

CASE 2941: Application of TEXACO
for a triple completion of its
L. R. KERSHAW WELL NO. 9.

CASE No.
2941

Application,
TRANSCRIPTS,
SMALL Exhibits
ETC.

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date 11/22/63

CASE 2941

Hearing Date 9 am 11/30/63

DSN @ SF

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

Enter an order authorizing TEXACO
Inc to finally complete its
L.R. Kershaw Well No 9, located in
B-13-205-31E to produce oil
from the East Weir - Blinkey ^{Pool} and ~~Pool~~
~~Pool~~ an undesignated Tubo Oil
Pool through parallel strings of 2 3/8"
casing cemented in a common
well bore.

Include finding that original
application was for approval of
a triple completion to produce
from the Glorieta, Blinkey, and
Tubo formations, but the Glorieta
was found to be non-productive
and the application amended
at the hearing

Take segregation tests
upon completion and
during Annual GOR
test for Tubo zone

Handwritten Signature
Staff Member

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

5-1-61

APPLICATION FOR MULTIPLE COMPLETION

Operator TEXACO Inc.		County Lea		Date November 14, 1963
Address Box 728, Hobbs, New Mexico		Lease L. R. Kershaw		Well No. 9
Location of Well	Unit B	Section 13	Township 20-S	Range 37-E

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	Weir, E. (Blinberry)		Weir (Tubb) Gas
b. Top and Bottom of Pay Section (Perforations)	5761, 5799, 5815, 5833, 5845, 5864		6439, 6447, 6467, 6498, 6505, 6513, 6521
c. Type of production (Oil or Gas)	Oil		Gas oil
d. Method of Production (Flowing or Artificial Lift)	Flow		Flow

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.
- No 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.

Continental Oil Company-Box 68-Eunice, New Mexico

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 Dist. Superintendent 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.

W. B. Hubbard
W. B. Hubbard 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 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.

24-17
Case 2941

TEXACO
INC.

MAIN OFFICE OCC

1963 OCT 31 AM 8:37

PETROLEUM PRODUCTS



DRAWER 728

HOBBS, NEW MEXICO 88240

October 31, 1963

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

Re: Application for Triple Tubingless
Completion, L. R. Kershaw Well No.
9, Lea County, New Mexico.

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

Gentlemen:

Attached is Texaco's Application for triple tubingless completion for the L. R. Kershaw Well No. 9, located 760 feet from the north line and 1900 feet from the east line, Unit B, Section 13, T-20S, R-37E, Lea County, New Mexico. Texaco plans to complete this well as a triple tubingless oil completion in the Skaggs (Glorieta), Weir, East (Blinbry) and Weir (Tubb Gas) Pools. It is anticipated that all zones will flow initially. Approval has been granted previously by the New Mexico Oil Conservation Commission for these zones in Texaco Inc.'s C. H. Weir "A" Well No. 8, Skaggs (Glorieta), East Weir (Blinbry) and Skaggs (Drinkard) and M. B. Weir "B" Well No. 7, Weir (Tubb Gas) and Skaggs (Drinkard).

Also attached is a copy of the plat showing the area immediately surrounding Texaco's L. R. Kershaw Lease and a diagrammatic sketch of the proposed triple tubingless completion. It is respectfully requested that Texaco Inc. be granted administrative approval for this application as provided for under Rule 112-A.

Yours very truly,


J. G. Blevins, Jr.
Assistant District Supt.

WPY-bh
CC: NMOCC, Hobbs
Offset Operator

Attachments

DOCKET MAILED

Date 11-8-63


NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

5-1-61

APPLICATION FOR MULTIPLE COMPLETION

2941

Operator TEXACO Inc.		County Lea	Date October 31, 1963
Address Box 728-Hobbs, New Mexico		Lease L. R. Kershaw	Well No. 9
Location of Well B	Section 13	Township 20-S	Range 37-E

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 ☐

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

~~TEXACO Inc. C. H. Weir "A" Well No. 8, Skaggs (Glorieta), Weir, E. (Blinbry) & Skaggs (Drinkard) Order NC-1186 and M. B. Weir "B" Well No. 7, Tubb (Gas) and Skaggs (Drinkard)~~

3. The following facts are submitted:

	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Skaggs Glorieta	Weir, E. (Blinbry)	Weir (Tubb Gas)
b. Top and Bottom of Pay Section (Perforations)	Est. 5240-5250'	Est. 5800-5850'	Est. 6350-6370'
c. Type of production (Oil or Gas)	Oil	Oil	Gas
d. Method of Production (Flowing or Artificial Lift)	Flow	Flow	Flow

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.

No 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.*

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.

Continental Oil Company - Box 68 - Eunice, New Mexico

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☒ NO ☐. If answer is yes, give date of such notification October 31, 1963 (By Registered Mail)

CERTIFICATE: I, the undersigned, state that I am the Asst. Dist. Superintendent 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.

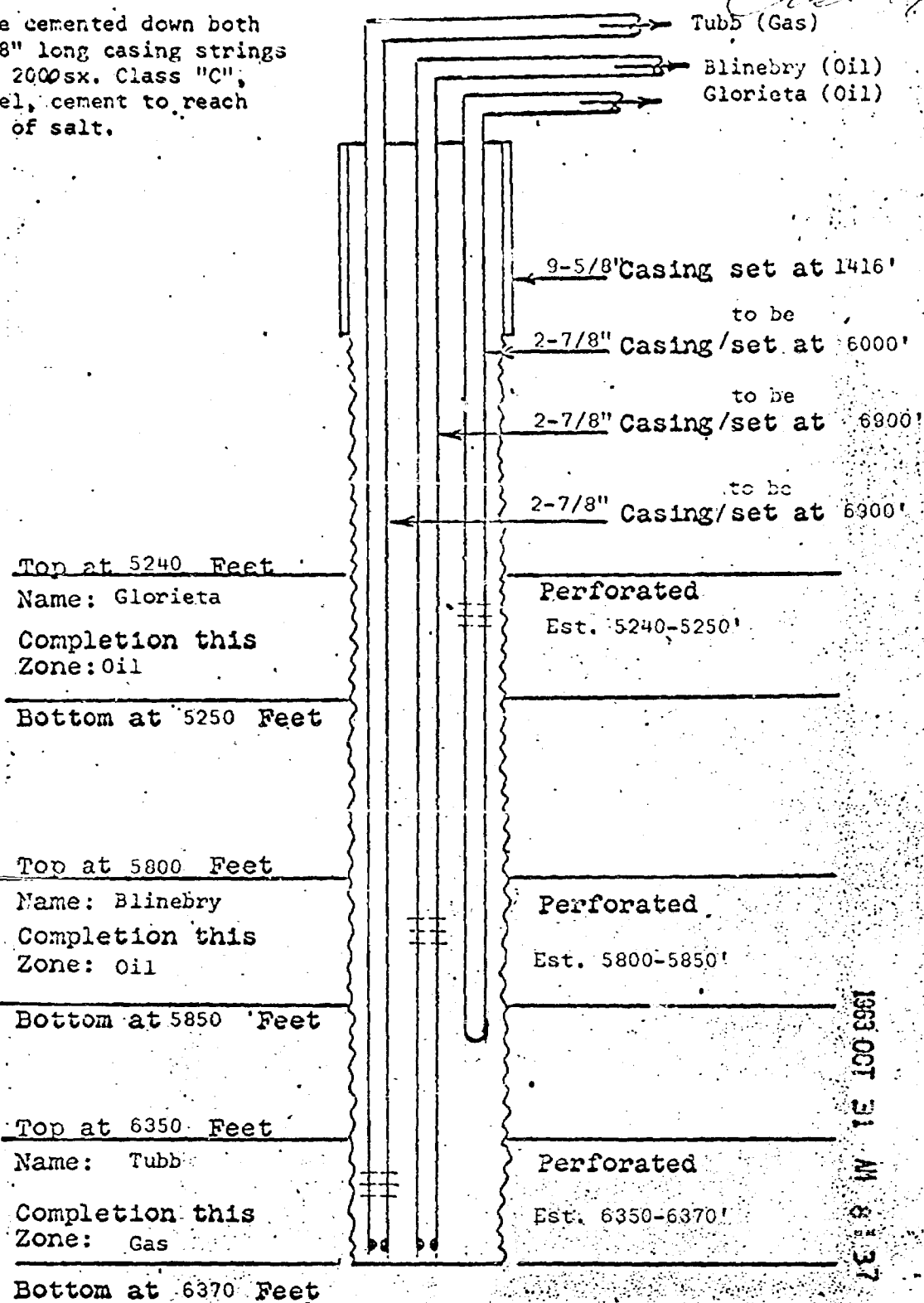
Signature J. G. Blevins, Jr.

* 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.

DIAGRAMMATIC SKETCH OF TRIPLE COMPLETION INSTALLATION (TUBINGLESS)

NOTE: To be cemented down both
2-7/8" long casing strings
with 2000sx. Class "C",
4% Gel. cement to reach
base of salt.



TEXACO Inc.

LEASE: L. R. Kershaw Well No. 9
FIELD: Skaggs (Glorieta), Weir (Tubb Gas) & Weir, East (Blinebry)
DATE: October 31, 1963

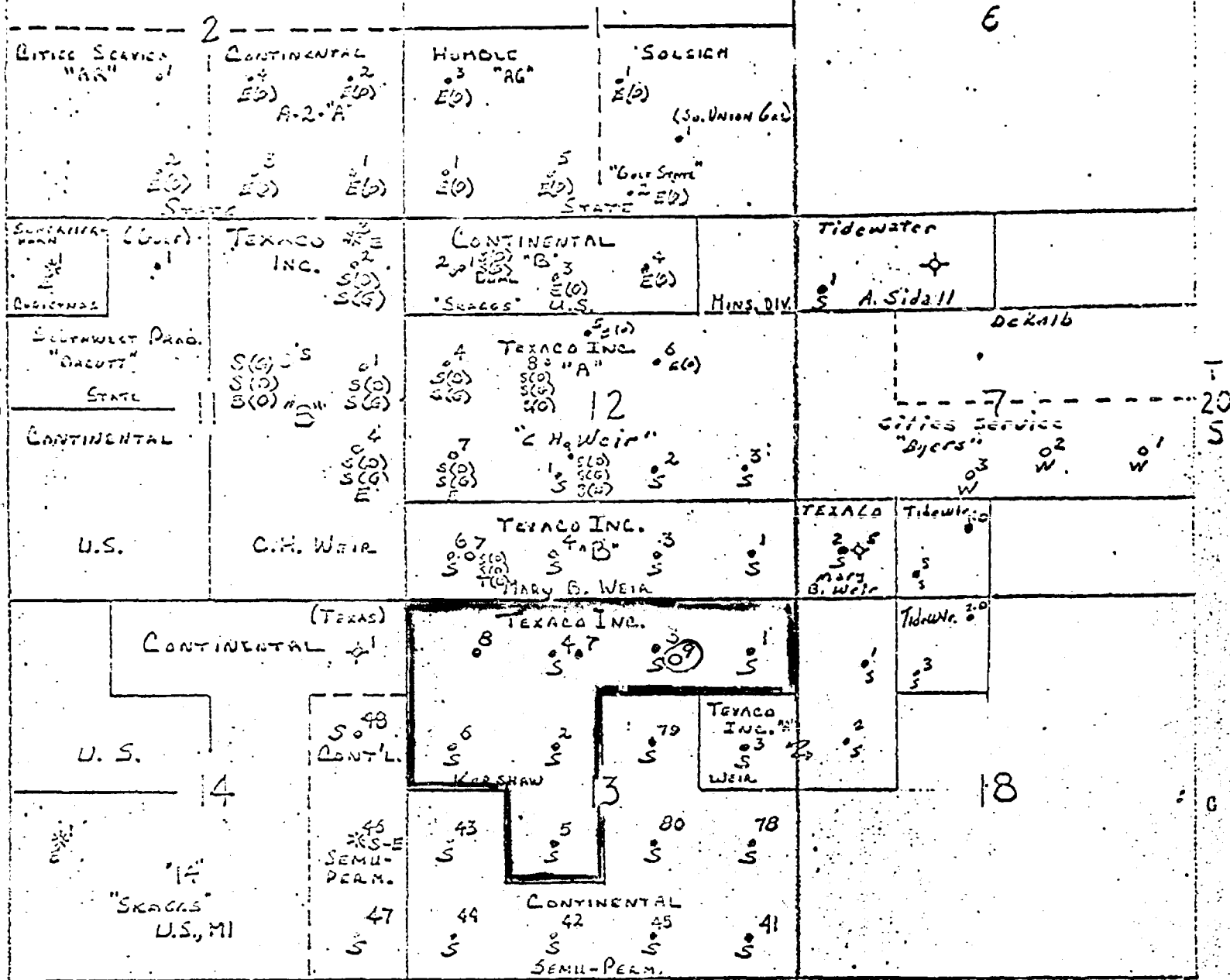
1963 OCT 31 AM 8:37

MAIN OFFICE OCC

R-37-E

R-38-E

6



R-37-E

R-38-E

Plat of TEXACO Inc.
L. R. Kershaw Lease
Lea County, New Mexico.
Scale: 1" = 2000'

LEGEND (Pools)

- S - Skaggs
- S(D) - Skaggs Drinkard
- S(O) - Skaggs Clorieta
- E - Eumont Gas
- E(O) - Eumont Oil
- W - Warren McKee
- B(O) - East Weir Blinebry
- B(C) - Blinebry Gas (Undesignated)
- T(C) - Tubb Gas (Undesignated)

OFFSET OPERATORS

Continental Oil Co., Box 68, Eunice, N. Mex.

LE 19 W 15 100 1991

MAIN OFFICE 000

2941

OIL CONSERVATION COMMISSION

NOV 7 1963

HOBBS, NEW MEXICO

DATE 11/4/63

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

Re: Proposed NSP _____

Proposed NSL _____

Proposed NFO _____

Proposed DC _____

Gentlemen:

Triple X

I have examined the application dated 10/31/63

for the Texaco, Inc. L. R. Kershaw #9-B 13-20-37
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

Multiple & Tubingless O.K. --- E.F.E.

Top Blinchry @ ± 5780. Top Tubb @ 6305. O.K. --- J.W.R.

Yours very truly,

OIL CONSERVATION COMMISSION

TEXACO INC.
L. R. Kershaw Well No. 9
Crude Characteristics

Blinebry Formation
WEIR, E. BLINEBRY POOL

ITEM

Type Crude
Gravity ($^{\circ}$ API)
BHP (psi)
GOR (cu. ft./bbl)
Status
Corrosion
Paraffin

Int. Sweet
41
2350
700
Flow
None
None

Tubb Formation
WEIR (TUBB) POOL

Distillate Int. Sweet
~~64~~ 37.1
2500
~~46500~~ 2519
Flow
None
None

Note: Above data estimated from previous completions
in area and from data obtained thus far in
Tubb Formation in L.R. Kershaw Well No. 9

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Texaco EXHIBIT NO. 3
CASE NO. 2941

DIAGRAMATIC SKETCH SHOWING DUAL COMPLETION INSTALLATION (TUBINGLESS)

Note: 2 7/8" production strings were cemented with 2080 sx. Cl. "C"; 4% gel. Volume of cement used equals 2.6 times calculated volume to reach base of salt at 2540'.

Centralizers on each joint of each 2 7/8" casing string as follows:
 5200-5400'
 5600-6000'
 6300-6550'
 6700- TD

Top at 5761 Feet

Name: Blinebry

Completion this zone: Oil

Bottom at 5864 Feet

Perforated: One shot per depth
 5761, 5799, 5815, 5833, 5845, 5864

Top at 6439

Name: Tubb

Completion this zone: Gas

Bottom at 6521 Feet

Perforated: One shot per depth 6439,
 6447, 6467, 6498, 6505, 6513, 6521

TD=6880'

TEXACO Inc.

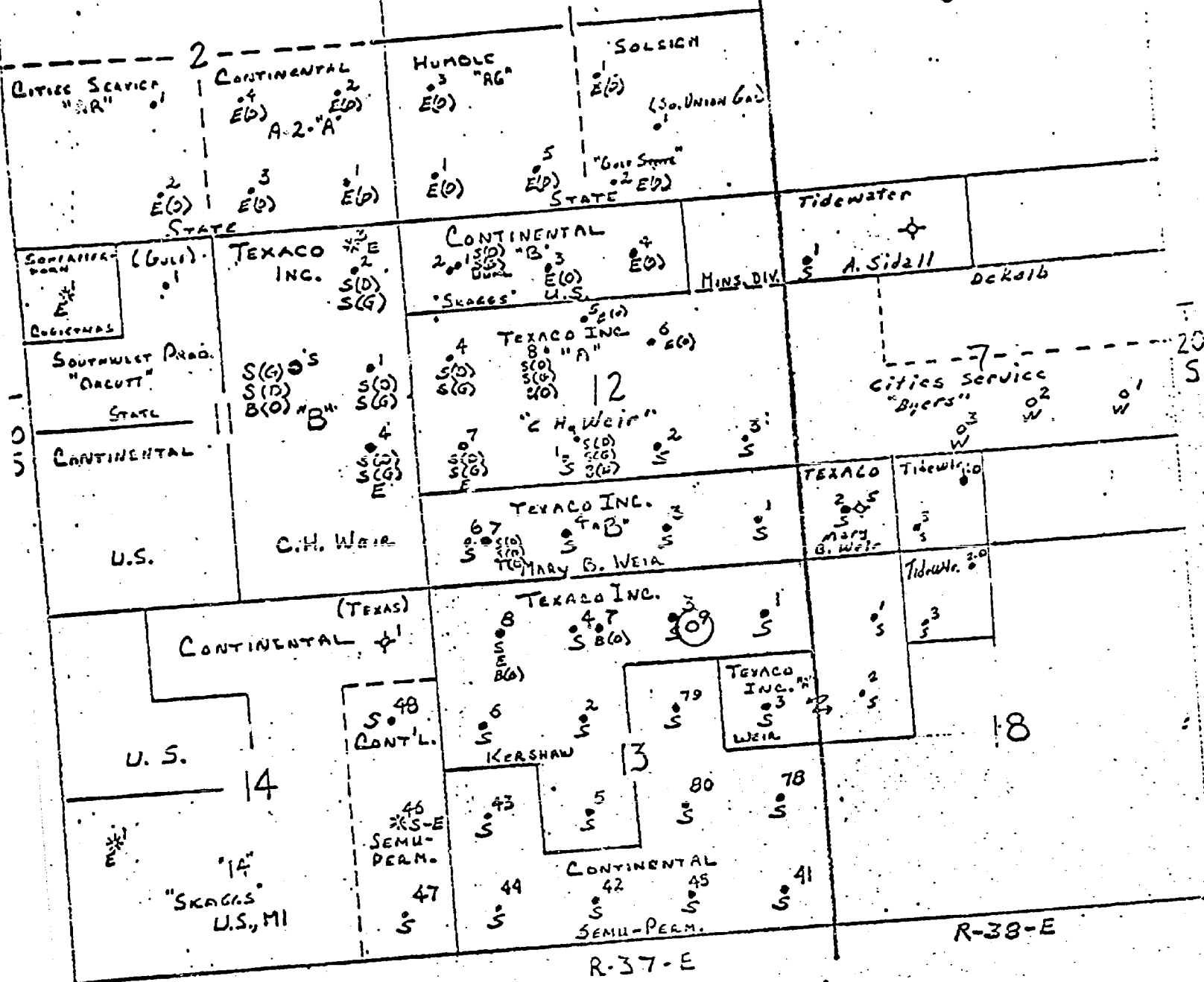
LEASE: L. R. Kershaw Well no. 9
 FIELD: Weir E. (Blinebry) and Weir (Tubb) Gas
 DATE: 11-14-63

BEFORE EXAMINER NUTTER
 OIL CONSERVATION COMMISSION
 TEXACO EXHIBIT NO. 2
 CASE NO. 2941

R-37-E

R-38-E

6



Plat of TEXACO Inc.
L. R. Kershaw Lease
Lea County, New Mexico.
Scale: 1" = 2000'

OFFSET OPERATORS

Continental Oil Co., Box 68, Eunice, N. Mex.

LEGEND (Pools)

- S - Skaggs
- S(D) - Skaggs Drinkard
- S(G) - Skaggs Glorieta
- E - Eumont Gas
- E(O) - Eumont Oil
- W - Warren McKee
- B(O) - East Weir Blinbry
- B(G) - Blinbry Gas (Undesignated)
- T(G) - Tubb Gas (Undesignated)

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 1
CASE NO. 2941

DOCKET: EXAMINER HEARING - WEDNESDAY - NOVEMBER 20, 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 Daniel S. Nutter, Examiner, or
Elvis A. Utz, Alternate Examiner:

- CASE 2939: Application of Texaco Inc. for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Square Lake 31 Unit Area comprising 480 acres, more or less, of Federal land in Section 31, Township 16 South, Range 30 East, Eddy County, New Mexico.
- CASE 2940: Application of Texaco Inc. for a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Square Lake Pool, Eddy County, New Mexico, by the injection of water into the Premier Sand through six wells located in Section 31, Township 16 South, Range 30 East.
- CASE 2941: Application of Texaco Inc. for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the triple completion (tubingless) of its L. R. Kershaw Well No. 9, located in Unit B of Section 13, Township 20 South, Range 37 East, Lea County, New Mexico, to produce oil from the Skaggs Glorieta and East Weir Blinebry Pools and gas from the Weir Tubb Gas Pool through parallel strings of 2 7/8 inch casing cemented in a common well bore.
- CASE 2942: Application of Sunray DX Oil Company for the creation of a new oil pool and for special temporary pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Bough "C" Oil Pool for its New Mexico State "AO" Well No. 1, located in Unit M of Section 16, Township 10 South, Range 34 East, Lea County, New Mexico, and the establishment of temporary pool rules therefor, including a provision for 160-acre proration units and for fixed well locations.
- CASE 2943: Application of Gulf Oil Corporation to combine two existing gas pools, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the consolidation of the Monument-Ellenburger and Monument-McKee Gas Pools, Lea County, New Mexico, into a single pool to be operated and prorated under the existing rules for the Monument-McKee Pool.

PAGE -2-

Docket No. 34-63

CASE 2944:

Application of Socony Mobil Oil Company for an unorthodox location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of an unorthodox location for a proposed triple completion in the Vacuum-Devonian, Vacuum-Wolfcamp and North Vacuum-Abo Pools, Lea County, New Mexico, said well to be drilled at a point 600 feet East of the center of the NW/4 SW/4 of Section 36, Township 17 South, Range 34 East.

Oil Conservation Commission

ir/

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. 2941
Order No. R-2610

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 November 20, 1963, at Santa Fe, New Mexico, before Daniel S. Nutter, 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 6th day of December, 1963, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, 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 L. R. Kershaw Well No. 9, located in Unit B of Section 13, Township 20 South, Range 37 East, WMPM, Lea County, New Mexico, as a dual completion (tubingless) to produce oil from the East Weir-Blinebry Pool and an undesignated Tubb oil pool through parallel strings of 2 7/8-inch casing cemented in a common well bore.

(3) That the applicant originally made application in this case to complete the subject well as a triple completion (tubingless) to produce oil from the Skaggs-Glorieta and East Weir-Blinebry Pools and gas from the Weir-Tubb Gas Pool; that the Skaggs-Glorieta Pool was found to be non-productive prior to the hearing; and that the application was amended at the hearing to seek approval of a dual completion as set out above.

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

-2-

CASE No. 2941
Order No. R-2610

(5) 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 L. R. Kershaw Well No. 9, located in Unit B of Section 13, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico, as a dual completion (tubingless) to produce oil from the East Weir-Blinbry Pool and an undesignated Tubb oil 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 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 zone segregation tests upon completion and annually thereafter during the Gas-Oil Ratio Test Period for the Tubb oil zone.

(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

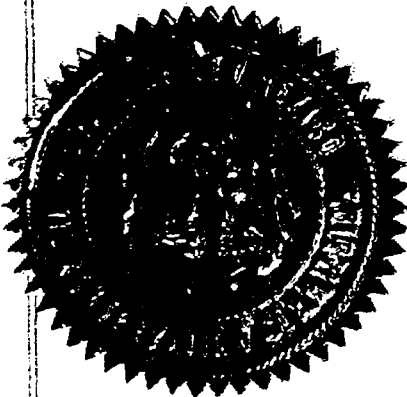
JACK M. CAMPBELL, Chairman

E. S. Walker

E. S. WALKER, Member

A. L. Porter, Jr.

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



esr/

GOVERNOR
JACK M. CAMPBELL
CHAIRMAN

State of New Mexico
Oil Conservation Commission



P. O. BOX 871
SANTA FE

December 6, 1963

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

LAND COMMISSIONER
E. S. JOHNNY WALKER
MEMBER

Mr. Charlie White
Gilbert, White & Gilbert
Attorneys at Law
Post Office Box 787
Santa Fe, New Mexico

Re: Case No. 2941
Order No. R-2610
Applicant:
TEXACO INC.

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

ix/

Carbon copy of order also sent to:

Hobbs OCC x

Artesia OCC

Astec OCC

OTHER

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
November 20, 1963

EXAMINER HEARING

IN THE MATTER OF:

Application of Texaco, Inc., for a triple com-
pletion, Lea County, New Mexico.

Case No. 2941

BEFORE: DANIEL S. NUTTER, EXAMINER

TRANSCRIPT OF HEARING

DEARNLEY-MEIER REPORTING SERVICE, Inc.

SAN ANTONIO, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3371

ALBUQUERQUE, N. M.
PHONE 243-6691



BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
November 20, 1963

EXAMINER HEARING

IN THE MATTER OF:

Application of Texaco, Inc. for a
triple completion, Lea County, New
Mexico.

CASE NO. 2941

BEFORE: DANIEL S. NUTTER, EXAMINER

TRANSCRIPT OF HEARING

MR. NUTTER: Call Case 2941.

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

MR. WHITE: If the Examiner please, may the record
show the same appearances and the witness has been sworn.

MR. NUTTER: Yes, sir.

D. M. WILLIAMS,
called as a witness herein, having been previously sworn, was
examined and testified as follows:

DIRECT EXAMINATION

BY MR. WHITE:

DEARNLEY, MEIER, WILKINS and CROWNOVER

General Court Reporting Service

Suite 1120 Simms Building Albuquerque, New Mexico Phone 243-6691



DEARNLEY, MEIER, WILKINS and CROWNOVER

General Court Reporting Service

Suite 1120 Simms Building Albuquerque, New Mexico Phone 243-6691

MR. WHITE: If the Examiner please, we originally filed an application for triple completion to produce from the Skaggs Glorieta and the East Weir Blinebry Pools and gas from the Weir Tubb Gas Pool. Subsequent to the filing of the application, it was proved that the Glorieta was not commercially productive. Instead of having a triple completion, we wish to change the application or amend it, to a dual. And yesterday we learned that the zone in the Weir Tubb gas pool is oil productive, rather than gas. So, at this time, we would like to amend our application to conform with what we propose to do.

MR. NUTTER: You are amending this application, Mr. White, from a triple completion in the Skaggs Glorieta and East Blinebry Pool and gas in the Weir Tubb to a dual completion in the East Weir Blinebry and Weir Tubb Gas Pool, both zones would be oil productive?

MR. WHITE: Yes, sir.

MR. NUTTER: There a classification in the gas well in a Weir Tubb?

MR. WHITE: I don't know.

MR. NUTTER: In the pool rules.

MR. WHITE: Frankly, we just learned about this Weir Tubb Gas Pool, yesterday.

MR. NUTTER: I don't believe we actually have a classification for an oil well in that gas pool under any particular pool rules, but that matter can be resolved later. The application will



be amended for a dual completion to produce oil in the Weir Blinebry and the Weir Tubb.

MR. WHITE: Thank you, sir.

Q (By Mr. White) You are the same Mr. Don Williams who has previously testified in the former two cases?

A Yes, sir.

Q Are you familiar with Texaco's application in Case Number 2941?

A Yes, sir, I am.

Q What is the present status of this well?

A At the present time, the well has been drilled to a total depth of 6880 feet and as mentioned, previously, it was determined that the Glorieta zone was structurally too low to be productive. Consequently, two parallel strings of 2 7/8ths inch OD casing were and have been run and cemented in the common well bore. The Tubb formation has been completed flowing 139 barrels of oil on an eight hour test, ending November 16, 1963; on that test the Tubb completion produced with a gas-oil ratio of 2519 cubic feet per barrels and the gravity of the oil produced was 39.1 degrees API. Flowing surface pressure on this test was 120 pounds per square inch. Blinebry formation in this well has been perforated and at the present time, load oil is being swobbed back following stimulation treatment.

Q Now, will you refer to Exhibit Number One and Explain that, please?

DEARNLEY, MEIER, WILKINS and CROWNOVER

General Court Reporting Service

Suite 1120 Simms Building Albuquerque, New Mexico Phone 243-6691



A Exhibit Number One is a plat showing the subject lease, outlined in yellow, and showing the Kershaw Well Number Nine circled in red. This plat also shows other wells and completions on the lease, and on leases offsetting this lease.

Q Now, will you refer to your diagrammatic sketch, Exhibit Two?

A Exhibit Two is a diagrammatic sketch showing dual tubing-less installation in the L. R. Kershaw Well Number Nine. This sketch shows that 9 5/8ths inch OD surface casing was set at a depth of 1416 feet, and was cemented with sufficient cement to circulate to the surface. It shows that an 8 3/4 inch hole was drilled to a total depth of 6880 feet, and that two parallel strings of 2 7/8ths inch OD casing were run and set in the common well bore, and at a depth of 6879 feet. This also shows that the two strings of 2 7/8ths inch OD casing were cemented with a total of 2,080 sacks of Class "C" cement with four percent jell. This volume of cement that was used calculated to equal 2.6 times the theoretical calculated volume necessary to reach the base of the salt in this well, at a depth of 2540 feet. The sketch also indicates that centralizers were run on each joint of each of the 2 7/8ths inch OD casing strings over the following intervals, from 5200 feet to 5400 feet, 5600 to 6000, 6300 to 6550, and from 6700 to total depth, 6880 feet. This sketch shows that the Tubb formation has been perforated with one shot at each of the following depths: 6439, 6447, 6467, 6498, 6505, 6513 & 6521. It also

DEARNLEY, MEIER, WILKINS and CROWNOVER

General Court Reporting Service

Suite 1120 Simms Building Albuquerque, New Mexico Phone 243-6691



shows that the Blinebry formation has been perforated with one shot perforations at each of the following depths: 5761, 5799, 5815, 5833, 5845, 5864.

Q Now, will you give the accrued characteristics?

A Accrued characteristics for the L. R. Kershaw Well Number Nine in the tabulation as Exhibit Three. This tabulation shows that both the Blinebry formation and the Tubb formation in this well produce intermediate sweet crude. API gravity of the crude from the Blinebry, 41 degrees; from the Tubb formation, 39.1, bottom hole pressure in the Blinebry 2350; in the Tubb 2500. Gas-oil ratio in the Blinebry, 700; in the Tubb, 2519. Both zones are expected to flow on initial completion. We do not anticipate any corrosion problems or paraffin problems with production from either of the two zones. This data is estimated from previous completions in the area. in the case of the Blinebry formation, and from data obtained thus far on the Tubb formation completion in the L. R. Kershaw Well Number Nine.

Q Is it possible to artificially lift this crude if it became necessary?

A If and when it becomes necessary to artificially lift either or both zones, it is anticipated that no difficulty will be had in pumping with conventional rod pumps, both zones.

Q Now, will you refer to Exhibit Four and explain your logs, please?

A Exhibit Four is a radio activity log of the L. R. Kershaw



Well Number Nine; shown on this log in red are perforations in the Blinbry formation, and perforations in the Tubb formation.

Q Are these exhibits true and correct to the best of your knowledge and belief?

A Yes, sir, they are.

Q All right.

MR. WHITE: At this time, we offer Exhibits One through Four.

MR. NUTTER: Texaco's Exhibits One through Four will be admitted in evidence.

MR. WHITE: That concludes our direct.

MR. NUTTER: Are there any questions of Mr. Williams? He may be excused. Do you have anything further, Mr. White?

MR. WHITE: That concludes our case.

MR. NUTTER: Does anybody have anything they wish to offer in Case 2941? Take the case under advisement.

* * * * *

DEARNLEY, MEIER, WILKINS and CROWNOVER

General Court Reporting Service

Suite 1120 Simms Building Albuquerque, New Mexico Phone 243-6691



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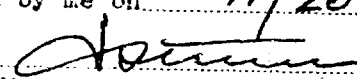
STATE OF NEW MEXICO I
COUNTY OF BERNALILLO I

I, ROY D. WILKINS, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill, and ability.

WITNESS my Hand and Seal of Office, this 23rd day of December, 1963.


NOTARY PUBLIC

My Commission Expires:
September 6, 1967.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2941 heard by me on 11/20, 19 63.
 Examiner
New Mexico Oil Conservation Commission



IT IS THEREFORE ORDERED:

(1) That the applicant, Texaco Inc., is hereby authorized to complete its L. R. Kershaw Well No. 9, located in Unit B of Section 13, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico, as a dual completion (tubingless) to produce oil from the East Weir-Blinebry Pool and ^{the East Weir-Blinebry Pool} ~~the Weir-Tubb~~ ^{oil} ~~Gas~~ 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 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 zone segregation tests upon completion and annually thereafter during the Gas-Oil Ratio Test Period for the Subt Oil Pool zone...

(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.

(3) That the applicant ~~propose this~~, originally made application in this case to complete the subject well as a triple completion ~~the~~ (tubingless) to produce oil from the Skaggs Florita and East Weir Blending Pools and gas from the Weir Subb Gas Pool; that the Skaggs Florita Pool was found to be non-productive prior to the hearing; and that the application was amended at the hearing ~~as set out above~~ to seek approval of a dual completion as set out above.

(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 prevent waste and protect correlative rights.

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. 2941

Order No. R- 2610

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 November 20, 1963, at Santa Fe, New Mexico, before Daniel S. Nutter, 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 21st day of November, 1963, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, 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 L. R. Kershaw Well No. 9, located in Unit B of Section 13, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico, as a dual completion (tubingless) to produce oil from the East Weir-Blinebry Pool and ~~the Weir-Tubb Gas~~ ^{an undesignated oil} pool through parallel strings of 2 7/8-inch casing cemented in a common well bore.