

asa / No.

2265

Application, Transcript,  
and Exhibits, Etc.

2565  
CIVIL 1651. APPLICATION OF TEXACO  
FOR a triple completion of its G.  
L. Evelyn (b) MCT-2 Wall No. 1.

**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. 2365  
Order No. R-2055**

**APPLICATION OF TEXACO INC.  
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 August 30, 1961, at Santa Fe, New Mexico, before Elvis A. Uts, 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 7th day of September, 1961, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Uts, 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 permission to complete its G. L. Erwin (b) NCT-2 Well No. 1, located in Unit P, Section 35, Township 24 South, Range 37 East, NMPN, Lea County, New Mexico, as a triple completion (conventional) in undesignated Drinkard, McKee, and Ellenburger pools, with the production of oil from each pool to be through parallel strings of 2 3/8-inch tubing.
- (3) That the mechanics of the proposed installation are in accord with good conservation practices.
- (4) That approval of the subject application will neither cause waste nor impair correlative rights.

-2-

Case No. 2365  
Order No. R-2055

IT IS THEREFORE ORDERED:

(1) That the applicant, Texaco Inc., is hereby authorized to complete its G. L. Erwin (b) NCT-2 Well No. 1, located in Unit P, Section 35, Township 24 South, Range 37 East, NMPM, Lea County, New Mexico, as a triple completion (conventional) in undesignated Drinkard, McKee, and Ellenburger pools, with the production of oil from each pool to be through parallel strings of 2 3/8-inch tubing.

(2) That the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A.

(3) That packer-leakage tests shall be taken on completion of the well and annually thereafter during the gas-oil ratio test period for the Ellenburger formation.

(4) 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

*E. L. Nechem*

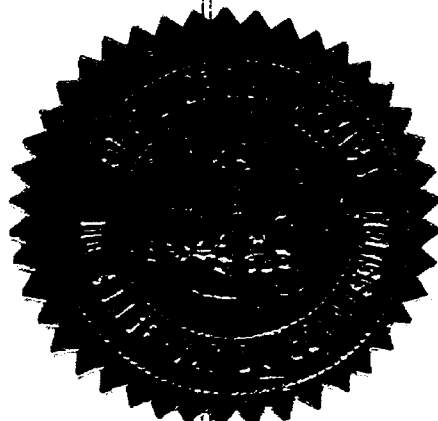
EDWIN L. NECHEM, Chairman

*E. S. Walker*

E. S. WALKER, Member

*A. L. Porter, Jr.*

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



ix/

GOVERNOR  
EDWIN L. MECHEM  
CHAIRMAN

State of New Mexico  
Oil Conservation Commission

LAND COMMISSIONER  
E. S. JOHNNY WALKER  
MEMBER



P. O. BOX 871  
SANTA FE

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

September 7, 1961

Mr. Charlie White  
Gilbert, White & Gilbert  
P. O. Box 787  
Santa Fe, New Mexico

Re: Case No. 2364, 2365, 2366 & 2369  
Order No. A-2054, A-2055, A-2056 &  
Applicant: A-2057

TEXACO AND SUEBAY

Dear Sir:

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

Very truly yours,

*A. L. Porter, Jr.*

A. L. PORTER, JR.  
Secretary-Director

ir/

Carbon copy of order also sent to:

Hobbs OCC   X  

Artesia OCC   X   (A-2057)

Aztec OCC           

OTHER

GILBERT, WHITE AND GILBERT

ATTORNEYS AND COUNSELORS AT LAW

BISHOP BUILDING

SANTA FE, NEW MEXICO

August 21, 1961

CARL H. GILBERT  
L. C. WHITE  
WILLIAM W. GILBERT  
SUMNER S. KOCH  
WILLIAM B. KELLY

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

Re: OCC Case No. 2365  
Texaco Inc., applicant  
Hearing date: August 30, 1961

Gentlemen:

Since the filing of Texaco's application for the triple completion of its G. L. Erwin (b) NCT-2 Well No. 1, the applicant has decided to complete the third zone in the Drinkard Formation rather than the Fusselman Formation.

Accordingly, we enclose the appropriate diagrammatic sketch which should be inserted in lieu of the diagrammatic sketch enclosed with our letter of August 9, 1961.

Very truly yours,



L. C. WHITE

LCW/ab  
Encl: 3

DOCKET: EXAMINER HEARING - WEDNESDAY - AUGUST 30, 1961

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:

Cases 2368 through 2372 will not be heard before 1:00 P.M.

- CASE 2359: Application of Shell Oil Company for a pilot water flood project in the Townsend-Wolfcamp Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a pilot water flood project in the Townsend-Wolfcamp Pool with water injection initially to be through the Texas Pacific Coal & Oil Company State "J" Well No. 2, located in the NE/4 SW/4 of Section 10, Township 16 South, Range 35 East, Lea County, New Mexico.
- CASE 2360: Application of Shell Oil Company for a pressure maintenance project, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a Pressure Maintenance Project in the Bisti-Lower Gallup Oil Pool in the Carson Unit Area and also in Sections 10, 15 and 22, Township 25 North, Range 12 West, San Juan County, New Mexico.
- CASE 2361: Application of Shell Oil Company for an exception to Rule 303, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 303 to permit commingling of the production from the Terry-Blinebry, Drinkard, and Hare Pools on its Taylor Glenn Lease, located in Sections 3 and 4, Township 21 South, Range 37 East, Lea County, New Mexico, and to allocate production to each pool on the basis of monthly well tests.
- CASE 2362: Application of Shell Oil Company for an exception to Rule 303, Lea County, New Mexico. Applicant, in the above styled cause, seeks an exception to Rule 303 to permit commingling of the production from the Brunson and Hare Pools on its State (Section 2) Lease located in Section 2, Township 21 South, Range 37 East, Lea County, New Mexico. Applicant further proposes to commingle the production from the Terry-Blinebry, Drinkard, Tubb and Wantz-Abo Pools on its said State (Section 2) Lease. Applicant proposes to allocate production to each pool on the basis of monthly well tests.

CASE 2363:

Application of Shell Oil Company for exceptions to Rules 303 and 309, Lea County, New Mexico. Applicant, in the above-styled cause, seeks exceptions to Rules 303 and 309 to permit commingling of the production from the Drinkard, Blinebry, and Wantz-Abo Pools and from the Brunson and Hare Pools on its Argo-Argo (A) Lease in Sections 15 and 22, Township 21 South, Range 37 East, and to commingle the production from the aforesaid pools on its Turner Lease in said Section 22, allocating the production from each pool on each of the aforesaid leases on the basis of monthly well tests. Applicant further proposes to commingle the commingled production from each lease, prior to treating, allocating the production to each lease on the basis of continuous metering and sampling.

CASE 2364:

Application of Texaco Inc. for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its A. H. Blinebry NCT-1 Well No. 14, located in Unit M, Section 28, Township 22 South, Range 38 East, Lea County, New Mexico, as a triple completion (conventional), in the South Paddock, Tubb and Drinkard Pools, the production of oil from each pool to be through parallel strings of 2 3/8 inch tubing.

CASE 2365:

Application of Texaco Inc. for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its G. L. Erwin (b) NCT-2 Well No. 1, located in Unit P, Section 35, Township 24 South, Range 37 East, Lea County, New Mexico, as a triple completion (conventional) in undesignated Fusselman, McKee and Ellenburger pools, the production of oil from each pool to be through parallel strings of 2 3/8 inch tubing.

CASE 2366:

Application of Texaco Inc. for a non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of a 198.64-acre non-standard gas proration unit in the Jalmat Gas Pool, consisting of the SW/4 NW/4 of Section 4, and the NE/4 of Section 5, all in Township 24 South, Range 37 East, Lea County, New Mexico; said unit is to be dedicated to applicant's E. D. Fanning Well No. 7, located 1980 feet from the North and East lines of said Section 5.

CASE 2367: Application of Skelly Oil Company for an unorthodox gas proration unit in the Jalmat Gas Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of a 320-acre non-standard gas proration unit in the Jalmat Gas Pool, consisting of the NE/4, NW/4 SE/4, N/2 SW/4 and SW/4 SW/4 of Section 17, Township 23 South, Range 37 East, Lea County, New Mexico; said unit is to be dedicated to the E. L. Steeler Well No. 7, located 1980 feet from the South line and 660 feet from the West line of said Section 17.

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The following cases will not be heard before 1:00 P.M.

CASE 2368: Application of Sinclair Oil & Gas Company for an exception to Rule 309, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to commingle the Devonian oil production from its C. S. Stone lease, comprising the N/2 of Section 22, from its Reed Estate Lease, comprising the SE/4 of Section 22, and from its B. D. Buckley Lease, comprising the SW/4 of Section 22, all in Township 15 South, Range 38 East, Lea County, New Mexico, after separately metering the production from each lease.

CASE 2369: Application of Sunray Mid-Continent Oil Company for a dually completed oil-producing salt water disposal well, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks permission to dually complete its State "O" Well No. 3, located in Unit O, Section 12, Township 19 South, Range 28 East, Eddy County, New Mexico, in such a manner as to permit the production of oil through tubing from perforations at 1763 feet to 2178 feet and to dispose of produced salt water through the casing-tubing annulus into the Rustler Anhydrite and Yates formation through perforations at 386 feet to 884 feet.

CASE 2370: Application of Newmont Oil Company for special rules governing its Square Lake Pool Waterflood Project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of special rules governing its Square Lake Pool Waterflood Project in Eddy County, New Mexico, to include provisions for the immediate conversion to water injection of certain wells in said project and the conversion of additional wells to water injection at later stages in the life of said waterflood project.



CASE 2371: Application of Hudson & Hudson for an unorthodox oil well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks permission to locate its Puckett "B" Well No. 19, at an unorthodox oil well location in the Maljamar (Grayburg-San Andres) Pool, 2615 feet from the South and West lines of Section 25, Township 17 South, Range 31 East, Eddy County, New Mexico.

CASE 2372: Application of Aztec Oil & Gas Company for an unorthodox oil well location and for a non-standard oil proration unit in the Cha Cha-Gallup Oil Pool, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of an 86.02-acre non-standard oil proration unit in the Cha Cha-Gallup Oil Pool, consisting of Lot 4 and the NE/4 SE/4 and SW/4 SE/4 of Section 30, Township 29 North, Range 13 West, San Juan County, New Mexico, to be dedicated to the Hagood Well No. 29-G to be located at an unorthodox location 450 feet from the South line and 3600 feet from the East line of said Section 30.

GILBERT, WHITE AND GILBERT  
ATTORNEYS AND COUNSELORS AT LAW

BISHOP BUILDING

SANTA FE, NEW MEXICO

August 9, 1961

CARL H. GILBERT  
L. C. WHITE  
WILLIAM W. GILBERT  
SUMNER S. KOCH  
WILLIAM B. KELLY

New Mexico Oil Conservation Commission  
State Land Office Building  
Santa Fe, New Mexico

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

Gentlemen:

Texaco Inc. is currently completing its G. L. Erwin (b) NCT-2 Well No. 1 located in Unit P, Section 35, Township 24 South, Range 37 East, Lea County, New Mexico. The well was drilled to a total depth of 8565 feet. It is proposed to triple complete the well in the Fusselman, McKee and Ellenburger formations. Each completion is in an undesignated pool and there are no authorized triple completions in these zones in these pools. ]

Three parallel strings of 2-3/8" OD Buttress tubing will be run in the well bore thereby permitting each individual zone to be produced through tubing.

Enclosed in triplicate is Texaco's application for the triple completion together with a plat of the G. L. Erwin (b) NCT-2 lease showing offset leases and thenames and addresses of the offset operators. A diagrammatic sketch will be submitted prior to the hearing date.

It would be appreciated if this application could be set down for the August 30th hearing.

Very truly yours,

*L. C. White*  
L. C. WHITE

LCW/ab  
Encls.

*Worked  
Mailed  
8-17-61  
[Signature]*

## NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

TRIPLE

APPLICATION FOR ~~DUAL~~ COMPLETION

Page 2365 7-3-58

Field Name		Ellenburger, McKee and Fusselman (Undesignated)		County	Lea	Date	8-7-61
Operator		TEXACO Inc.		Lease	G. L. Erwin (b) NCT-2	Well No.	1
Location of Well	Unit	Section	Township	Range			
	P	35	24-S	37-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 triple
2. If answer is yes, identify one such instance: Order No. \_\_\_\_\_ ; Operator, Lease, and Well No.:

3. The following facts are submitted:	Upper Zone	Middle Zone	Lower Zone
a. Name of reservoir	Fusselman	McKee	Ellenburger
b. Top and Bottom of Pay Section (Perforations)	6950-7200	7900-8020	8450-8500
c. Type of production (Oil or Gas)	Oil	Oil	Oil
d. Method of Production (Flowing or Artificial Lift)	Flow (Est.)	Flow (Est.)	Flow (Est.)

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

triple

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.

J. B. Frost, 2106 Tower Petroleum Building, Dallas, Texas

Parker Drilling Company, Commerce Building, Houston, Texas

Amerada Petroleum Corp., Drawer D, Monument, New Mexico

Western Natural Gas, 1006 Main St., Hobbs, New Mexico

J. C. Williamson, 608 V & J Tower, 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 \_\_\_\_\_

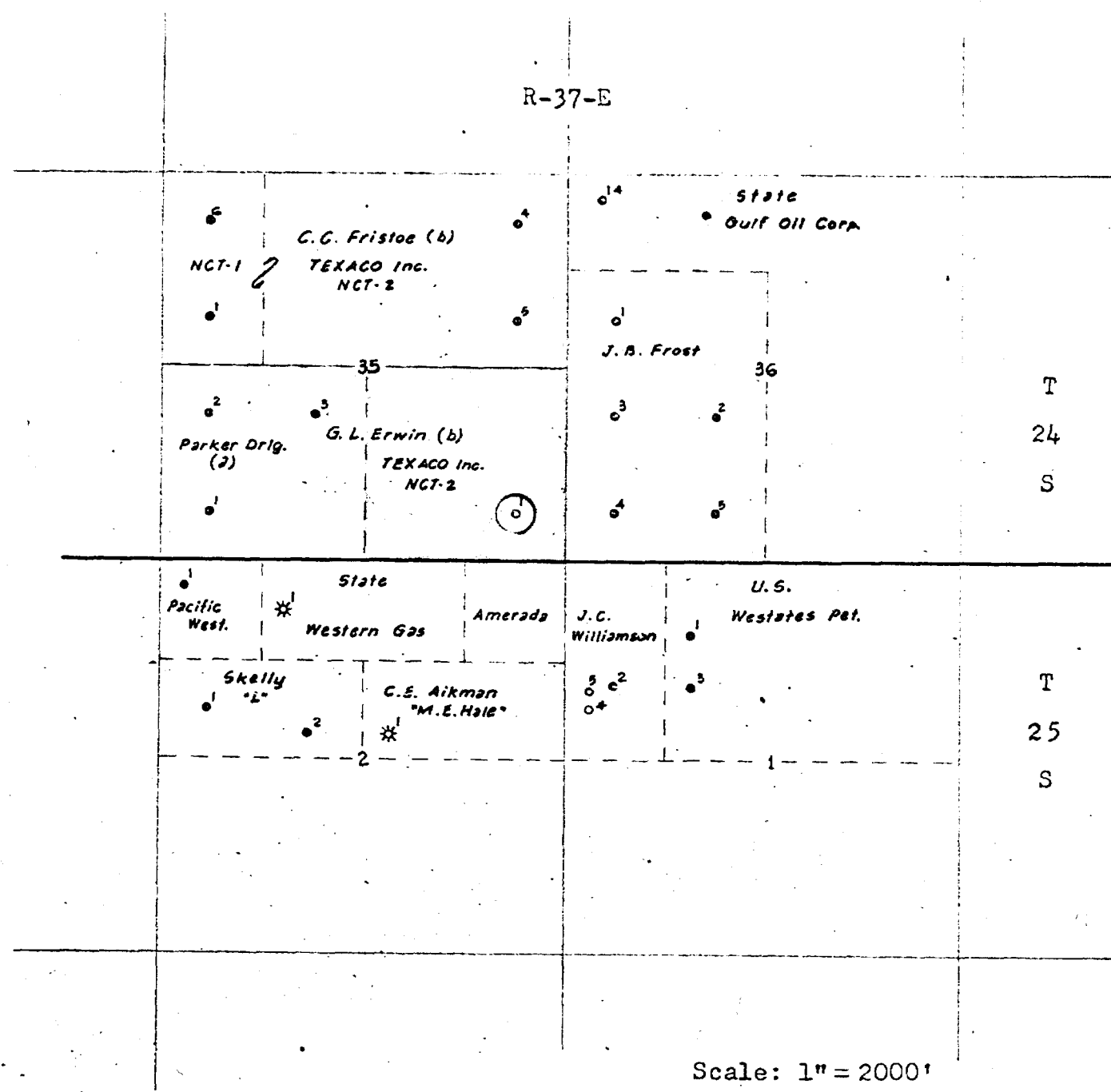
CERTIFICATE: I, the undersigned, state that I am the Asst. Division  
Proration Engineer of ~~XX~~ TEXACO Inc.

(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  
C. R. Black 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.

Plan 2365



PLAT OF TEXACO Inc. G. L. ERWIN "b" NCT-2 LEASE  
AND OFFSET LEASES  
Lea County, New Mexico  
Scale: 1" = 2000'

OFFSET OPERATORS  
J. B. Frost - 2106 Tower Petroleum Bldg. - Dallas 1, Texas  
Parker Drilling Co. - Commerce Bldg. - Houston, Texas  
Amerada - Drawer D - Monument, New Mexico  
Western Gas - 1006 Main St. - Hobbs, New Mexico  
J. C. Williamson - 608 V&J Tower - Midland, Texas

Case 2365

DIAGRAMMATIC SKETCH OF TRIPLE COMPLETION INSTALLATION

Fusselman Oil  
2 3/8" OD Buttruss  
tubing to 6950'

McKee Oil -- 2 3/8" ODBUTtruss  
tubing to 7900'.

Ellenburger Oil--2 3/8" OD  
Buttruss tubing to 8450'

13 3/8" casing at 990'. Cmt.Circ  
9 5/8" casing at 3780'. Cemented  
with 1500 sacks Incor, 4% gel,  
plus 200 sacks neat. Top cement  
at 1400'.

Top at 6950 Feet  
Name: Fusselman  
Completion this  
Zone: Oil

Parallel latching sub at 6925'

PERFORATED:

6950' - 7200'

Bottom at 7200 Feet

Baker Model "K" (Snap Set) Packer  
at 7850'

PERFORATED:

7900' - 8020'

Top at 7900 Feet

Name: McKee  
Completion this  
Zone: Oil

Bottom at 8020 Feet

Baker Model "F" Packer at 8100'

7" liner 3667' - 8564'. Bottom  
cemented with 900 sacks Incor.  
Top squeezed with 200 sacks Incor.

PERFORATED:

8450' - 8500'

Top at 8450 Feet

Name: Ellenburger  
Completion this  
Zone: Oil

Bottom at 8500 Feet

TD 8565'

COMPANY: TEXACO Inc.  
LEASE: G. L. Erwin (b). NCT-2 Well No. 1  
FIELD: Undesignated (Ellenburger, McKee, Fusselman)  
DATE: August 7, 1961

Case 2365

Heard 8-30-61

Rec. 8-31-61

1. Grant Texaco's request for a triple completion as follows:  
Upper zone - Drinkard  
Middle - M<sup>2</sup>/Kee  
Lower - Glenburger
2. Packers shall be set to adequately separate each zone from the others.
3. Use usual Multiple entry order otherwise.
4. Each zone shall be produced thru 2 7/8 O.D. Buttress tubing.

Shuart. V. L.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

ALBUQUERQUE, NEW MEXICO

PHONE CH 3-6691

PAGE

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
August 30, 1961

EXAMINER HEARING

IN THE MATTER OF:

Case No. 2365

TRANSCRIPT OF HEARING



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
August 30, 1961

EXAMINER HEARING

-----  
IN THE MATTER OF:

Application of Texaco, Inc., for a triple  
completion, Lea County, New Mexico.  
Applicant, in the above-styled cause, seeks  
permission to complete its G. L. Erwin (b)  
NCT-2 Well No. 1, located in Unit P, Section  
35, Township 24 South, Range 37 East, Lea  
County, New Mexico, as a triple completion  
(conventional) in undesignated Drinkard,  
McKee and Ellenburger Pools, the production  
of oil from each pool to be through parallel  
strings of 2 3/8 inch tubing.

Case  
2365

-----  
BEFORE:

Elvis A. Utz, Examiner

TRANSCRIPT OF HEARING

MR. UTZ: Case 2365. Application of Texaco, Inc., for  
a triple completion.

MR. WHITE: May the record show the same appearances  
and the same Witness.

MR. UTZ: The record will so show.

CHARLES ROBERT BLACK,

recalled as a Witness herein, having been previously duly sworn  
on oath, was examined and testified further as follows:

DIRECT EXAMINATION

BY MR. WHITE:

Q State what the Applicant seeks in the application.





DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

A This is the application of Texaco, Inc., to triple complete its G. L. Erwin (b) NCT-2 Well No. 1 as an oil-oil-oil triple in the Ellenburger, McKee and Drinkard Formations. Each of those zones are undesignated. Production from each zone will be through independent strings of two.

Q Since the filing of the subject application, has Texaco decided to complete the well in a different zone than the Fusselman?

A Yes, we have. We have decided to attempt completion in the Drinkard Formations rather than the Fusselman.

Q You request the application to be so-amended?

A Yes, I do, at this time.

MR. UTZ: The application will be so-amended, to change the upper completion from Fusselman to Drinkard.

Q (By Mr. White) Now, will you refer to Exhibit 1, please. What is the status of this well at the present time?

A Presently each zone has been potential tested, and Texaco is in the process of preparing the packer leakage test for submission to the Conservation Commission Service.

Q Now, refer to Exhibit 1, and explain your ownership plat.

A Exhibit No. 1 is an ownership plat showing the location of the subject well. The well is located 660 feet from the south and east lines of Section 35, Township 24 South, Range 37 East, Lea County, New Mexico. The Texaco G. L. Erwin (b) NCT-2 Lease is bordered in yellow, and the subject well is circled in red.



Also shown on the plat are all offset operators and their wells, and at the bottom of the exhibit is a list of the direct offset operators and the mailing addresses of each.

Q Is there any other well in this area completed or being completed?

A In these zones, the J. C. Williamson West States Well No. 5 is currently completing in the Drinkard Zone. However, there are no other wells in the immediate vicinity that are completed in the Ellenburger or the McKee Zone.

Q Now, refer to and explain Exhibit No. 2.

A Exhibit No. 2 is a diagrammatic sketch of the proposed triple completion installation.

Q When was this prepared?

A This sketch was prepared after the well reached total depth and before any formations were actually perforated.

Q Are there any changes that you wish to make to this Exhibit?

A Yes. The actual perforated intervals are available at this time. In the Ellenburger Zone, the actual perforations are from 8,458 to 8,482. In the McKee Zone, the actual perforations are from 7,928 to 7,941; from 7,973 to 8,014. And in the Drinkard Formation, the actual perforations are from 5,958 to 5,964; 5,990 to 4,009; 6,026 to 6,040.

Q What are the estimated crude characteristics as to each zone? First, go through the mechanics.

DEARNLEY-MEYER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CM 3-6691

ALBUQUERQUE, NEW MEXICO

A A 17 1/2-inch hole was drilled to 990 feet, and a 13 3/8 casing was set at that depth, and cement was circulated to the surface. A 12 1/4-inch hole was drilled to 5,780 feet, and 9 5/8 casing was set at that depth and cemented with 1,500 sacks of Encore, 4% jel was 200 sacks of neat cement. The top of the cement was found to be at 1,400 feet. A 8 3/4-inch hole was drilled to a total depth of 8,565 feet, and a 7-inch liner was set from 3,667 feet to 8,564 feet, and cemented with 900 sacks of Encore Cement, and 200 sacks of Encore Cement were squeezed around the top of the liner. A cement bond log was run throughout the liner, and it was found that there was a good bond throughout the entire length of the 7-inch liner.

Concerning the crude characteristics, the Ellenburger Formation was perforated from 8,458 to 8,452, and on potential test ending August 27, 1961, this formation flowed 157 barrels of oil through an eighteen sixty-fourths inch choke in 24 hours, with a tubing pressure of 125 PSI. The Ellenburger Oil is a 46.5-degree gravity crude. It is an intermediate sweet crude, and the reservoir pressure is estimated to be 2,890 PSI. This is based on drill stem test data. The GOR was 976 cubic feet per barrel, and it is estimated that this zone will flow five to six years.

The McKee formation was perforated from 7,928 to 7,941, and 7,983 to 8,014; and on potential tests ending August 28, 1961, this zone flowed 148 barrels of oil to a twelve sixty-fourths inch choke in sixteen hours, with a tubing pressure of 1,300 PSI. The



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

McKee Oil is a 46.5-degree API gravity crude. It is an intermediate sweet crude with a producing GOR of 1,388 cubic feet per barrel. The reservoir pressure is estimated to 3,265 PSI. Again, this is based on drill stem test data, and it is anticipated that this zone will flow for five to six years.

The Drinkard Formation was perforated from 5,958 feet to 5,964; 5,990 to 6,008; 6,026 to 6,040; and on potential test ending August 29, 1961, it flowed 139 barrels of oil in fourteen hours through a fourteen sixty-fourths inch choke with a tubing pressure of 400 pounds. The Drinkard Oil is a 37.5-degree gravity intermediate sweet crude, with a producing GOR of 741 cubic feet per barrel. The reservoir pressure is estimated to 2,860 PSI based on drill stem data, and it is anticipated that this zone will flow for two to three years.

Q Will your installation be such that any one of those three zones can be pumped if and when necessary?

A Yes, it is; and when it is necessary, any or all of these zones may be pumped.

Q Do you anticipate any corrosion or paraffin problems?

A We do not anticipate corrosion or paraffin problems for any of these three zones that this well is to be completed in.

Q Now, explain the downhole equipment, please.

A Three strings of 2 3/8-inch OD buttress tubing. The short string will be run to approximately 5,950 feet. The middle string will be at approximately 7,900 feet. And the long string



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

will be to approximately 8,450 feet. A barrel latching sub has been set at 599 feet. A Baker Model K snapset packer has been set at 7,841 feet, and a Baker Model D packer -- F packer, excuse me. There is one other amendment that should be made on this. This was a Baker Model D packer, rather than a Baker Model F packer -- and it was set at 8,100 feet.

Q Is that a permanent packer?

A That is a permanent-type packer.

Q Now, refer to Exhibit 3, and explain that, please.

A Exhibit No. 3 is an induction lateral log on the subject well.

Q Are your notes also on that?

A The pertinent data is marked in red on this Exhibit.

MR. UTZ: That will be satisfactory.

MR. WHITE: That concludes our testimony, and we offer, at this time, Exhibits 1 through 3.

MR. UTZ: Without objection, Exhibits 1 through 3 will be entered into the record.

(Whereupon, Applicant's Exhibits Nos. 1, 2, 3, received in evidence.)

Are there any other questions of this Witness. The Witness may be excused. Are there any statements in this case? The case will be taken under advisement.

(Whereupon, the Hearing of Case No. 2365, was concluded.)



STATE OF NEW MEXICO

COUNTY OF BERNALILLO

ss

I, Michael P. Hall, Court Reporter, 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 machine shorthand and reduced to typewritten transcript under my personal supervision, and that the same is a true and correct record to the best of my knowledge, skill and ability.

*Michael P. Hall*  
NOTARY PUBLIC

My commission expires:

June 20, 1965

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2365, heard by me on 8-3-61, 1961.

*Musta J. P.*  
Examiner  
New Mexico Oil Conservation Commission

DEARNLEY-MEIER REPORTING SERVICE, Inc.

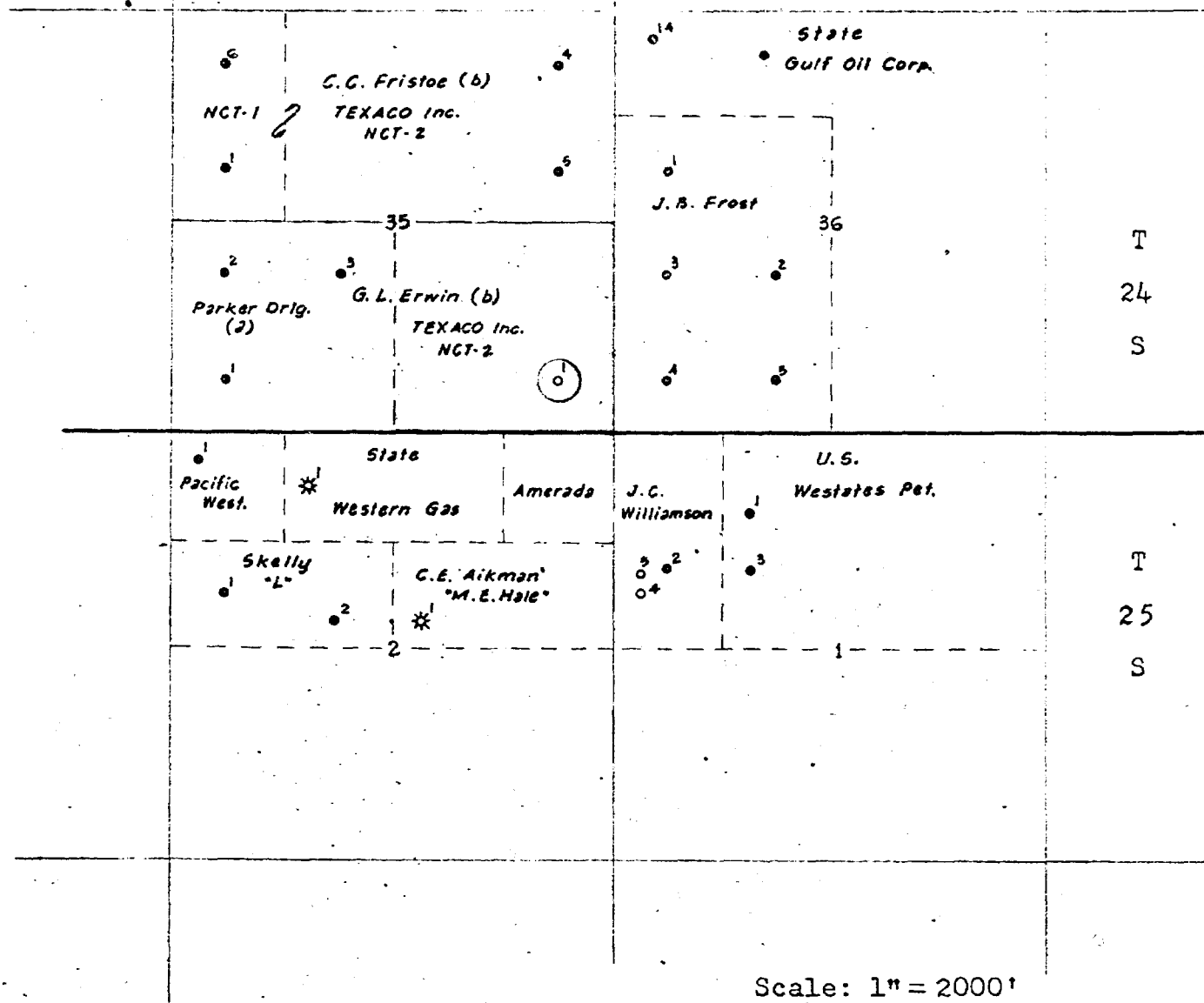
PHONE CM 3-6691

ALBUQUERQUE, NEW MEXICO

BEFORE EXAMINER UTZ  
OIL CONSERVATION COMMISSION

EXHIBIT NO. 1  
CASE NO. 2365

R-37-E

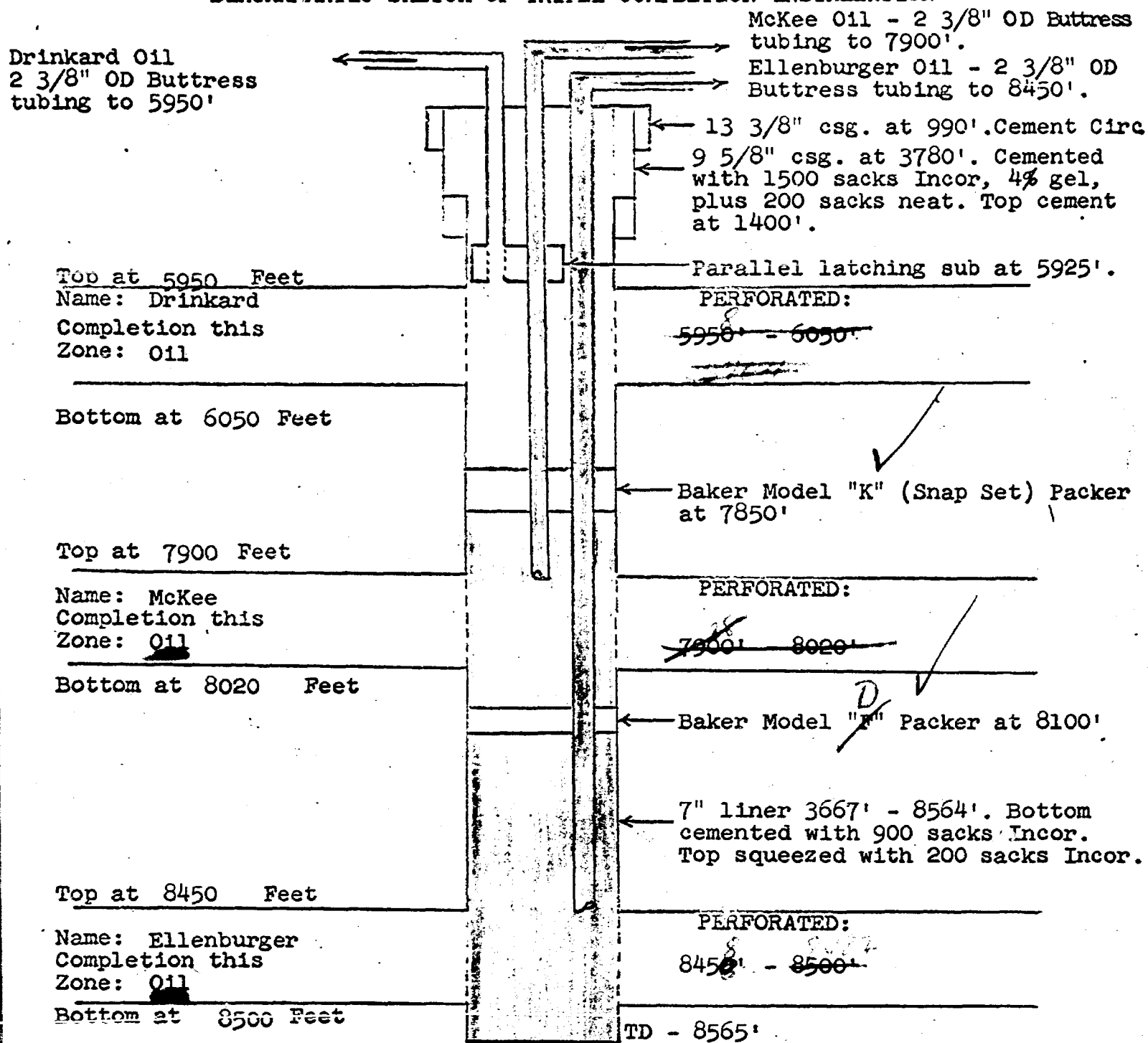


PLAT OF TEXACO Inc. G. L. ERWIN "b" NCT-2 LEASE  
AND OFFSET LEASES  
Lea County, New Mexico  
Scale: 1" = 2000'

OFFSET OPERATORS

J. B. Frost - 2106 Tower Petroleum Bldg. - Dallas 1, Texas  
Parker Drilling Co. - Commerce Bldg. - Houston, Texas  
Amerada - Drawer D - Monument, New Mexico  
Western Gas - 1006 Main St. - Hobbs, New Mexico  
J. C. Williamson - 608 V&J Tower - Midland, Texas

# DIAGRAMMATIC SKETCH OF TRIPLE COMPLETION INSTALLATION



COMPANY: TEXACO Inc.  
 LEASE: G. L. Erwin (b) NCT-2 Well No. 1  
 FIELD: Undesignated (Ellenburger, McKee, Drinkard)  
 DATE: August 16, 1961

BEFORE EXAMINER UTZ  
 OIL CONSERVATION COMMISSION  
 EXHIBIT NO. 2  
 CASE NO. 2365