

CASE 2721; Application of CONTINENTAL
for a triple completion - State A-2
Well #2, Lea County, N. M.

2221

Fin, Transcript,
Exhib. Etc.

State of New Mexico
Oil Conservation Commission

P. O. BOX 871
SANTA FE

~~Continental Oil Company~~

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. 2721
Order No. R-2602

APPLICATION OF CONTINENTAL OIL COMPANY
FOR A TRIPLE COMPLETION, LEA COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on December 19, 1962, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 28th day of December, 1962, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, 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, Continental Oil Company, seeks permission to complete its State A-2 Well No. 2, located in Unit J of Section 2, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico, as a triple completion (tubingless) to produce oil from the North Justis Tubb-Drinkard Pool, an undesignated Abo Pool, and the North Justis-Devonian Pool through parallel strings of 2 7/8-inch casing cemented in a common well bore.

(3) That the mechanics of the proposed triple completion are feasible and in accord with good conservation practices.

(4) That approval of the subject application will neither cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED:

(1) That Continental Oil Company is hereby authorized to complete its State A-2 Well No. 2, located in Unit J of Section 2, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico,

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CASE No. 2721
Order No. R-2402

as a triple completion (tubingless) to produce oil from the North Justis Tubb-Drinkard Pool, an undesignated Abo Pool, and the North Justis-Devonian Pool through parallel strings of 2 7/8-inch casing cemented in a common well bore.

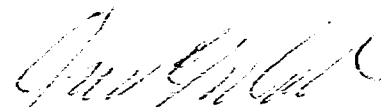
PROVIDED HOWEVER, That the applicant shall complete, operate, and produce said triple completion in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations insofar as said rule is not inconsistent with this order.


PROVIDED FURTHER, That the operator shall conduct zone segregation tests upon completion and annually thereafter during the Gas-Oil Ratio Test Period for the North Justis-Devonian Pool, and at such other times as the Secretary-Director of the Commission may prescribe.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

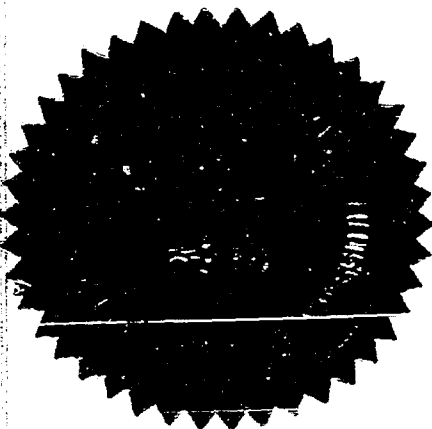
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


TOM BOLACK, Chairman


E. S. WALKER, Member


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



esr/



CONTINENTAL OIL COMPANY

P. O. BOX 1377

ROSWELL, NEW MEXICO

November 29, 1962

WM. A. MEAD
DIVISION SUPERINTENDENT
OF PRODUCTION
NEW MEXICO DIVISION

825 PETROLEUM BUILDING
TELEPHONE: MAIN 2-4202

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

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

Gentlemen:

Re: Application for Triple
Completion State A-2 No. 2,
Sec. 2-T25S-R37E, Lea County,
New Mexico

We forward herewith application in triplicate for
permission to triple complete our State A-2 Well No. 2 located
in Unit J, Sec. 2-T25S-R37E, Lea County, New Mexico.

It is believed that a hearing will be required since
no well in the area has previously been completed in the Abo
formation.

Please set this matter for hearing at the earliest
possible date.

Yours very truly,

VTL-bm
Enc.
cc: RGP HGD JRP JWK

DOCKET MAILED

Date 12/6/62

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1152

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
December 19, 1962

REGULAR HEARING

IN THE MATTER OF:)

Application of Continental Oil Company)
for a triple completion, Lea County, New)
Mexico. Applicant, in the above-styled)
cause, seeks authority to complete its)
State A-2 Well No. 2, located in Unit J)
of Section 2, Township 25 South, Range)
37 East, Lea County, New Mexico, as a)
triple completion (tubingless) to pro-)
duce oil from the North Justis Tubb-)
Drinkard Pool, an undesignated Abo Pool,)
and the North Justis-Devonian Pool through)
parallel strings of casing cemented in a)
common well bore.)

Case 2721

BEFORE: Honorable Thomas Bolack
Mr. A. L. "Pete" Porter
Mr. E. S. "Johnny" Walker

TRANSCRIPT OF HEARING

MR. PORTER: The hearing will come to order, please.

We're going to take next Case 2721, which is an application of
Continental Oil Company for a triple completion. This case
would ordinarily have been scheduled before an Examiner. Due to
the fact that we're not having an examiner hearing the latter
part of December, we put it on the regular docket.

MR. KELLAHIN: Jason Kellahin, Kellahin & Fox,



representing the applicant. We have one witness. I would like to have him sworn, please.

(Witness sworn.)

JOHN W. WOLFE, JR.

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

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Would you state your name, please?

A John W. Wolfe, Junior.

Q By whom are you employed and in what position?

A I am employed by Continental Oil Company as District Engineer, in Eunice, New Mexico.

Q Have you ever testified before the Oil Conservation Commission?

A No, sir.

Q Would you outline briefly for the benefit of the Commission your educational background and experience as an engineer?

A I graduated from Oklahoma A & M college in 1950, a B.S. in mechanical engineering, began work in 1950 for Continental Oil Company. With the exception of three years in military service I have been employed since that time in

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PHONE 243-6691



various engineering positions. I have been District Engineer at Ventura, California; Odessa, Texas, and now at Eunice, New Mexico.

Q Is the area in which the well is located involved in this application within your district?

A Yes, sir.

Q Are you familiar with the application of Continental Oil Company in Case 2721?

A Yes, sir.

Q Would you state briefly what's proposed by Continental in this application?

A This application requests authority to triple complete the State A-2, No. 2 in the North Justis Tubb-Drinkard, North Justis-Devonian, an undesignated Abo Pool.

Q Was a triple completion approved by the Commission for this well?

A Yes, sir. This well was proposed as a triple completion in the Fusselman, Devonian and Tubb-Drinkard.

Q On drilling the well did you find the Fusselman was dry?

A Yes, sir.

(Whereupon, Applicant's Exhibit No. 1 was marked for identification.)



Q Now, referring to what has been marked as Exhibit No. 1, Mr. Wolfe, would you identify that exhibit and discuss the information shown on it?

A This Exhibit No. 1 is a location and ownership plat showing Continental's State A-2 lease, which is the West Half of the Southeast Quarter of Section 2, Township 25 South, Range 37 East. It shows in red the State A-2 No. 2 Well, which is the subject of this hearing.

(Whereupon, Applicant's Exhibit No. 2 was marked for identification.)

Q Now, referring to what has been marked as Exhibit No. 2, would you identify that exhibit and discuss the information shown on it?

A Exhibit No. 2 is a schematic diagram showing the State A-2 No. 2, which was drilled to a total depth of 7515 feet. The three strings of 2-7/8" casing were cemented in a common well bore. The surface pipe was set at 312 feet, cement circulated to the surface. 9-5/8" set at 3730 feet with the top of the cement at 2100 feet. Top of cement on multiple strings was at 3180 feet, which is inside the 9-5/8 casing.

Q As I understand it, your three strings are cemented into the 9-5/8 casing?

A Yes.



Q And the 9-5/8 casing is cemented to what?

A To 2100 feet.

Q Is this type of completion one that will protect all producing horizons?

A Yes.

Q Is it the type of completion that will protect any fresh water zones that might be encountered in this well bore?

A Yes, sir.

Q Is it a type of completion that has heretofore been approved by this Commission?

A Yes.

Q Is it identical to the completion that was approved for this well with the exception that the completion is in the Abo rather than the Fusselman?

A Yes, sir.

(Whereupon, Applicant's Exhibit No. 3 was marked for identification.)

Q Referring to what has been marked as Exhibit No. 3, will you identify that exhibit and state what is shown on it?

A Exhibit No. 3, it is a gamma ray sonic log of the State A-2 No. 2 with the tops and perforations shown on the Tubb, Drinkard, Abo and Devonian horizons. These perforations are in the gross interval on the Drinkard from 5971 to 6048,



and the Abo from 6400 to 6593, and in the Devonian from 6955 to 7049.

Q Will the completion that has been made in this well effectively separate those zones?

A Yes, sir.

Q Were Exhibits 1, 2 and 3 prepared by you or under your supervision?

A Yes, sir.

MR. KELLAHIN: At this time I would like to offer in evidence Exhibits 1, 2 and 3.

MR. PORTER: Without objection the exhibits will be admitted to the record.

(Whereupon, Applicant's Exhibits Nos. 1, 2 and 3 were admitted in evidence.)

MR. PORTER: Anyone have a question of Mr. Wolfe?

Mr. Utz.

CROSS EXAMINATION

BY MR. UTZ:

Q Are you going to use any turbulizer and centralizers on this casing?

A This casing has already been cemented in place in accordance with the previously submitted plans.

Q Does it use turbulizers?



A Centralizers, yes, sir.

Q Circulated from the bottom?

A Yes, sir, through all three strings.

MR. PORTER: Mr. Wolfe, I notice that you notified all your offset operators. Have you had any indication of any objection from any of these people who have been notified?

A No, sir.

MR. PORTER: Does anyone else have a question? The witness may be excused.

(Witness excused.)

MR. PORTER: Any further testimony to be offered in this case?

MR. KELLAHIN: That's all we have, Mr. Porter.

MR. PORTER: Does anyone have a statement to make?
The case will be taken under advisement.



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STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss

I, ADA DEARNLEY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 8th day of January, 1963.


Notary Public-Court Reporter

My commission expires:

June 19, 1963.



NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

5-1-61

APPLICATION FOR MULTIPLE COMPLETION

Operator Continental Oil Company		County Los		Date
Address Box 1377, Hobbs, New Mexico		Lease 1 to 2		Well No. 2
Location of Well	Unit 3	Section 2	Township 23	Range 37

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple 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	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	No. Justin Tubbs-Brickard Discontinued No.		No. Justin Levanian
b. Top and Bottom of Pay Section (Perforations)	5971'-6048'	6400'-6513'	6955'-7049'
c. Type of production (Oil or Gas)	Oil	Oil	Oil
d. Method of Production (Flowing or Artificial Lift)	Flowing	Flowing	Flowing

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

- Yes a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and /or turbolizers and location thereof, quantities used and 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.
- Yes c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
- Yes 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.

Floyd C. Holt, a/o Howard F. Holman, P. O. Box 667, Hobbs, New Mexico

Humble Oil & Refining Co., P. O. Box 2347, Hobbs, New Mexico

Union Texas Petroleum Corp., P. O. Box 196, Midland, Texas

Shelly Oil Company, P. O. Box 38, Hobbs, New Mexico

Richard Drilling Co., P. O. Box 1547, Midland, 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 _____.

CERTIFICATE: I, the undersigned, state that I am the Division Superintendent of the Continental Oil Company (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.

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

1. Filed, May 3, 1961, File

13-3/8" casing - 312
Cement Circulated

9-5/8" casing - 3730
Top cement at 2100'

Drinkard Perforations
5971'-6048' (Gross Interval)

Abo Perforations
6400'-6593' (Gross Interval)

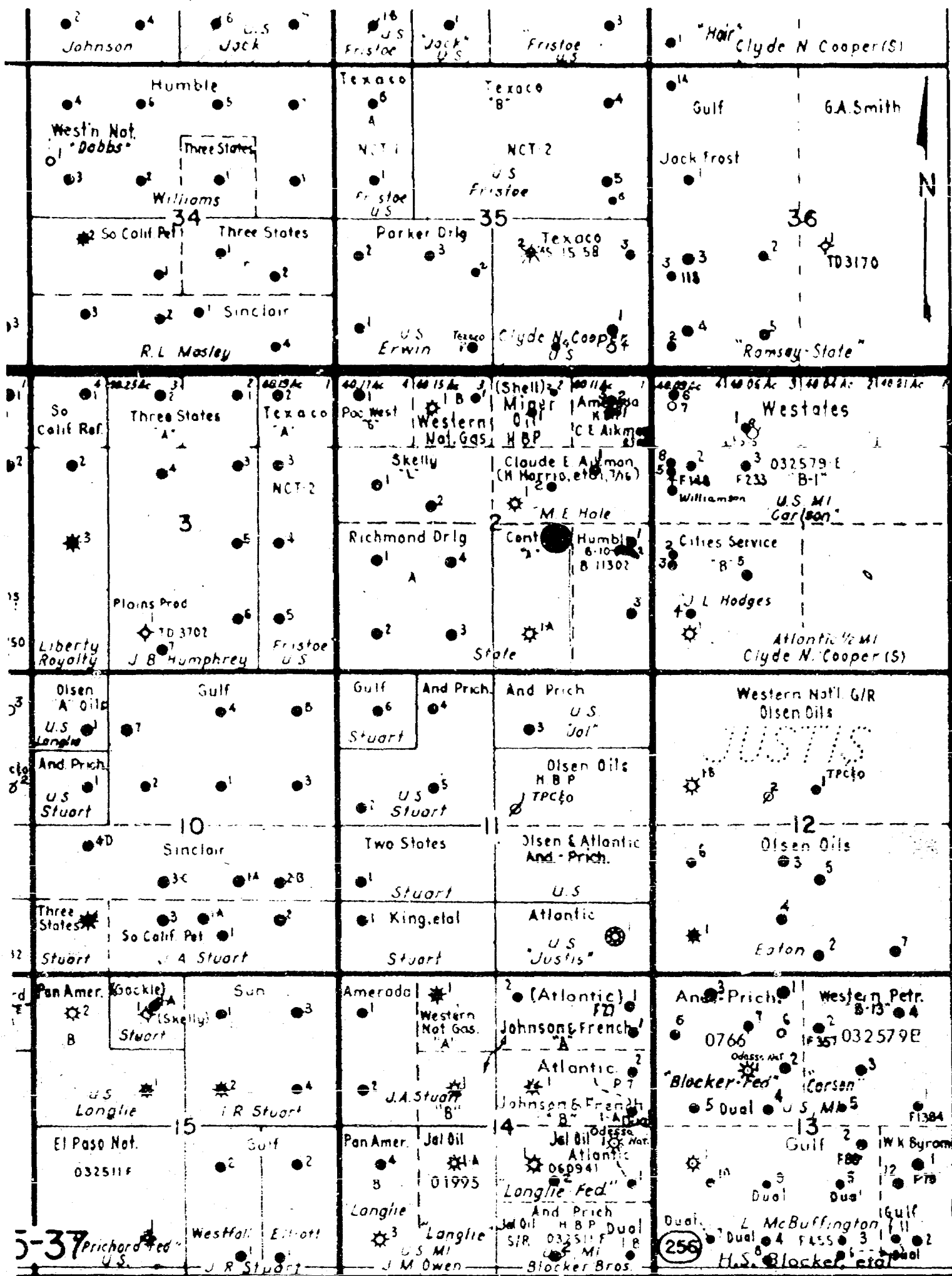
Three strings 2 7/8" csg. at
7515 T/Cement at 3180, TD 7515

Devonian

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEX.
Appel EXHIBIT No 1
CASE 2721

Devonian Perforations
6955'-7049' (Gross Interval)

R-37-E



R-37-E

CONTINENTAL OIL COMPANY
LOCATION AND OWNERSHIP PLAT
STATE A-2 LEASE
NORTH JUSTIS AREA

STATE A-2 WELL No. 2

BEFORE THE
OIL COMMISSION
SIGNED: 2
CASE 2221

Scale: 1" = 2000'
Date: 6-11-62

Exhibit No. 1