

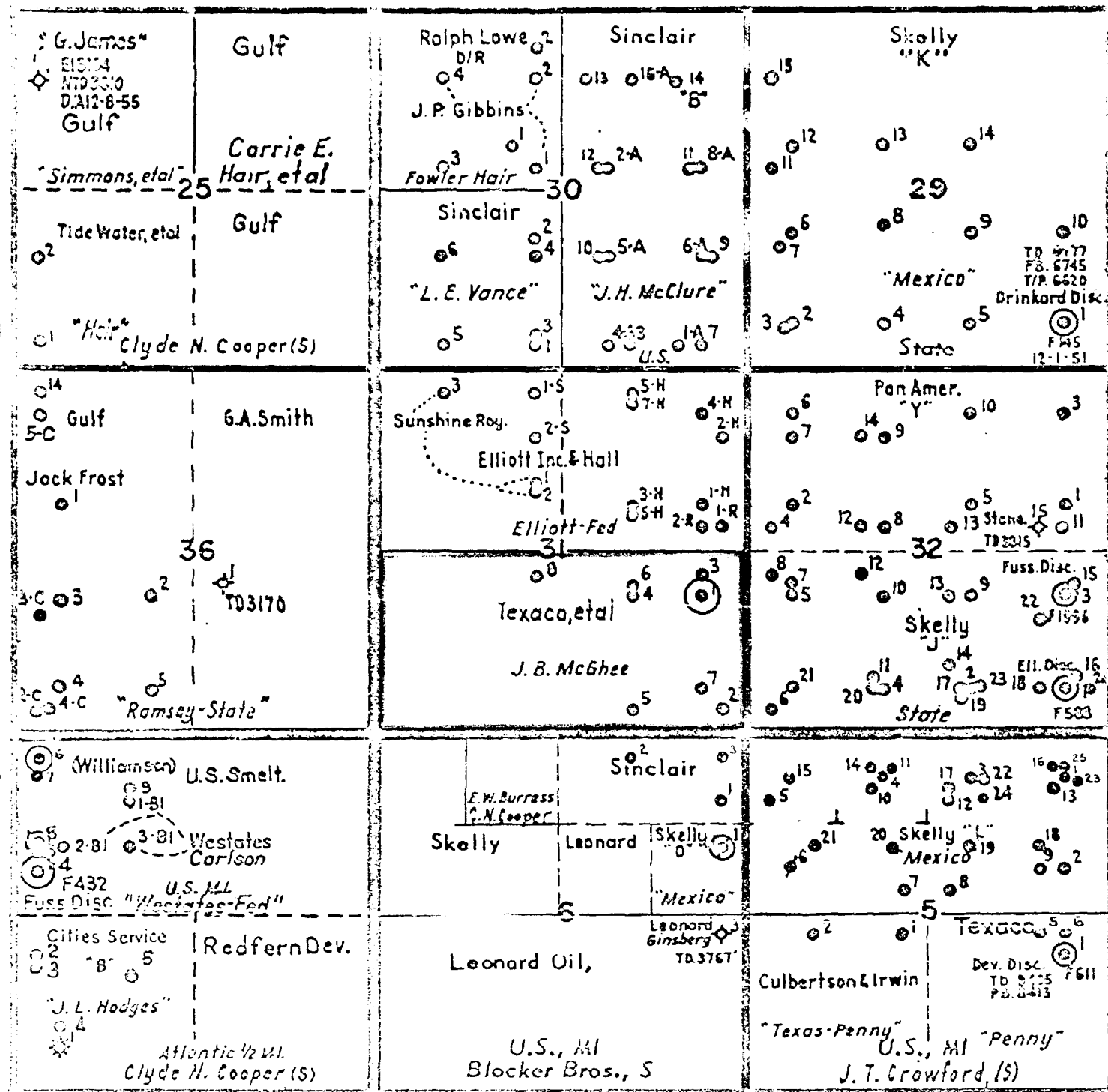
~~CASE 2893~~ Application of TEXACO
for dual completion of its J. B.
McGhee Well No. 1.

CASE No.
2895

Application,
TRANSCRIPTS,
SMALL Exhibits
ETC.

R-37-E

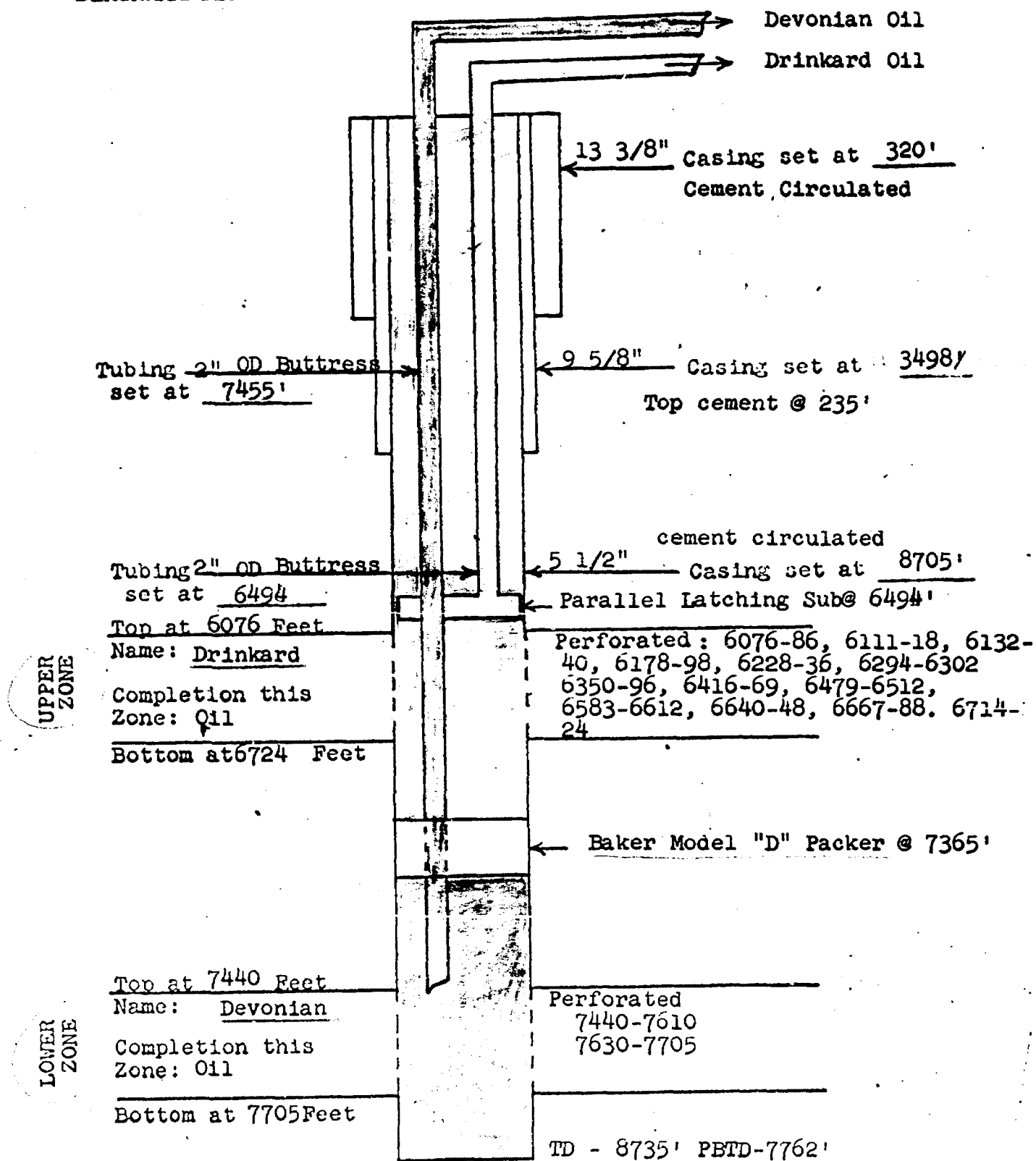
R-38-E



OWNERSHIP PLAT
 TEXACO INC.
 J. B. MCGHEE LEASE
 DOLLARHIDE (DRINKARD AND DEVONIAN) POOLS
 LEA COUNTY, NEW MEXICO
 SCALE 1" = 2000'

BEFORE EXAMINER UTZ
 OIL CONSERVATION COMMISSION
 EXHIBIT NO. 1
 CASE NO. 2895

DIAGRAMMATIC SKETCH SHOWING DUAL COMPLETION INSTALLATION



BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 2
CASE NO. 2895

COMPANY: TEXACO Inc.
LEASE: J. B. McGhee Well No. 1
FIELD: Dollarhide Drinkard & Dollarhide Devonian
DATE: 8-29-63

TEXACO Inc.
J. B. McGhee No. 1
Crude Characteristics

Item	Drinkard	Devonian
	<u>Dollarhide Drinkard</u>	<u>Dollarhide Devonian</u>
Type Crude	Int. Sweet	Int. Sweet
Gravity	37.6	40 (Est.)
GOR (ft 3/bbl)	2500	1100 (Est.)
BHP (psi)	633	2128
Status	Pump	Pump
Corrosion	* Very Slight	None
Paraffin	** Slight	None

Note: Data above not marked "(Est.)" are actual.
* Will inhibit as necessary by injecting inhibitor into casing-tubing annulus and circulating.
** Use scrapers on rods and pull well occasionally.

Productivity Tests:

Dollarhide Drinkard: 8-2-63 Pump 10 Bbls. oil 7 Bbls. water, GOR 2500 Oil Gravity 37.6° API

Dollarhide Devonian: 8-12-63 Swab 3 hours 12 Bbls. Oil. *3 h*
Presently installing pumping unit.

BEFORE EXAMINER UIZ	
Oil CONSERVATION	MISSION
EXHIBIT NO.	3
CASE NO.	2895

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. 2895

Order No. R- 2562

APPLICATION OF TEXACO INC.
FOR A DUAL 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 September 4, 1963, 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 _____ day of September, 1963 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, Texaco Inc., seeks authority to complete its J. B. McGhee Well No. 1, located in Unit I of Section 31, Township 24 South, Range 38 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Dollarhide-Drinkard and Dollarhide-Devonian Pools through parallel strings of 2-inch tubing, with separation of zones by a packer set at approximately 7365 feet.

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

(4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Texaco Inc., is hereby authorized to complete its J. B. McGhee Well No. 1, located in Unit I of Section 31, Township 24 South, Range 38 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Dollarhide-Drinkard and Dollarhide-Devonian Pools through parallel strings of 2-inch tubing, with separation of zones by a packer set at approximately 7365 feet.

PROVIDED HOWEVER, That the applicant shall complete, operate, and produce said well 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 applicant shall take packer-leakage tests upon completion and annually thereafter during the Gas-Oil Ratio Test Period for the Dollarhide-Devonian Pool.

(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.

TEXACO Inc.
J. B. McGhee No. 1
Crude Characteristics

Item	Drinkard	Devonian
	<u>Dollarhide Drinkard</u>	<u>Dollarhide Devonian</u>
Type Crude	Int. Sweet	Int. Sweet
Gravity	37.6	40 (Est.)
GOR (ft 3/bbl)	2500	1100 (Est.)
BHP (psi)	633	2128
Status	Pump	Pump
Corrosion	* Very Slight	None
Paraffin	** Slight	None

Note: Data above not marked "(Est.)" are actual.

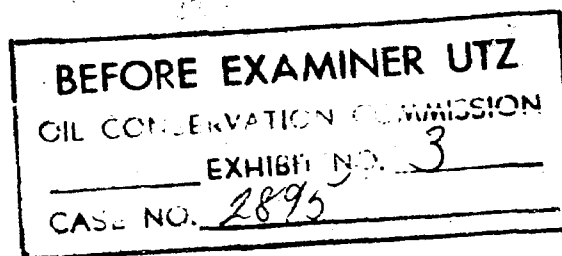
* Will inhibit as necessary by injecting inhibitor into casing-tubing annulus and circulating.

** Use scrapers on rods and pull well occasionally.

Productivity Tests:

Dollarhide Drinkard: 8-2-63 Pump 10 Bbls. oil 7 Bbls. water, GOR 2500 Oil Gravity 37.6° API

Dollarhide Devonian: 8-12-63 Swab 3 hours 12 Bbls. Oil. Presently installing pumping unit.



Case 2885

Heard 9-4-63

Res. 9-4-63

1. Grant Texaco's request for
a Dual Completion (conventional)
for their J.B. McShee #1, 1950/S +
660/E line sec. 31-245-38E in the
Dallasfield Sunkard + Devonian Pool.

2. Usual dual order.

Thos A. [Signature]

Rec'd 8:30 am
8/19/63

TEXACO
INC.

PETROLEUM PRODUCTS



DOMESTIC PRODUCING DEPARTMENT
MIDLAND DIVISION

P. O. BOX 3106
MIDLAND, TEXAS

August 14, 1963

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

Attn: Mr. A. L. Porter, Jr.

Gentlemen:

Texaco Inc. respectfully requests that a hearing be set to consider its application for a conventional dual completion for the J. B. McGhee Well No. 1. This well will be dually completed in the Dollarhide (Drinkard and Devonian) Pools, Lea County, New Mexico. Production from each zone will be through parallel strings of tubing inside 5 $\frac{1}{2}$ " casing. In support of our application, we wish to state the following facts:

1. Texaco Inc. is the operator of the J. B. McGhee Lease containing 320 acres and consisting of the S/2 of Section 31, T-24-S, R-38-E, Lea County, New Mexico.
2. The J. B. McGhee Well No. 1 is located in Unit I, said Section 31. At the present time it is a single completion in the Dollarhide (Drinkard) Pool.
3. The Devonian zone will be an oil completion through casing perforations 7440'-7705'. This zone will be produced through a string of 2" buttress tubing.
4. The Drinkard zone is an oil completion through casing perforations 6076'-6724'. This zone will be produced through a string of 2" buttress tubing.

Attached is an Application for Dual Completion and a plat of the Texaco Inc. J. B. McGhee Lease. It is respectfully requested that this application be set for hearing on the first available Examiner hearing docket.

Yours very truly,

C. R. Black

C. R. Black
Division Production Engineer

DOCKET MAILED

8/23/63
42

CRB-MM
Attach.

9834324
Libert, White
& Riddick
Case 2895
9/4/63

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name Dollarhide (Drinkard & Devonian)		County Lea	Date 8-13-63
Operator Texaco Inc.		Lease J. B. McGhee	Well No. 1
Location of Well T	Unit 31	Township 24-S	Range 38-E

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	Drinkard	Devonian
b. Top and Bottom of Pay Section (Perforations)	6076-6724	7440-7705
c. Type of production (Oil or Gas)	Oil	Oil
d. Method of Production (Flowing or Artificial Lift)	Pump	Pump

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

- NO 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.

Elliott and Hall	604 First National Bank Bldg.	Abilene, Texas
Pan American Petr. Corp.	Box 68	Hobbs, New Mexico
Skelly Oil Company	Box 38	Hobbs, New Mexico
Gulf Oil Corp.	Box 2167	Hobbs, New Mexico
Sinclair Oil & Gas Co.	Box 1470	Midland, Texas

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

CERTIFICATE: I, the undersigned, state that I am the Divn. Propr. Engr. of the Texaco 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.

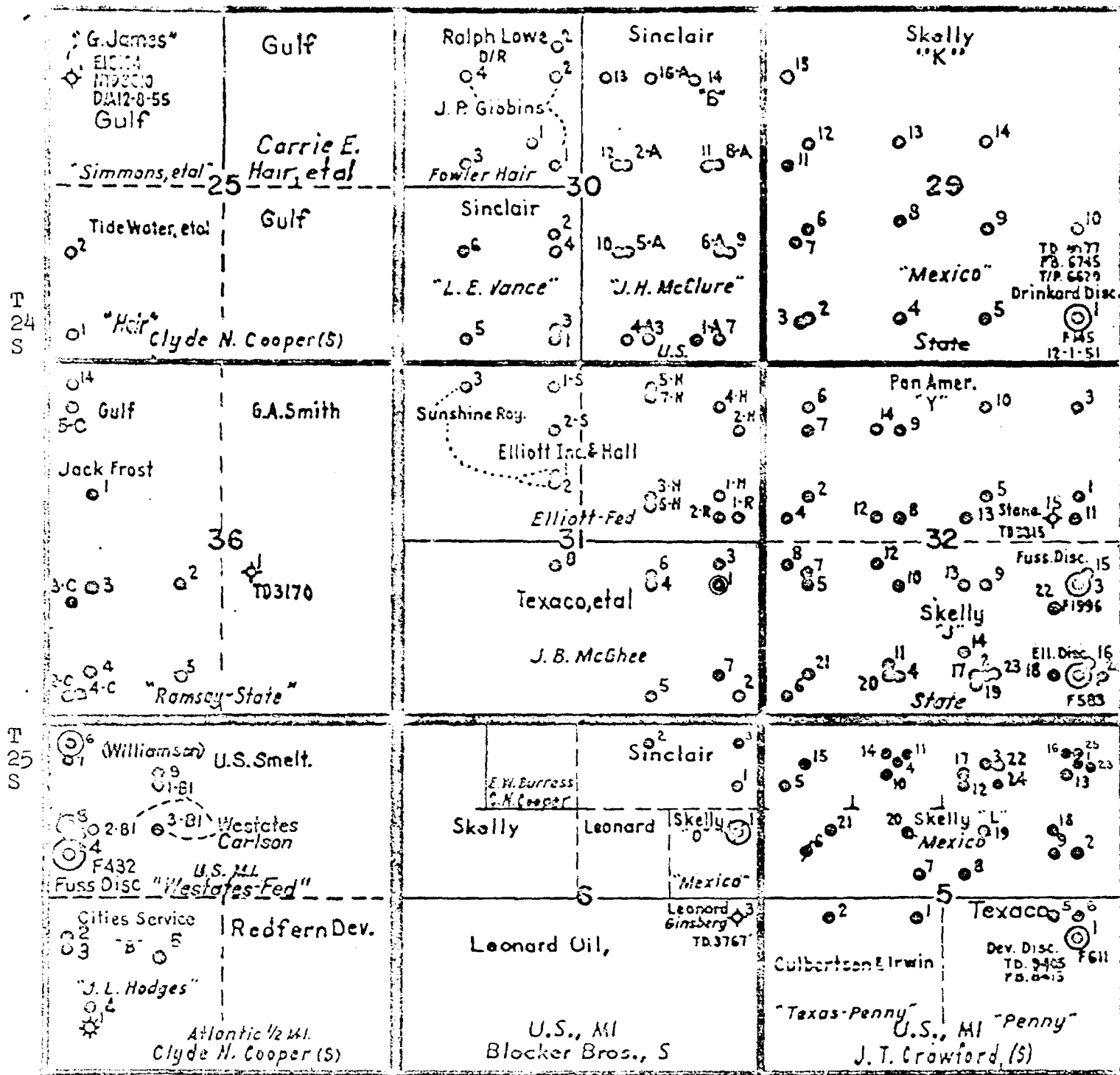
C. R. Black

Signature C. R. Black

- * 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.

R-37-E

R-38-E



OWNERSHIP PLAT
TEXACO INC.
J. B. MCGHEE LEASE
DOLLARHIDE (DRINKARD AND DEVONIAN) POOLS
LEA COUNTY, NEW MEXICO
SCALE 1" = 2000'

DOCKET: EXAMINER HEARING - WEDNESDAY - SEPTEMBER 4, 1963

9:00 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM,
STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

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

- CASE 2890: Application of S. P. Yates for an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill and complete an oil well in the Seven Rivers formation at an unorthodox location 1435 feet from the North line and 1155 feet from the East line of Section 12, Township 20 South, Range 26 East, Eddy County, New Mexico.
- CASE 2891: Application of Continental Oil Company for the creation of a new oil pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new oil pool comprising portions of Sections 30 and 31, Township 26 South, Range 32 East, Lea County, New Mexico, said pool to be designated the Battleaxe Delaware Pool.
- CASE 2892: Application of Continental Oil Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Baish Pool, Lea County, New Mexico, by the injection of water into the Yates formation through four wells located in the NE/4 of Section 21, Township 17 South, Range 32 East.
- CASE 2893: Application of Murphy H. Baxter for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order force-pooling all mineral interests in the Indian Hills Upper Pennsylvanian Gas Pool underlying all of Section 32, Township 21 South, Range 24 East, Eddy County, New Mexico.
- CASE 2894: Application of Murphy H. Baxter for an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill his Marathon State Well No. 1 at an unorthodox Indian Hills Upper Pennsylvanian location 844 feet from the North line and 473 feet from the West line of Section 32, Township 21 South, Range 24 East, Eddy County, New Mexico.
- CASE 2895: Application of Texaco Inc. for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the dual completion (conventional) of its J. B. McGhee Well No. 1, located in Unit I of Section 31, Township 24 South, Range 38 East, Lea County, New Mexico, to produce oil from the Dollarhide-Drinkard and Dollarhide-Devonian Pools through parallel strings of tubing.
- CASE 2896: Application of Texaco Inc. for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the triple com-

-2-
No. 25-63

pletion (tubingless) of its L. R. Kershaw Well No. 8, located in Unit D of Section 13, Township 20 South, Range 37 East, Lea County, New Mexico, to produce gas from the Eumont Gas Pool and oil from the Skaggs-Glorieta and East Weir-Blinbry Pools through parallel strings of tubing cemented in a common well bore.

CASE 2884:

(Continued from August 21, 1963 examiner hearing)
Application of Continental Oil Company for a pressure maintenance project, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a pressure maintenance project by the injection of water into the Dakota formation through its Table Mesa Well No. 25, located in Unit K, Section 34, Township 28 North, Range 17 West, Table Mesa Pool, San Juan County, New Mexico.

CASE 2888:

(Continued from the August 21, 1963 examiner hearing)
Application of the British American Oil Producing Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Jalmat Deep Unit Area comprising 10,568.81 acres of State land in Townships 21 and 22 South, Range 35 East, Lea County, New Mexico.

State of New Mexico
Oil Conservation Commission



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

September 11, 1963

Re: Case No. 2895 & 2896
Order No. R-2562 & R-2563
Applicant:
TEXACO INC.

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

A. L. Porter, Jr.

Carbon copy of order also sent to:

Bobbs OCC X

Artesia OCC

Astec 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. 2895
Order No. R-2562

**APPLICATION OF TEXACO INC.
FOR A DUAL 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 September 4, 1963, 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 11th day of September, 1963, 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, Texaco Inc., seeks authority to complete its J. B. McGhee Well No. 1, located in Unit I of Section 31, Township 24 South, Range 38 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Dollarhide-Drinkard and Dollarhide-Devonian Pools through parallel strings of 2-inch tubing, with separation of zones by a packer set at approximately 7365 feet.

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

(4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Texaco Inc., is hereby authorized to complete its J. B. McGhee Well No. 1, located in Unit I of Section 31, Township 24 South, Range 38 East, NMPM, Lea County, New

-2-

CASE No. 2895

Order No. R-2562

Mexico, as a dual completion (conventional) to produce oil from the Dollarhide-Drinkard and Dollarhide-Devonian Pools through parallel strings of 2-inch tubing, with separation of zones by a packer set at approximately 7365 feet.

PROVIDED HOWEVER, That the applicant shall complete, operate, and produce said well 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 applicant shall take packer-leakage tests upon completion and annually thereafter during the Gas-Oil Ratio Test Period for the Dollarhide-Devonian Pool.

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

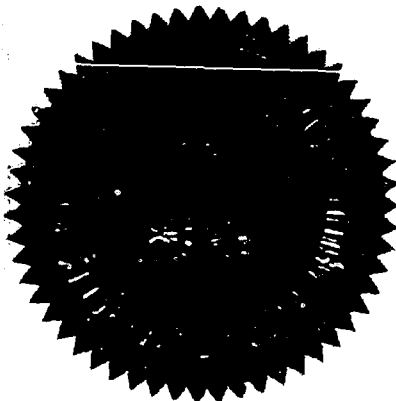
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

Jack M. Campbell
JACK M. CAMPBELL, Chairman

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

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



ESF/

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

EXAMINER HEARING

IN THE MATTER OF:

Application of Texaco Inc. for a dual com-
pletion, Lea County, New Mexico. Appli-
cant, in the above-styled cause, seeks
approval of the dual completion (conven-
tional) of its J. B. McGhee Well No. 1,
located in Unit I of Section 31, Township
24 South, Range 38 East, Lea County, New
Mexico, to produce oil from the Dollarhide
Drinkard and Dollarhide-Devonian Pools
through parallel strings of tubing.

Case No. 2895

BEFORE: Elvis A. Utz, Examiner.

TRANSCRIPT OF HEARING

September 4, 1963.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 963-3971

ALBUQUERQUE, N. M.
PHONE 243-6691

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

EXAMINER HEARING

IN THE MATTER OF:

Application of Texaco Inc. for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the dual completion (conventional) of its J. B. McGhee Well No. 1, located in Unit I of Section 31, Township 24 South, Range 38 East, Lea County, New Mexico, to produce oil from the Dollarhide Drinkard and Dollarhide-Devonian Pools through parallel strings of tubing.

Case No. 2895

BEFORE: Elvis A. Utz, Examiner.

TRANSCRIPT OF HEARING

September 4, 1963.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

ALBUQUERQUE, N. M.
PHONE 243-6891

SANTA FE, N. M.
PHONE 983-3971

FARMINGTON, N. M.
PHONE 325-1182

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6591

MR. UTZ: Case 2895.

MR. DURRETT: Application of Texaco Inc. for a dual completion, Lea County, New Mexico.

MR. WHITE: If the Examiner please, Charles White of Santa Fe, New Mexico appearing on behalf of the Applicant. We have one witness.

(Witness sworn.)

MR. UTZ: Let the record show that we asked for other appearances and there were none. You may proceed.

(Whereupon, Applicant's Exhibits 1 through 4 were marked for identification.)

C. R. BLACK

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

DIRECT EXAMINATION

BY MR. WHITE:

Q By whom are you employed and in what capacity?

A I'm employed by Texaco Inc. as Division Proration Engineer out of Midland, Texas.

Q Have you previously testified before the Commission and have your qualifications been accepted?

A Yes, sir, they have.

Q Are you familiar with the subject application?



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
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ALBUQUERQUE, N. M.
PHONE 243-6691

A Yes, sir, I am.

Q Would you briefly state the purpose of the application?

A By this application Texaco seeks approval of a dual completion, conventional-type, in the Dollarhide-Drinkard and Devonian formations for our J. B. McGhee Well No. 1.

Q What is the present status of the well?

A At the present time we are installing pumping equipment for the Devonian completion in this well, and we anticipate a potential in the very near future.

Q Will you refer to Exhibit 1 and explain it, please?

A Yes, what has been marked as Exhibit No. 1 is an ownership plat showing the area immediately surrounding the subject lease. The J. B. McGhee lease is bordered in yellow and the subject well is circled in red. Also shown are the offset operators and the wells drilled on their leases.

Q Will you give the footage location of the subject well?

A Well No. 1 is located 1980 feet from the South line and 660 feet from the East line of Section 31, Township 24 South, Range 38 East.

Q Where are the nearest completions in this area in the Devonian and Drinkard?

A In the Devonian formation the nearest completion is one location immediately north, the No. 1 "H" Well, which has been



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PHONE 243-6591

completed by Elliott and Hall, Inc., and the well is completely surrounded on four sides by Drinkard production.

Q Will you refer to your diagrammatic sketch, Exhibit 2?

A Exhibit No. 2 is a diagrammatic sketch showing the dual completion installation. The well was originally drilled in May of 1952, a 17½" hole was drilled to a total depth of 320 feet, at that point we set 13-3/8" casing and circulated cement to the surface with 300 sacks. We continued on with an 11¼" hole to 3498 and set 9-5/8" casing and cemented with a total of 2,000 sacks.

The top of the cement as determined by a temperature survey was 235 feet, or some 85 feet into the surface casing. We drilled a 7-7/8" hole to total depth of 8735, and then ran 5½" casing set at 8705 feet. We cemented with a total of 1162 sacks of cement, and actually circulate cement to the surface. So, therefore, we do have cement from total depth to the surface.

We then attempted completions in the open hole interval from 8705 to 8735 in the Ellenburger formation; however, we were unsuccessful. The well was completed as a single Drinkard producer through various perforated intervals from 6076 feet to 6724 feet.

The well continued as a Drinkard producer until July of 1963, and at that time we commenced workover operations to complete the proposed or the dual completion that has been applied for. We



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PHONE 243-6691

went in and cleaned out the well to a total depth of 7735 feet, perforated the Devonian formation from 7440 to 7610, and 7630 to 7705. We set a Baker Model D packer at 7365, and then ran a string of 2" OD buttress tubing designated as the green string on this exhibit, and set it at 7455, and this string will be used to produce the Devonian formation.

A Baker parallel latching sub was set at 6494, and we latched in the short string of 2" OD buttress tubing for the Drinkard zone into this sub. This is the physical completion of the well, and as I stated previously, we are in the process of installing pumping equipment for the Devonian zone.

Q Does that complete your testimony as to Exhibit 2?

A With regard to Exhibit 2, yes, sir.

Q What are the crude characteristics?

A Referring to what has been marked as Texaco's Exhibit 3, we have a tabulation of the crude characteristics for both of these zones. The type of crude in the Devonian is an intermediate sweet with an estimated gravity of 40 degrees, a gas-oil ratio estimated to be 1100 cubic feet per barrel, and a bottom hole pressure actually measured at 2128 psi. This well will be a pumping completion.

The Drinkard formation is an intermediate sweet type crude with a gravity of 37.6 degrees, a gas-oil ratio of 2500 to 1, and



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ALBUQUERQUE, N. M.
PHONE 243-6691

a bottom hole pressure measured at 633 psi. It also is a pumping completion.

Q Do you anticipate any paraffin or corrosion problems?

A In the Devonian we do not now anticipate any paraffin or corrosion, and in the Drinkard we anticipate slight corrosion and slight paraffin.

Q What steps will you take to solve this problem?

A We will inhibit the Drinkard area or the equipment exposed to the Drinkard production as necessary by injecting inhibitor into the casing-tubing annulus and circulating this. We will use scrapers on our rods and pull the well and cut paraffin occasionally for the Drinkard zones. This has been the procedure we have followed, since this has been a Drinkard producer already.

Q Will you give your productivity tests now?

A On August 2nd the Drinkard zone pumped 10 barrels of oil and 7 barrels of water, with a gas-oil ratio of 25 to 1, and a gravity of 37.6. I might add that during the workover we did no work whatsoever on the Drinkard zone; however, the allowable prior to workover was five barrels of oil.

The Devonian zone was swab tested on August 12, and we swabbed 12 barrels of oil in three hours, indicating a capacity of somewhere around 100 barrels a day. We did not get any indication



of the well swabbing down, so we did anticipate a pretty good capacity well in this Devonian.

Q Will you explain Exhibit 4, please?

A Exhibit 4 is a copy of the log with the tops of each zone marked in red and the perforations in each zone marked in red.

Q Mr. Black, in your opinion will the proposed installation tend to prevent waste and further the interest of conservation?

A Yes, sir, it will, because it would not be feasible economically to drill a single Devonian completion at this location.

Q Will it also protect correlative rights?

A Yes, sir, it will, in that there is a Devonian completion one location to the north of the subject well.

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

A Yes, sir, they were.

Q Is Exhibit 4 true to your knowledge, information and belief?

A To the best of my knowledge.

MR. WHITE: At this time we offer the exhibits.

MR. UTZ: Exhibits 1 through 4 will be entered into

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
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the record of this case.

(Whereupon, Applicant's Exhibits
1 through 4 were offered and
admitted in evidence.)

MR. WHITE: That concludes our direct examination.

MR. UTZ: Are there questions of the witness?

MR. DURRETT: Yes, sir, I have one question.

CROSS EXAMINATION

BY MR. DURRETT:

Q - Give me the footage location on the well again.

A 1980 feet from the South line and 660 feet from the
East line of Section 31, Township 24 South, Range 38 East. It's
a normal location in all respects.

MR. DURRETT: Thank you.

MR. UTZ: Any other questions? The witness may be

excused.
(Witness excused.)

MR. UTZ: 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 10th day of September, 1963.

Ada Dearnley
Notary Public-Court Reporter

My commission expires:

June 19, 1963.

I do hereby certify that the foregoing is a complete record of the proceedings in the hearing of Case No. 2-895, on Sept. 4, 1963.
[Signature]
Oil Conservation Commission

