

CASE 1908: Application of VAL REESE
for an OIL-GAS DUAL OF ITS SPERLING
WELL NO. 1-30, Rio Arriba County, NM.

Case No.

1908

Application, Transcript,
Small Exhibits, Etc.

APPLICATION FOR DUAL COMPLETION

Case 1908

| | | | |
|--|------------------|-----------------------------|---------------------------------|
| Field Name Escrito-Gallup Dakota-Wildcat | | County Rio Arriba | Date January 22, 1960 |
| Operator Val R. Reese & Assoc., Inc. | | Lease Sperling | Well No. 1-30 |
| Location of Well I | Unit I | Section 30 | Township 24N |
| | | Range 6W | |

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO X

2. If answer is yes, identify one such instance: Order No. _____ ; Operator, Lease, and Well No.:

| 3. The following facts are submitted: | Upper Zone | Lower Zone |
|--|------------------|------------------|
| a. Name of reservoir | Gallup | Dakota |
| b. Top and Bottom of Pay Section (Perforations) | 5280-5480 | 6402-6454 |
| c. Type of production (Oil or Gas) | Oil | Gas |
| d. Method of Production (Flowing or Artificial Lift) | Flowing | Flowing |

4. The following are attached. (Please mark YES or NO)

Yes a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.

Yes b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.

No c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application. *

No d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Skelly Oil Company, P. O. Box 426, Farmington, New Mexico

National Cooperative Refinery Assn., 612 Patterson Bldg., Denver, Colorado

Standard Oil Company of Texas, P. O. Box 1581, Farmington, New Mexico

Meyer M. Donosky, 504 Texas National Bank Bldg., Dallas, Texas

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO ____ . If answer is yes, give date of such notification **January 22, 1960**

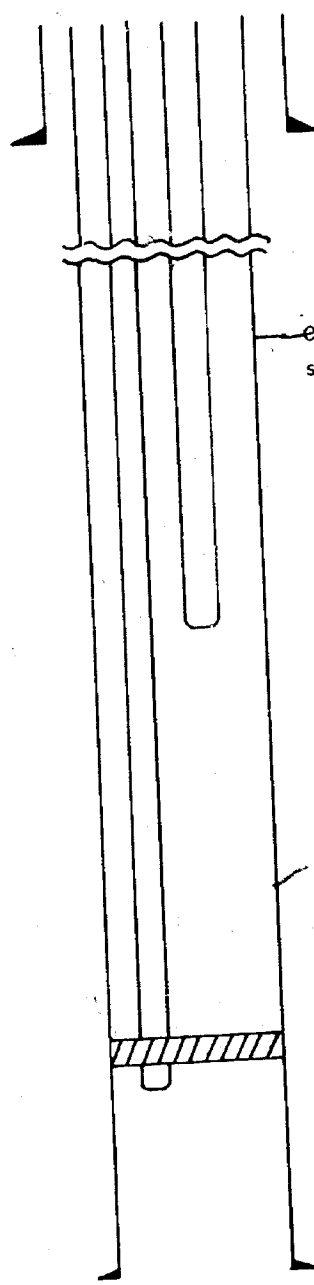
CERTIFICATE: I, the undersigned, state that I am the Representative of the Val R. Reese & Assoc., Inc. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Submitted 2-15-60

Jan L. Jacob
Signature

* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard proration unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.



10 3/4" O.D. 32.75 # H-40 Csg.
set at 230' RKB cemented
w/210 sx. to surface

M.V. & P.C.

Cement top from temperature
survey 4770'

TOP OF GALLUP 5277'
BASE OF GALLUP 5480'

Perforations:

4 per foot 5448'-5480'
2 per foot 5344'-5352'
2 per foot 5280'-5316'

2 3/8" O.D. E.U.E. tubing set
at 5412

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 3
DATE 1908

Baker Model "D" Production Packer
at 6370'

TOP OF DAKOTA 6282'

Perforations:

4 per foot 6430'-6454'
4 per foot 6402'-6408'

2" O.D. E.U.E. tubing set
at 6407'

P.B.T.D. 6493' Larkin Filtrite
Float Collar

7" O.D. 26 # and 23 # J-55
Csg. set at 6524' cemented
w/300 sx. T.D. 6524'

DIAGRAMATIC SKETCH OF DUAL GAS-OIL
COMPLETION FOR WELL # 1-30

*Docket No. 6-60
Case No. 1908
Reese Exhibit # 3*

VAL R. REESE AND ASSOCIATES INC.
LOBBY OF SIMMS BLDG.
ALBUQUERQUE, NEW MEXICO

APPLICATION FOR DUAL GAS-OIL COMPLETION
OF WELL # 1-30 IN GALLUP AND DAKOTA
FORMATIONS

RIO ARriba COUNTY
NEW MEXICO

Drawn: W.H. McGahey
Approved: J. Jacobs

Scale: 400' = 1"
Date: 12-31-59

R 7 W

R 6 W

| | | | |
|------------------------------|--------------------------------|------------------------------|--------------------------|
| Salazar & Std. of Tex. | Killarney | 1-19 REESE LYBROOK | Superior |
| 24 | Reese & Std. of Tex. | 19 | 20 |
| 1-24 KILLARNEY BROWN | | | |
| Reese & Standard of Texas | Donosky & Standard of Texas | 30 | Skelly |
| 25 | | 1-30 REESE PERLING | 29 |
| P. W. Warner | H. R. Shaffer | Reese & Standard of Texas | Nat. Coop. & Ref. Assoc. |
| | C. B. Gonzales | 31 | 32 |
| Grace Hoxey | | | |
| 36 | | | |
| Tennessee Gas Trans. | | | |

T
24
N

LOCATION AND OWNERSHIP PLAT FOR
WELL 1-30 IN SECTION 30 OF
T 24 N AND R 6 W

Docket No. 6-60
Case No. 1908
Reese Exhibit No. 2

BEFORE EXAMINER LITZ
U.S. CONSERVATION COMMISSION
EXHIBIT NO. 1
FILE NO. 1908

VAL R. REESE AND ASSOCIATES INC.
LOBBY OF SIMMS BLDG.
ALBUQUERQUE, NEW MEXICO

APPLICATION FOR DUAL GAS-OIL COMPLETION
OF WELL # 1-30 IN GALLUP AND DAKOTA
FORMATIONS

RIO ARriba COUNTY
NEW MEXICO

Drawn: W. H. McGahey
Approved: J. Jacobs

Scale: 1" = 3000'
Date:

R 7 W

R 6 W

| | | | |
|------------------------------|--------------------------------|------------------------------|----------------------------|
| Salazar & Std. of Tex. | Killarney | 1-19 REESE LYBROOK | Superior |
| 24 | Reese & Std. of Tex. | 19 | 20 |
| 1-24 KILLARNEY BROWN | | | |
| Reese & Standard of Texas | Donosky & Standard of Texas | 30 | Skelly |
| 25 | | 1-30 REESE SPERLING | 29 |
| P. W. Warner | H. R. Shaffer | Reese & Standard of Texas | Nat'l. Coop. & Ref. Assoc. |
| | C. B. Gonzales | | |
| Grace Hoxey | | | |
| 36 | | 31 | 32 |
| Tennessee Gas Trans. | | | |

T
24
N

LOCATION AND OWNERSHIP PLAT FOR
WELL 1-30 IN SECTION 30 OF
T 24 N AND R 6 W

Docket No. 1-30
Case No. 1708
Reese Exhibit No. 1

VAL R REESE AND ASSOCIATES INC.
LOBBY OF SIMMS BLDG.
ALBUQUERQUE, NEW MEXICO

APPLICATION FOR DUAL GAS-OIL COMPLETION
OF WELL # 1-30 IN GALLUP AND DAKOTA
FORMATIONS

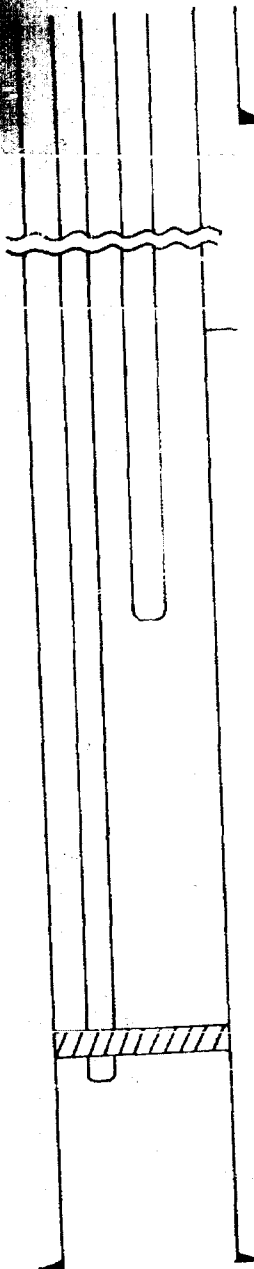
RIO ARriba COUNTY
NEW MEXICO

DRAWN BY M. MCCANAY
Approved: J. Jacobs

Scale: 1" = 3000'
Date:

7" O.D. 26# and 23# J-55
Csg. set at 6524' cemented
w/ 300 sx. T.D. 6524'

Docket No 6-60
Case No. 1908
Reese Exhibit No. 3



10 3/4" O.D. 32.75 lb M-40 Csg.
set at 230' RKB cemented
w/ 210 sx to surface

Cement top from temperature
survey 4770'

2 3/8" O.D. E.U.E. tubing set
at 5412'

Baker Model "D" Production Packer
at 6370'

2 " O.D. E.U.E. tubing set
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P.B.T.D. 6493' Lorkin Filtrite
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TOP OF GALLUP 5277'
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Perforations:

4 per foot 5448'-5480'

2 per foot 5344'-5352'

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TOP OF DAKOTA 6282'

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4 per foot 6430'-6454'

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DIAGRAMATIC SKETCH OF DUAL GAS-OIL
COMPLETION FOR WELL # 1-30

VAL R. REESE AND ASSOCIATES INC.
LOBBY OF SIMMS BLDG.
ALBUQUERQUE, NEW MEXICO

APPLICATION FOR DUAL GAS-OIL COMPLETION
OF WELL # 1-30 IN GALLUP AND DAKOTA
FORMATIONS

RIO ARriba COUNTY
NEW MEXICO

Drawn: W.H. McGaney
Approved: J. Jacobs

Scale: 400'=1"
Date: 12-31-59

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date 2-29-60

CASE 1908

Hearing Date 2-25-60

My recommendations for an order in the above numbered cases are as follows:

1. ~~Approve~~ Reese & Assoc. Inc. Escrito-Gallup oil - Undesignated Dakota Gas. Drilling 2 strings of 2 $\frac{3}{8}$ LVE for their spacing # 1-30 - 1850/S, 780/E, 30-24N-6W.
2. Baker Model "D" packer at 6370 ft.,
3. Packer tests on completion and on anniversary date of Gallup Escrito-Gallup oil Pool.
4. Usual ~~order~~ Dual order otherwise.

Ernest W.

Staff Member

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

March 3, 1960

Mr. Burns Errebo
P. O. Box 466
Simms Building
Albuquerque, New Mexico

Dear Mr. Errebo:

On behalf of your clients, Socony Mobil Oil Company and Val R. Reese & Associates, we enclose two copies of Order R-1616 in Case 1890 and Order R-1618 in Case 1908 issued by the Oil Conservation Commission this date.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ir/

Enclosures: (4)

CC: *Hobbs*
Porter

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P
Y

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. 1908
Order No. R-1618

APPLICATION OF VAL R. REESE &
ASSOCIATES, INC. FOR AN OIL-
GAS DUAL COMPLETION IN AN
UNDESIGNATED GALLUP POOL AND AN
UNDESIGNATED DAKOTA POOL IN
RIO ARriba COUNTY, NEW MEXICO

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on February 25, 1960, at Santa Fe, New Mexico, before Elvis A. Utz, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 3rd day of March, 1960, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant is the owner and operator of the Sperling Well No. 1-30, located in the NE/4 SE/4 of Section 30, Township 24 North, Range 6 West, NMPN, Rio Arriba County, New Mexico.
- (3) That the applicant proposes to dually complete the above-described Sperling Well No. 1-30 in such a manner as to permit the production of oil from an undesignated Gallup pool and the production of gas from an undesignated Dakota pool through parallel strings of 2-3/8 inch OD tubing.
- (4) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.
- (5) That approval of the subject application will neither cause waste nor impair correlative rights.

-2-
Case No. 1908
Order No. R-1618

IT IS THEREFORE ORDERED:

That the applicant, Val R. Reese & Associates, Inc., be and the same is hereby authorized to dually complete its Sperling Well No. 1-30, located in the NE/4 SE/4 of Section 30, Township 24 North, Range 6 West, NMMH, Rio Arriba County, New Mexico, in such a manner as to permit the production of oil from an undesignated Gallup pool and the production of gas from an undesignated Dakota pool through parallel strings of 2-3/8 inch OD tubing.

PROVIDED HOWEVER, That applicant shall complete, operate, and produce said well in accordance with the provisions of Section V, Rule 112-A.

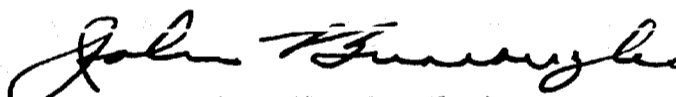
PROVIDED FURTHER, That applicant shall take packer-leakage tests upon completion and annually thereafter during the Annual Deliverability Test Period for the Dakota Producing Interval.

IT IS FURTHER ORDERED:


That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order, after proper notice and hearing the Commission may terminate the authority hereby granted and require applicant or its successors and assigns to limit its activities to regular single-zone production in the interests of conservation.

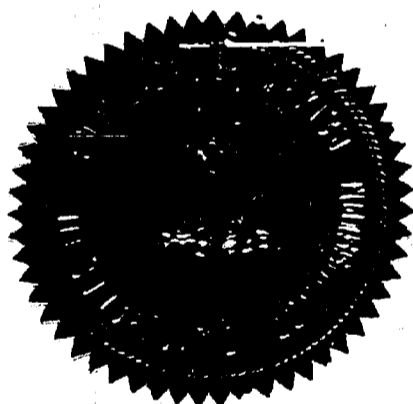
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


JOHN FURROUGHS, Chairman


MURRAY E. MORGAN, Member


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



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BEFORE THE
OIL CONSERVATION COMMISSION
FEBRUARY 25, 1960
SANTA FE, NEW MEXICO

IN THE MATTER OF
:

CASE 1908: Application of Val R. Reese & Associates, Inc. :
for an oil-gas dual completion. Applicant, in :
the above-styled cause, seeks an order author- :
izing the dual completion of its Sperling Well :
No. 1-30, located in Unit I, Section 30, Town- :
ship 24 North, Range 6 West, Rio Arriba County, :
New Mexico, in such a manner as to permit the :
production of oil from the Gallup formation :
adjacent to the Escrito-Gallup Oil Pool and the :
production of gas from the Dakota Producing :
Interval through parallel strings of 2 3/8-inch :
tubing. :
:

BEFORE:

Elvis A. Utz, Examiner.

TRANSCRIPT OF HEARING

MR. UTZ: Case 1908.

MR. FLINT: Case 1908. Application of Val R. Reese
& Associates, Inc. for an oil-gas dual completion.

MR. ERREBO: Burns Errebo, Modrall, Seymour, Sperl-
ing, Roehl & Harris of Albuquerque, appearing on behalf of the ap-
plicant.

MR. FLINT: You have one witness?

MR. ERREBO: Yes.

(Witness sworn)

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CN 3-6591

ALBUQUERQUE, NEW MEXICO



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CM 3-6691

ALBUQUERQUE, NEW MEXICO

LOUIS C. JAMISON,

called as a witness, having been first duly sworn, testified as follows:

DIRECT EXAMINATION

BY MR. ERREBO:

Q State your name, please.

A Louis C. Jamison.

Q By whom are you employed and in what capacity?

A Val R. Reese & Associates, Incorporated, Albuquerque,
as geologist.

Q Have you previously testified before this Commission --

A Yes, sir, I have.

Q -- in connection with dual completion hearings?

A Yes, I have.

Q Actually, your previous testimony was in connection
with the Reese No. 1-19 in Section 19, immediately to the north,
is that correct?

A That's correct.

Q You qualified as a witness in that previous hearing?

A Yes, I did.

Q I hand you applicant's Exhibit No. 1 and ask you to
identify and explain what it shows?

A Exhibit No. 1 is an ownership plat showing the loca-
tion of the proposed gas-oil dual, the No. 1-30 Sperling in the
NE of the SE of Section 30, 24 North, Range 6 West, Rio Arriba



County, New Mexico.

Q Mr. Jamison, has this well been drilled and completed?

A Yes, it has.

Q And in what formation is it completed?

A It is completed in the Gallup, and in the Dakota formation. The calculated absolute open flow on the Dakota is 696 MCF, and the initial potential on the Gallup is 242 barrels of oil per day.

Q I'll now ask you to refer to Exhibit No. 2 and identify it and explain what it shows?

A Exhibit No. 2 is an induction electrical log on the No. 1-30 Sperling Well. The tops and bottoms of the two producing zones and the perforations have been marked on the detailed section of the log.

Q Approximately how many feet are there from the bottom of the upper zone to the top of the lower zone?

A The base of the Gallup is at 5533, and the top of the Dakota at 6282. So, it would be about, over 750 feet.

Q Now, I ask you to refer to applicant's Exhibit No. 3 and identify it and explain what it shows, briefly?

A Exhibit No. 3 is a diagrammatic sketch of the No. 1-30 Sperling Well. It shows the mechanics of producing the well through parallel strings of tubing with a permanent type Baker Model "D" production packer set at 6370 feet.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

Q Actually, is this the same type of down hole equipment as was used in the Reese No. 1-19?

A Yes, it is.

Q Both wells are completed in the same zones?

A That is correct.

Q Is there anything further that you have to add with regard to this Exhibit or any of the previous Exhibits?

A No, I have nothing.

Q I might ask you this. Is there any problem of corrosion from the well fluids produced from these formations?

A No, there is not.

Q Is it your opinion that this Baker Model "D" production packer, as shown on your Exhibit No. 3 will effectively separate the two formations?

A It is.

Q Is it your opinion that there will be no danger of communication between the two?

A Yes, it is.

Q Is it your intention, or have you already run tests to determine that these two formations are effectively separated?

A Yes, we've taken packer leakage tests, and have filed that with the Commission.

Q Do you have anything further to add?

A No, I don't.

Q Is it your opinion, then, that this application will



prevent waste and will not impair any correlative rights?

A Yes, it is.

MR. ERREBO: That's all we have.

CROSS EXAMINATION

BY MR. UTZ:

Q Do you have bottom hole information on the Gallup?

A Not bottom hole, no, sir. I can give you shut-in pressure surface.

Q All right, sir.

A The Gallup, after seven days shut-in was 1628. The Dakota, also after seven days, was 1909 PSIG.

Q What is the gravity of these two zones?

A The gravity of the oil from the Gallup is 40, and the Dakota is a gas completion.

Q What gravity is the gas?

A I have an estimated gravity here, I believe, point 63.

Q Did you calculate the bottom hole pressure, by any chance?

A No, I haven't.

Q What is the top of the cement on the 7-inch?

A 4770.

Q So, you have open hole between 4770 and 230 feet, is that right?

A Yes, that is correct.



Q What formations are in that interval?

A The Mesaverde and the Pictured Cliffs. However, the Pictured Cliffs is very poorly developed in this area, and the Mesaverde is water productive.

Q Does the Mesaverde produce much water in this area?

A Upon fracture completion you would have water production, but upon perforating part of the fracture there would probably be no water production.

Q Is this on the southwest flange of the South Blanco Pictured Cliffs?

A Yes, sir, extremely southwest.

Q How close is the nearest Pictured Cliffs well?

A Probably about three miles.

Q Is this common procedure in this area to leave these two formations open?

A Yes, sir, it is. However, on our No. 1-19 Well, we did use a D V tool to protect the Pictured Cliffs. However, request was made to eliminate that from this well as it has been done in other wells in the area, and such request was granted.

Q That was from the Aztec office, or is this a Federal well?

A Federal. It was from the U.S.G.S.

MR. UTZ: Are there any other questions of the witness?

MR. ERREBO: That's all we have, Mr. Examiner.



MR. UTZ: The witness may be excused.

(Witness excused)

MR. UTZ: Any statements in this case? The case
will be taken under advisement.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss

I, J. A. Trujillo, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Proceedings before the New Mexico Oil Conservation Commission was reported by me in Stenotype and reduced to typewritten transcript by me, and that the same is a true and correct record to the best of my knowledge, skill and ability.

WITNESS my Hand and Seal this, the 15th day of March, 1960, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

Joseph A. Trujillo
Notary Public

My Commission Expires:
October 5, 1960

I do hereby certify that the foregoing is a true and correct record of the proceedings in the Examination of the Commission of 1958, heard by me on Feb. 25, 1960.
Elmer A. Webb, Examiner
New Mexico Oil Conservation Commission

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

