

CASE 3121: Application of DR.

SAM G. DUNN for water injection,

Chaves County, New Mexico

CASE No.

3721

Application,

TRANSCRIPTS,

SMALL Exhibits

ETC.

GOVERNOR  
JACK M. CAMPBELL  
CHAIRMAN

State of New Mexico  
**Oil Conservation Commission**



LAND COMMISSIONER  
E. S. JOHNNY WALKER  
MEMBER

P. O. BOX 2088  
SANTA FE

STATE GEOLOGIST  
A. L. PORTER, JR.  
SECRETARY - DIRECTOR

November 24, 1964

Mr. Jason Kellahin  
Kellahin & Fox  
Attorneys at Law  
Post Office Box 1769  
Santa Fe, New Mexico

Re: CASE NO. 3122  
ORDER NO. R-2799-A  
APPLICANT CONTINENTAL OIL CO.

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

*A. L. Porter, Jr.*

A. L. PORTER, JR.  
Secretary-Director

ir/

Carbon copy of order also sent to:

Hobbs OCC       x      

Artesia OCC           

Aztec OCC           

OTHER           Mr. W. D. Girand

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

CASE No. 3122  
Order No. R-2799-A

APPLICATION OF CONTINENTAL OIL  
COMPANY FOR AN UNORTHODOX LOCA-  
TION AND A NON-STANDARD UNIT,  
LEA COUNTY, NEW MEXICO.

NUNC PRO TUNC ORDER

BY THE COMMISSION:

It appearing to the Commission that due to clerical error,  
Order No. R-2799, dated November 10, 1964, does not correctly set  
out the findings of the Commission,

IT IS THEREFORE ORDERED:

(1) That Finding No. (6) in Order No. R-2799, dated Novem-  
ber 10, 1964, is hereby corrected to read as follows:

(6) That Lot 1 can reasonably be presumed to  
contain approximately 13 productive acres and that  
Lot 8 can reasonably be presumed to contain approxi-  
mately 40 productive acres in the Oil Center--  
Blinebry Pool.

(2) That the correction set forth above shall be effective  
nunc pro tunc as of November 10, 1964.

DONE at Santa Fe, New Mexico, on this 24th day of November,  
1964.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*Jack M. Campbell*  
JACK M. CAMPBELL, Chairman

*E. S. Walker*  
E. S. WALKER, Member

*A. L. Porter, Jr.*  
A. L. PORTER, Jr., Member & Secretary

esr/

GOVERNOR  
JACK M. CAMPBELL  
CHAIRMAN

*State of New Mexico*  
**Oil Conservation Commission**



LAND COMMISSIONER  
E. S. JOHNNY WALKER  
MEMBER

P. O. BOX 2088  
SANTA FE

STATE GEOLOGIST  
A. L. PORTER, JR.  
SECRETARY - DIRECTOR

October 23, 1964

Dr. Sam G. Dunn  
1312 Main Street  
Lubbock, Texas

Re: CASE NO. 3121  
ORDER NO. R-2790  
APPLICANT Dr. Sam G. Dunn

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

*A. L. Porter, Jr.*  
A. L. PORTER, Jr.  
Secretary-Director

ir/

Carbon copy of order also sent to:

Hobbs OCC   x  

Artesia OCC   x  

Aztec OCC           

OTHER

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. 3121  
Order No. R-2790

APPLICATION OF DR. SAM G. DUNN  
FOR A WATER INJECTION PROJECT,  
CHAVES COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on October 13, 1964, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 21st day of October, 1964, the Commission, a quorum being present, having considered the record and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

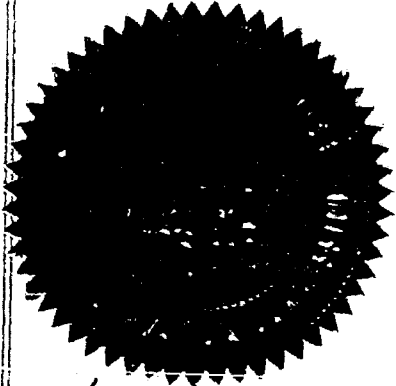
That the applicant's request for dismissal should be granted.

IT IS THEREFORE ORDERED:

That Case No. 3121 is hereby dismissed.

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
*Jack M. Campbell*  
JACK M. CAMPBELL, Chairman

*E. S. Walker*  
E. S. WALKER, Member

*A. L. Porter, Jr.*  
A. L. PORTER, Jr., Member & Secretary

esr/

DOCKET: EXAMINER HEARING - TUESDAY - OCTOBER 13, 1964

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

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The following cases will be heard before Daniel S. Nutter, Examiner,  
or Elvis A. Utz, Alternate Examiner:

CASE 3108: (Continued from the September 30, 1964 examiner hearing)

Application of Monsanto Company for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the dual completion (conventional) of its Dagger Draw Well No. 1, located in Unit O of Section 6, Township 20 South, Range 25 East, Eddy County, New Mexico, to produce gas from the Strawn and Morrow formations through the casing-tubing annulus and through tubing, respectively.

CASE 3115: Application of Monsanto Company for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the dual completion (conventional) of its Lowe-State Well No. 1 located in Unit F of Section 36, Township 21 South, Range 23 East, Eddy County, New Mexico, to produce gas from the Cisco Canyon and Lower Morrow formations through parallel strings of tubing.

CASE 3116: Application of Tex-Star Oil & Gas Corporation for force-pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order force-pooling all mineral interests in the Pearl-Queen Pool underlying the NW/4 NW/4 of Section 24, Township 19 South, Range 35 East, Lea County, New Mexico.

CASE 3117: Application of Tex-Star Oil & Gas Corporation for force-pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order force-pooling all mineral interests in the Basin Dakota Pool underlying the E/2 of Section 26, Township 30 North, Range 14 West, San Juan County, New Mexico.

CASE 3118: Application of Gulf Oil Corporation for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the South Penrose Skelly Unit Area comprising 4,400 acres, more or less, of Federal, State and Fee lands in Township 22 South, Range 37 East, Penrose Skelly Pool, Lea County, New Mexico.

October 13, 1964 Examiner Hearing

CASE 3119: Application of Gulf Oil Corporation for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Penrose Skelly Pool in its South Penrose Skelly Unit Area by the injection of water into the Grayburg formation through six wells in Sections 5 and 6, Township 22 South, Range 37 East, Lea County, New Mexico.

CASE 3120: Application of Dr. Sam G. Dunn for a Review of the Commission's Directive of August 27, 1964, concerning salt water disposal, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks a review of the Commission's Directive of August 27, 1964, prohibiting the disposal of produced salt water in unlined pits after November 1, 1964, in the Linda-San Andres Pool and adjacent areas in Townships 6 and 7 South, Range 26 East, Chaves County, New Mexico. Applicant specifically requests an extension of the November 1st deadline and a determination that salt water disposal in unlined pits in Sections 26, 27, and 34, Township 7 South, Range 26 East, among other areas, does not constitute a hazard to fresh waters and should be excepted from the Commission's directive.

CASE 3121: Application of Dr. Sam G. Dunn for a water injection project, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a water injection project by the injection of water into the San Andres formation through one well located in Section 33, Township 6 South, Range 26 East, Linda-San Andres Pool, and by the injection of water into one well in Section 32 or 33, and one well in Section 27, Township 7 South, Range 26 East, all in Chaves County, New Mexico.

CASE 3122: Application of Continental Oil Company for an unorthodox location and a non-standard unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to complete its Meyer B-4 Well No. 27 at an unorthodox location 5,610 feet from the South line and 660 feet from the East line of Section 4, Township 21 South, Range 36 East, Oil Center Blinebry Pool, Lea County, New Mexico. Said well would be dedicated to a 53-acre non-standard unit comprising that portion of Lots 1 and 8 of said Section 4 which is productive from the Oil Center Blinebry Pool.

CASE 3123: Application of Continental Oil Company for special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of special pool rules including a provision for 80-acre spacing and a gas-oil ratio of 6000 to 1 for the Monument-Tubb Pool in Township 20 South, Range 37 East, Lea County, New Mexico.



October 13, 1964 Examiner Hearing

- CASE 3124: Application of Continental Oil Company to amend Order No. R-2566, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an amendment to Order No. R-2566, which authorized the Continental Baish-Yates Waterflood Project, to also provide authority for the injection into each well of approximately 500 barrels of LPG.
- CASE 3125: Application of Shell Oil Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the dual completion (conventional) of its Antelope Ridge Unit Well No. 4-1 in Unit B of Section 4, Township 24 South, Range 34 East, Lea County, New Mexico, to produce gas from the Antelope Ridge Pennsylvanian and Antelope Ridge Devonian Gas Pools through parallel strings of tubing.
- CASE 3126: Application of Murphy Oil Corporation for a pressure maintenance project, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a pressure maintenance project in the Many Rocks-Gallup Pool by the injection of water into the Gallup formation through five wells in Sections 17, 18 and 20, Township 32 North, Range 17 West, San Juan County, New Mexico. Applicant further seeks the promulgation of special rules for the operation of said project.
- CASE 2654: (Reopened)  
In the matter of Case No. 2654 being reopened pursuant to the provisions of Order No. R-2349, which order established temporary 320-acre gas proration units for the Buffalo Valley-Pennsylvanian Gas Pool, Chaves County, New Mexico, for a period of two years. The Commission will consider indefinite extension of Order No. R-2349 in the absence of evidence to the contrary.
- CASE 3127: Application of Shell Oil Company for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the China Canyon Unit Area comprising 7611 acres, more or less, of Federal, State and Fee lands in Township 23 South, Ranges 23 and 24 East, Eddy County, New Mexico.
- CASE 3128: Application of Shell Oil Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Grama Ridge Unit Area comprising 3052 acres, more or less, of Federal and State lands in Townships 21 and 22 South, Range 34 East, Lea County, New Mexico.

PAGE -4-

October 13, 1964 Examiner Hearing

CASE 3129: Application of Shell Oil Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the West Wilson Deep Unit Area comprising 3360 acres, more or less, of State and Fee lands in Township 21 South, Range 34 East, Lea County, New Mexico.

ir/

OIL CONSERVATION COMMISSION  
P. O. BOX 871  
SANTA FE, NEW MEXICO

*Case 3121*

October 5, 1964

C  
O  
P  
Y

Dr. Sam G. Dunn  
West Texas Clinic  
Lubbock, Texas

DOCKET MAILED

Date 10-1-64

Dear Dr. Dunn:

We are in receipt of the plat, logs, core analysis, and schematic diagram for your proposed injection wells which will come on for hearing on October 13, 1964.

These data are adequate for our files pending the hearing.

We are enclosing an envelope addressed to Pan American Petroleum Corporation which was probably inadvertently enclosed with the material which you sent us.

Very truly yours,

DANIEL S. NUTTER  
Chief Engineer

DSN/ir

Enclosure

FROM THE SURGICAL SECTION  
OF  
SAM G. DUNN, M.D., F.A.C.S.  
WEST TEXAS CLINIC  
LUBBOCK, TEXAS  
October 2, 1964

MAIN OFFICE  
PH 1  
Oct 5 1964

*Page 3121*

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

Re: Hearing-October 13, 1964

Dear Mr. Porter:

I am enclosing and sending under separate cover as well, all of the data that you requested for the above Hearing as set out in Rule 701, Sections A & B. The map we are sending under separate cover, we are also including Requirement No. 3 under Section B of Rule 701 in the map case. We will be on hand Tuesday morning October 13th. Will you please send me confirmation of receipt of the above data as required by your Rules and Regulations.

You will note that I am enclosing also a core analysis on a well that is temporarily abandoned by Dr. Charles Lee which is located in the NW/4 of Section 33, Township 7 South, Range 26 East. I made a deal over the telephone with Dr. Lee to use this possibly as an injection well if required, to take care of the salt water discharge on the wells in the south end as it would be too far to pipe them up to the Beadle No. 2 and the Osage No. 1 that we are asking for injection privileges. Dr. Lee is sending the pertinent data relative to size of hole, size of casing as well as perforations and cementing information. I will have this on hand at the Hearing. I have notified Pan American, Shell and Sun of the Hearing as well as the other independent operators in the field. If there is anything else that I have neglected to do will you please call me collect at P05-8473, Area Code 806.

Sincerely,

*[Signature]*  
Sam G. Dunn, M.D.

SGD/jf  
encl.

Gladstone 4-8059

MAIN OFFICE

PHILADELPHIA  
OCT 5 1964

Charles A. Lee  
CONSULTING GEOLOGIST  
Pacific Palisades, California

837 Alma Real Drive

October 1, 1964

Dr. Sam G. Dunn, M. D.  
1312 Main Street  
Lubbock, Texas

Dear Dr. Dunn:

Dale -Federal lease  
Re: Section 33, T.7S., R.26E.

This to confirm our telephone conversation of last evening, regarding the use of my Number Two Well of the Dale-Federal lease as an injection well and simultaneously as a water disposal well for the formation water pumped with the oil in the surrounding State and Federal oil leases.

This letter is to certify that I am in agreement with the plan, and that at the forth coming meeting to be held about October 12, 1964, that you are to represent me.

The total depth of this well is 1197 feet, is cased through and cemented with 175 sacks of cement to circulate.

The diameter is 4 1/2 inches, and is perforated in 4 zones with 4 shots per foot. The zones of perforation are from 1150 to 1195 feet.

I trust that this is sufficient information for you to present to the coming meeting.

With kindest personal regards,

Very truly yours,

*Charles A. Lee*  
Charles A. Lee

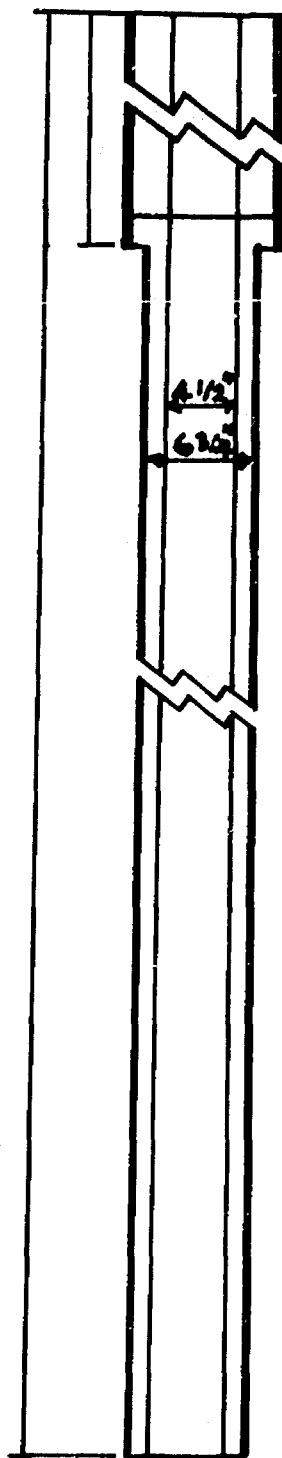
Dear Mr. Porter:

The above came after I had already mailed the data on the wells that I propose to use for injection. I believe that the above information, coupled with the Core analysis that I sent with my information should suffice to meet the requirements. I trust that we will be allowed to present this along with the other wells and thus eliminate the need for another hearing.

Thanks  
*Porter*

M. G. PETERS  
DALE-FEDERAL NO. 2 WELL

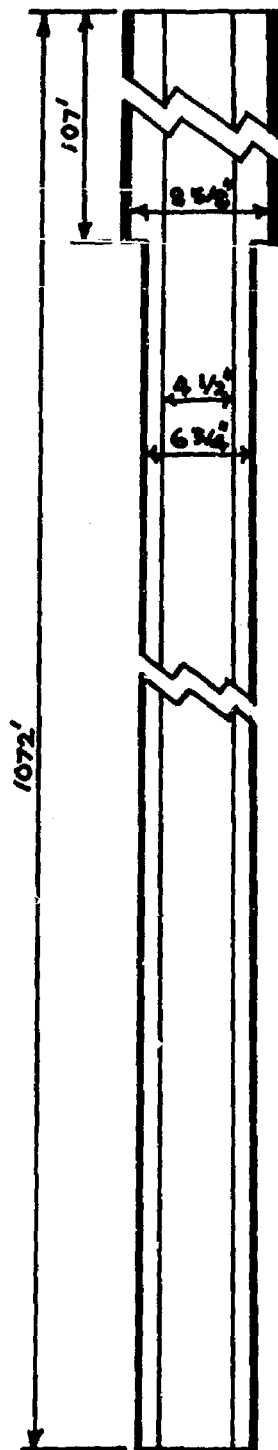
F - 33-7-26



Salt water from existing wells  
(Closed System) is to be injected  
at the rate of 100 to 150 Bbl/day  
into the San Andres formation  
through perforations at the depths  
of:

DR. SAM G. DUNN  
BEADLE NO. 2 WELL

M 4 7 26



Surface pipe cemented  
w/50 Sax of regular  
cement w/2% c.c.

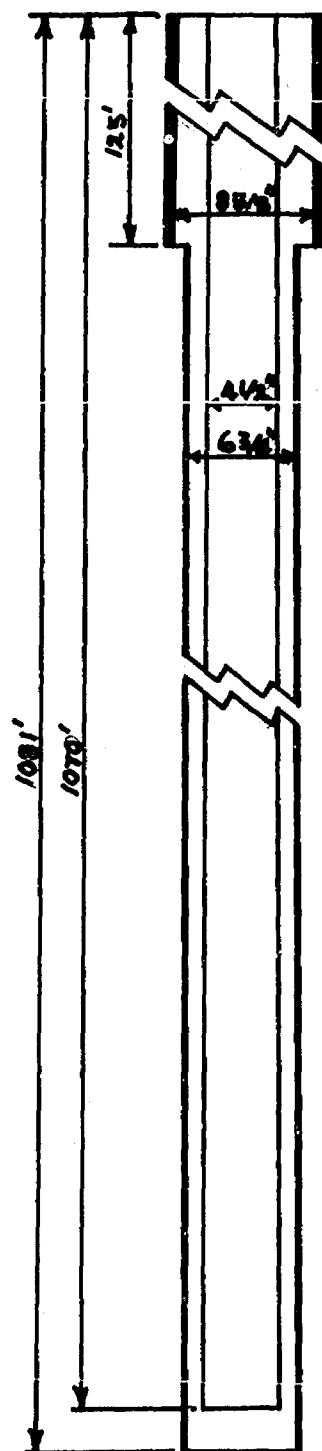
Salt water from existing wells  
(Closed System) is to be injected  
at the rate of 100 to 150 Bbl/day  
into the San Andres formation  
through perforations at the follow-  
ing depths:

1017' to 1027'  
1028' to 1035'  
1041' to 1043'  
1045' to 1053'

4-1/2" casing cemented  
w/50 Sax of 50-50 pos  
mix w/2% jel.

DR. SAM G. DUNN  
OSAGE NO. 1 WELL

8-30-6-76



Surface pipe cemented  
w/50 sax of regular  
cement w/2% c.c.

Salt water from existing wells  
(Closed System) is to be injected  
at the rate of 100 to 150 Bbl/day  
into the San Andres formation  
through perforations at the depths  
of: 1016' to 1032'

4-1/2" casing cemented  
w/50 sax of 50-50 pos  
mix w/2% jel.



DRAFT

JMD/esr

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. 3121

Order No. R- 2790

APPLICATION OF DR. SAM G. DUNN  
FOR A WATER INJECTION PROJECT,  
CHAVES COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on  
October 13, 1964, at Santa Fe, New Mexico, before Examiner  
Daniel S. Nutter.

NOW, on this \_\_\_\_\_ day of October, 1964, 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. 3121 is hereby dismissed.

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

dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

1120 SIMAS BLDG. • P. O. BOX 1092 • PHONE 243-6491 • ALBUQUERQUE, NEW MEXICO

BEFORE THE  
NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
October 13, 1964

EXAMINER      HEARING

IN THE MATTER OF: Application of Dr. Sam G. Dunn for a water injection project, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a water injection project by the injection of water into the San Andres formation through one well located in Section 33, Township 6 South, Range 26 East, Linda-San Andres Pool, and by the injection of water into one well in Section 32 or 33, and one well in Section 27, Township 7 South, Range 26 East, all in Chaves County, New Mexico.

Case No. 3121

BEFORE: DANIEL S. NUTTER, EXAMINER.

TRANSCRIPT OF HEARING

MR. NUTTER: We'll take next Case 3121.

MR. DURRETT: Application of Dr. Sam G. Dunn for a water injection project, Chaves County, New Mexico.

DR. DUNN: You have all my data in your office on that. The wells, the diagrams and everything. Do you have them here with you?

MR. NUTTER: Yes, sir.

DR. DUNN: If I may proceed, I'll need that map.

MR. PORTER: Dr. Dunn, it was my understanding that you wanted to dismiss this case and take it up later.

DR. DUNN: That's what I wanted to do.

MR. PORTER: We just called it for the record.

DR. DUNN: Mr. Nutter, I would like to dismiss this case.

MR. NUTTER: In other words, you are seeking to dismiss Case 3121, which is your application for a water injection project in the San Andres formation?

DR. DUNN: Yes, and may I ask that the State Office keep all my data on file for future reference if and when I do plan my injection?

MR. NUTTER: Yes. Case 3121 will be dismissed. Actually, if you would like we can return these cores and things to you at this time. You can file them later when you file the application.

dearnley-meier reporting services, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

1120 SIMAS BLDG. • P. O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO

STATE OF NEW MEXICO )  
COUNTY OF BERNALILLO ) ss

I, ADA DEARNLEY, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me; and that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

Witness my Hand and Seal this 18th day of October, 1964.

*Ada Dearnley*  
NOTARY PUBLIC

My Commission Expires:  
June 19, 1967.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 3121 heard by me on Oct 13, 1964.

*[Signature]* Examiner  
New Mexico Oil Conservation Commission