

CASE 3227: Application of TEXACO
INC. for a triple completion of
C.H.WEIR "B" WELL NO. 6.

CASE NO.

3227

Application,

TRANSCRIPTS,

SMALL Exhibits

ETC.

GOVERNOR
JACK M. CAMPBELL
CHAIRMAN

State of New Mexico
Oil Conservation Commission



LAND COMMISSIONER
GUYTON B. HAYS
MEMBER

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

P. O. BOX 2088
SANTA FE

May 4, 1965

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

Re: Case No. 3227
3228
Order No. R-2897 & R-2898
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

ir/

Carbon copy of order also sent to:

Hobbs OCC x

Artesia OCC

Aztec 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. 3227
Order No. R-2897

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 April 7, 1965, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 4th day of May, 1965, the Commission, a quorum being present, having considered the record and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

That the applicant's request for dismissal should be granted.

IT IS THEREFORE ORDERED:

That Case No. 3227 is hereby dismissed.

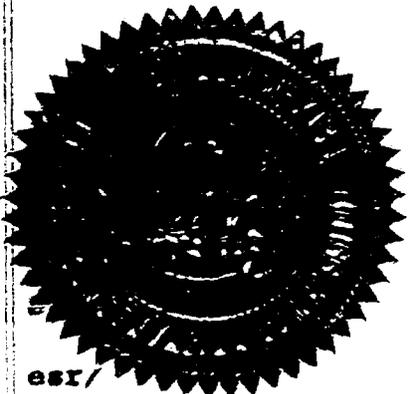
DONE at Santa Fe, New Mexico, on the day and year herein-
above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

Jack M. Campbell
JACK M. CAMPBELL, Chairman

Guyton B. Hays
GUYTON B. HAYS, Member

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



esi/

GILBERT, WHITE AND GILBERT
ATTORNEYS AND COUNSELORS AT LAW
BISHOP BUILDING
SANTA FE, NEW MEXICO

CARL H. GILBERT (1891-1963)
L. C. WHITE
WILLIAM W. GILBERT
SUMNER S. KOCH
WILLIAM BOOKER KELLY
JOHN F. MCCARTHY, JR.

April 6, 1965

POST OFFICE BOX 767
TELEPHONE 983-4324
(AREA CODE 505)

Mr. A. L. Porter
Secretary-Director
Oil Conservation Commission
Santa Fe, New Mexico

Re: Texaco Inc Application for Triple Completion
Case No. 3227

Dear Mr. Porter:

I have been authorized by Texaco Inc. that the above-referred
to case set for hearing April 7, 1965 be dismissed.

Very truly yours,

W. B. Kelly
W. B. KELLY

WBK:cc

DOCKET: EXAMINER HEARING - WEDNESDAY - APRIL 7, 1965

9 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 A. L. Porter, Jr., Alternate Examiner:

CASE 3225: Application of Harold L. Runnels for directional drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to directionally drill his Millard Eidson B Well No. 3, the surface location of which is 660 feet from the South line and 1980 feet from the East line of Section 26, Township 16 South, Range 35 East, Shoebar Field, Lea County, New Mexico. Applicant proposes to set a whipstock at 6800 feet and directionally drill in a northwesterly direction bottoming said well at a true vertical depth of approximately 10,400 feet in the Permo-Pennsylvanian pay at a point not closer than 330 feet to the North and West lines of the SW/4 SE/4 of said Section 26.

CASE 3226: Application of Skelly Oil Company for a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Grayburg Jackson Pool in its Dow Unit Area, by the injection of water into the Premier (Grayburg) and San Andres formations through six wells located in Section 22, Township 17 South, Range 31 East, Eddy County, New Mexico.

CASE 3227: Application of Texaco Inc. for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the triple completion (combination) of its C. H. Weir "B" Well No. 6 located in Unit P of Section 11, Township 20 South, Range 37 East, Lea County, New Mexico, to produce oil from the Skaggs Glorieta Pool through 2 7/8 inch casing, gas from the Skaggs Drinkard Pool through 1.61 inch ID tubing installed in a parallel string of 2 7/8 inch casing, and gas from the East Weir Blinebry Pool through the tubing-casing annulus, both strings of 2 7/8 inch casing being cemented in a common well-bore.

CASE 3228: Application of Texaco Inc. for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Skaggs Pool by the injection of water into the Grayburg formation through nine wells in Sections 7, 12, and 13, Township 20 South, Range 37 East, Lea County, New Mexico.

Examiner Hearing - April 7, 1955

CASE 3229: Application of Pan American Petroleum Corporation for a dual completion and a non-standard gas production unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the dual completion (conventional) of its South Mattin Unit Well No. 15 located in Unit G of Section 22, Township 24 South, Range 37 East, Lea County, New Mexico, to produce gas from the Lower Paddock formation and oil from the Blinbry formation, Fowler Field, through parallel strings of tubing. Applicant, further seeks approval of a Fowler-Lower Paddock non-standard gas production unit for said well, comprising the NE/4, E/2 NW/4, and N/2 SE/4, of said Section 22.

CASE 3002: In the matter of Case No. 3002 being reopened pursuant (Reopened) to the provisions of Order No. R-2684, which order established temporary 320-acre spacing for the Fowler-Lower Paddock Gas Pool, Lea County, New Mexico, for a period of one year. All interested parties may appear and show cause why said pool should not be developed on 160-acre spacing units.

CASE 3230: Application of The British-American Oil Producing Company for an unorthodox location and a non-standard gas unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of an unorthodox gas well location for its North Wilson Deep Unit Well No. 1 located 550 feet from the South line and 1980 feet from the East line of Section 31, Township 20 South, Range 36 East; applicant further seeks approval of a non-standard Morrow gas unit to be dedicated to said well, said unit comprising the SE/4 of Section 31 and the SW/4 of Section 32, Township 20 South, Range 36 East, Lea County, New Mexico.

CASE 3231: Application of Vilas P. Sheldon for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Old Loco Unit Area comprising 720 acres, more or less, of State lands in Sections 31 and 32, Township 17 South, Range 29 East, Eddy County, New Mexico.

CASE 3232: Application of Vilas P. Sheldon for a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Grayburg Jackson and Loco Hills Pools in the Old Loco Unit Area by the injection of water into the Lovington and Grayburg formations through six injection wells in Section 32, Township 17 South, Range 29 East, Eddy County, New Mexico.

- 3 -

Examiner Hearing - April 7, 1965

CASE 3233: Application of Tidewater Oil Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the East Eumont Unit Area comprising 5,535 acres, more or less, of Federal, State and Fee lands in Townships 18, 19, and 20 South, Range 37 East, Lea County, New Mexico.

CASE 3234: Application of Tidewater 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 Eumont Pool, Lea County, New Mexico, in its East Eumont Unit Area by the injection of water into the Yates, Seven Rivers and Queen formations through 69 wells in said unit area.

for hearing

TEXACO
INC.

PETROLEUM PRODUCTS



March 5, 1965

3227

DRAWER 728
HOBBS, NEW MEXICO 88240

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

Re: Revision of Administrative
Order No. MC-1589 for
Combination Triple Completion,
TEXACO Inc. C. H. Weir "B"
Well No. 6, Lea County, New
Mexico

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

Gentlemen:

TEXACO Inc. respectfully requests revision of Administrative Order No. MC-1589 to permit the triple completion of C. H. Weir "B" Well No. 6 in such manner as to produce oil from the Glorieta formation adjacent to the Skaggs Glorieta Pool, gas from an Undesignated Blinebry Gas Pool and gas from an Undesignated Drinkard Gas Pool. Order No. MC-1589 authorized completion of the subject well in such manner as to produce oil from the Blinebry formation adjacent to the East Weir Blinebry Pool and from the Tubb formation adjacent to the Monument Tubb Pool through parallel strings of 2-7/8 inch casing cemented in a common well bore.

Subsequent to receiving Order No. MC-1589, the well was drilled to total depth and logging surveys indicated the Glorieta zone as being more prospective than anticipated, the Blinebry and Tubb zones as probably being gas productive rather than oil productive as anticipated, and the Drinkard zone as being more highly developed than anticipated and probably productive of gas. Due to the limiting size of the 8-5/8 inch surface casing, only two strings of production casing were run, both strings being 2-7/8 inch casing. The Glorieta zone was completed as a oil producer in one string and the Drinkard zone was completed as a gas producer in the other string.

DOCKET MAILED

Date 3/10/65

March 5, 1965

It is proposed to complete the well in such manner as to produce oil from the Glorieta zone through one 2-7/8 inch casing string, gas from the Drinkard zone through 1.9 inch OD API Integral Joint N-80 tubing run and set inside of the other 2-7/8 inch casing string with a packer set between the Blinebry and Drinkard zones, and gas through the 1.9 inch x 2-7/8 inch tubing-casing annulus. Completion in this manner would be commensurate with prudent conservation procedures and practices based on economics, equipment used and the ability of each gas zone to produce when completed in the aforementioned manner. The estimated cost to complete the Blinebry zone in the described manner is \$17,900 as compared to \$59,600 for drilling and completing a Blinebry single tubingless completion well. The ability of each well to produce is illustrated by test data on the attached "DATA SHEET".

TEXACO Inc. C. H. Weir "A" Well No. 9 is the nearest well to the subject well completed in the Blinebry gas zone. Logs indicate the Blinebry zone in the subject well as being developed better than in C. H. Weir "A" Well No. 9. Therefore, it may reasonably be assumed that the producing capability of the Blinebry zone in the subject well will be greater than the attached data indicates. Since each zone produces relatively small liquid volumes, no production problems are expected due to the presence of liquids. Also, it is anticipated that no liquids shall be produced from either gas zone at the time when the bottom hole pressure of each zone declines to the economic producing limit.

The 1.9 inch OD, 1.61 inch ID, tubing has a minimum collapse pressure of 8980 psi and minimum internal yield pressure of 10,680 psi. It is proposed that a Brown Oil Tools, Inc. "Husky" retrievable hookwall type packer be set between the Blinebry and the Drinkard zones. This packer has been tested to 8000 psi differential pressure on the bottom and to 6000 psi differential pressure on the top. Both tubing and packer strength specifications exceed all anticipated requirements.

The New Mexico Oil Conservation Commission has previously approved completion of the Glorieta, Blinebry and Drinkard zones in TEXACO Inc.'s C. H. Weir "A" Well No. 9 by Administrative Order No. MC-1217.

In view of the aforementioned producing capabilities that may be expected from the Blinebry and Drinkard zones, the quality of material to be used that considerably exceeds all expected requirements, and the economics of completing the subject well in the proposed manner, TEXACO Inc. would appreciate receiving administrative approval of the subject well. If administrative approval cannot be granted, TEXACO Inc. respectfully requests that an examiner hearing be scheduled on the earliest available docket for considering the proposed completion.

Yours very truly,



H. D. Raymond
Assistant District Superintendent

WBY/om
cc: HMOC - Hobbs
Offset Operators

Attachments

Page 327

DATA SHEET

TEXACO Inc.

Application For Multiple Completion

C. H. Weir "B" Well No. 6

Lea County, New Mexico

<u>WELL</u>	<u>ZONE</u>	<u>MCFPD</u>	<u>B.DIST/D</u>	<u>BMPD</u>	<u>CHOKE</u>	<u>SURFACE FLOW PRESS</u>	<u>SURFACE SI PRESS</u>	<u>BHP (STATIC)</u>	<u>STOCK TANK DIST. GR. @ 60° F</u>	<u>FLOW THROUGH</u>
C. H. Weir "A" #9	Blinebry	1334.1	21.0	0	13/64"	2050 psi	2100 psi	2407 psi	72.0	2-7/8" csg.
C. H. Weir "B" #6	Drinkard	2172.0	2.5	0	15/64"	1750 psi	1962 psi	2432 psi	66.8	2-7/8" csg.

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
APPLICATION FOR MULTIPLE COMPLETION

Form C-107
5-1-61

Operator <u>TEXACO Inc.</u>		County <u>Lea</u>	Date <u>March 5, 1965</u>
Address <u>P. O. Box 728, Hobbs, New Mexico</u>		Lease <u>C. H. Weir "B"</u>	Well No. <u>6</u>
Location of Well Unit <u>P</u>	Section <u>11</u>	Township <u>20 South</u>	Range <u>37 East</u>

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 X NO _____
2. If answer is yes, identify one such instance: Order No. MC-1217; Operator Lease, and Well No.: _____

TEXACO Inc. C. H. Weir "A" Well No. 9

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	<u>Skaggs Glorieta</u>	<u>E. Weir Blinebry</u>	<u>Skaggs Drinkard</u>
b. Top and Bottom of Pay Section (Perforations)	<u>5265-5275'</u>	<u>5752-5926'</u>	<u>6771-6871'</u>
c. Type of production (Oil or Gas)	<u>Oil</u>	<u>Gas</u>	<u>Gas</u>
d. Method of Production (Flowing or Artificial Lift)	<u>Art. Lift</u>	<u>Flow</u>	<u>Flow</u>

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

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.*
<input checked="" type="checkbox"/>	<input type="checkbox"/>	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 112A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Continental Oil Company, P. O. Box 427, Hobbs, New Mexico

Cities Service Oil Company, P. O. Box 69, Hobbs, New Mexico

Humble Oil & Refining Company, P. O. Box 2100, Hobbs, New Mexico

Gulf Oil Corporation, P. O. Box 1938, Roswell, New Mexico

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 March 5, 1965 (By registered mail)

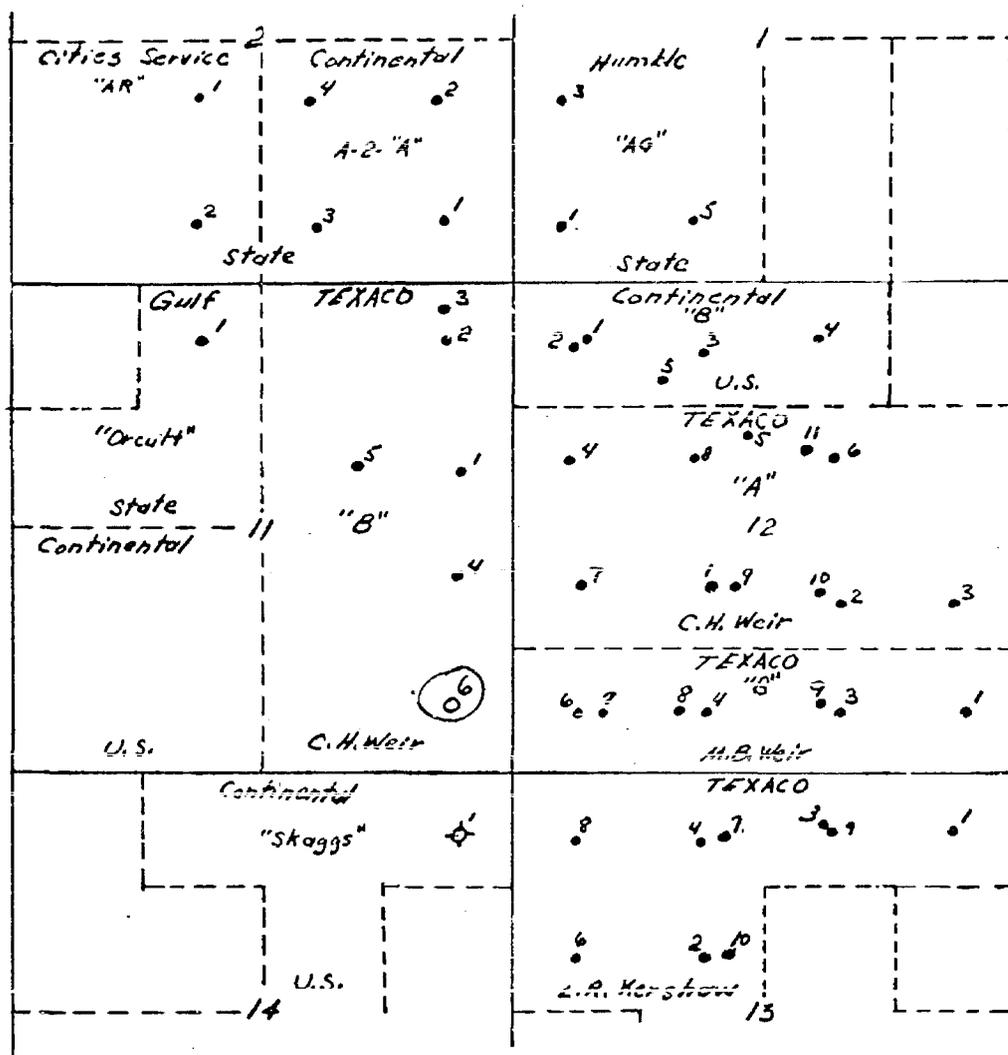
CERTIFICATE: I, the undersigned, state that I am the Assistant Dist. Supt of ~~the~~ TEXACO Inc. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

H. D. Raymond
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 one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

R-3T-E



T-20-S

T-20-S

TEXACO Inc.
 C. H. Weir "B" Lease
 Lea County, New Mexico

Scale: 1"=2000'

OFFSET OPERATORS

Continental Oil Company, Box 427, Hobbs, N.M.
 Cities Service Oil Co, Box 69, Hobbs, N.M.
 Humble Oil & Rfg. Co., Box 2100, Hobbs, N.M.
 Gulf Oil Corp., Box 1938, Roswell, N. M.

John L. ...

3227

8-5/8" casing set @ 1411'
Cement Circulated

2-7/8" casing cemented with 400
sacks Class "C", 8% gel and 400 sacks
Class "C", 4% gel cement. Cement
volume equals 153% of calculated
annular volume from TD to base
of salt.

Glorieta (Oil)
Drinkard (Gas)
Blinebry (Gas)

Base of Salt @ 2640'

Glorieta perforated
5265-5275'

Blinebry perforated
5752,
5789, 5814, 5820, 5855,
5877, 5913, 5926'

Brown "Husky" packer
set @ 6000'

1.9" OD (1.61" ID) Integral
joint tubing set @ 6850'

Drinkard perforated
6771, 6782, 6817, 6827,
6831, 6835, 6846, 6857,
6862, 6871'

PBTD @ 6890'

PBTD @ 6865'

2-7/8" OD casing set @ 6900'

2-7/8" OD casing set @ 6896'

TD @ 6900'

TEXACO Inc.

Sketch-Proposed Triple Completion
C. H. Weir "B" Well No. 6

3-5-65

OIL CONSERVATION COMMISSION
1 DISTRICT

DATE March 15, 1965

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

Re: Proposed NSP _____

Proposed NWU _____

Proposed NSL _____

Proposed NFO _____

Proposed DC _____

Triple Revision

Gentlemen:

I have examined the application dated 3/8/65
for the Texaco, Inc. C. H. Weir "B" #6 11-20-37
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

MC-1217 Refer to a triple tbgless completion and not a combination tbgless
completion---because of tolerance, collar to tbg, wall fluid problem will

kill Blanebry ^{As per JDR} and result in inefficient flow. Recommend Hearing---E.F.E.

O.K.---J.W.R.

Yours very truly,



BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
April 7, 1965

EXAMINER HEARING

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691

IN THE MATTER OF:

APPLICATION OF TEXACO, INC. FOR A TRIPLE
COMPLETION, LEA COUNTY, NEW MEXICO

Case No. 3227

BEFORE:

ELVIS A. UTZ

TRANSCRIPT OF HEARING



