

CASE 2438: Application of TEXACO
INC. for a triple completion of
its V. M. HENDERSON WELL NO. 6.

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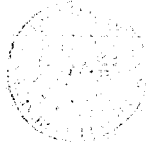
2-2438

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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

December 14, 1961

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

Re: Case No. 2438
Order No. R-2136
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. 2438
Order No. R-2136

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 November 29, 1961, 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 13th day of December, 1961, 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., is the owner and operator of the V. M. Henderson Well No. 6, located in Unit C of Section 30, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico.

(3) That the applicant proposes to complete the above-described V. M. Henderson Well No. 6 as a triple completion (conventional) in such a manner as to permit the production of oil from the Drinkard Pool through a tapered string of tubing of 2 1/16-inch and 1 1/4-inch diameter, the production of oil from the Padlock Pool through a parallel string of 2 1/16-inch tubing and the production of gas from the Blinberry Gas Pool through a 2 7/8-inch x 1 1/4-inch tubing annulus, a Baker triple zone flow tube, and a string of 1-inch tubing; the separation of zones is to be accomplished by use of packers.

Case No. 2438
Order No. R-2136

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

(5) That approval of the subject application will neither cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Texaco Inc., is hereby authorized to complete its V. M. Henderson Well No. 6, located in Unit C of Section 30, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico, as a triple completion (conventional) in such a manner as to permit the production of oil from the Drinkard Pool through a tapered string of tubing of 2 1/16-inch and 1 1/4-inch diameter, the production of oil from the Paddock Pool through a parallel string of 2 1/16-inch tubing and the production of gas from the Blinebry Gas Pool through a 2 7/8-inch x 1 1/4-inch tubing annulus, a Baker triple zone flow tube, and a string of 1-inch tubing; the separation of zones is to be accomplished by use of packers.

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.

PROVIDED FURTHER HOWEVER, That the operator shall take packer-leakage tests upon completion and annually thereafter during the Annual Gas-Oil Ratio Test Period for the Drinkard zone and at such other times as the Secretary-Director of the Commission may prescribe.

(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


EDWIN L. MECHEM, Chairman


E. S. WALKER, Member


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

ix/

DOCKET: EXAMINER HEARING - WEDNESDAY - NOVEMBER 29, 1961

9 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, as alternate examiner:

Cases listed on this docket after Case 2444 will not be heard before 1 P.M.

- CASE 2434: Application of Amerada Petroleum Corporation for a dual completion and a 150-acre non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its State DA Well No. 1 located in Unit L, Section 16, Township 21 South, Range 37 East, Lea County, New Mexico, as a dual completion (conventional) in the Eumont Gas Pool and the Drinkard Pool, with the production of oil from the Drinkard zone to be through a string of 2 3/8-inch tubing and the production of gas from the Eumont zone to be through the tubing-casing annulus. Applicant further seeks the establishment of a 160-acre non-standard gas proration unit in the Eumont Gas Pool, comprising the N/2 S/2 of said Section 16, said unit to be dedicated to said State DA Well No. 1.
- CASE 2435: Application of Cities Service Oil Company for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Hodges "B" Well No. 3, located in Unit L of Section 1, Township 25 South, Range 37 East, Lea County, New Mexico, as a triple completion (conventional) in undesignated Blinebry and Drinkard pools and in the Fusselman formation adjacent to the North Justis-Fusselman pool, with the production of oil from the Blinebry and Drinkard zones to be through parallel strings of 2 1/16-inch tubing and the production of oil from the Fusselman zone to be through a parallel string of 2 3/8-inch tubing.
- CASE 2436: Application of Hudson & Hudson for two unorthodox oil well locations, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of two unorthodox oil well locations in the Maljamar Pool, one well to be located within 100 feet and not less than 25 feet of the Southeast corner of Unit J, Section 24, Township 17 South, Range 31 East, Eddy County, New Mexico, and one well to be located within 100 feet and not less than 25 feet of the Northwest corner of Unit O in said Section 24.

Docket No. 32-61

CASE 2437:

Application of J. C. Williamson for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Westates-Federal Well No. 6, located in Unit D of Section 1, Township 25 South, Range 37 East, Lea County, New Mexico, as a dual completion (conventional) in the McKee and Ellenburger formations with the production of oil from both zones to be through parallel strings of 2 3/8-inch tubing.

CASE 2438:

Application of Texaco Inc. for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its V. M. Henderson Well No. 6, located in Unit C of Section 30, Township 21 South, Range 31 East, Lea County, New Mexico, as a triple completion in the Paddock, Blinebry Gas, and Drinkard Pools with the production of oil from the Drinkard formation to be through a tapered string of tubing of 2 1/16-inch and 1 1/4-inch diameter and from the Paddock formation to be through a parallel string of 2 1/16-inch tubing and the production of gas from the Blinebry formation to be through the ~~tubing casing annulus~~.
2 7/8 x 1 1/4 inch tubing +

CASE 2421:

(Cont.)

Application of Texaco Inc. for approval of a unit agreement and for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Northeast Caprock (Queen) Unit Agreement, covering 1360 acres, more or less, in Township 12 South, Range 32 East, Caprock Queen Pool, Lea County, New Mexico. Applicant further seeks authority to institute a unit-wide waterflood by the injection of water into the Queen formation through 19 wells located within said unit.

CASE 2439:

Application of Sunray Mid-Continent Oil Company for a 67.04-acre non-standard oil proration unit and an unorthodox well location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of 67.04-acre non-standard oil proration unit in the Totah-Gallup Oil Pool, comprising Lots 2, 3 and 4 of Section 14, Township 29 North, Range 14 West, San Juan County, New Mexico, said unit to be dedicated to a well to be located at an unorthodox location 330 feet from the North line and 2510 feet from the West line of said Section 14.

CASE 2440: Application of Socony Mobil Oil Company for permission to transfer allowables, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks permission to shut-in the Boulder-Apache Well No. 12-14, located in Section 14, Township 28 North, Range 1 West, Boulder-Mancos Oil Pool, Rio Arriba County, New Mexico, and transfer its allowable to the Boulder-Apache Well No. 23-14 located in said Section 14 for the purpose of conducting interference tests.

CASE 2441: Application of Water Flood Associated, Inc., for a waterflood project in the Maljamar and Robinson Pools, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a waterflood project in the Maljamar and Robinson Pools in portions of Sections 5, 6 and 7, all in Township 17 South, Range 32 East, Lea County, New Mexico.

CASE 2442: Application of El Paso Natural Gas Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Mescalero Ridge Unit Well No. 1, located in Unit D of Section 21, Township 19 South, Range 34 East, Lea County, New Mexico, as a dual completion (conventional) in the Bone Springs and Morrow formations, with the production of oil from the Bone Springs zone to be through a string of 2 3/8-inch tubing and the production of gas from the Morrow zone to be through a parallel string of 2 1/16-inch tubing.

CASE 2443: Application of Gulf Oil Corporation for an 80-acre non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of an 80-acre non-standard gas proration unit in the Eumont Gas Pool, comprising the E/2 NE/4 of Section 34, Township 19 South, Range 36 East, Lea County, New Mexico, said unit to be dedicated to the J. W. Smith Well No. 2, located 660 feet from the North and East lines of said Section 34.

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

CASE 2444: Application of Aztec Oil & Gas Company for an exception to Rule 309-A, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 309-A to permit the Totah-Gallup oil production from three wells on

applicant's Haqood Federal Lease, located in Section 19, Township 29 North, Range 13 West, San Juan County, New Mexico, to be transported prior to measurement on said lease to applicant's Smith "C" Lease, located in Section 18, Township 29 North, Range 13 West.

CASE 2445:

Application of Southwest Production Company for an order extending the Flora Vista-Mesaverde Pool, San Juan County, New Mexico, and establishing special rules and regulations in said pool. Applicant, in the above-styled cause, seeks an order extending the Flora Vista-Mesaverde Pool to include Sections 22, 23, 26 and 27, all in Township 30 North, Range 12 West, San Juan County, New Mexico, and establishing special rules and regulations including a provision for 320-acre spacing units in said pool.

CASE 2446:

Application of Southwest Production Company for an order pooling all mineral interests in the Basin-Dakota Gas Pool in the E/2 of Section 22, Township 30 North, Range 12 West, San Juan County, New Mexico. Interested parties include Roy Rector and O. G. Shelby, both of Flora Vista, New Mexico, and Myron T. Dale, address unknown.

CASE 2416:

(Cont.)

Application of Southwest Production Company for an order pooling all mineral interests in an undesignated Mesaverde gas pool in the E/2 of Section 22, Township 30 North, Range 12 West, San Juan County, New Mexico.

CASE 2447:

Application of Humble Oil & Refining Company for approval of a pressure maintenance project in the Cha Cha-Gallup Oil Pool, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a pressure maintenance project in the Cha Cha-Gallup Oil Pool by the injection of water into certain wells located on the Navajo Indian Reservation in Sections 13 through 29 and 33 through 36, Township 29 North, Range 14 West, San Juan County, New Mexico. Applicant further seeks the promulgation of special rules and regulations governing said project.

CASE 2448:

Application of Pan American Petroleum Corporation for a pressure maintenance project, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a pressure maintenance project on its C. J. Holder,

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Docket No. 32-61

State Holder Oil Unit, State "CA", State Oil Unit and Gallegos Canyon Unit Leases, San Juan County, New Mexico, in the Cha Cha-Gallup Oil Pool with water injection initially to be through five wells located in Sections 8 and 16, Township 28 North, Range 13 West, and Section 23, Township 28 North, Range 12 West, and requests adoption of special rules to govern the operation of said project.

CASE 2449:

Application of Pan American Petroleum Corporation for a pressure maintenance project, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a pressure maintenance project on its Navajo Tribal "H" and Gallegos Canyon Unit Leases, San Juan County, New Mexico, in the Totah-Gallup Oil Pool with water injection initially to be through five wells located in Section 35, Township 29 North, Range 13 West, Section 12, Township 28 North, Range 13 West, and Sections 13 and 24, Township 29 North, Range 14 West, and requests adoption of special rules to govern the operation of said project.

199/

TEXACO
INC.

PETROLEUM PRODUCTS



DOMESTIC PRODUCING DEPARTMENT
MIDLAND DIVISION

P. O. BOX 3109
MIDLAND, TEXAS

Case 2438

OCTOBER 20, 1961

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 to triple complete its V. M. Henderson Well No. 6 in the Paddock, Blinebry, and Drinkard pools, Lea County, New Mexico. The Paddock formation is anticipated to be an oil completion and will be produced through a tapered string of 2-1/16" OD and 1-1/4" OD Aztec tubing. The Paddock Drinkard completion is anticipated to be oil and will be produced through a string of 2-1/16" OD Aztec tubing. The Blinebry completion is anticipated to be gas and will be produced up the annulus between the 5-1/2" casing and the 2-1/16" OD tubing. In support of our application we wish to state the following facts:

Drinkard

Paddock

1. TEXACO Inc. is the operator of the V. M. Henderson lease which consists of the N/2 of Section 30, T-21-S, R-37-E, Lea County, New Mexico.
2. The V. M. Henderson Well No. 6 is located in Unit M, Section 30, T-21-S, R-37-E.
3. The Drinkard is anticipated to be an oil completion through the open hole interval 6550 to 6700' and will be produced through a tapered string of tubing consisting of 5125' of 2-1/16" OD and 1325' of 1-1/4" OD Aztec tubing.

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10-26-61

4. The Blinebry is anticipated to be a gas completion and will be perforated from 5500 to 5800'.
5. The Paddock is anticipated to be an oil completion and will be perforated from 5160' to 5170'.
6. It is anticipated that all three zones will flow upon completion.

Attached in triplicate is an Application for Triple Completion, a plat of the V. M. Henderson lease, and a diagrammatic sketch of the proposed triple completion installation. It is requested that this hearing be set on the first available examiner hearing docket.

Yours very truly,

TEXACO Inc.

C R Black

C. R. Black
Assistant Division
Proration Engineer

CRB-MM
Attach.

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

TRIPLE

APPLICATION FOR DUAL COMPLETION

7-3-58

| | | | | |
|-----------------------------------|------|-----------------|----------|------------------|
| Field Name | | County | | Date |
| Paddock, Blinebry (Gas), Drinkard | | Lea | | October 26, 1961 |
| Operator | | Lease | | Well No. |
| TEXACO Inc. | | V. M. Henderson | | 6 |
| Location of Well | Unit | Section | Township | Range |
| | C | 30 | 21-S | 37-E |

1. Has the New Mexico Oil Conservation Commission heretofore authorized the ~~well~~ 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 | Paddock | Blinebry | Drinkard |
| b. Top and Bottom of Pay Section (Perforations) | 5160' - 5170' | 5500' - 5800' | 6550' - 6700' |
| c. Type of production (Oil or Gas) | Oil | Gas | Oil |
| d. Method of Production (Flowing or Artificial Lift) | Flowing | Flowing | Flowing |

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.

Gulf Oil Corp., Box 1938, Roswell, New Mexico

Mobil Oil Co., Box 2406, Hobbs, New Mexico

Sinclair Oil & Gas Co., 520 E. Broadway, Hobbs, New Mexico

J. W. Peery, Box 655, Odessa, Texas

J. H. Moore, 1000 Green Acres Drive, Hobbs, 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 _____

Asst. Division

CERTIFICATE: I, the undersigned, state that I am the Proration Engineer of 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.

Case 2438

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

October 30, 1961

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

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

Re: Texaco's application to triple complete
its V. M. Henderson Well No. 6
Lea County, New Mexico

Dear Ida:

Attached in triplicate is Texaco's application to triple complete its V. M. Henderson Well No. 6. We would appreciate the application being set down for hearing at your earliest convenience, presumably for the Examiner hearing November 21st.

Texaco's application for approval of its Northeast Cap-rock (Queen) Unit Agreement has been set for November 8, being the first case on the docket No. 2421. It would be appreciated if the hearing date of this case could be continued until and heard on the same date as the V. M. Henderson Well No. 6.

Very truly yours,

L. C. White
L. C. WHITE

LCW/ab
Encls.

*Docket
Mailed
11/6/61*

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

November 29, 1961

EXAMINER HEARING

IN THE MATTER OF:

Application of Texaco, Inc., for triple completion, Lea County, New Mexico. Applicant in the above-styled cause, seeks permission to complete its V. M. Henderson Well No. 6, located in Unit C of Section 30, Township 21 South, Range 37 East, Lea County, New Mexico, as a triple completion in the Paddock, Blinebry Gas, and Drinkard Pools with the production of oil from the Drinkard formation to be through a tapered string of tubing 2 1/16-inch and 1 1/4-inch diameter and from the Paddock formation to be through a parallel string of 2 1/16-inch tubing and the production of gas from the Blinebry formation to be through the tubing-casing annulus.

CASE NO.
2438

BEFORE: Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

EXAMINER NUTTER: We will call Case No. 2438.

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

MR. WHITE: Charles White of Gilbert, White & Gilbert, representing the Applicant. We have one witness, Mr. Robinson.

J. E. ROBINSON, JR.,

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

ALBUQUERQUE, N. M.
PHONE 243-6691



called as a witness, having been first duly sworn on oath, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. WHITE:

Q Would you please state your name?

A J. E. Robinson, Jr.

Q By whom are you employed and in what capacity?

A Texaco, Inc., as a petroleum engineer.

Q Have your professional qualifications been accepted by the Commission?

A Yes, sir, they have.

Q Are you familiar with the subject application?

A Yes, I am.

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

EXAMINER NUTTER: Yes, sir, please proceed.

Q (by Mr. White) Will you briefly state what Texaco is seeking by the subject application?

A Texaco is seeking approval to triple complete its V. M. Henderson Well No. 6 and the Drinkard oil well, a Blinbry gas well and a Paddock oil well and to produce the Drinkard through a tapered string consisting of 2 1/16-inch OD Aztec tubing and a string of 1 1/4-inch Aztec tubing.

(Applicant's Exhibit No. 1 marked.)

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FARMINGTON, N. M.
PHONE 325-1182

ALBUQUERQUE, N. M.
PHONE 243-6691

Q (by Mr. White) Will you refer to Exhibit No. 1 and explain the information stated thereon?

A Exhibit 1 is a plat showing Texaco's V. M. Henderson lease. It is bordered in yellow, a 320-acre lease occupying the North half of Section 30, Township 21 South, Range 37 East, Lea County. On the plat we show the location of all wells and we also list the field that these wells are completed in. We show the offsetting leases, the offset lease ownership and the addresses of the offset operators. On the V. M. Henderson lease, Well No. 2 is a Blaine oil well. Well No. 3 is a Drinkard; Well No. 4 is a Eumont gas well; and Well No. 5 is a Penrose Skelly and Paddock dual. On the lease each of the three zones we are proposing to triply complete this well in is productive.

Q The subject well is circled in red?

A That is correct, Well No. 6.

(Applicant's Exhibit No. 2 marked.)

Q Will you refer to Exhibit No. 2 and explain your diagrammatic sketch?

A Exhibit No. 2 is a diagrammatic sketch showing the completion of the subject well. An eleven-inch hole was drilled to 1254 feet and a string of 8 5/8-inch casing was set at 1253 feet. It was cemented, with the cement being circulated to the surface of the ground. We went out from under the 8 5/8 with a 7/8 inch hole. We drilled the hole to 6550. We set a string of



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5 1/2-inch casing at 6550. It was cemented with 1,000 sacks of cement with the cement being at 5545. After the casing was cemented, we drilled out below the shoe to 6700 feet.

The Drinkard is completed in open hole from 6550 to 6700 feet. The Blinebry is completed through six different perforations: 5539 to 5543; from 5547 to 5565; from 5569 to 5587; from 5593 to 5610; 5618 to 58; and 5632 to 54.

The Paddock is completed through perforations at 5158 to 5168. The Drinkard is an oil producer, intermediate sweet, API grade of 36 degrees; the GOR is 2,000 and the bottomhole pressure is 2300. It was tested to flow five barrels per hour on a 24/64-inch choke with a tubing pressure of 350 psi.

The Blinebry is a gas well. It was tested to flow 1,940 MCF per day with 90 barrels of condensate. This is a high gravity condensate having an api gravity of 61 degrees. The GOR is 21,600 to one. The well is a gas well in that it exceeds the 52 degree gravity as included in the Blinebry gas rule. It does not have a GOR of 32,000. However, with the condensate it is classified as a gas completion.

The Paddock produces a sour crude. It has a 37 degree api gravity. The GOR is 135 to one. Its estimated bottomhole pressure is 1800 psi. It was completed flowing and it flowed sixteen hours. It made 90 barrels of oil, no water.

Q What is the present status of the well?

A The well has been drilled and completed and we are



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presently conducting packer leakage tests. After we perforated the well and treated each zone, we set a Baker Model D packer at 6008 feet, a Baker Model F packer at 5199, and a Baker Model F packer at 5127 feet. This is one of the first trip float tubes that has been designed to run inside the 5 1/2-inch casing and it was made up on the long string, or the Drinkard string, and coming out from under the trip float tube it was necessary to run a string of 1 1/4-inch tubing.

Q What was the reason for that?

A On the body of the trip float tube, since it is in the five and a half, they couldn't get enough steel for the long string to put a 2 1/16-inch tubing collar there and since the outside string, where we'll produce the Blinebry, is a 2 7/8 inch, we have to go to a smaller size tubing to go inside the 2 7/8-inch and still have enough steel to carry the weight, so the Drinkard will be produced through a tapered string consisting of 1 1/4-inch Aztec parallel float tube and 2 1/16-inch tubing above the float.

The Paddock will be produced through a string of 2 1/16-inch tubing and it was originally our intention to flow the Blinebry gas up the tubing casing annulus, but since this well started making a considerable amount of condensate, we have run a string of one-inch Aztec tubing in the hole at 5112 and we'll produce the Blinebry gas through the one-inch tubing.

Q Are there any crude characteristics that you care to



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state?

A No, sir. I might say that all of the zones presently are flowing. We estimate that the Drinkard will flow for at least three years and once this zone stops flowing, we'll be able to pump the zone. We can pump approximately 65 barrels per day through a one-inch inside pump having a diameter of 6 1/2 inches.

Q You'll be able to pump the allowable?

A Yes, sir, we will.

Q Will you be able to pump the Paddock?

A Yes, sir. We can also pump the Paddock when it ceases to flow. We estimate that it will flow approximately three years.

Q How about the Blinebry?

A No. We won't pump the Blinebry. However, we don't believe that the Blinebry will ever fail to flow with the high GOR that we have and it is producing condensate and as the zone is depleted, you could expect that your GOR will increase, and we never -- we don't anticipate that we would ever have to pump the Blinebry.

(Applicant's Exhibit No. 3
marked.)

Q Will you refer to Exhibit No. 3 and explain the information shown on that exhibit?

A Exhibit No. 3 is a radioactive log of the subject well. The tops of each of the three pays are marked on the log.



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Q Will you state what economic advantages will be gained by this proposed installation?

A If we drilled the well and set 9 5/8-inch casing and 7-inch long string, our cost would have been \$123,600. Under the present completion of the well, we will complete the well for approximately \$104,500, which results in a saving of \$19,100. If we would have drilled two twin wells, the well being completed as a dual and the other as a single, it's estimated that it would cost \$131,754, so the advantages here in our type of completion is \$27,245.

Q Were Exhibits 1 and 2 prepared by you or under your direction?

A Yes, sir.

Q Are the facts and figures stated on Exhibit 3 correct to the best of your knowledge and belief?

A Yes, sir. That is a log of the well with the tops marked.

Q Do you have anything further to state?

A No, sir, I have not.

MR. WHITE: We offer Exhibits 1, 2, and 3.

EXAMINER NUTTER: Exhibits 1 through 3 will be entered in evidence.

MR. WHITE: That concludes our direct.

EXAMINER NUTTER: Are there any questions of Mr. Robinson?



CROSS EXAMINATION

BY MR. MORRIS:

Q Mr. Robinson, on your Exhibit No. 2, I believe your testimony corrected the perforation shown in the Blinbry zone to be 5539 to 5543, rather than 5943 as shown on the exhibit.

A That is correct. It is a typographical error. It should be corrected. The first set of perforations should be corrected to read 5539 to 5543.

MR. MORRIS: Thank you.

CROSS EXAMINATION

BY EXAMINER NUTTER:

Q According to Exhibit 3, the top of the Drinkard would be 6614 but your Drinkard open hole shows from 6560 to 6700. Will you examine Exhibit 3 and see if, perhaps, the Drinkard has not been labelled incorrectly on that.

A The top should be 6555 -- or 6550.

EXAMINER NUTTER: Are there any other questions of Mr. Robinson?

He may be excused.

(Witness excused.)

EXAMINER NUTTER: Does anyone have anything they wish to offer in Case No. 2438?

The case will be taken under advisement.

* * *

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STATE OF NEW MEXICO)
COUNTY OF SAN JUAN) ss.

I, THOMAS F. HORNE, NOTARY PUBLIC in and for the County of San Juan, State of New Mexico, do hereby certify that the foregoing and attached transcript of hearing was reported by me in stenotype and that the same was reduced to typewritten transcript under my personal supervision and contains a true and correct record of said proceedings, to the best of my knowledge, skill and ability.

Thomas F. Horne
NOTARY PUBLIC

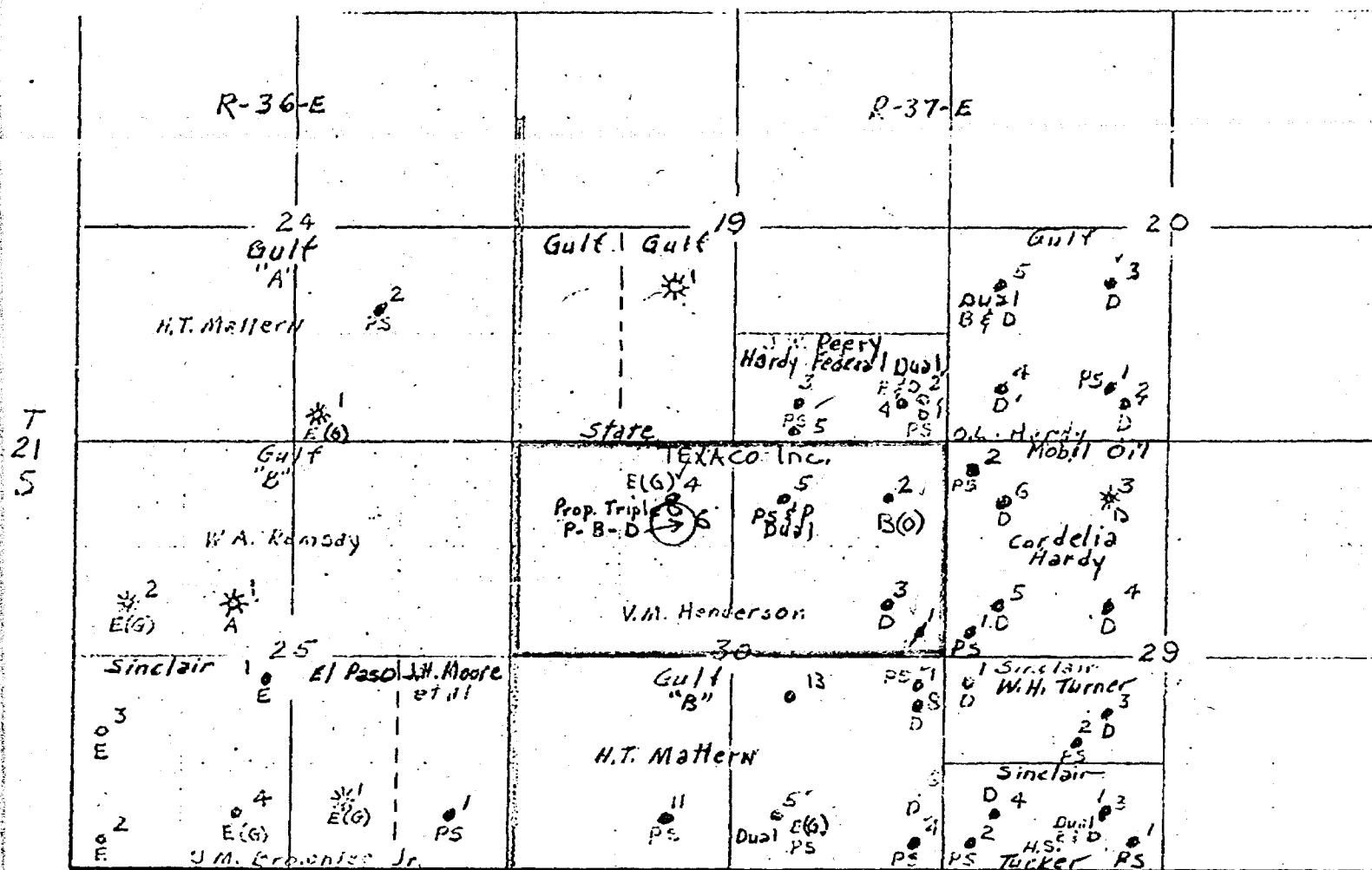
My Commission Expires:
October 2, 1965

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2438 heard by me on 11/29, 1961.

[Signature], Examiner
New Mexico Oil Conservation Commission



PLAT OF TEXACO INC. V.M. HENDERSON LEAS AND OFFSET LEASES



LEGEND

A—Arrowhead
D—Drinkard
E—Eumont Oil
E(O)—Eumont Gas
PS—Penrose Skelly
B—Blinobry Gas
P—Paddock
B(O)—Blinobry Oil

OFFSET OPERATORS

Gulf Oil Corp.—Box 1938—Roswell, New Mexico
Mobil Oil Co.—Box 2406—Hobbs, New Mexico
Sinclair O&G Co.—520 E. Broadway—Hobbs, N.M.
J.W. Peery—Box 655—Odessa, Texas
J.H. Moore—1000 Green Acres Drive—Hobbs, N.M.

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 1
CASE NO. 2138

Paddock Oil--2-1/16"
CD Tbg. at 5127'

Drill Pipe 2-1/16" OD
Aztec Tbg. to 5127' 1-1/4"
OD Aztec Tbg. 5127' - 6549'
Primary Gas--1" OD Aztec
Tbg. swinging at 5112'

Otis Sliding Side Door

8-5/8" Casing set at 1253'
Cement Top Circulated

5-1/2" casing set at 6550'
Top cement at 2545'

Baker Triple Zone Flow Tube

BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

EXHIBIT NO. 2

CASE NO. 2438

Baker Model "FA" Packer at 5141'

Top at 5158 Feet

Name: Paddock *same*

Type Production: Oil

Bottom at 5168 Feet

Perforated:

5158' - 5168'

37.0 g.p.c.

60R 135/1

200 BHP 1800

2-7/8" FJ Tbg. 5127' - 5199'

Baker Model "F" Packer at 5199'

Top at 5539 Feet

Name: Blinebry

Type Production: Gas

Bottom at 5654 Feet

Perforated:

5539' - 5543', 5547' - 5555'
5559' - 5587', 5593' - 5610'
5618' - 5628', 5632' - 5654'

flow 16 hrs. made
90 Bbl oil
0 wtr

Top at 6550 Feet

Name: Drinkard

Type of Production: Oil

Bottom at 6700 Feet

Open Hole:

6550' - 6700'

26.0 g.p.c.
2000 BHP
2300 BHP

Baker Model "D" Packer at 6008'

UPPER
ZONE

MIDDLE
ZONE

LOWER
ZONE

Dr. drilled flow 3 hrs
comp pump 65 BHP w/ 1" wrist pump
7" hole to 6550'
7" hole to 6700'

DIAGRAMATIC SKETCH-TRIPLE COMPLETION INSTALLATION

COMPANY: TEXACO Inc.
LEASE & WELL NO.: V. M. Henderson Well No. 6
FIELD: Paddock, Blinebry (Gas) and Drinkard
DATE: November 22, 1961