

[REDACTED]
F-4, San County, New Mexico.

Case No.

1674

Application, Transcript,
Small Exhibits, Etc.

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. 1674
Order No. R-1408

APPLICATION OF CONTINENTAL OIL
COMPANY FOR A GAS-OIL DUAL
COMPLETION IN THE BLINEBRY GAS
POOL AND WANTZ-ABO POOL, LEA
COUNTY, NEW MEXICO

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on May 20, 1959, at Santa Fe, New Mexico, before E. J. Fischer, 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 28th day of May, 1959, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, E. J. Fischer, 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, is the owner and operator of the M. E. Wantz Well No. 4-A, located in the SW/4 SE/4 of Section 21, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico.
- (3) That the applicant proposes to dually complete the above-described M. E. Wantz Well No. 4-A in such a manner as to permit the production of gas from the Blinebry Gas Pool and the production of oil from the Wantz-Abo Pool through the casing-tubing annulus and 2-inch tubing, respectively.
- (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. 1674

Order No. R-1408

IT IS THEREFORE ORDERED:

That the applicant, Continental Oil Company, be and the same is hereby authorized to dually complete its M. E. Wantz Well No. 4-A, located in the SW/4 SE/4 of Section 21, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico, in such a manner as to permit the production of gas from the Blinsbry Gas Pool and the production of oil from the Wantz-Abo Pool through the casing-tubing annulus and 2-inch tubing, respectively.

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 Gas-Oil Ratio Test Period for the Wantz-Abo Pool.

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.

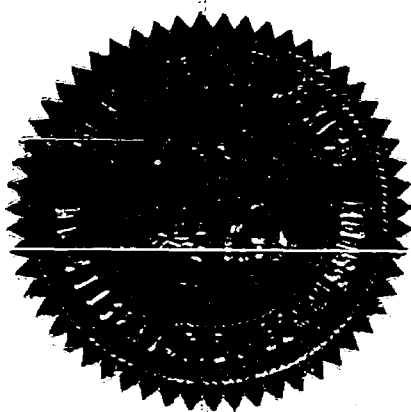
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

John Burroughs
JOHN BURROUGHS, Chairman

M. E. Morgan
MURRAY E. MORGAN, Member

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



vem/

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Case
1674

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name Wantz Abo Oil and Blinebry Gas		County Lea	Date April 17, 1959
Operator Continental Oil Company		Lease M. E. Wantz	Well No. 4-A
Location of Well	Unit 0	Section 21	Township 21
			Range 37

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	Blinebry	Wantz Abo
b. Top and Bottom of Pay Section (Perforations)	5490'-5585'	7130'-7235'
c. Type of production (Oil or Gas)	Gas	Oil
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.
- Yes 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.*
- 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.

N. B. Hunt, Andrews Hwy., Odessa, Texas

Shell Oil Company, Engr. Dept., Box 1957, Hobbs, New Mexico

Gulf Oil Corp., Engr. Dept., Box 2167, Hobbs, New Mexico

Sunray Mid-Continent, Engr. Dept., 9th Floor V&J Tower, Midland, Texas

(See attached sheet for additional offset operators)

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 April 17, 1959.

CERTIFICATE: I, the undersigned, state that I am the Division Supt. 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.

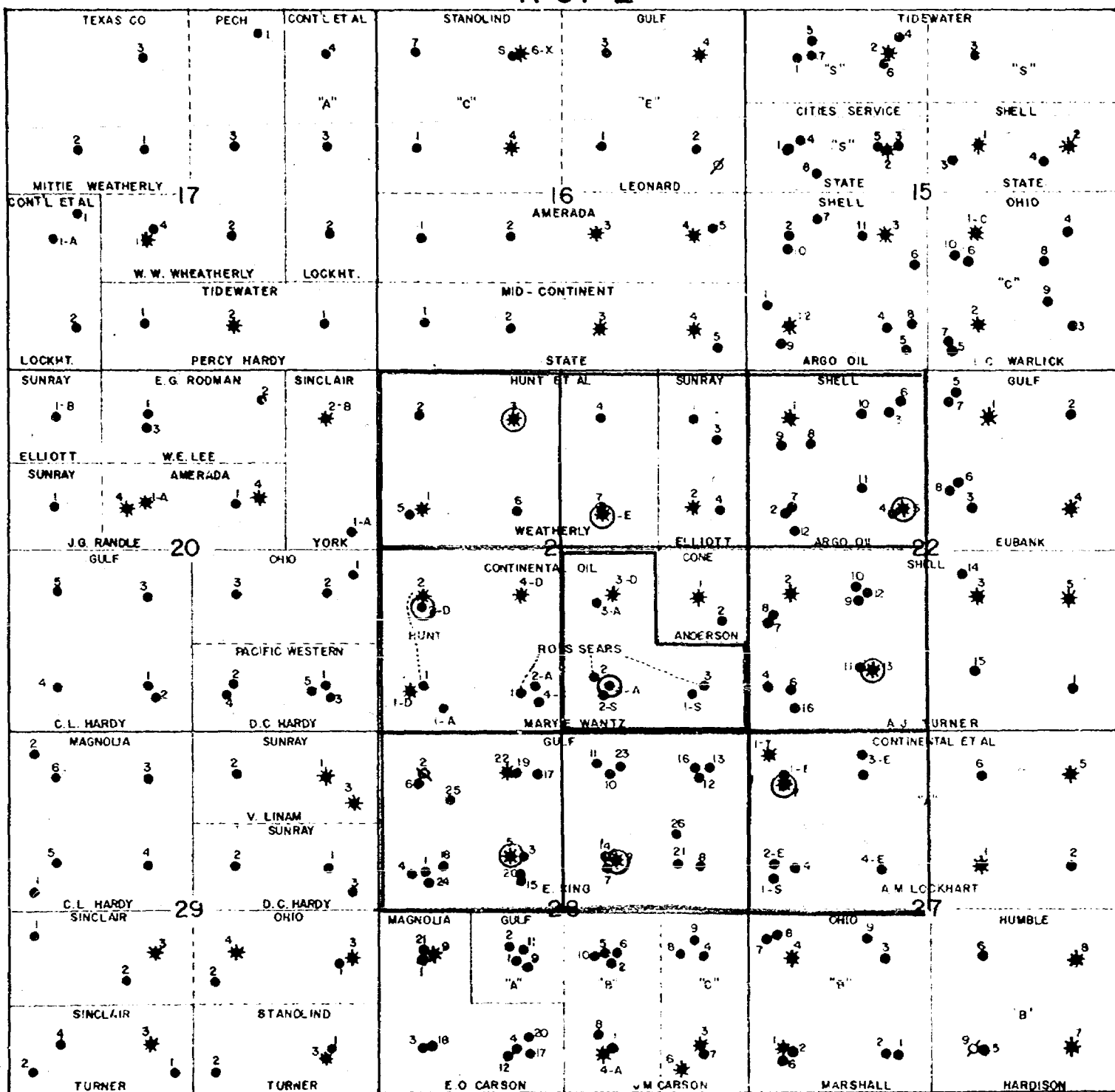
R. L. Adams
Signature

- * 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.

Additional Offset Operators - Wantz 4-A

1. Tidewater Oil Company - Box 547 - Hobbs, New Mexico
2. Sinclair Oil & Gas Company - 520 E. Broadway - Hobbs, New Mexico
3. J. R. Cone - 1706 Great Plains Life Building - Lubbock, Texas
4. The Ohio Oil Company - Box 2107 - Hobbs, New Mexico

R-37-E

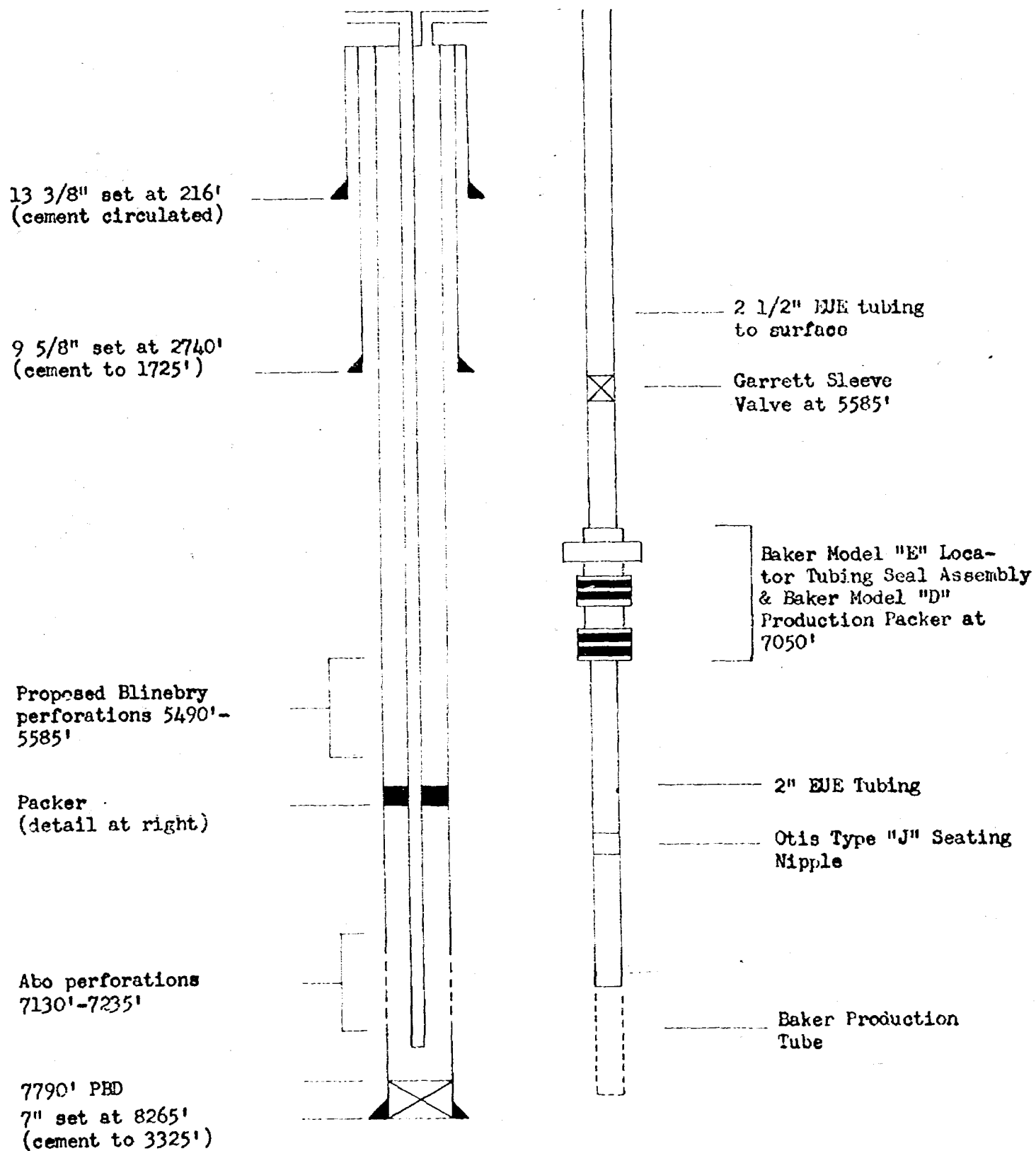


CONTINENTAL OIL COMPANY
Location Plat

Scale: 1" = 2000'

Drwn by: COG

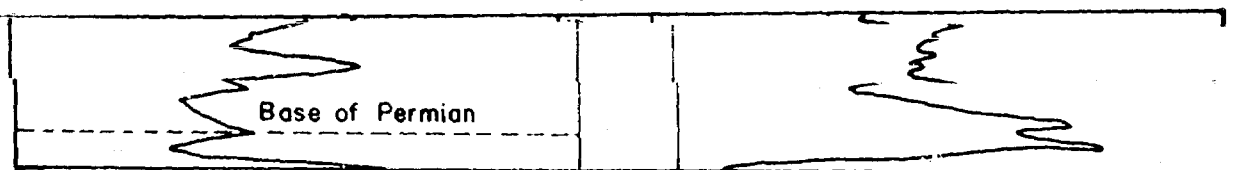
CONTINENTAL OIL COMPANY
 PROPOSED METHOD OF DUAL COMPLETION
 WANTZ NO. 4-A



Case 1674

CONTINENTAL OIL COMPANY

M.E. Wantz No. 4-A



Drill-stem Tests:

1. 6455-6525', 1 hour, recovered 180' drilling fluid, slight show oil, no water, 15 MCF.
2. 6525-6570', 1 hour, recovered 6500' oil, 98 MCF gas.
3. 6570-6630', 1 hour, recovered 480' oil, gas-cut mud, 36 MCF gas.
4. 7470-7585', 1 hour, recovered 120' drilling mud, no oil, gas or water.
5. 7585-7688', 2 hour, 5 minutes, gas to surface in 5 minutes, oil in 20 minutes, flowed 157 bbls. oil, no water, in 1 hour, 45 minutes, with 955 MCF gas.
6. 8061-8135', 2 hour, gas to surface in 5 minutes, oil in 1 hour, during second hour, flowed 37 bbls. oil, no water with 755 MCF gas.
7. 8135-8235', 1 hour 45 minutes, gas to surface in 6 minutes, oil in 20 minutes. Flowed 56 bbls. oil, no water in 1 hour, with 1240 MCF gas.
8. 8235-8270', 1 hour 30 minutes, recovered 1650' oil, 120' oil-cut mud, 270' salt water.

Perforated 8100-8135' with 280 shots, 8155-8185' with 240 shots. Completed for I.P. of 1,468 EOPD, based on 6-hour test of 367 BO, no water, flowing through 1" choke on 2 1/2" tubing, with 621 MCF gas, GOR 600, CP: 500#, TP:100#.

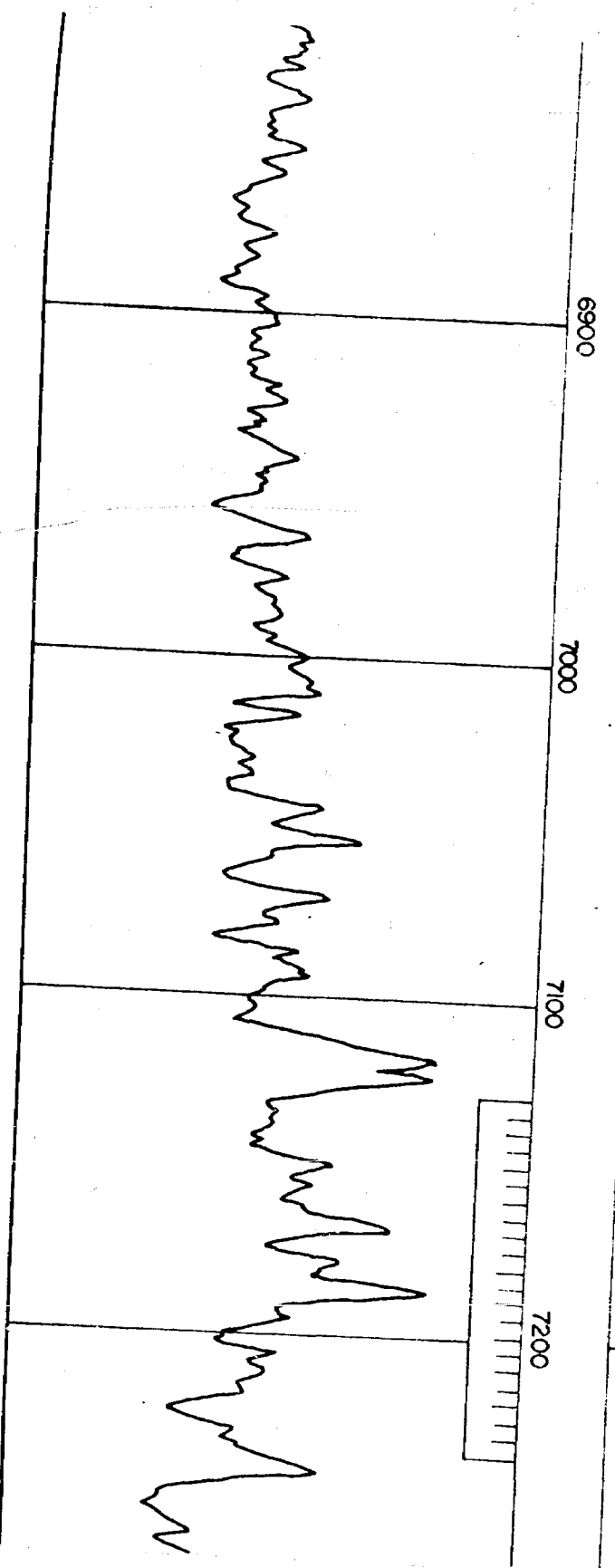
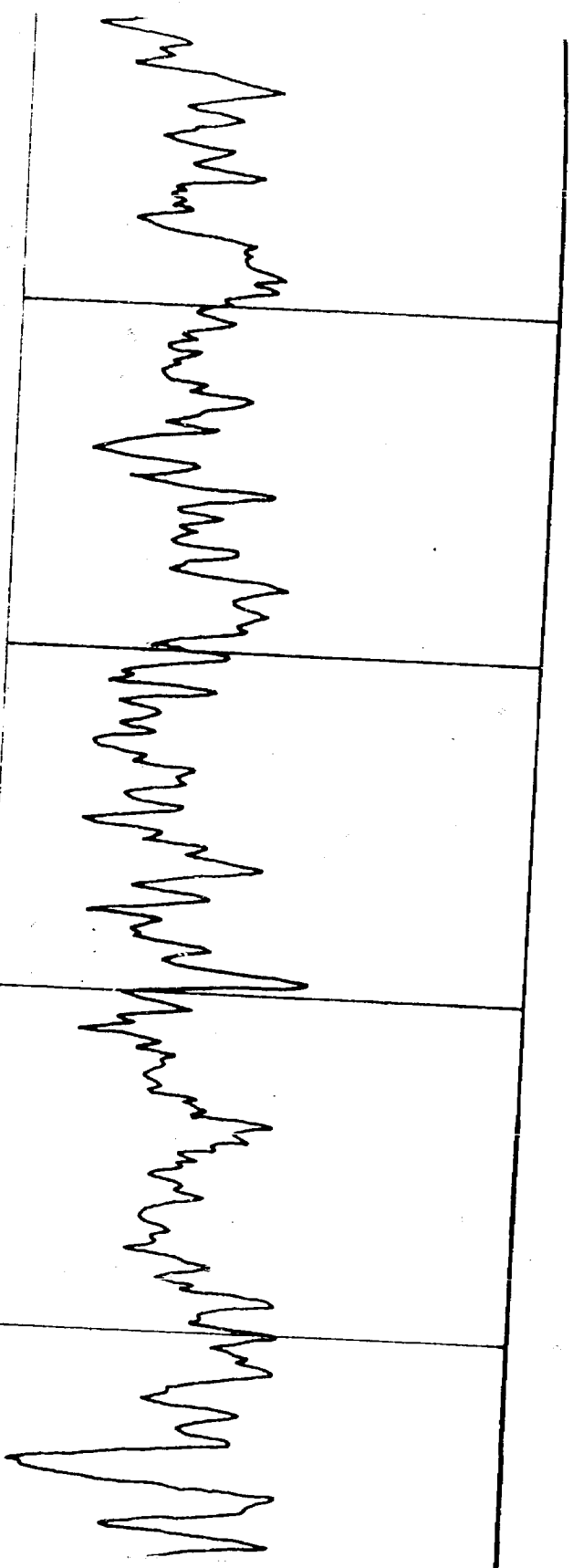
Pay: Ellenburger 8100-8135' and 8155-8185'.

Markers: Top of Glorieta 5088'
Top of Tubbs 6036'
Base of Permian 7290'
Top of McKee 7565'
Top Ellenburger 7985'

Total depth reached 10-21-48.

Completion test 10-28-48.

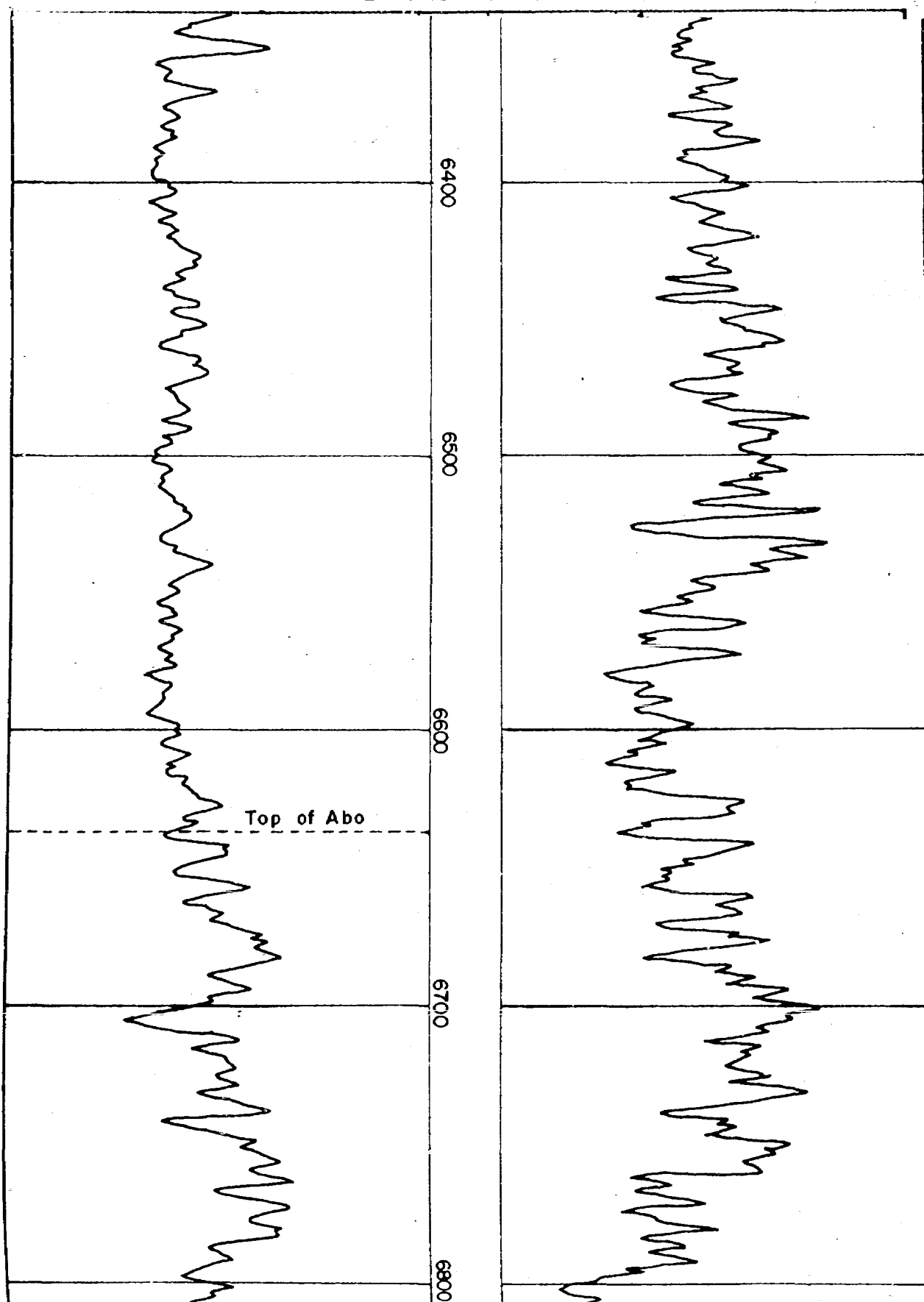
On October 16, 1958, after extensive remedial work on the Ellenburger formation, the well was plugged back and recompleted in the Wantz Abo oil pool. Before: well TSD due to 100% water production. After: PB 7790', pay Abo 7130-7235'. Flowed 85 BO, no water, in 9 hours, on 15/64" choke, with 122 MCF GPD, GOR 540, DOR 227 bbls.

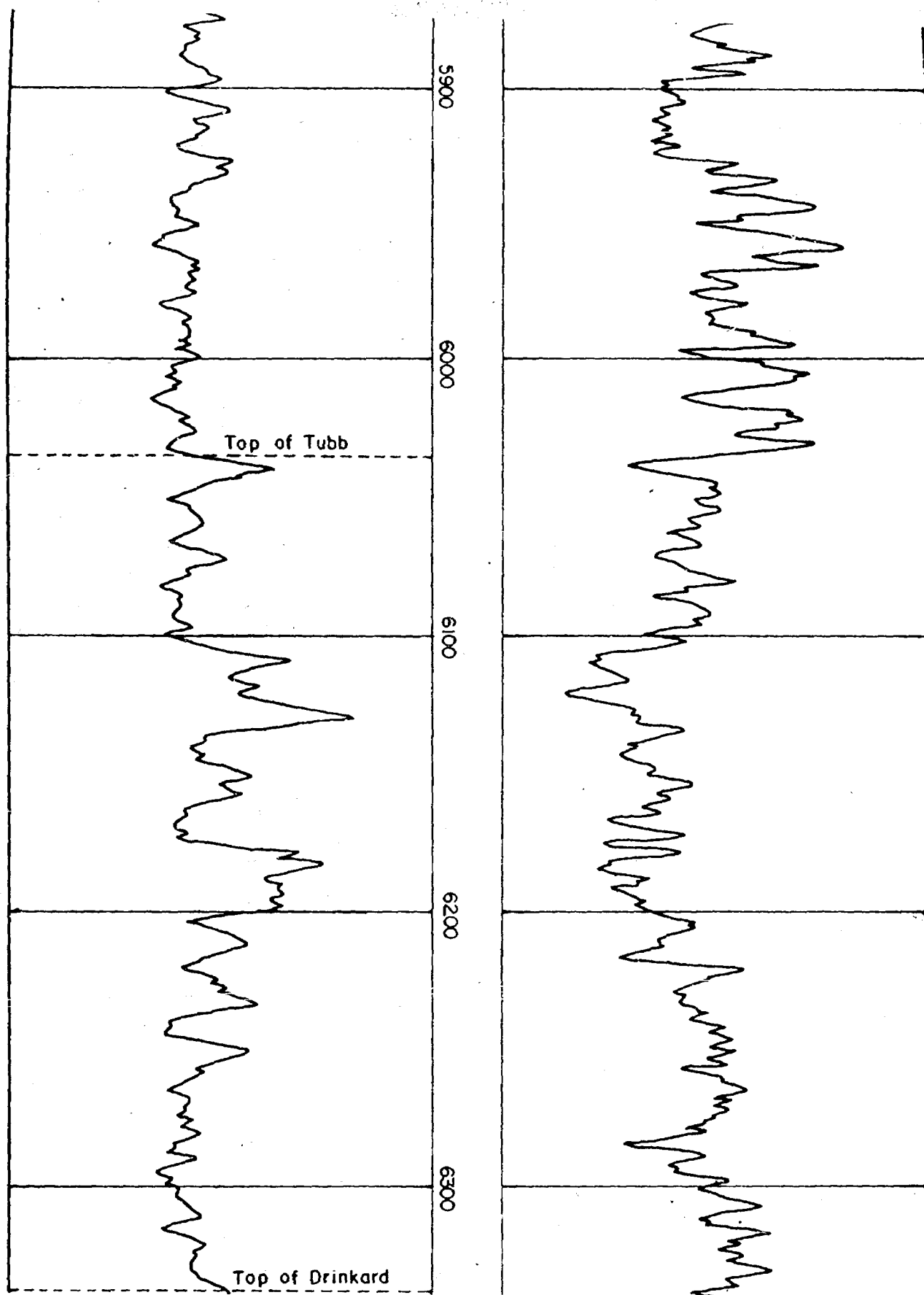


CONTINENTAL OIL COMPANY

M.E. Wantz No. 4-A

Case
1674

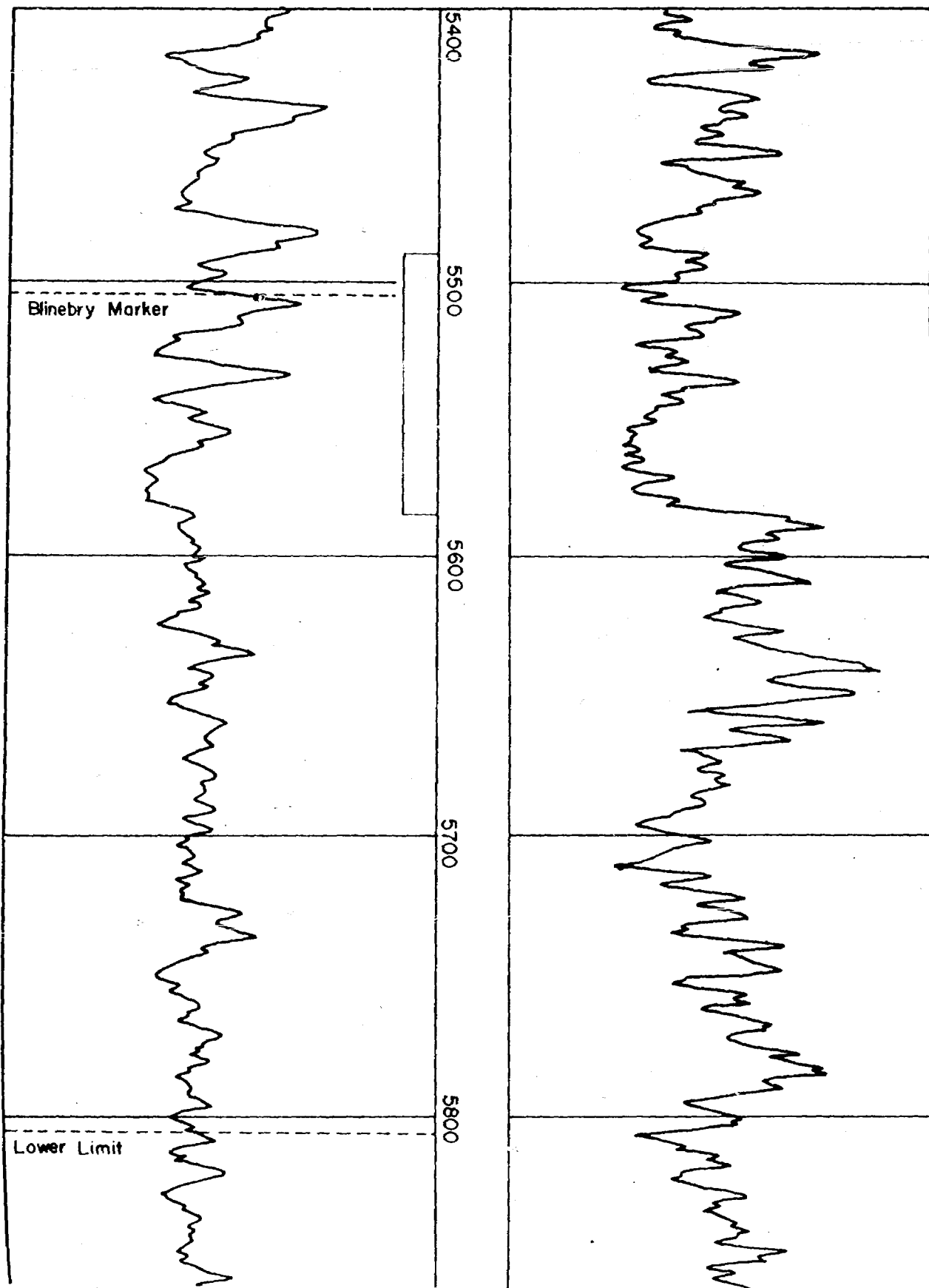




CONTINENTAL OIL COMPANY

Case 1674

M.E. Wantz No. 4-A





CONTINENTAL OIL COMPANY

825 PETROLEUM BUILDING
ROSWELL, NEW MEXICO

R. L. ADAMS
DIVISION SUPERINTENDENT
OF PRODUCTION
NEW MEXICO DIVISION

1674
April 17, 1959

✓ New Mexico Oil Conservation Commission
Post Office Box 871
Santa Fe, New Mexico

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

Gentlemen:

Re: Continental Oil Company's
application for hearing for
dual completion in the Wantz-
Abo Oil and Blinebry Gas Pools
of the M. E. Wantz No. 4-A
located in Section 21, T-21S,
R-37E, N.M.P.M., Lea County,
New Mexico, and application
for administrative approval
for a 120-acre non-standard
gas proration unit for its
M. E. Wantz No. 4-A in the
Blinebry Gas Pool


Please find attached three copies of Continental Oil
Company's application for the dual completion of its M. E. Wantz
No. 4-A in the Wantz Abo Oil and Blinebry Gas Pools. Also, please
find three copies of an application for administrative approval
for a 120-acre non-standard gas proration unit in the Blinebry
Gas Pool to be allocated to the M. E. Wantz No. 4-A located in
Section 21, T-21S, R-37E, NMPM, Lea County, New Mexico. The 120-
acre non-standard gas proration unit is to consist of the W/2 SE/4

*Doyle
Mailed 5-6-59*

New Mexico Oil Conservation Commission
Page 2

and the SE/4 SE/4 of said Section 21. We respectfully request that the application for dual completion be set for hearing at the earliest convenient date.

Yours very truly,

A handwritten signature in cursive script, appearing to read "R. L. Adams".

RLA-BR
Enc

DOCKET: EXAMINER HEARING MAY 20, 1959

Oil Conservation Commission, 9 a.m., Mabry Hall, State Capitol, Santa Fe

The following cases will be heard before E. J. Fischer, Examiner

- CASE 1673: Application of Standard Oil Company of Texas for an amendment of Order Nos. R-1067 and R-1124. Applicant, in the above-styled cause, seeks an amendment of Order Nos. R-1067 and R-1124 to permit the utilization of dump type meters in lieu of positive displacement meters on certain leases in the Atoka Pool, Eddy County, New Mexico.
- CASE 1674: Application of Continental Oil Company for a gas-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its M. E. Wantz Well No. 4-A located in the SW/4 SE/4 of Section 21, Township 21 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of gas from the Blinebry Gas Pool and the production of oil from the Wantz-Abo Pool through the casing-tubing annulus and the tubing respectively.
- CASE 1675: Application of Hill and Meeker for six non-standard oil proration units. Applicant, in the above-styled cause, seeks an order establishing six non-standard oil proration units for Delaware production on its State "36" Lease comprising all of partial Section 36, Township 26 South, Range 32 East, Lea County, New Mexico, with each of said non-standard oil proration units to consist of approximately 44 acres.
- CASE 1676: Application of Humble Oil & Refining Company for permission to produce more than sixteen wells into a common tank battery and to commingle the production from two separate leases. Applicant, in the above-styled cause, seeks permission to commingle the Gallup production from its Navajo "F" Lease comprising Sections 3, 4, 9, and 10 with the Gallup production from its Navajo "G" Lease comprising Sections 1, 2, 11, and 12, all in and adjoining the Chimney Rock-Gallup Oil Pool, Township 31 North, Range 17 West, San Juan County, New Mexico. Applicant further seeks authority to produce more than sixteen wells into said common tank battery.
- CASE 1677: Application of The Texas Company for an oil-gas dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its V. M. Henderson Well No. 2 located in the NE/4 NE/4 of Section 30, Township 21 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Paddock Pool and the production of gas from the Blinebry formation adjacent to the Blinebry Gas Pool.
- CASE 1678: Application of Rice Engineering and Operating, Inc. for a salt water disposal well. Applicant, in the above-styled cause, seeks an order authorizing it to recompleate its Gulf Oberholtzer Well No. 2 as a salt water disposal well in the Devonian formation; said well is located 1980 feet from the North line and 2310 feet from the West line of Section 7, Township 12 South, Range 38 East, Lea County, New Mexico. Applicant proposes to inject the produced salt water into the Devonian formation in the interval from 12,206 feet to 12,400 feet.

- CASE 1679: Application of Western Oil Fields, Inc., for a non-standard gas proration unit. Applicant, in the above-styled cause, seeks the establishment of an 80-acre non-standard gas proration unit in the Blinebry Gas Pool consisting of the NW/4 SE/4 and the NE/4 SW/4 of Section 4, Township 21 South, Range 37 East, Lea County, New Mexico, said unit to be dedicated to the applicant's Gulf Hill Well No. 1, located 1980 feet from the South and East lines of said Section 4.
- CASE 1680: Application of Graridge Corporation for capacity allowables for eight wells in a water flood project. Applicant, in the above-styled cause, seeks an order authorizing capacity allowables for eight wells situated in the project area of its water flood project in the Caprock-Queen Pool in Lea and Chaves Counties, New Mexico.
- CASE 1681: Application of The Ibex Company for a capacity allowable for one well in a water flood project. Applicant, in the above-styled cause, seeks an order authorizing a capacity allowable for its Welch Duke State Well No. 18 in the project area of its Artesia Water Flood Project No. 2, Artesia Pool, Eddy County, New Mexico.

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date May 20, 1959

CASE NO. 1674

HEARING DATE May 20, 1959

My recommendations for an order in the above numbered case(s) ^{is} are as follows:

Enter an order granting permission to
diesel complete Continental Oil Co's.
M. E. Watz Well No. 4-A, loc. in SW $\frac{1}{4}$ SE $\frac{1}{4}$
Sect. 21 - 2180. - 37 East, Lea Co.
to permit prod. of oil from the
Watz - also Prod and gas from the
Blinbury Gas Pool.
Gas in the Annulus
Oil thru tubing.

E. J. Fischer
Staff Member

MAIL ROOM RECEIVED

1959 JUN JUN 10 AM 8:03

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
May 20, 1959

EXAMINER HEARING

IN THE MATTER OF:

Case 1674

DEARNLEY - MEIER & ASSOCIATES
GENERAL LAW REPORTERS
ALBUQUERQUE, NEW MEXICO
Phone CHapel 3-6691

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
May 20, 1959

EXAMINER HEARING

IN THE MATTER OF:

Application of Continental Oil Company for
a gas-oil dual completion. Applicant, in
the above-styled cause, seeks an order
authorizing the dual completion of its
M. E. Wantz Well No. 4-A located in the
SW/4 SE/4 of Section 21, Township 21
South, Range 37 East, Lea County, New
Mexico, in such a manner as to permit the
production of gas from the Blinebry Gas
Pool and the production of oil from the
Wantz-Abo Pool through the casing-tubing
annulus and the tubing respectively.

Case 1674

BEFORE:

Mr. E. J. Fischer, Examiner

TRANSCRIPT OF HEARING

MR. FISCHER: The next case is 1674.

MR. PAYNE: "Application of Continental Oil Company
for a gas-oil dual completion."

MR. KELLAHIN: Jason Kellahin of Kellahin and Fox,
Santa Fe, New Mexico, appearing for the applicant. We have one
witness.

(Witness sworn.)

VICTOR T. LYON

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

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Would you state your name, please?

A Victor T. Lyon.

Q By whom are you employed and in what position, Mr. Lyon?

A By Continental Oil Company as District Engineer in Eunice District, in Eunice, New Mexico.

Q Have you previously testified before the Oil Conservation Commission of New Mexico as a petroleum engineer and had your qualifications accepted?

A Yes, sir, I have.

MR. KELLAHIN: Are the witness's qualifications acceptable?

MR. FISCHER: They are.

Q Are you familiar with the application in this case?

A Yes, sir.

Q What was proposed in this application?

A This is the application of Continental Oil Company for permission to dually complete our Wantz No. 4-A well in the Wantz-Abo Pool and the Blinebry Gas Pool.

Q That would be for the production of oil from the Abo and gas from the Blinebry Pool?

A Yes, sir.

(Marked Continental Oil Company's
Exhibit No. 1, for identifica-
tion.)

Q Referring to what has been marked as Exhibit No. 1,
would you state what that shows?

A Exhibit No. 1 is a location and ownership plat show-
ing the Wantz lease, which is shown outlined in red and consists
of the Southwest Quarter, the West Half of the Southeast Quarter,
and the Southeast Quarter of the Southeast Quarter of Section 21,
Township 21 South, Range 37 East.

It also shows the leases and wells in the immediately sur-
rounding area. The Wantz 4-A well, which is the subject of this
hearing, is shown circled in red.

Q According to that exhibit, what acreage would you
propose to dedicate for Blinebry gas production?

A Well, it isn't shown on the exhibit, but we do pro-
pose to locate 120 acres consisting of the West Half of the
Southeast Quarter and the Southeast of the Southeast Quarter.

Q What would be the result as to the Cone-Anderson
40 acre tract shown on the exhibit?

A It is my understanding that Mr. Cone is completing
his own well for Blinebry gas production.

Q Does the exhibit show the presently producing Wantz-
Abo oil and Blinebry gas wells?

A They are not designated specifically in that manner

except for the Wantz-Abo wells which have a, a suffix after the number. There are four such wells, the 1-A, 2-A, 3-A and 4-A. The Blinebry wells are shown, well, we have one Blinebry well on the lease which is the No. 2-D, a Drinkard-Blinebry dual completion, but it's completion as a Blinebry well is not shown on the exhibit.

(Marked Continental Oil Company's Exhibit No. 2, for identification.)

Q Now, referring to what has been marked as Exhibit No. 2, would you state what that shows?

A Exhibit No. 2 is a copy of the radioactivity log on the subject well Wantz 4-A, and it shows the Blinebry marker, the proposed Blinebry perforations.

Q How are they shown?

A The perforations are shown as a block colored in red. It shows the lower limit of the Blinebry Pool, the top of the Tubb, the top of the Drinkard, the top of the Abo, and the present Abo perforations. Also the base of the Permian. Now, on the bottom of the exhibit is shown a brief resume of the history of the well.

(Marked Continental Oil Company's Exhibit No. 3, for identification.)

Q Now, referring to what has been marked as Exhibit No. 3, will you discuss the proposed method of dual completions?

A Exhibit No. 3 is a schematic drawing of the proposed

dual completion. On the left is a schematic of the casing and tubing overall, it shows the surface casing set at 2416 feet, nine and five inches, intermediate casing set at 2740; shows the proposed Blinebry perforations, the approximate location of the packer, the Abo perforations, and then the casing seat or depth of the seven inch production string.

On the right the tubing installation is shown schematically, and as shown, we intend to run two and a half inch "EUE" tubing to the top of the packer and then below that two inch "EUE" tubing with an Otis Type J seating nipple and a Baker production tube on the bottom.

Q Will that have a sleeve?

A There's a garrett sleeve which will be located above the packer so that the Blinebry zone can be unloaded by swabbing, and then the sleeve closed to maintain separation of the zone.

Q In your opinion will this type of completion adequately produce the two producing horizons involved?

A Yes, sir.

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

A Yes, sir, on numerous occasions.

Q In your opinion is approval of this application in the interest of conservation and the prevention of waste?

A Yes, it is; although it isn't shown on Exhibit No. 1,

this acreage is entirely surrounded by Blinebry gas producers, and unless a Blinebry completion is made to which this acreage can be allocated, the acreage will continue to suffer drainage from the Blinebry Gas Pool.

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

A Yes, sir.

Q And Exhibit No. 2, is that an authentic copy of the radioactivity log on the subject well?

A That is a direct tracing of the gamma ray neutron curves, and it was prepared under my supervision also.

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

MR. FISCHER: Without objection they will be accepted.

MR. KELLAHIN: That's all the questions I have.

MR. FISCHER: Any questions of Mr. Lyons?

MR. PAYNE: Yes, sir.

CROSS EXAMINATION

BY MR. PAYNE:

Q Have you received administrative approval yet, Mr. Lyons, for this non-standard 120 unit in the Blinebry?

A No, sir, we have not applied for it yet, feeling that it would be more proper to get our completion and then in the interim between the completion and the connection of the well

we would have adequate time to secure our non-standard unit.

Q Mr. Cone, do you know if he has started this Blinbry well?

A No, sir, I do not.

Q The packer that you propose to utilize is a permanent type packer, is it not?

A Yes.

Q As opposed to a retrievable?

A Yes, it is a Baker, 415-D Baker retainer production packer.

BY MR. FISCHER: How old is this well, Mr. Lyons?

A I believe it was completed originally in the Ellenburger formation on October 28, 1948.

Q Have you started any work towards this dual completion yet?

A No, we have completed in the Abo only.

Q Have you had any recent test of your pipe in this well, pressure test?

A No, I don't believe so.

MR. FISCHER: Any other questions? If not the witness may be excused. The case will be taken under advisement.

(Witness excused.)

STATE OF NEW MEXICO)
) ss
COUNTY OF BERNALILLO)

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 3rd day of June, 1959.

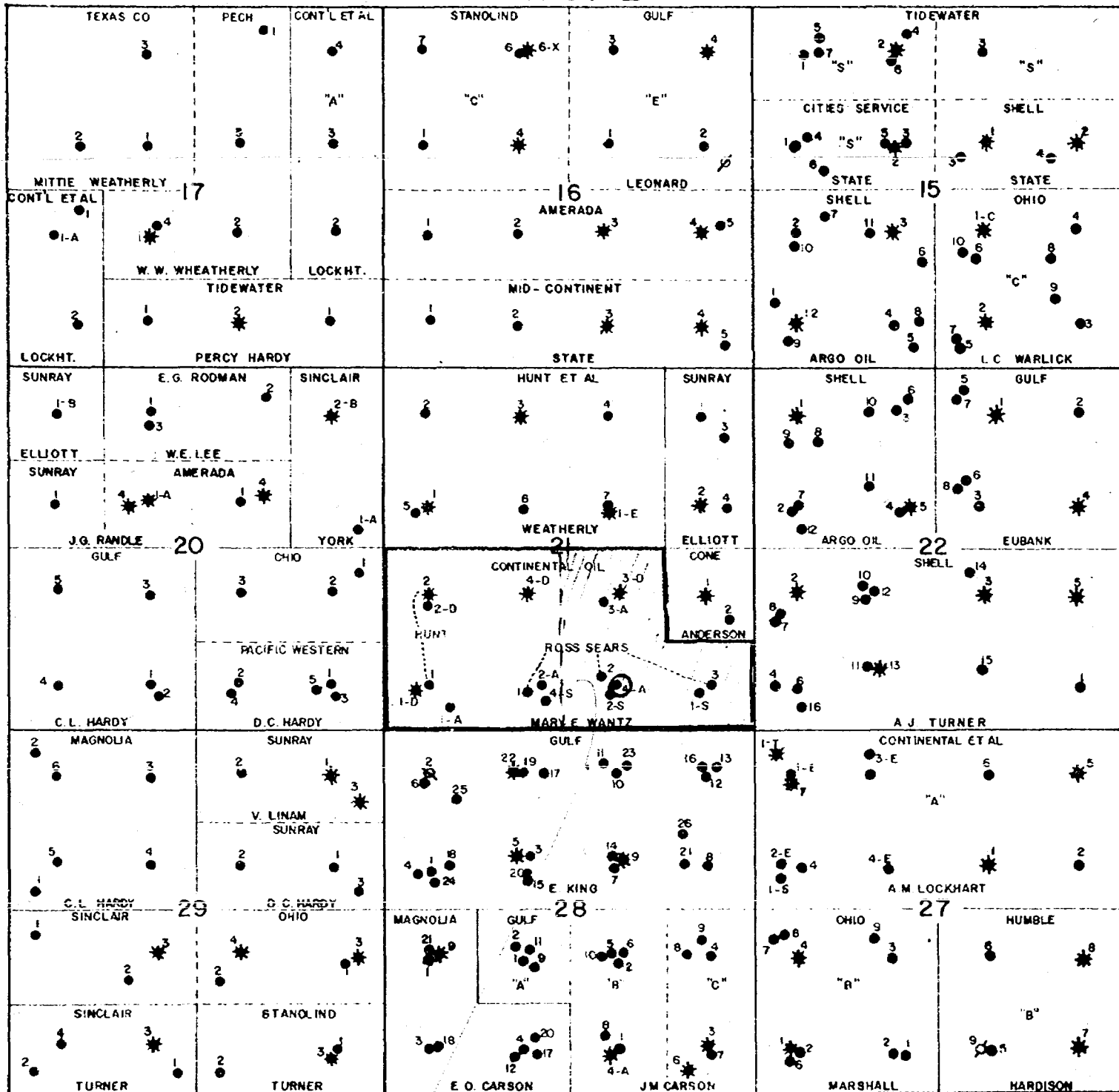
Ada Dearnley
Notary Public-Court Reporter

My Commission Expires:

June 19, 1959.

BEFORE EXAMINER FISCHER
OIL CONSERVATION COMMISSION
Case No. 1674
Conoco E. J. Fischer

R-37-E



CONTINENTAL OIL COMPANY
Location Plat

Scale: 1" = 2000'

wantz wells
1-A
2-A
3-A
4-A

pl. gas

BEFORE EXAMINER FISCHER
OIL CONSERVATION COMMISSION
Exhibit No. 1
Case No. 1674

Drwn by: COG

T
21
S

CONTINENTAL OIL COMPANY
 PROPOSED METHOD OF DUAL COMPLETION
 WANTZ NO. 4-A

13 3/8" set at 216'
 (cement circulated)

9 5/8" set at 2740'
 (cement to 1725')

Proposed Blinbry
 perforations 5490'-
 5585'

Packer
 (detail at right)

Abo perforations
 7130'-7235'

7790' PBD
 7" set at 8265'
 (cement to 3325')

2 1/2" BUE tubing
 to surface

Garrett Sleeve
 Valve at 5585'

Baker Model "E" Loca-
 tor Tubing Seal Assembly
 & Baker Model "D"
 Production Packer at
 7050'

2" BUE Tubing

Otis Type "J" Seating
 Nipple

Baker Production
 Tube

BEFORE EXAMINER FISCHER

OIL CONSERVATION COMMISSION

Exhibit No. 3
 Case No. 1674