

JOEL M. CARSON

LAW OFFICES  
**A. J. LOSEE**  
CARPER BUILDING - P. O. DRAWER 239  
ARTESIA, NEW MEXICO 88210

AREA CODE 505  
746-3508

12 October 1970

*SA*

*10-14-70*

Mr. A. L. Porter, Jr.  
Secretary-Director  
New Mexico Oil Conservation Commission  
P. O. Box 2008  
Santa Fe, New Mexico

Dear Mr. Porter:

Enclosed herewith, you will please find triplicate copies of Application of David C. Collier for a waterflood project, East Turkey Track Pool, Eddy County, New Mexico.

I understand that this matter has been set for hearing before an examiner on October 28, 1970.

Very truly yours,

*A. J. Losee*  
A. J. Losee

AJL:jw  
Enclosures

cc: Mr. David C. Collier w/enclosure

*10-14-70*

70 OCT 13 AM 8 06

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF :  
DAVID C. COLLIER FOR A WATERFLOOD : No. 4452  
PROJECT, EAST TURKEY TRACK POOL, :  
EDDY COUNTY, NEW MEXICO. :

APPLICATION

COMES DAVID C. COLLIER, by his attorney, A. J. Losee,  
and states:

1. Applicant is designated as Operator of the Queen  
formation, comprising a portion of the East Turkey Track Pool  
underlying the following lands in Eddy County, New Mexico,  
which comprise the project area covered by this application,  
to-wit:

Township 19 South, Range 29 East, N.M.P.M.

Section 1: SE/4 SW/4, S/2 SE/4, NE/4 SE/4  
Section 12: NE/4, E/2 NW/4, NW/4 NW/4

Township 19 South, Range 30 East, N.M.P.M.

Section 6: SW/4  
Section 7: NW/4

containing 760 acres, more or less.

2. There is attached hereto and by reference made  
a part hereof, a plat showing the location of the proposed  
injection wells and the location of all other wells and lessees  
adjoining the proposed project area.

3. Applicant proposes to inject water into the  
Queen formation through four injection wells in Eddy County,  
New Mexico, and described as follows:

Township 19 South, Range 29 East, N.M.P.M.

Well No. 1 - Unit O - Section 1  
Well No. 4 - Unit I - Section 1  
Well No. 2-S - Unit A - Section 12

Township 19 South, Range 30 East, N.M.P.M.

Well No. 1 - Unit M - Section 6

4. That all of the wells in the project area are in an advanced state of depletion and should be classified as "stripper" wells.

5. There is attached hereto and by reference made a part hereof, a diagrammatic sketch of a typical completed injection well.

6. There is attached hereto and by reference made a part hereof, a typical well log of a proposed injection well in the project area.

7. Injection of water obtained from shallow ground water is proposed to be made at the rate of approximately 200 barrels per day per injection well at a pressure of approximately 1,000 pounds.

8. Applicant proposes to conduct this waterflood project under the allowable provisions of Rule 701 of the Commission.

9. The proposed waterflood project will prevent waste in that it will result in the recovery of oil that would not otherwise be recovered in the project area.

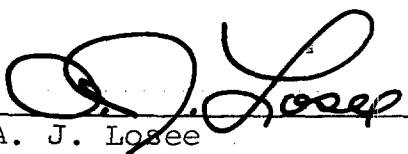
WHEREFORE, applicant prays:

A. That this matter be set for hearing before an examiner duly appointed by the Commission, and that due public notice be given as required by law.

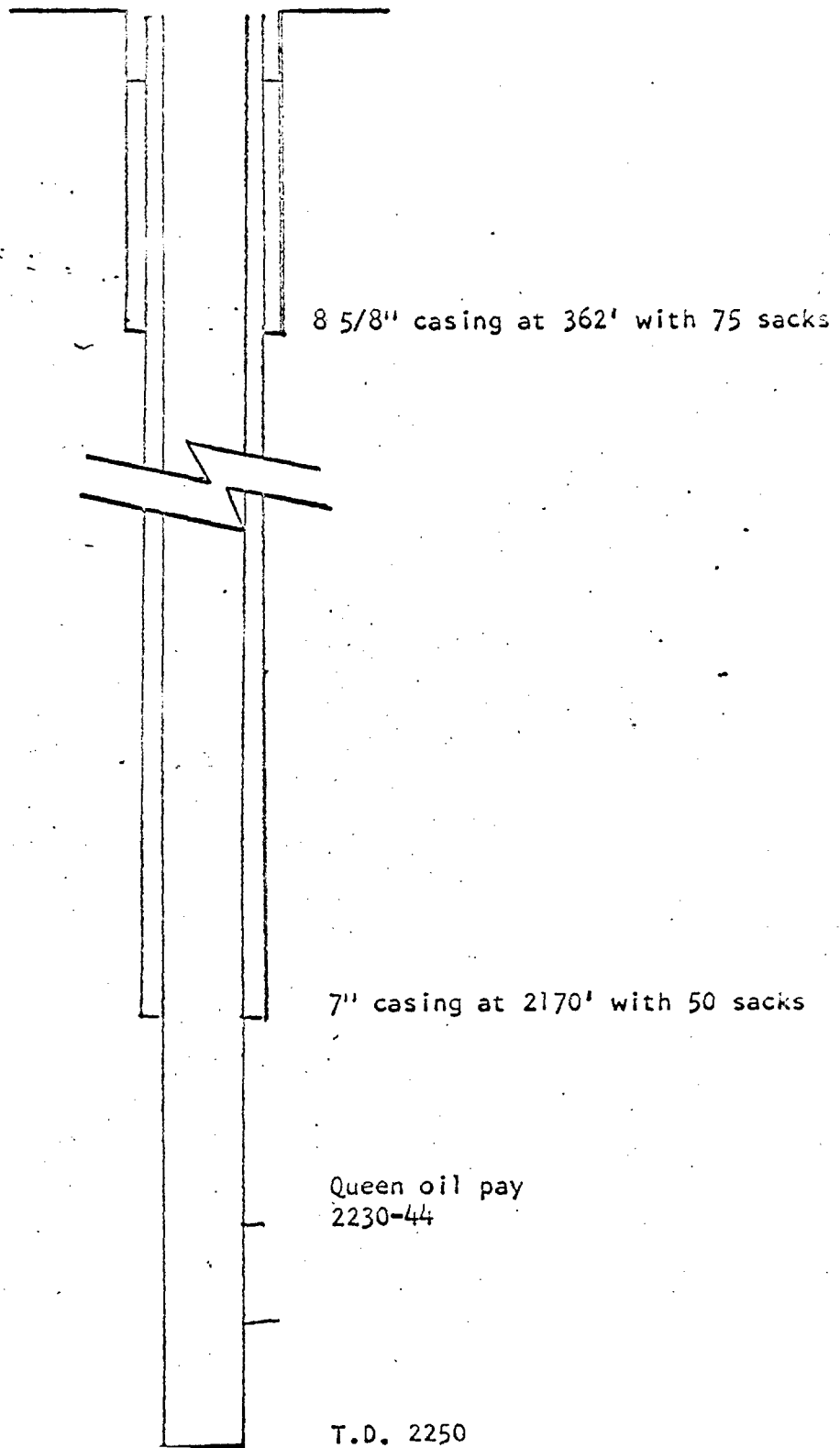
B. That an order be entered authorizing the institution of the aforesaid waterflood project in the East Turkey Track Oil Pool, and for such other relief as may be just in the premises.

DATED this October 8<sup>th</sup>, 1970.

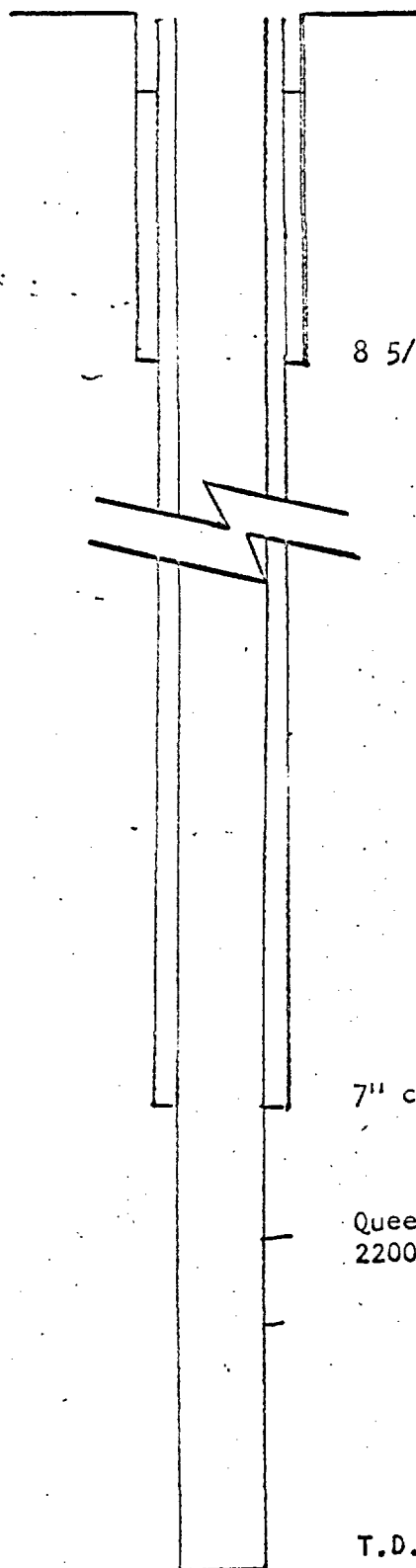
DAVID C. COLLIER

By:   
A. J. Losee  
Attorney at Law  
P. O. Drawer 239  
Artesia, New Mexico 88210

David C. Collier  
Koehane Federal No. 1  
330 FSL & 330 FWL  
Sec. 6-T19S-R30E



David C. Collier  
State "S" No. 2  
330 FNL & 330 FEL  
Sec. 12-T19S-R29E



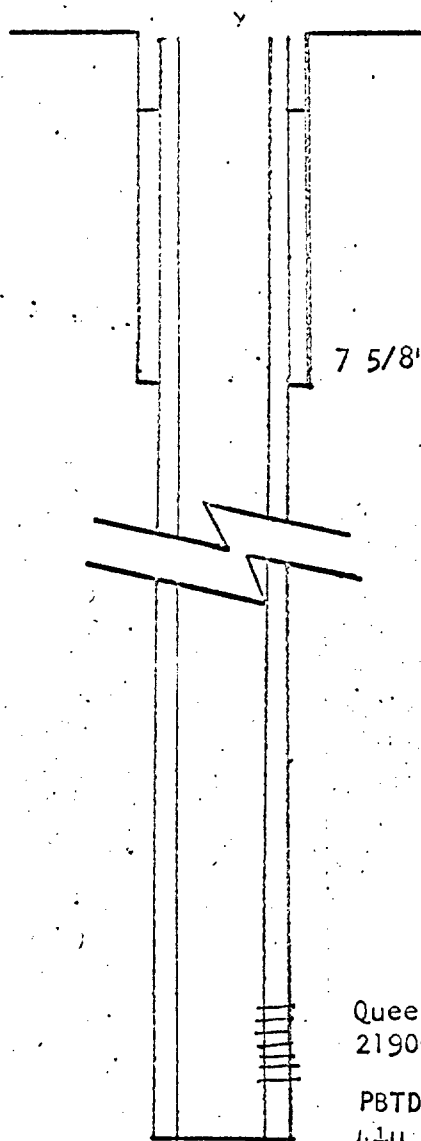
8 5/8" casing at 345' with 50 sacks

7" casing at 2182' with 50 sacks

Queen oil pay  
2200-2222

T.D. 2443

David C. Collier  
Leonard State No. 1  
330 FSL. & 1650 FEL  
Sec. 1-T19S-R29E

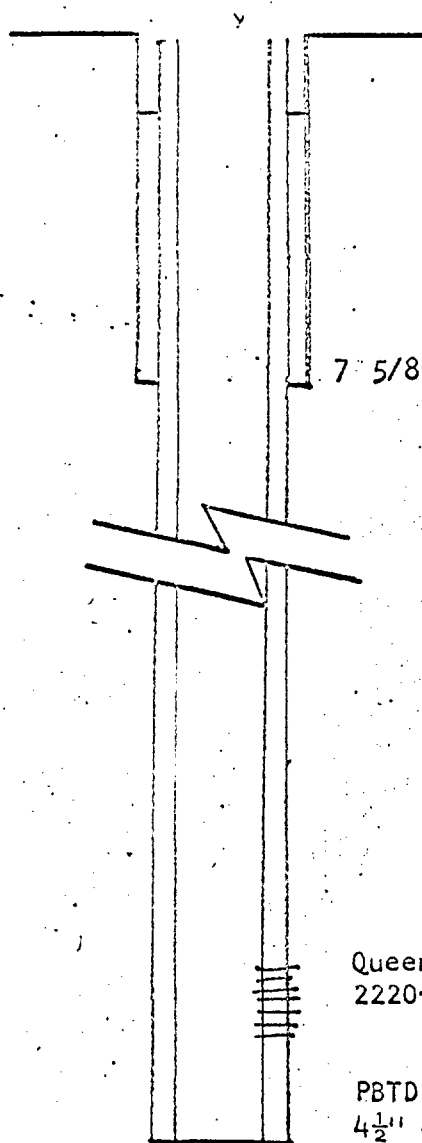


7 5/8" casing at 360' with 50 sacks

Queen Perforations  
2190-2220

PBTD. 2245'  
4 1/2" casing at 2250'  
T.D. 2263'

David C. Collier  
Leonard State No. 4  
1650 FSL & 330 FEL  
Sec. 1-T19S-R29E



7 5/8" casing at 363' with 150 sacks

Queen Perforations  
2220-52

PBD. 2242  
4 1/2" casing at 2447 with 100 sacks  
T.D. 2447



COMPANY **CHEMICAL ENTERPRISES, INC.**

WELL **LEONARD-STATE # 4**

FIELD **EAST TURKEY TRACK**

COUNTY **SEDY** STATE **NEW MEXICO**

Location **1650' FSL 330' FEL** Other Services:

Sec. **1** Twp. **19-S** Rge. **20-E**

Permit Date **7-17-62** Elev. **3407** Elev. K.B. **3418**

Measure from **0** Ft. Above Perm. Datum **0** D.F. **3417**

Measure from **0** G.I. **3417**

Date	7-17-62	7-17-62
Time	8:00	8:00
Drill	100	100
Flow	100	100
Pressure	100	100
Temperature	100	100
Viscosity	100	100
Specific Gravity	100	100
API Gravity	100	100
Water Content	100	100
Shale Content	100	100
Slime Content	100	100
Asphalt Content	100	100
Other	100	100
Remarks	Full	Full
Drill Bit	1-1/2" P.S.	1-1/2" P.S.
Drill String	P.C. Farris	P.C. Farris
Drill Master	Mr. Farris	Mr. Farris

Casing Record	
From	To
0	333
333	2447

Field Note

