



101 JUN 10 1964

CONTINENTAL OIL COMPANY

P. O. BOX 460
HOBBS, NEW MEXICO

1001 NORTH TURNER
TELEPHONE: EX 3-4141

PRODUCTION DEPARTMENT
HOBBS DISTRICT
A. B. SLAYBAUGH
DISTRICT MANAGER
G. C. JAMIESON
ASSISTANT DISTRICT MANAGER

June 17, 1964

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

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

Re: Application to Dispose of Salt
Water Anderson Ranch Unit
Well No. 16

Gentlemen:

We forward herewith in triplicate application for permission to dispose of salt water produced from the Anderson Ranch Devonian and Anderson Ranch Wolfcamp Pools into Anderson Ranch Unit Well No. 16, located in Unit T, Section 2, Township 16 South, Range 32 East, Lea County, New Mexico. It is our intention to deepen this well after squeezing the present perforations with cement. Produced salt water will then be injected into a lost circulation zone approximately 200 feet below the present total depth of the well. Injection will be conducted in open hole between the depths of 9,919' and approximately 10,170'. The lost circulation zone is presently receiving salt water from Gulf Oil Corporation's State CR No. 3, located in this same section. We anticipate that this zone will receive water at no surface pressure.

The information available to us indicates that no portion of the open hole interval is productive of oil within more than two miles of our proposed injection well.

Copies of this application is being furnished the State Engineer's Office this date by certified mail. Offset operators are being furnished a copy also, and are being requested to furnish waivers.

We should appreciate your further handling and approval of this application by administrative procedures. In the event that the application is not eligible for administrative approval, we should appreciate

New Mexico Oil Conservation Commission
Page 2

your setting the matter for hearing at the earliest possible date.

Yours very truly,



VTL-MLH

CC: RGP GW JWK

- Phillips Petroleum Corporation, Hobbs, New Mexico
- Pan American Petroleum Corporation, Hobbs, New Mexico
- Gulf Oil Corporation, Hobbs, New Mexico
- Shell Oil Company, Roswell, New Mexico
- Sunray-Mid Continent, Hobbs, New Mexico
- International Development Company, Artesia, New Mexico
- Vickers Petroleum Company, Denver, Colorado
- Humble Oil & Refining Company, Hobbs, New Mexico
- Sinclair Oil & Gas Company, Hobbs, New Mexico
- Mobil Oil Company, Hobbs, New Mexico

CC by Certified Mail: *[illegible]*
State Engineer's Office, Santa Fe, New Mexico

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

Revised 9-16-58
MAIN OFFICE OCC

1934 JUN 10 AM 7 43

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

Operator Continental Oil Company Address Box 460, Hobbs, New Mexico

Lease Anderson Ranch Unit Well No. 16 County Lea

Unit T Section 2 Township 16 S Range 32E

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

Anderson Ranch Unit Devonian & Anderson Ranch Unit Wolfcamp

Name of Injection Formation(s): Lower Wolfcamp

Top of injection zone: 9919 (estimated) Bottom of injection zone: 10,170 (estimated)

Give operator, lease, well no , and location of any other well in this area using this same

zone for disposal purposes Gulf State CR No. 3, 3300' FSL & 1980' F.L of

Section 2, T-16S, R-32E

CASING PROGRAM

	Diameter	Setting Depth	Sacks Cement	Top of Cement
Surface	13 3/8	627	600	Circ.
Intermediate	8 5/8	4162	2358	Circ.
Long String	5 1/2	9919	303	7684

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

Size tubing: 2 7/8 Setting depth: 9915 Packer set at: 9910

Name and Model No. of packer: Guiberson Hookwall packer

Will injection be through perforations or open hole? Open hole

Proposed interval(s) of injection: 9919-10,170 (estimated)

Well was originally drilled for what purpose? oil producer

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:

9720-9750, 9778-9802, 9812-9819, 9846-9867, 9890-9903. 120 sacks (estimated)

Give depth of bottom of next higher zone which produces oil or gas: 9903

Give depth of top of next lower zone which produces oil or gas: 13,475 (not reached)

Give depth of bottom of deepest fresh water zone in area: 500

Expected volume of salt water to be injected daily (barrels): 3000

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

Phillips Petroleum Corp., Box 2105, Hobbs, New Mexico

Pan American Petroleum Corp., Box 68, Hobbs, New Mexico

Gulf Oil Corp., Box 760, Hobbs, New Mexico

Shell Oil Co., Box 1858, Roswell, New Mexico

Sunray-Mid Continent, Box 128, Hobbs, New Mexico

International Development Co., 207 S. 4th, Artesia, New Mexico

Vickers Petroleum Co., 2200 First Nat'l. Bank Bldg., Denver, Colorado

Humble Oil & Refining Co., Box 2100, Hobbs, New Mexico

Sinclair Oil & Gas Co., 520 E. Broadway, Hobbs, New Mexico

Mobil Oil Co., Box 2406, Hobbs, New Mexico

Name and address of surface owner W. A. Anderson (Lessee)

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? Yes

Operator: Continental Oil Company

By: G. C. Jamieson

Title: Assistant District Manager

STATE OF NEW MEXICO)
) ss.
County of Lea)

BEFORE ME, The undersigned authority, on this day personally appeared G. C. Jamieson 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 16th day of June, 19 64.

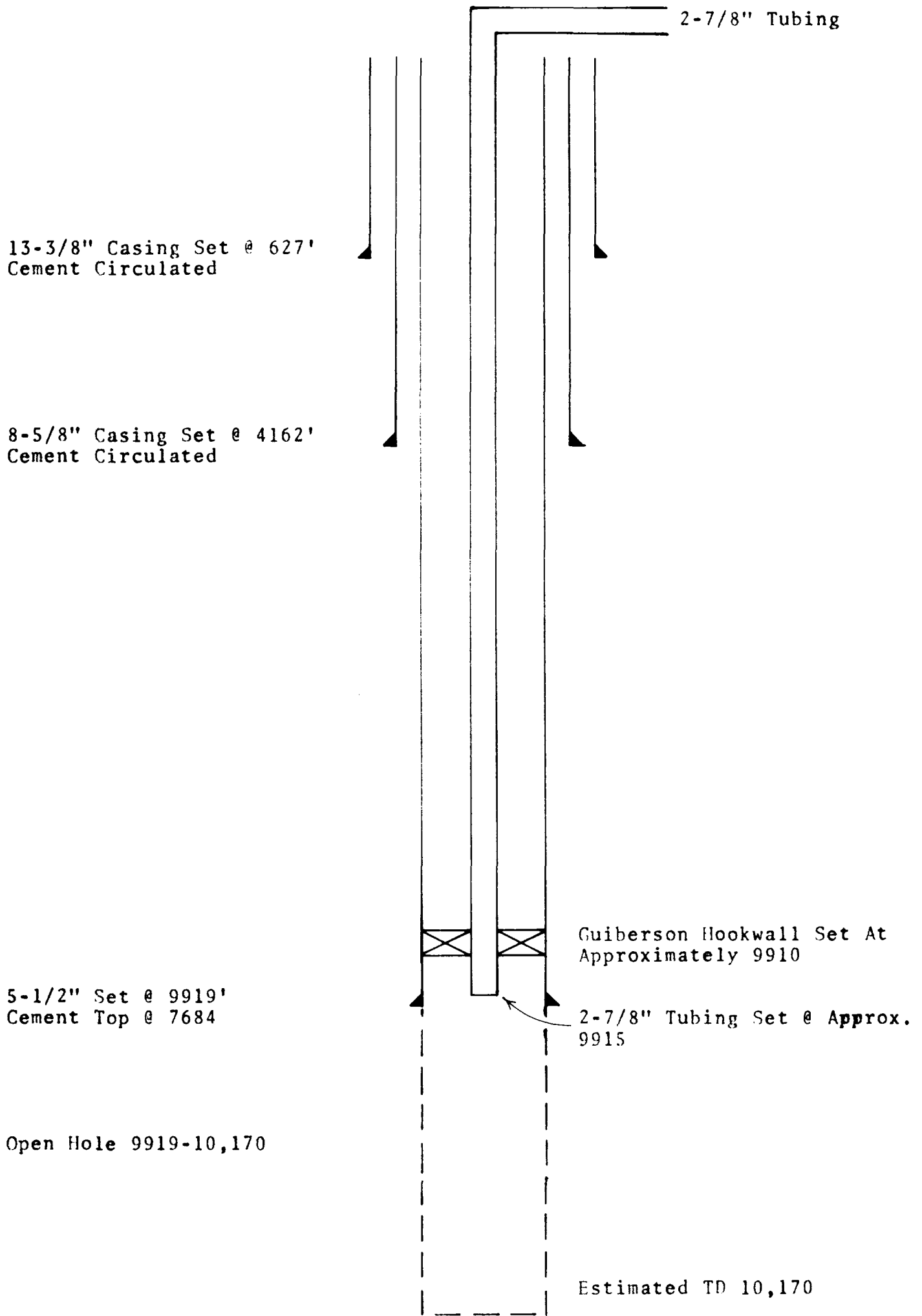
John E. Rachel
Notary Public in and for the County of Lea

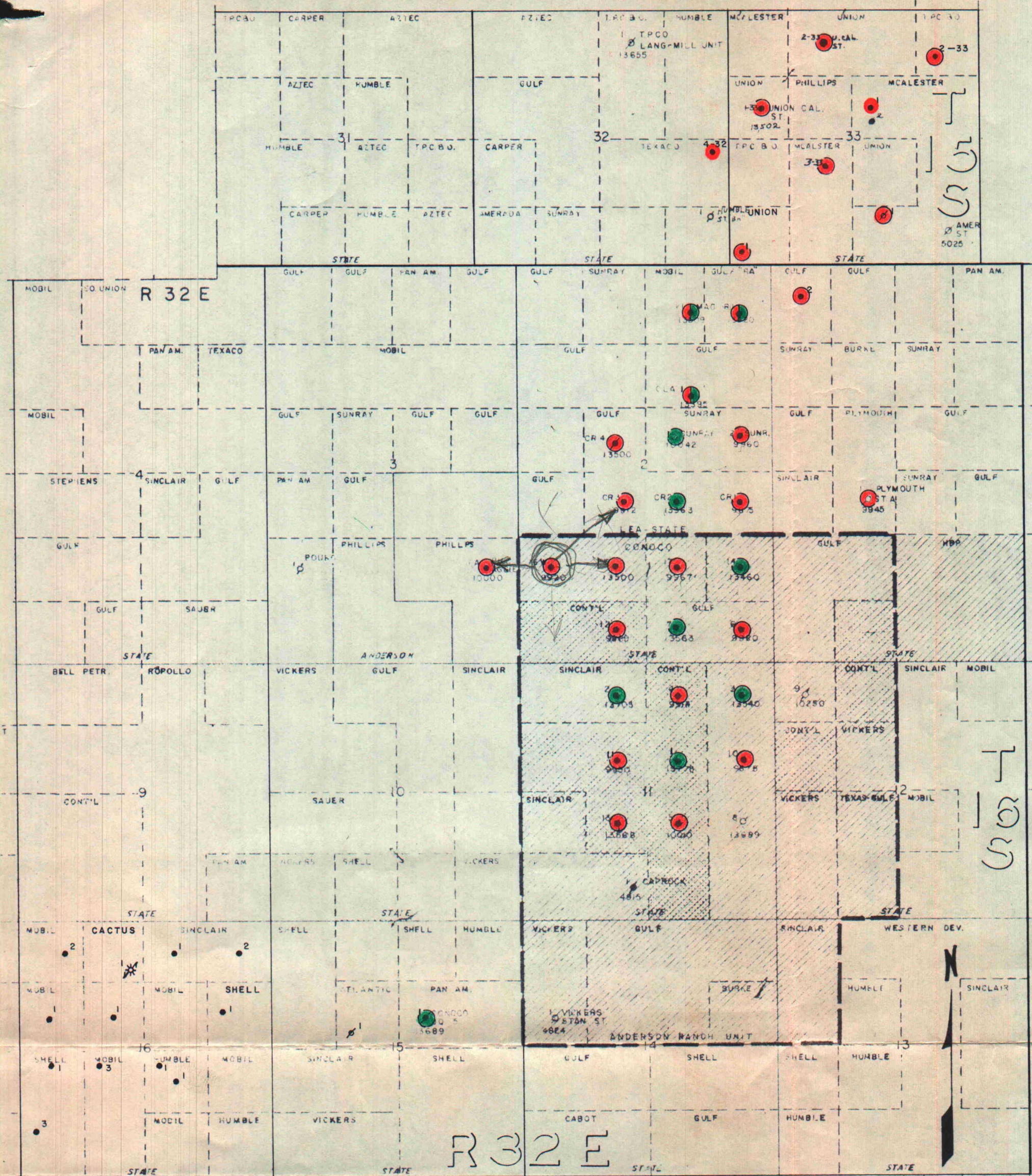
11-14-66

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.

==
CONTINENTAL OIL COMPANY
PROPOSED METHOD OF COMPLETION
ANDERSON RANCH UNIT NO. 16





LEGEND

- DEVONIAN-WOLFCAMP DUAL WELL
- DEVONIAN WELL
- WOLFCAMP WELL
- MESA QUEEN WELL

CONTINENTAL OIL COMPANY
PRODUCTION DEPARTMENT
HOBBS DISTRICT

ANDERSON RANCH UNIT AREA
LEA COUNTY, NEW MEXICO

SCALE: 1" = 2000'

6-16-64 RFL

MAIN OFFICE OCC

1964 JUN 19 AM 7:49

See B-16

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

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

Gentlemen:

The undersigned offset operator has been furnished a copy of the application of Continental Oil Company for permission to inject salt water into the Lower Wolfcamp formation between the depths of 9,919' to approximately 10,170' in its Anderson Ranch Unit Well No. 16, located in Unit T, Section 2, Township 16 South, Range 32 East, Lea County, New Mexico. You are hereby notified that the undersigned waives notice and hearing to the application described above.

GULF OIL CORPORATION

Company

By. *W. E. K. K. K.*
AREA PRODUCTION MANAGER

Hobbs, N.M.
6-18-64

*Just
46*

23 AM 71.

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

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

Gentlemen:

The undersigned offset operator has been furnished a copy of the application of Continental Oil Company for permission to inject salt water into the Lower Wolfcamp formation between the depths of 9,919' to approximately 10,170' in its Anderson Ranch Unit Well No. 16, located in Unit T, Section 2, Township 16 South, Range 32 East, Lea County, New Mexico. You are hereby notified that the undersigned waives notice and hearing to the application described above.

Humble Oil & Refining Co.
Company

*SJC
moe*

By: *[Signature]*

E. L. Hensley
6-22-64

CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

WESTERN UNION

TELEGRAM

W. P. MARSHALL, PRESIDENT

1201 (4-60)

SYMBOLS

DL=Day Letter

NL=Night Letter

LT=International Letter Telegram

The filing time shown in the date line on domestic telegrams is the time of origin. Time of receipt is LOCAL TIME at point of destination

MAIN OFFICE OCC

LA070 KA231

(01)

1964 JUN 19 PM 1:43
K BRA066 DL PD 3 EXTRA=WUX BARTLESVILLE OKLA 19 1157A CST=
=A L PORTER JR, SECRETARY AND DIRECTOR= 1964 JUN 19 PM 12 33

NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE NMEX=

REFERENCE CONTINENTAL OIL COMPANY'S APPLICATION TO
CONVERT ITS ANDERSON RANCH UNIT WELL T-16, SECTION
2-16S-32E LEA COUNTY, NEW MEXICO TO A SALT WATER
DISPOSAL WELL IN LOWER WOLFCAMP FORMATION AT
INTERVALS 9990' TO 10,000 AND 10,085' TO 10,115'.

AS AN OFFSET OPERATOR, WE WISH TO ADVISE THAT WE HAVE
NO OBJECTION TO THIS DISPOSAL OPERATION=

PHILLIPS PETROLEUM CO EARL GRIFFIN MANAGER

PRODUCTION DIVISION=

T-16 2-16S-32E 9990' 10,000 10,085' 10,115' S SERVICE

CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

WESTERN UNION

TELEGRAM

W. P. MARSHALL, PRESIDENT

1201 (4-60)

SYMBOLS

DL=Day Letter

NL=Night Letter

LT=International Letter Telegram

The filing time shown in the date line on domestic telegrams is LOCAL TIME at point of origin. The filing time on international telegrams is LOCAL TIME at point of destination.

LA086 DA277

1964 JUN 19 PM 12 43

(30) 101

D LUA232 PD 4 EXTRA=FAX LUBBOCK TEX 19 12 43 CST=

A L PORTER JR, SECY DIR=

OIL CONSERVATION COMMISSION SANTA FE NMEX=

THE UNDERSIGNED BEING AN AUTHORIZED REPRESENTATIVE OF THE OFFSET OPERATOR, HAS BEEN DULY INFORMED BY CONTINENTAL OIL CO OF THEIR APPLICATION FOR SALT WATER DISPOSAL INTO THE ANDERSON RANCH UNIT NO 16 LOCATED IN UNIT T, SECTION 2, T-16-S R-32-E LEA COUNTY NEW MEXICO AND HEREBY WAIVES NOTICE OF HEARING ON THAT APPLICATION. IT IS OUR UNDERSTANDING THAT INJECTION WILL BE INTO THE LOWER WOLFCAMP FORMATION=

NEIL S WHITMORE DISTRICT SUPERINTENDENT PAN AMERICAN PETROLEUM CORP LUBBOCK TEXAS==

CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

WESTERN UNION

TELEGRAM

W. P. MARSHALL, PRESIDENT

(05) 01 (4-60)

SYMBOLS

DL=Day Letter

NL=Night Letter

LT=International Letter Telegram

The filing time shown in the date line on domestic telegrams is LOCAL TIME at point of origin. Time of receipt is LOCAL TIME at point of destination

LA066 SSM 170

1964 JUN 19 AM 11 15

L HBA042 PD 3 EXTRA=HOBBS NMEX 19 1104A MST=

A L PORTER JR=

NEW MEXICO OIL CONSERVATION COMM BOX 2088

YU 22641 SANTA FE NMEX=

SOCONY MOBIL OIL CO INC AS AN OPERATOR IN THE ANDERSON RANCH FIELD WAIVE NOTICE AND HEARING ON THE APPLICATION OF CONTINENTAL OIL CO FOR THE DISPOSAL OF SALT WATER BY THE ANDERSON RANCH UNIT #16 UNIT T SECTION 2 T-16-S R-32-E LEA COUNTY INTO THE WOLFCAMP FORMATION=

L E ROBINSON JR ACTING PRODUCING SUPT MOBIL OIL CO=

=# 16 T 2 T-16-S R-32-E =

SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

WESTERN UNION TELEGRAM

W. P. MARSHALL, PRESIDENT

SYMBOLS

DL=Day Letter

NL=Night Letter

LT=International
Letter Telegram

1201 (30)

The filing time shown in the date line on domestic telegrams is LOCAL TIME at point of origin. Time of receipt is LOCAL TIME at point of destination

LA 169 S SD447

1964 JUN 29 PM 7 14

L HBA070 NL PD 7 EXTRA=HOBBS NMEX 18=

NEW MEXICO OIL CONSERVATION COMMISSION=

ATTN A L PORTER JR SANTA FE NMEX=

AS LEASEE FROM STATE OF NEW MEXICO OF SURFACE RIGHTS
UNDER SECTION 2 TOWNSHIP 16 SOUTH RANGE 32 EAST LEA
COUNTY NEW MEXICO I HEREBY WAIVE NOTICE AND HEARING
ON CONTINENTAL OIL CO APPLICATION TO INJECT SALT WATER
INTO LOWER WOLFCAMP FORMATION IN ANDERSON RANCH UNIT
WELL #16=

W A ANDERSON 701 WEST AVE LA LOVINGTON NEW MEXICO=

=2 16 32 #16 701

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

WESTERN UNION

TELEGRAM

W. P. MARSHALL, PRESIDENT

The filing time shown in the date line on domestic telegrams is LOCAL TIME at point of origin. Time of receipt is LOCAL TIME.

LA 149 DB353

D MDA 171 LONG PD=MIDLAND TEX 18 514P CST=

NEW MEXICO OIL CONSERVATION COMMISSION, ATTN A L PORTER JR=

SANTA FE NMEX=

SINCLAIR OIL AND GAS COMPANY HAS NO OBJECTION TO
CONTINENTALS APPLICATION TO DISPOSE OF SALT WATER BY
INJECTION INTO THE WOLFCAMP FORMATION IN THEIR ANDERSON
RANCH UNIT WELL #16 LOCATED IN UNIT T SECTION 2-16S-32E=

R F SAWYER DIVISION PRODUCTION SUPT=

PM 4 31

SYMBOLS	
DL=Day Letter	
NL=Night Letter	
PT=International Letter Telegram	

1964 JUN 18 18:50 PM

(21)

MAIN OFFICE OCC.

1964 JUN 19 8:48

CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

WESTERN UNION

TELEGRAM

W. P. MARSHALL, PRESIDENT

1201 (4-60)

SYMBOLS

DL=Day Letter

NL=Night Letter

LT=International Letter Telegram

The filing time shown in the date line on domestic telegrams is LOCAL TIME at point of origin. Time of receipt is LOCAL TIME at point of destination

LA 148 SSM372

(03) 0001

L ARA024 PD 2 EXTRA= ARTESIA NMEX 18 401P MST= 1964 JUN 18 PM 4 26
NEW MEXICO OIL CONSERVATION COMMISSION=
PO BOX 288 SANTA FE NMEX=

INTERNATIONAL OIL AND GAS CORP HEREBY WAIVES NOTICE
AND HEARING TO THE APPLICATION OF CONTINENTAL OIL CO
TO INJECT WATER INTO ITS ANDERSON RANCH UNIT NO 16
WELL ANDERSON RANCH PULL LEE COUNTY NEW MEXICO
INTERNATIONAL OIL AND GAS CORP= 8 14 51 1964 JUN 18
R J DAVENPORT DISTRICT SUPERINTENDENT 550 35M 10 MAIN

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

WESTERN UNION

TELEGRAM

W. P. MARSHALL, PRESIDENT

SYMBOLS

DL=Day Letter

NL=Night Letter

LT=International Letter Telegram

1201 (4-60)

MAIN OFFICE 18 PM 11:13

The filing time shown in the date line on domestic telegrams is LOCAL TIME at point of origin. Time of receipt is LOCAL TIME at point of destination

LA135 SSM335

1964 JUN 18 PM 4:12

L HBA050 PD=HOBBS NMEX 18 310P MST=

A L PORTER, NEW MEXICO OIL CONSERVATION COMM=
SANTA FE NMEX=

GULF OIL CORP WAIVES NOTICE AND HEARING TO CONTINENTAL
OIL'S REQUEST TO CONVERT ANDERSON RANCH UNIT 16
TO WATER INJECTION WELL STOP INTERVALS 9919 FEET TO
10,170 APPROVED WAIVER TO FOLLOW=
C D BORLAND AREA MANAGER=

21641
21644

[Handwritten signature]

=16 9919 10,170=

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE
This is a fast message unless its deferred character is indicated by the proper symbol.

The filing time shown in the date line on domestic telegrams is LOCAL TIME at point of origin. Time of reception is shown in the date line on international telegrams.

W. F. MARSHALL, PRESIDENT

WESTERN UNION

TELEGRAM

1201 (4-80)

SYMBOLS	
DL=Day Letter	
NL=Night Letter	
LT=International Lettergram	

LA137 SSG195

L HBA051 PD=HOBBS NMEX 18 319P MST= 1964 JUN 18 PM 4:12

NEW MEXICO OIL CONSERVATION COMMISSION=

PO BOX 2088 SANTA FE NMEX=

GENTLEMEN:

THE UNDERSIGNED OFFSET OPERATOR HAS BEEN FURNISHED A COPY OF THE APPLICATION OF CONTINENTAL OIL COMPANY FOR PERMISSION TO INJECT SALT WATER INTO THE LOWER WOLFCAMP FORMATION BETWEEN THE DEPTHS OF 9919 FEET TO APPROXIMATELY 10170 FEET IN ITS ANDERSON RANCH UNIT WELL NO. 16, LOCATED IN UNIT T, SECTION 2, TOWNSHIP 16 SOUTH, RANGE 32 EAST, LEA COUNTY, NEW MEXICO. YOU

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

ARE HEREBY NOTIFIED THAT THE UNDERSIGNED WAIVES NOTICE AND HEARING TO THE APPLICATION DESCRIBED ABOVE=

SUNRAY DX OIL CO C T MCCLANAHAN=



MAIN OFFICE OCC

STATE OF NEW MEXICO JUN 22 AM 7:48

STATE ENGINEER OFFICE
SANTA FE

S. E. REYNOLDS
STATE ENGINEER

June 19, 1964

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

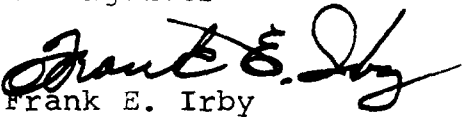
Mr. A. L. Porter, Jr.
Secretary-Director
Oil Conservation Commission
Santa Fe, New Mexico

Dear Mr. Porter:

Reference is made to the application of Continental Oil Company dated June 17, 1964 which seeks authority to dispose of salt water into the Anderson Ranch Unit Well No. 16 which is located in Unit I, Section 2, Township 16 South, Range 32 East. This office offers no objection to the granting of the application provided injection is through tubing under a packer set at 9910 feet below land surface and further provided that the unlined tubing shall be replaced by plastic lined tubing within 30 days.

Yours truly,

S. E. Reynolds
State Engineer

By: 
Frank E. Irby
Chief
Water Rights Div.

FEI/ma
cc-Continental Oil Co.