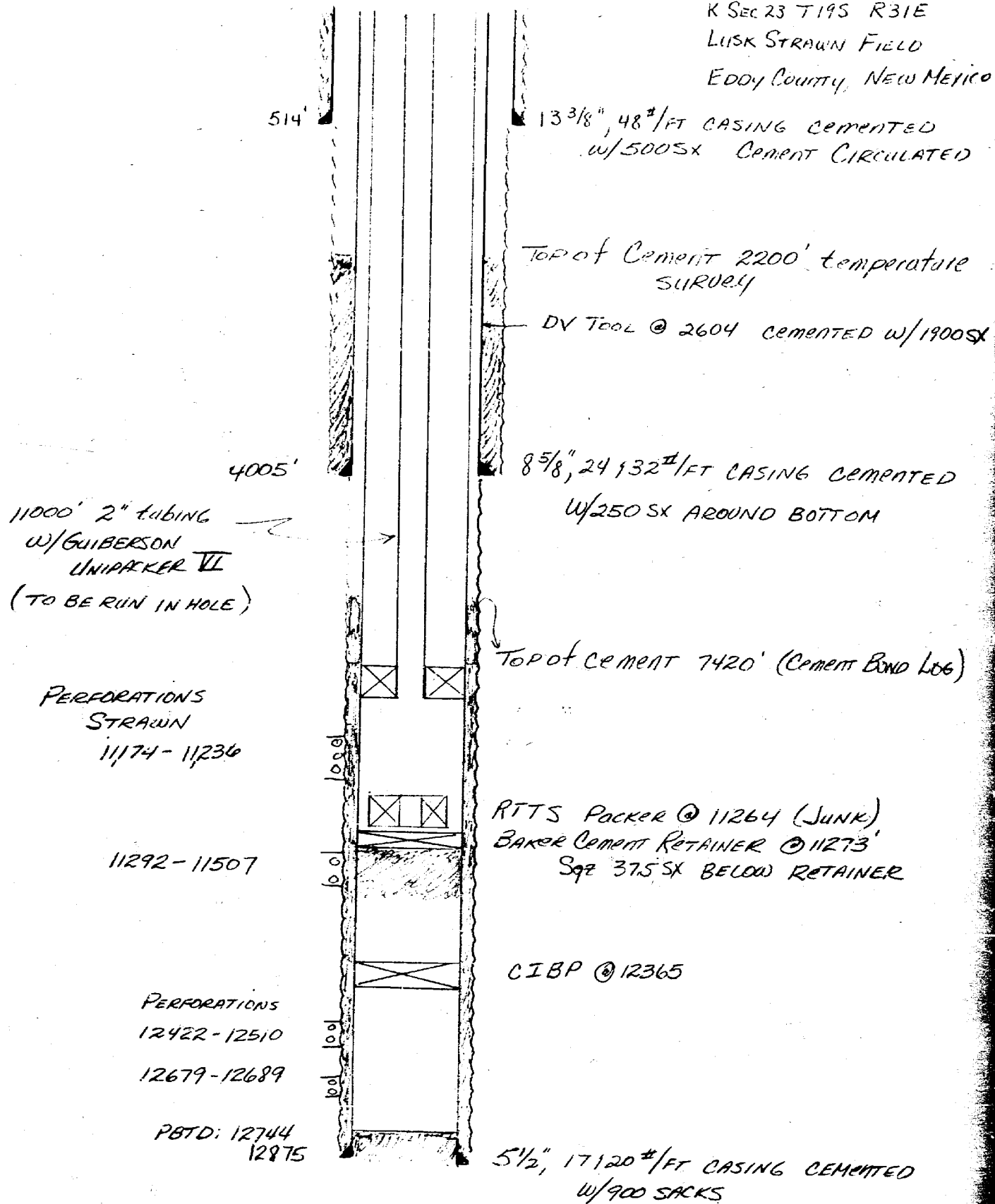
Case 5719

JONES FEDERAL #1

K SEC 23 T19S R31E

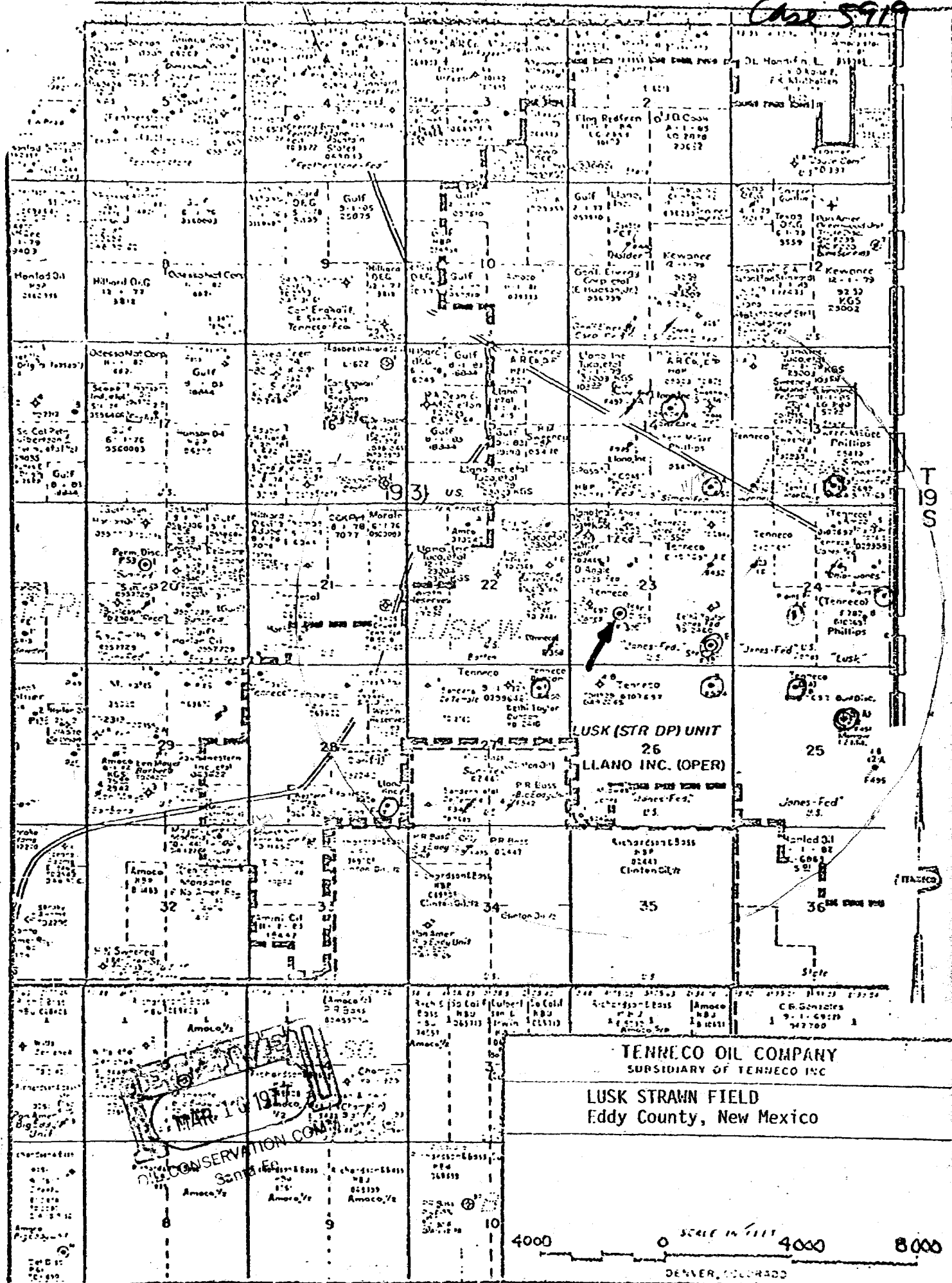
LISK STRAWN FIELD

EDDY COUNTY, NEW MEXICO



NO SCALE

11-3-76



Tenneco Oil
A Tenneco Company

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

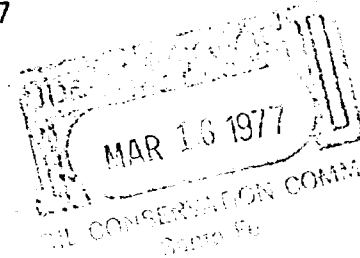
Case 5919



March 7, 1977

New Mexico Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 17501

Attention: Mr. Joe D. Ramey,
State Petroleum Engineer
Secretary - Director



Re: Application for the conversion of
Jones Federal #1 to a Saltwater
Disposal Well.

Dear Sir:

In accordance with Rule 701 B and C, Tenneco hereby requests a permit to inject saltwater into the above captioned well.

We have attached in triplicate from C-108, Surveyors Plat, Induction Electric Log, Water Analysis, and diagramatic sketches of the well bore. The saltwater from this well will come from the Jones Federal and Jones Federal B leases.

We have attached waivers of objection from all offset operators with the exception of Perry R. Bass, Yates Drilling Co. and El Paso Products Co. We have attached copies of waivers being remailed today to these three operators by certified mail.

If any further information is necessary, please contact this office.

Sincerely,

TENNECO OIL COMPANY


D.D. Myers
Division Production Manager

Letter of Waiver

_____ hereby waives all objection to Tenneco's application
for a Saltwater Disposal permit for their Jones Federal #1 Well.

by: _____
Representative

date: _____

DDM/TFD/kk
Attachments
Certified Mail
Return Receipt Requested

EXXON CHEMICAL COMPANY U.S.A.
SPECIALTIES LABORATORY

8230 Stedman, Houston, Texas 77029

November 16, 1976
WATER ANALYSIS

EXXON
CHEMICALS

Case 5919

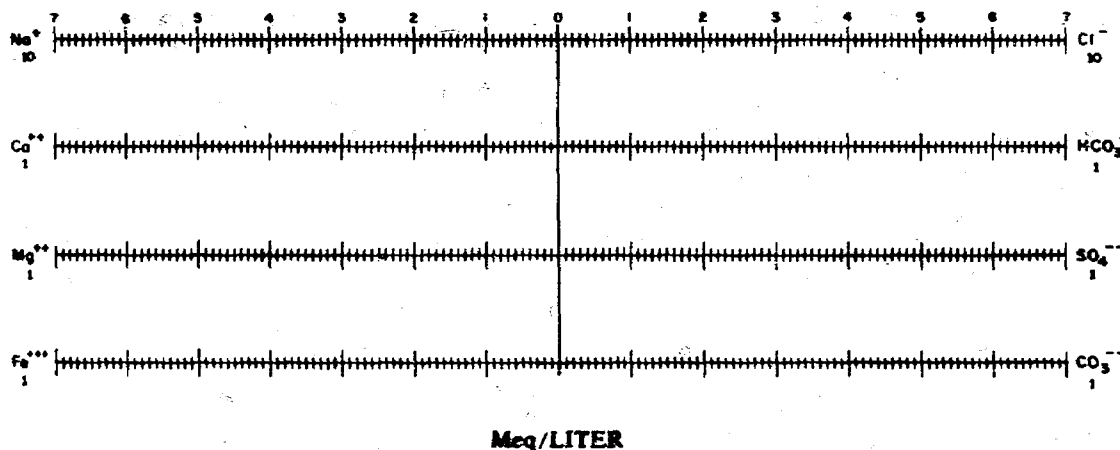
SAMPLE DESCRIPTION: Water sample from Jones-Federal # -3 submitted for routine correlation. Sample taken 11-10-76.

COMPANY: Tenneco Oil Co.
STSR NUMBER: 117691
REQUESTED BY: Harold Langen

DATE RECEIVED: 11-11-76
ANALYZED BY: W. C. Whiteside

	Mg/L	Meq/L		
Sodium	40,355	1,754.6	pH	6.4
Calcium	8,200	410.0	Specific Gravity at 60 °F.	1.0911
Magnesium	2,005	165.0	Resistivity, ohms/m @ 77°F.	0.077
Chloride	82,382	2,323.2		
Sulfate	185	3.8	Oil Content	
Bicarbonate	154	2.5	Organic Matter	
Carbonate	0	0.0	Hydrogen Sulfide	0.0
Hydroxide	0	0.0		
TOTAL	133,281			
Dissolved Iron				
Total Iron	34.8	1.2		

WATER PATTERN (Stiff Method)



Remarks:

Gulf Energy and Minerals Company - U. S.

PRODUCTION DEPARTMENT
MIDLAND DISTRICTR. E. Galvin
DISTRICT PRODUCTION MANAGER
J. M. Thacker
DISTRICT OPERATIONS MANAGER
A. J. Evans, Jr.
DISTRICT ENVIRONMENTAL, SAFETY,
AND JOINT OPERATIONS MANAGERP. O. Drawer 1150
Midland, TX 79701

January 12, 1977

Jones Fed. #1

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

Gentlemen:

This is to advise that Gulf Oil Corporation has been given due notice that Tenneco Oil Company has made application to dispose of produced water into their Jones Federal No. 1, in the Lusk (Strawn) Field, Eddy County, New Mexico.

We hereby waive any objection to the granting of this application for the above well which is located:

1650' FSL & 1650' FWL
of Section 23, T-19-S,
R-31-E, Eddy County,
New Mexico

Executed this 12th day of January, 1977.

Yours very truly,

GULF OIL CORPORATION

BY W. C. Palmer
W. C. PALMER
DISTRICT MANAGER - ENGINEERING

JDS:HW



A DIVISION OF GULF OIL CORPORATION



Amoco Production Company
500 Jefferson Building
P.O. Box 3092
Houston, Texas 77001

T. Don Stacy
Division Engineering
Manager

January 10, 1977

File: JRI-986.51NM-124

Re: Disposal Well Waiver
Jones Federal Well No. 1
Lusk Strawn Pool
Eddy County, New Mexico

Mr. Joe D. Ramey, Secretary-Director
Oil Conservation Commission
P. O. Box 2088
Santa Fe, NM 87501

Dear Sir:

Tenneco Oil Company plans to make application for permission to dispose of produced water from their Jones Federal leases into the Jones Federal Well No. 1 at a depth from 11,174' to 11,236'.

The subject well is located in the Lusk Strawn Pool in Eddy County.

Amoco Production Company has no objection to this proposal and hereby waives notice and hearing.

Very truly yours,

T. Don Stacy
EHS

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

EHW:as

Taylor
Tenneco Oil
A Tenneco Company

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



December 30, 1976

PHILLIPS PETROLEUM COMPANY
Box 2130
Hobbs, NM 88240

RE: Disposal of Produced Water
JONES FEDERAL #1
Lusk Strawn Field
Eddy County, New Mexico

Gentlemen:

Tenneco Oil Company is applying to the Oil Conservation Commission for permission to dispose of produced Strawn water in the subject well from 11174'-11236'. This disposal well will handle produced water from the Jones Federal, Jones Federal B, and Jones Federal C leases. Location of the well is shown on the attached plat.

If you as an operator in this field have no objection to the disposal of produced water in the Jones Federal #1 as outlined, please sign one copy of this letter and return it to this office at your earliest convenience.

Very truly yours,

TENNECO OIL COMPANY

D. D. Myers

D. D. Myers,
Division Production Manager

DLL:CAC

enc.

APPROVAL:

By W. B. [Signature], Director -
Reservoir Engineering
Company PHILLIPS PETROLEUM COMPANY

Date January 12, 1977

Tenneco Oil
A Tenneco Company

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



Case 5919

D D Myers

December 30, 1976

SHELL OIL COMPANY
Box 831 - Entex Building
Western E & P Region
Houston, TX 77001

MCD
Division

RE: Disposal of Produced Water
JONES FEDERAL #1
Lusk Strawn Field
Eddy County, New Mexico

Gentlemen:

Tenneco Oil Company is applying to the Oil Conservation Commission for permission to dispose of produced Strawn water in the subject well from 11174'-11236'. This disposal well will handle produced water from the Jones Federal, Jones Federal B, and Jones Federal C leases. Location of the well is shown on the attached plat.

If you as an operator in this field have no objection to the disposal of produced water in the Jones Federal #1 as outlined, please sign one copy of this letter and return it to this office at your earliest convenience.

Very truly yours,

TENNECO OIL COMPANY

[Signature]
D. D. Myers,
Division Production Manager

DLI:CAC

enc.

APPROVAL:

By *[Signature]*
G. W. Keys, Division Operations Engineer
Company Shell Oil Company

Date January 19, 1977

Case 5919



PETROLEUM PRODUCTS

PRODUCING DEPARTMENT
CENTRAL UNITED STATES
MIDLAND DIVISION

TEXACO INC.
P. O. BOX 3109
MIDLAND, TEXAS 79701

January 20, 1977

WAIVER OF OBJECTION
DISPOSAL OF PRODUCED WATER
TENNECO OIL COMPANY
JONES FEDERAL WELL NO. 1 ✓
LUSK STRAWN FIELD
EDDY COUNTY, NEW MEXICO

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

Attention: Mr. Joe Ramey

Gentlemen:

Texaco Inc. has been advised by Tenneco Oil Company of its application to dispose of produced water from their Jones Federal, Jones Federal B, and Jones Federal C leases by injection of produced Strawn water into the subject well from 11,174 feet to 11,236 feet.

Texaco Inc., as an operator in the Lusk Strawn Field, has no objection to the application.

Yours very truly,

Darrell Smith
Division Manager

By R. G. Brown
R. G. Brown
Assistant to Division Manager

PHD/lr

cc: Tenneco Oil Company
Suite 1200
Lincoln Tower Bldg.
Denver, CO 80203

This is recycled paper

Tenneco Oil
A Tenneco Company

RECEIVED JAN 5 1977

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

Case 5919



December 30, 1976

LLANO, INC.,
Box 1320
Broadmoor Bldg.
Hobbs, NM 88240

RE: Disposal of Produced Water
JONES FEDERAL #1
Lusk Strawn Field
Eddy County, New Mexico

Gentlemen:

Tenneco Oil Company is applying to the Oil Conservation Commission for permission to dispose of produced Strawn water in the subject well from 11174'-11236'. This disposal well will handle produced water from the Jones Federal, Jones Federal B, and Jones Federal C leases. Location of the well is shown on the attached plat.

If you as an operator in this field have no objection to the disposal of produced water in the Jones Federal #1 as outlined, please sign one copy of this letter and return it to this office at your earliest convenience.

Very truly yours,

TENNECO OIL COMPANY

D. D. Myers

D. D. Myers,
Division Production Manager

DLL:CAC

enc.

APPROVAL:

By

Company

Date

Charles Haley
LLANO, INC.
Jan 7, 1977

December 30, 1976

CONTINENTAL OIL COMPANY
Box 460 - 1001 N. Turner St.
Hobbs, New Mexico 88240

RE: Disposal of Produced Water
JONES FEDERAL #1
Lusk Strawn Field
Eddy County, New Mexico

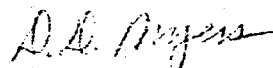
Gentlemen:

Tenneco Oil Company is applying to the Oil Conservation Commission for permission to dispose of produced Strawn water in the subject well from 11174'-11236'. This disposal well will handle produced water from the Jones Federal, Jones Federal B, and Jones Federal C leases. Location of the well is shown on the attached plat.

If you as an operator in this field have no objection to the disposal of produced water in the Jones Federal #1 as outlined, please sign one copy of this letter and return it to this office at your earliest convenience.

Very truly yours,

TENNECO OIL COMPANY



D. D. Myers,
Division Production Manager

DLL:CAC

enc.

APPROVAL:

By



Company



Date

2-14-77

Case 5919

PERRY R. BASS
FORT WORTH NATIONAL BANK BUILDING
FORT WORTH, TEXAS 76102

MAR 21 1977

March 17, 1977

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

Attn: Mr. Joe D. Ramey


Re: Tenneco Oil
Application for the
Conversion of Jones
Federal #1 to a
Saltwater Disposal Well

Dear Sir:

Enclosed please find one copy of Tenneco Oil letter dated March 7, 1977, which sets out our waiver of all objections to Tenneco's application for a Saltwater Disposal permit for their Jones Federal #1 Well.

This letter was approved for Perry R. Bass by C. W. Walts, Manager Outside Operations.

Yours very truly,


Sheila D. Richards
Secretary to C. W. Walts

/sdr
Enclosures
cc: 800-FF Lusk Strawn Field

Tenneco Oil Co.
Suite 1200 Lincoln Tower Building
Denver, Colorado 80203
Attn: Mr. D. D. Myers
Division Production Manager

Tenneco Oil
A Tenneco Company

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



Case 5919

March 7, 1977

New Mexico Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 17501

Attention: Mr. Joe D. Ramey,
State Petroleum Engineer
Secretary - Director

Re: Application for the conversion of
Jones Federal #1 to a Saltwater
Disposal Well.

Dear Sir:

In accordance with Rule 701 B and C, Tenneco hereby requests a permit to inject saltwater into the above captioned well.

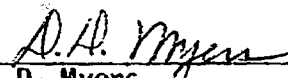
We have attached in triplicate from C-108, Surveyors Plat, Induction Electric Log, Water Analysis, and diagramatic sketches of the well bore. The saltwater from this well will come from the Jones Federal and Jones Federal B leases.

We have attached waivers of objection from all offset operators with the exception of Perry R. Bass, Yates Drilling Co. and El Paso Products Co. We have attached copies of waivers being remailed today to these three operators by certified mail.

If any further information is necessary, please contact this office.

Sincerely,

TENNECO OIL COMPANY


D.D. Myers
Division Production Manager

Letter of Waiver

Perry R. Bass hereby waives all objection to Tenneco's application
for a Saltwater Disposal permit for their Jones Federal #1 Well.

by: _____
Representative

date: _____

DDM/TFD/kk
Attachments
Certified Mail
Return Receipt Requested



LEASE and WELL SERVICE COMPANY

Borger - Phone 273-7321 - Spearman - Phone 659-2290

Waivers Rec'd

Isulf

Amoco

Phillips

Shell

Texaco

Glano -

Conoco

Perry Bass

Waivers needed

El Paso Products

Gates Drilling Co.

Tenneco Oil
A Tenneco Company

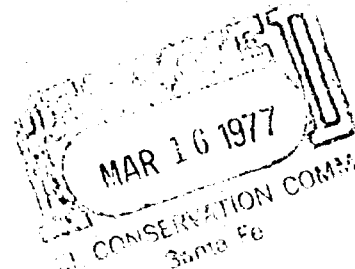
Suite 1200
Lincoln Tower Building
Denver, Colorado 80203
(303) 292-9920



March 7, 1977

New Mexico Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 17501

Attention: Mr. Joe D. Ramey,
State Petroleum Engineer
Secretary - Director



Re: Application for the conversion of
Jones Federal #1 to a Saltwater
Disposal Well.

Dear Sir:

In accordance with Rule 701 B and C, Tenneco hereby requests a permit to inject saltwater into the above captioned well.

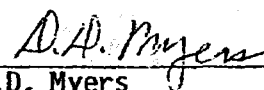
We have attached in triplicate from C-108, Surveyors Plat, Induction Electric Log, Water Analysis, and diagramatic sketches of the well bore. The saltwater from this well will come from the Jones Federal and Jones Federal B leases.

We have attached waivers of objection from all offset operators with the exception of Perry R. Bass, Yates Drilling Co. and El Paso Products Co. We have attached copies of waivers being remailed today to these three operators by certified mail.

If any further information is necessary, please contact this office.

Sincerely,

TENNECO OIL COMPANY


D.D. Myers
Division Production Manager

Letter of Waiver

El Paso Products Co. hereby waives all objection to Tenneco's application for a Saltwater Disposal permit for their Jones Federal #1 Well.

by: _____
Representative

date: _____

DDM/TFD/kk
Attachments
Certified Mail
Return Receipt Requested

Tenneco Oil
A Tenneco Company

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

TENNACO

Case 5919

March 7, 1977

New Mexico Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 17501

Attention: Mr. Joe D. Ramey,
State Petroleum Engineer
Secretary - Director

MAR 16 1977
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe

Re: Application for the conversion of
Jones Federal #1 to a Saltwater
Disposal Well.

Dear Sir:

In accordance with Rule 701 B and C, Tenneco hereby requests a permit to inject saltwater into the above captioned well.

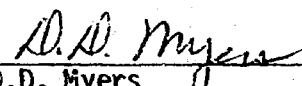
We have attached in triplicate from C-108, Surveyors Plat, Induction Electric Log, Water Analysis, and diagramatic sketches of the well bore. The saltwater from this well will come from the Jones Federal and Jones Federal B leases.

We have attached waivers of objection from all offset operators with the exception of Perry R. Bass, Yates Drilling Co. and El Paso Products Co. We have attached copies of waivers being remailed today to these three operators by certified mail.

If any further information is necessary, please contact this office.

Sincerely,

TENNECO OIL COMPANY


D.D. Myers
Division Production Manager

Letter of Waiver

Yates Drilling Co. hereby waives all objection to Tenneco's application for a Saltwater Disposal permit for their Jones Federal #1 Well.

by: _____
Representative

date: _____

DDM/TFD/kk
Attachments
Certified Mail
Return Receipt Requested

Case
5919NEW MEXICO OIL CONSERVATION COMMISSION
APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR TENNECO OIL COMPANY		ADDRESS 1860 Lincoln St., Suite #1010; Denver, CO 80295			
LEASE NAME Jones Federal	WELL NO. 1	FIELD Lusk Strawn	COUNTY Eddy		
LOCATION UNIT LETTER K : WELL IS LOCATED 1650' FEET FROM THE SL LINE AND 1650 FEET FROM THE LINE, SECTION 23 TOWNSHIP 19-S RANGE 31-E NMPM.					
CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13-3/8"	514	500	Surface	Circulated
INTERMEDIATE	8-5/8"	4005	2150	2200	Temperature Survey
LONG STRING	5-1/2"	12875	900	7420	Cement Bond Log
TUBING	2"	11000'	NAME, MODEL AND DEPTH OF TUBING PACKER Guiberson Unipacker VI --- 11,000'		
NAME OF PROPOSED INJECTION FORMATION Strawn		TOP OF FORMATION 11140		BOTTOM OF FORMATION 12240	
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLE? perforation		PROPOSED INTERVAL(S) OF INJECTION 11174'-11236'	
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No		IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Production		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 Morrow 12422'-12689' - CIBP @12365'. Strawn 11292'-11507'. Cmt. Ret. @11273' w/50 SX					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 500		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA 10440		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 12240'	
ANTICIPATED DAILY INJECTION VOLUME (BBLs.)	MINIMUM 300	MAXIMUM 1000	OPEN OR CLOSED TYPE SYSTEM Open	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (PSI) 500
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? Yes
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) L. H. Bates, 1002 N. Shore Drive, Carlsbad, New Mexico 88220					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL LIST ATTACHED					
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)		PLAY 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.

D. B. Myers
(Signature)

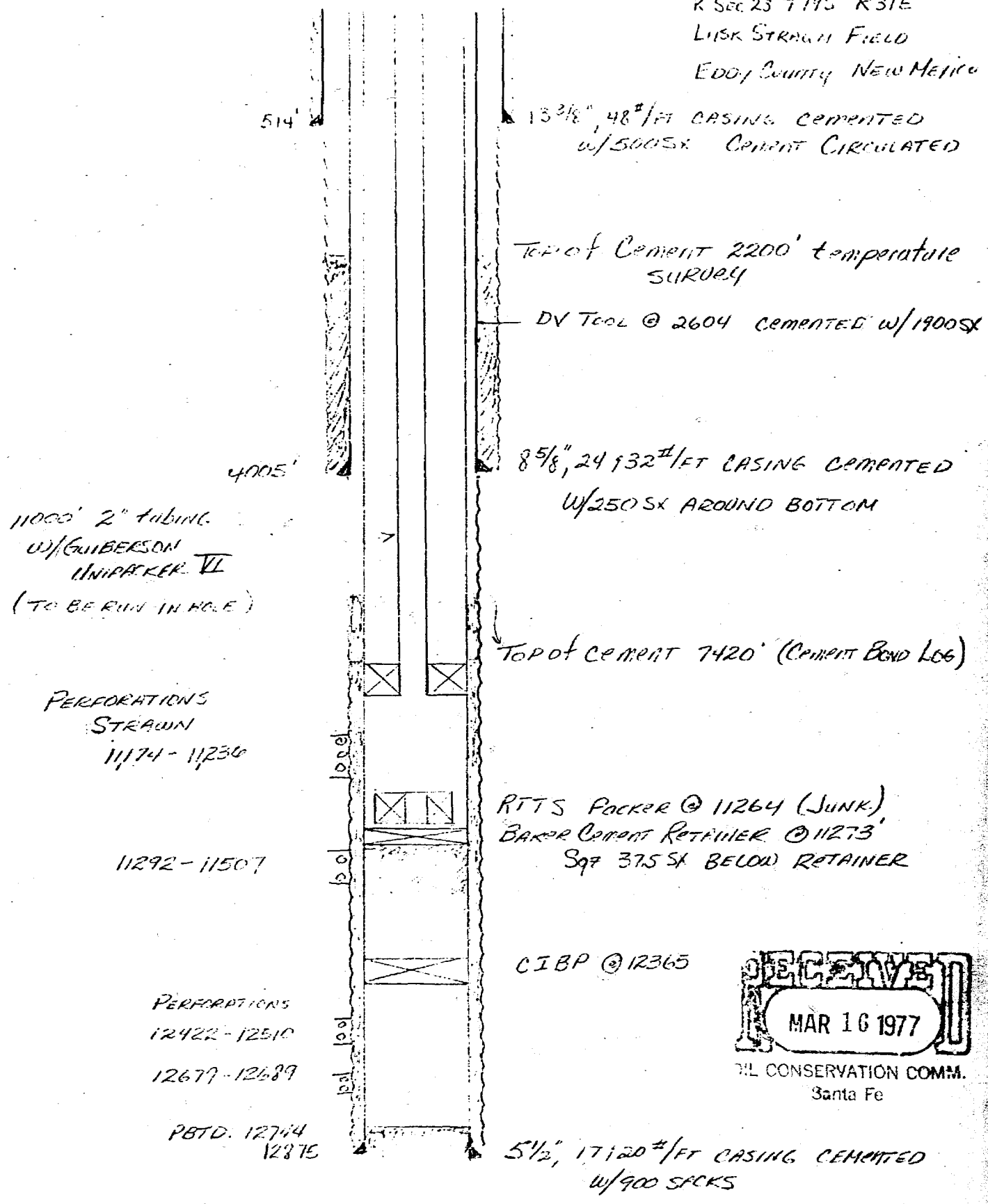
Division Production Manager

(Title)

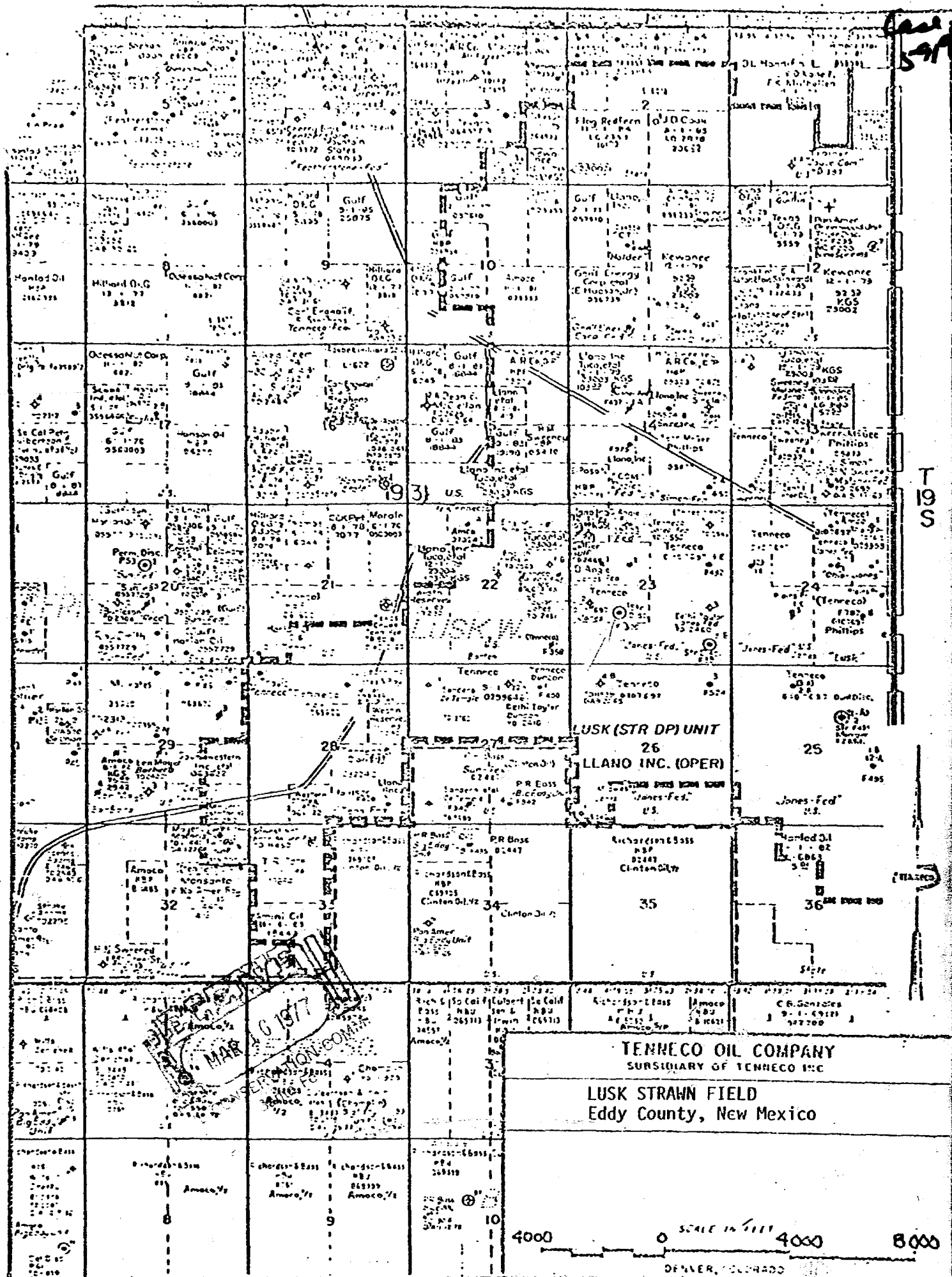
3-9-77
(Date)

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.

Case 5919
 JOHN C. FEDERAL #1
 R Sec 23 T19S R31E
 LISK STRAWN FIELD
 EDO, County New Mexico



RECEIVED
 MAR 16 1977
 OIL CONSERVATION COMM.
 Santa Fe



NEW MEXICO OIL CONSERVATION COMMISSION	
FILE NO.	
DATE	
LAND OFFICE	
TRANSPORTATION	
OPERATION OFFICE	
OPERATION	

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT
 SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

FORM C-128
 Revised 5/1/57

Case 5919

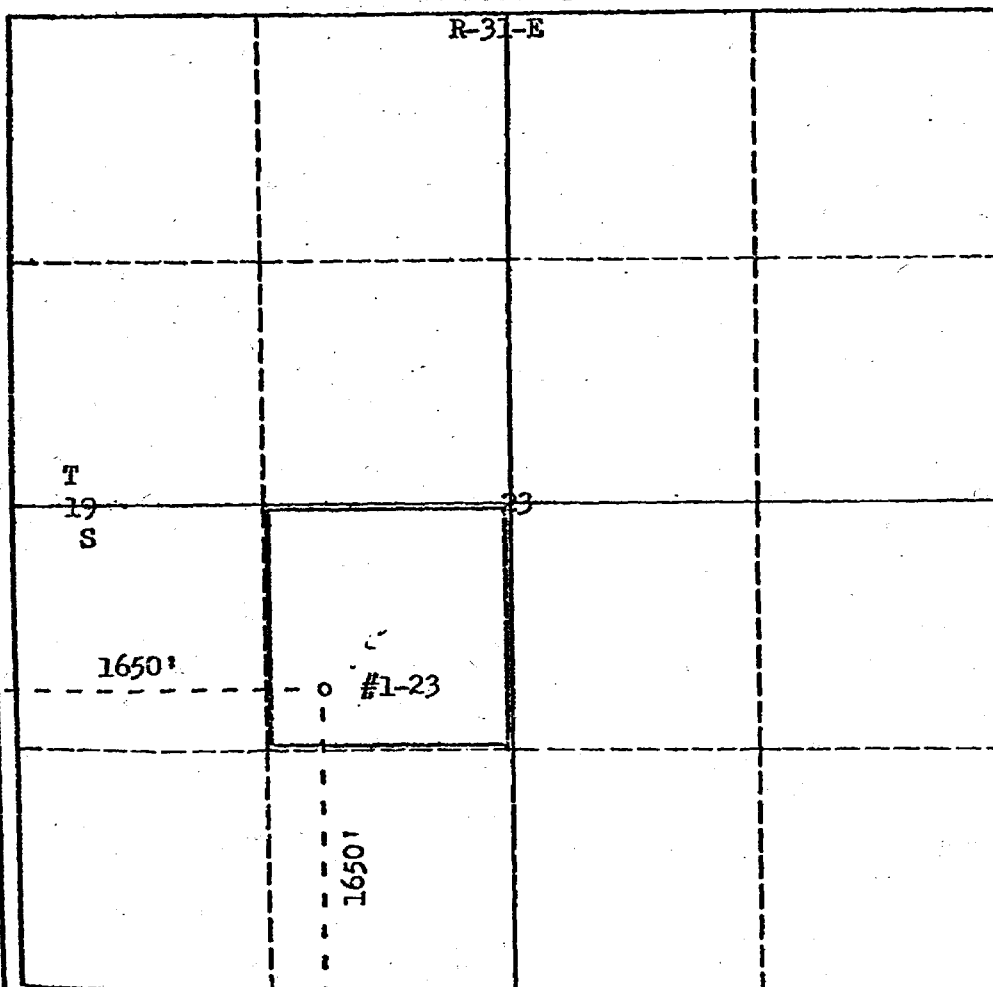
SECTION A

Operator Delhi - Taylor Oil Corporation		Lease Jones Federal		Well No. 1-23
Unit Letter K	Section 23	Township T-19-S	Range R-31-E	County Eddy
Actual Footage Location of Well: 1650 feet from the South line and 1650 feet from the West line				
Ground Level Elev. 3547	Producing Formation		Pool	Dedicated Acreage: 40 Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ☐ ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (a) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by community agreement or otherwise? YES ☐ NO ☐ If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B



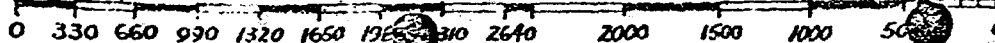
CERTIFICATION

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

A. F. Bolton
 Name
A. F. Bolton
 Position
District Superintendent
 Company
Delhi-Taylor Oil Corp.
 Date
5-15-63

I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
May 14, 1963
 Registered Professional Engineer and/or Land Surveyor
W. H. Hitt
 Certificate No.
3280



EXXON CHEMICAL COMPANY U.S.A.
SPECIALTIES LABORATORY

8230 Stedman, Houston, Texas 77029

November 16, 1976

WATER ANALYSIS

EXXON
CHEMICALS

Card
5919

SAMPLE DESCRIPTION: Water sample from Jones-Federal # -3 submitted for routine correlation. Sample taken 11-10-76.

COMPANY: Tenneco Oil Co.

STSR NUMBER: 117691

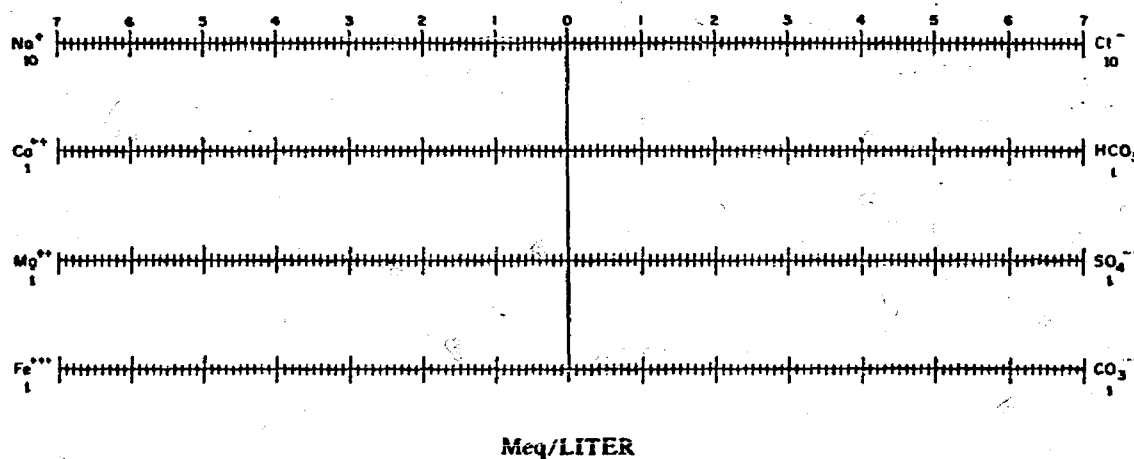
REQUESTED BY: Harold Langen

DATE RECEIVED: 11-11-76

ANALYZED BY: W. C. Whiteside

	Mg/L	Meq/L		
Sodium	40,355	1,754.6	pH	6.4
Calcium	8,200	410.0	Specific Gravity at 60 °F.	1.0911
Magnesium	2,005	165.0	Resistivity, ohms/m @ 77°F.	0.077
Chloride	82,382	2,323.2		
Sulfate	185	3.8	Oil Content	
Bicarbonate	154	2.5	Organic Matter	
Carbonate	0	0.0	Hydrogen Sulfide	0.0
Hydroxide	0	0.0		
TOTAL	133,281			
Dissolved Iron				
Total Iron	34.8	1.2		

WATER PATTERN (Stiff Method)



Remarks:

2
h
off
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:

CASE NO. 5919

Order No. R- 5431

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

JGR *dan* *LS*
ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on May 11, 19 77,
at Santa Fe, New Mexico, before Examiner Daniel G. Nutter R.A.S.

NOW, on this day of May, 1977, 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. 5919 is hereby dismissed.

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