

CASE 2402. Application of TEXACO INC.
for a triple completion of its
C. H. WEIR "A" WELL NO. 7.

-asa//o.

2400

plication, Transcript,
and Exhibits, Etc.

GOVERNOR
EDWIN L. MECHEM
CHAIRMAN

State of New Mexico
Oil Conservation Commission

LAND COMMISSIONER
E. S. JOHNNY WALKER
MEMBER



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

P. O. BOX 871
SANTA FE

October 16, 1961

Mr. Booker Kelly
Gilbert, White & Gilbert
Box 787
Santa Fe, New Mexico

Re: Case No. 2400
Order No. R-2094
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 handwritten signature in cursive script, reading "A. L. Porter, Jr.", is written over the typed name.

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. 2400
Order No. R-2094**

**APPLICATION OF TEXACO INC.
FOR A GAS-OIL-OIL 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 October 4, 1961, at Santa Fe, New Mexico, before Elvis A. Utz, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 13th day of October, 1961, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Texaco Inc., is the owner and operator of the C. H. Weir "A" Well No. 7, located in Unit L, Section 12, Township 20 South, Range 37 East, NMDM, Lea County, New Mexico.

(3) That the applicant proposes to complete the above-described C. H. Weir "A" Well No. 7 as a triple completion in such a manner as to permit the production of gas from the Eumont Gas Pool, the production of oil from the Skaggs-Glorieta Pool, and the production of oil from the Skaggs-Drinkard Pool, the production of oil from the Glorieta and Drinkard zones to be through parallel strings of 2 3/8-inch tubing and the production of gas from the Eumont Gas zone to be through the tubing-casing annulus.

(4) That the mechanics of the proposed triple completion are feasible and in accord with good conservation practices; however, a four-point stabilized back pressure test to determine the tubing-casing annular flow efficiency should be conducted after the well is completed.

-2-

CASE No. 2400
Order No. R-2094

(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 C. H. Weir "A" Well No. 7, located in Unit L, Section 12, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico, as a triple completion in such a manner as to permit the production of gas from the Eumont Gas Pool, the production of oil from the Skaggs-Glorieta Pool, and the production of oil from the Skaggs-Drinkard Pool, the production of oil from the Glorieta and Drinkard zones to be through parallel strings of 2 3/8-inch tubing and the production of gas from the Eumont Gas zone to be through the tubing-casing annulus.

PROVIDED HOWEVER, That a four-point stabilized back pressure test to determine the tubing-casing annular flow efficiency shall be conducted after the well has been completed.

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

PROVIDED FURTHER, That the applicant shall take packer-leakage tests upon completion and annually thereafter during the Annual Gas-Oil Ratio Test Period for the Skaggs-Drinkard Pool, or 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.

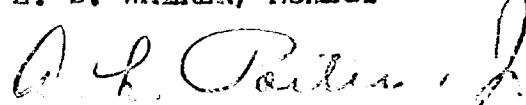
STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION



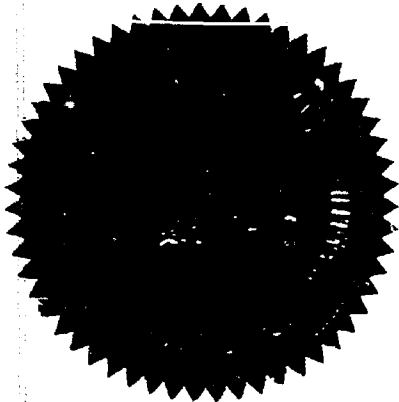
EDWIN L. MECHEM, Chairman



E. S. WALKER, Member



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



esr/

Case 2400

Heard 10-4-61

Rec. 10-9-61

1. Grant Texaco's request for
a triple completion for its C.H.
Well "A" #7, 1985/S, 660/W
Sec. 12 - 205 - 37 E.

2. Upper Completion - Tumont Gas Annulus
Middle " - Glorieta Oil - $7\frac{5}{8} \times 2\frac{3}{8} \times 2\frac{3}{8}$
Lower " - Drinkard - Oil - $2\frac{3}{8}$

3. Since the Tumont gas is
reported to be dry in this
area the Annulus flow should
be O.K. However requires a
4 point stabilized Backpressure
test after well is completed
to determine flow efficiency.

Thos. H. [Signature]

DOCKET: EXAMINER HEARING - WEDNESDAY - OCTOBER 4, 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:

CONTINUED CASE

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.

NEW CASES

CASE 2388: In the matter of the hearing called by the Oil Conservation Commission to permit Juan J. (John J.) Moya and all interested parties to appear and show cause why the Jones Well No. 1, located 1650 feet from the South line and 990 feet from the East line of Section 7, Township 30 North, Range 11 West, San Juan County, New Mexico, should not be plugged.

CASE 2389: Application of Shell Oil Company for approval of the Cabezon Unit Agreement, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Cabezon Unit Agreement embracing lands in Townships 16 and 17 North, Ranges 2, 3 and 4 West, Rio Arriba County, New Mexico.

CASE 2390: Application of Continental Oil Company for a 320-acre non-Standard gas proration unit, 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, comprising the S/2 of Section 7, Township 23 South, Range 37 East, Lea County, New Mexico, said unit to be dedicated to the Stevens B-7 Well No. 1, located 990 feet from the South and West lines of said Section 7.

CASE 2391: Application of Continental Oil Company for a 320-acre non-standard gas proration unit, 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, comprising the S/2 of Section 25, Township 23 South, Range 36 East, Lea County, New Mexico, said unit to be dedicated to the Lynn B-25 Well No. 2, located 990 feet from the South and West lines of said Section 25.

CASE 2392: Application of Continental Oil Company for a 240-acre non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of a 240-acre non-standard gas proration unit in the Jalmat Gas Pool, comprising the NW/4 and W/2 NE/4 of Section 23, Township 22 South, Range 36 East, Lea County, New Mexico, said unit to be dedicated to the Meyer B-23 Well No. 3, located 1980 feet from the North line and 660 feet from the West line of said Section 23.

CASE 2393: Application of Continental Oil Company for a 240-acre non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of a 240-acre non-standard gas proration unit in the Jalmat Gas Pool, comprising the SE/4 and E/2 NE/4 of Section 23, Township 22 South, Range 36 East, Lea County, New Mexico, said unit to be dedicated to the Meyer B-23 Well No. 2, located 990 feet from the South line and 1650 feet from the East line of said Section 23.

CASE 2394: Application of Hondo Oil & Gas Company for permission to directionally drill, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks permission to directionally drill a well to be located 2310 feet from the North line and 1980 feet from the East line of Section 26, Township 17 South, Range 28 East, Eddy County, New Mexico.

CASE 2395: Application of Nash, Windfohr & Brown for the establishment of a limiting gas-oil ratio in the Jackson-Abo Pool, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of a limiting gas-oil ratio of 4000: 1 in the Jackson-Abo Pool in Township 17 South, Range 30 East, Eddy County, New Mexico.

CASE 2396: Application of C. W. Trainer for an unorthodox oil well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to locate his Hobbs Well No. 1 at an unorthodox oil well location in the Hobbs Pool, 2545 feet from the North line and 1184 feet from the East line of Section 34, Township 18 South, Range 38 East, Lea County, New Mexico.

CASE 2397: Application of Reading and Bates, Inc. for a temporary exception to Rule 107 (d), Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a temporary exception to Rule 107 (d) to permit the production of oil from its Simms Federal Well No. 1 located in Section 34, Township 18 South, Range 30 East, North Benson Queen Pool, Eddy County, New Mexico, without installing tubing.

CASE 2398: Application of Ford Chapman for a 42.35-acre non-standard oil proration unit, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of a 42.35-acre non-standard oil proration unit in an undesignated Delaware pool comprising Lot 12, Section 34 and Lot 9, Section 35, all in Township 26 South, Range 29 East, Eddy County, New Mexico, said unit to be dedicated to the Curtis Hankamer Gulf-Federal Pipkin No. 1 Well, located 330 feet from the South line and 605 feet from the East line of said Section 34.

CASE 2399: Application of Texaco Inc. for an unorthodox oil well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of an unorthodox oil well location in the Paduca- Delaware Pool for its Cotton Draw Unit Well No. 54, located 1980 feet from the North line and 2339 feet from the East line of Section 28, Township 25 South, Range 32 East, Lea County, New Mexico.

CASE 2400: Application of Texaco Inc. for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its C. H. Weir "A" Well No. 7, located in Unit L, Section 12, Township 20 South, Range 37 East, Lea County, New Mexico, as a triple completion in the Eumont Gas, Skaggs-Glorieta, and Skaggs-Drinkard Pools, with production of oil from the Drinkard and Glorieta zones to be through parallel strings of 2 3/8 inch tubing and the production of gas from the Eumont Gas Pool through the tubing-casing annulus.

ig/

TEXACO
INC.

PETROLEUM PRODUCTS

DOMESTIC PRODUCING DEPARTMENT
MIDLAND DIVISION



P. O. BOX 3109
MIDLAND, TEXAS

September 14, 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 C. H. Weir "A" Well No. 7 in the Skaggs (Drinkard), Skaggs (Glorieta), and Eumont (Gas) pools, Lea County, New Mexico. The two lower completions are anticipated to be oil productive and will be produced through two parallel strings of 2-3/8" OD buttress tubing. The upper completion is anticipated to be gas and will be produced through the annulus between the 2-3/8" tubing and the 7-5/8" casing. In support of our application we wish to state the following facts:

1. TEXACO Inc. is the operator of the C. H. Weir "A" lease containing 320 acres and consisting of the S/2 N/2 and the N/2 S/2 of Section 12, T-20-S, R-37-E.
2. The C. H. Weir "A" Well No. 7 is located in Unit L, Section 12, T-20-S, R-37-E.
3. The Drinkard is anticipated to be an oil completion and will be completed through casing perforations 6750-6850'.
4. The Glorieta is anticipated to be an oil completion and will be completed through casing perforations 5300-5320'.
5. The Penrose (Eumont) is anticipated to be a gas completion and will be completed through casing perforations 3600-3700'.
6. It is anticipated that the Penrose (Eumont) and Drinkard completions will flow initially and that the Glorieta completion will be pumped initially.

Handwritten notes:
See file
T-19-11
Jr

9-14-61

Attached in triplicate is an application for triple completion, a plat of the C. H. Weir "A" lease and a diagrammatic sketch of the proposed triple completion installation. It is respectfully requested that this hearing be set on your first available examiner hearing docket.

Yours very truly,

TEXACO Inc.



J. E. Robinson, Jr.
Division Proration Engineer

CRB-MM
Attach.

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

TRIPLE

APPLICATION FOR ~~WELL~~ COMPLETION

Field Name		Eumont (Gas), Skaggs (Glorieta) and Skaggs (Drinkard)		County	Lea	Date	September 12, 1961
Operator		TEXACO Inc.		Lease	C. H. Weir "A"	Well No.	7
Location of Well	Unit	Section	Township	Range			
	L	12	20-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 X NO triple
2. If answer is yes, identify one such instance: Order No. R-1860; Operator, Lease, and Well No.:
TEXACO Inc. C. H. Weir "B" Well No. 4 (West offset to subject well)

3. The following facts are submitted:	MIDDLE ZONE		
	Upper Zone		Lower Zone
a. Name of reservoir	Penrose	Glorieta	Drinkard
b. Top and Bottom of Pay Section (Perforations)	3600'-3700'	5300'-5320'	6750'-6850'
c. Type of production (Oil or Gas)	Gas	Oil	Oil
d. Method of Production (Flowing or Artificial Lift)	Flowing	Artificial Lift	Flowing

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

- Yes Triple a. Diagrammatic Sketch of the ~~well~~ 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 Triple c. Waivers consenting to such ~~well~~ 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, P. O. Box 68, Eunice, New Mexico

Cities Service Oil Company, P. O. Box 97, Hobbs, New Mexico

Tidewater Oil Company, P. O. Box 547, 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

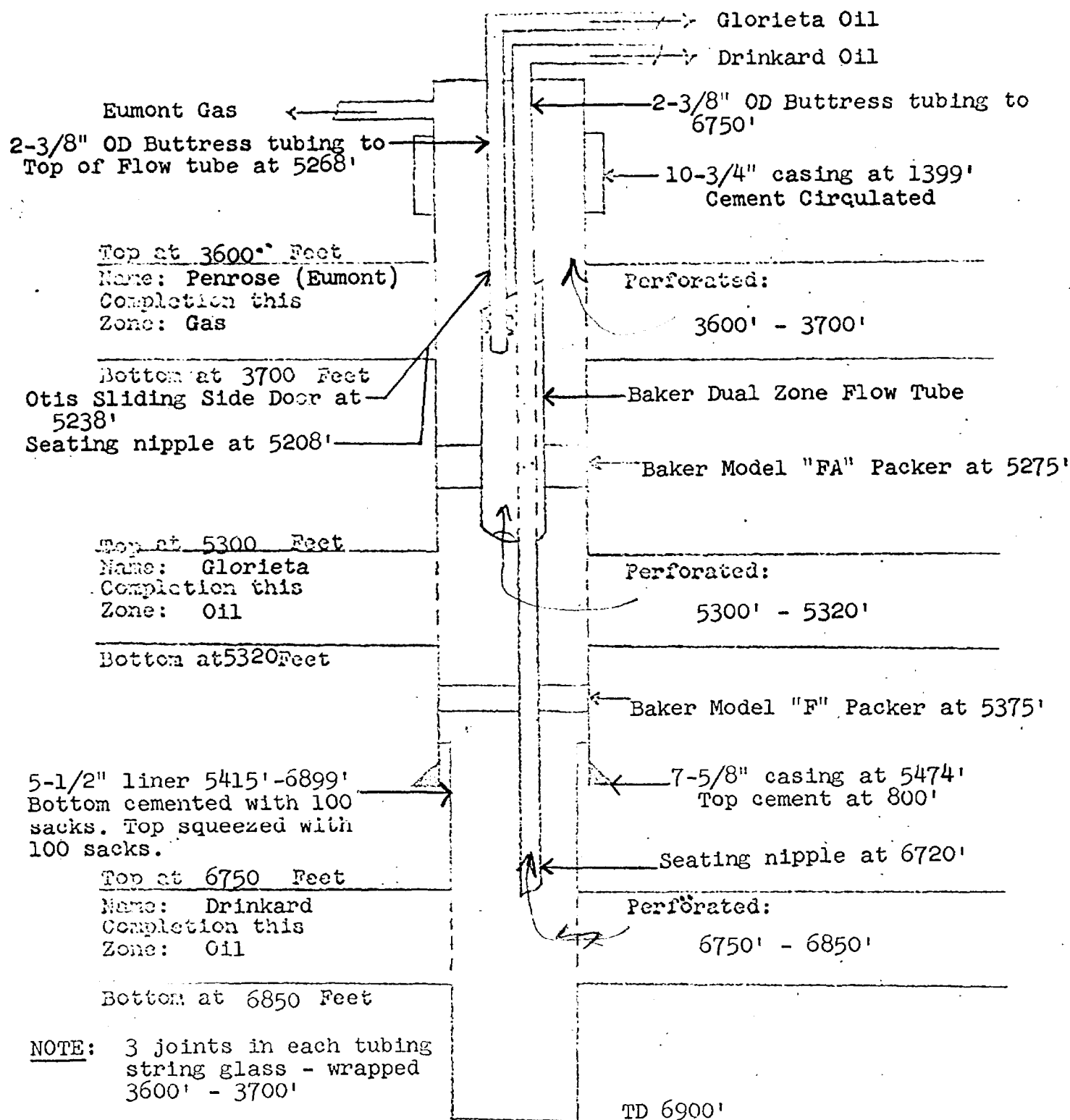
Division
CERTIFICATE: I, the undersigned, state that I am the Proration Engineer of ~~xxx~~ TEXACO Inc. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and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

J. E. Robinson, Jr. 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.

2400

DIAGRAMATIC SKETCH OF TRIPLE COMPLETION INSTALLATION



COMPANY: TEXACO Inc.
 LEASE: C. H. Weir "A" Well No. 7
 FIELD: Skaggs (Drinkard), Skaggs (Glorieta), Eumont (Gas)
 DATE: 9-11-61

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

EXAMINER HEARING

IN THE MATTER OF:

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

CASE NO. 2400

TRANSCRIPT OF HEARING

October 4, 1961

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CM 3-6691

ALBUQUERQUE, NEW MEXICO



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

ALBUQUERQUE, N. M.
PHONE 243-6631

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

October 4, 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 C. H. Weir "A" Well No. 7, located in Unit L, Section 12, Township 20 South, Range 37 East, Lea County, New Mexico, as a triple completion in the Eumont Gas, Skaggs-Glorieta, and Skaggs-Drinkard Pools, with production of oil from the Drinkard and Glorieta zones to be through parallel strings of 2 3/8 inch tubing and the production of gas from the Eumont Gas Pool through the tubing-casing annulus.

CASE NO.
2400

BEFORE: Elvis A. Utz, Examiner

TRANSCRIPT OF HEARING

EXAMINER UTZ: We call Case No. 2400.

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

MR. KELLY: Booker Kelly, Gilbert, White & Gilbert, appearing for Texaco. We have one witness, Mr. C. R. Black.

MR. UTZ: Let the record show the witness was sworn in the previous case.



C. R. BLACK,

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

DIRECT EXAMINATION

BY MR. KELLY:

Q Would you state your name, please?

A C. R. Black, employed by Texaco, Inc.

Q You have previously testified in front of this Commission?

A Yes, sir.

Q Could you tell us what Texaco seeks by their application?

A This is the application of Texaco, Inc., for a triple completion. It will be an oil-oil-gas triple completion in the Drinkard, Glorieta, and Penrose formations. These three zones are designated as the Skaggs-Drinkard Pool, the Skaggs-Glorieta Pool, and the Eumont Gas Pool. Production from the two oil zones will be two independent strings of tubing and production from the gas zone will be under the annulus between the tubing and the casing.

Q What is the current status?

A This well has reached a total depth and all three zones have been operated upon completion. The well is currently-- we are currently conducting bottom-hole pressure tests and running a packer linkage test on the subject well.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1192

ALBUQUERQUE, N. M.
PHONE 243-6651



Q Would you refer to Exhibit 1 and explain that?

A Exhibit 1 is a plat showing the location of the C. H. Weir "A" Well No. 7. This well is located 1980 feet from the South line and 660 feet from the West line of Section 12, Township 20 South, Range 37 East, Lea County, New Mexico. The limits of the Weir "A" lease are shown by the yellow lines. The location is circled in red. Also shown on this exhibit are the offset operators and mailing addresses of the offset operators. Each offset operator is shown with the appropriate field designation being shown and indicated under each well and this can be determined from the legend at the bottom of the exhibit.

Q Now, again referring to Exhibit 1, does Texaco have another triple that's shown on this plat?

A Yes, we do; the C. H. Weir "B" 4 is a triple completion in the same three zones and this triple completion was approved by Order No. R-1860, dated February 2nd, 1961.

Q You have basically the same conditions in the same installations in your proposed triple?

A Yes, sir.

Q Now, would you explain Exhibit 2 to the examiner?

A Yes, sir. Exhibit 2 is a diagrammatic sketch of the triple completion installation. This sketch was prepared actually before the well, after the well reached total depth and before any other zones were perforated. There will be some changes that will need to be made to the exhibit.



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FARMINGTON, N. M.
PHONE 325-1112

ALBUQUERQUE, N. M.
PHONE 243-6661

MR. KELLY: Does the Commission desire the exhibit be amended by the witness's testimony as he goes through it?

EXAMINER UTZ: With regard to what?

THE WITNESS: The actual perforations and actual packer setting depth, such as that.

EXAMINER UTZ: Yes, sir.

(Answer) Exhibit 2 is a diagrammatic sketch. A 13 3/4 inch hole was drilled to 1399 feet. At that point 10 3/4 inch casing was run and cement was circulated to the surface. A 9 7/8 inch hole was drilled to 5474 feet and at that point a string of 7 5/8 inch casing was set and cemented with the top of the cement coming up in the annulus to 800 feet.

A 6 3/4 inch hole was drilled to a total depth of 6900 feet and 5 1/2 inch liner from 5415 feet to 6899 feet. The bottom of the liner was cemented with one hundred sacks of cement and the top was squeezed with another hundred sacks of cement. The Drinkard formation was perforated from 6787 to 6792. This will be a difference from what is shown on the exhibit.

EXAMINER UTZ: This was which formation?

THE WITNESS: The Drinkard formation. It was perforated from 6787 to 6792; 6798 to 6804; 6810 to 6824; and 6828 to 6840.

The production from this zone will be an intermediate sweetcrude with an API gravity of 41 degrees. It is anticipated 2500 psi with a GOR of 11,800 cubic foot per barrel. It is



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

ALBUQUERQUE, N. M.
PHONE 243-6291

estimated that this zone will flow five to seven years. On potential test dated September 9, 1961, this zone flowed 30 barrels oil, no water, in six hours through a 24/60 inch choke with a GOR of 11,800 to one. The twenty-four-hour rate was 120 barrels oil per day.

The Glorieta zone was perforated from 5280 to 5296. The Glorieta zone crude will be a sour crude with an API gravity of approximately 39 degrees. The estimated bottom hole pressure is 1600 psi. The GOR is too small to measure and this zone will be pumped initially. The latest test in the Glorieta was on September 26, at which time 70 barrels oil were swabbed in twelve hours. The GOR was too small to measure.

The Penrose formation was perforated from 3612 to 3650 and 3668 to 3684. Production from this formation will be dry gas. The estimated bottom hole pressure will be 500 psi. It is estimated that this zone will be capable of producing 2,000 mcf per day and will flow for the entire life of this zone. A test of September 28 in the Eumont zone showed the well flowed twelve hours, flowing at a rate of 1800 mcf per day. Casing pressure was 600 lbs. and a floor tubing pressure of 450 lbs. Production was dry gas production with no oil.

ESAMINER UTZ: No liquid of any kind?

THE WITNESS: No liquid of any kind.

Q (by Mr. Kelly) Do you anticipate any corrosion or paraffin problem?



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FARMINGTON, N. M.
PHONE 325-1112

ALBUQUERQUE, N. M.
PHONE 243-6031

A In the Drinkard and Penrose formations, we do not anticipate any corrosion or paraffin problems. However, in the Glorieta there will be mild corrosion or mild paraffin. To combat this, we are steel-coating it up 1,000 feet of the Glorieta tubing. This is for paraffin control and if it becomes necessary, we can treat for corrosion by the squeeze-treatment method; and also, opposite the Penrose formation, the two extremes of tubing will be glassed wrapped from 3600 feet to 3700 feet. This is in the event any sand is produced along with the gas.

Q I think you said it will flow from five to seven years. Do you think this zone can be pumped when necessary?

A Yes, sir. Both zones can be pumped simultaneously when it becomes necessary and also, if it becomes necessary we can run a third string of tubing to flow the Eumont gas zone if this becomes necessary.

Q Do you have anything else to say about Exhibit 2?

A I might briefly run through the down hole equipment that we ran in the well. The Drinkard tubing is 2 3/8 inch OD buttress tubing and it was run through 6822 feet instead of 6750 feet as shown on the exhibit. The Glorieta tubing was 2 3/8 inch OD buttress tubing and it was run to 5250 feet. There is an Otis sliding door in the Glorieta tubing. This is in the event we have to swab and kick off the Eumont zone. This is located 5208 feet. There is a seeding nipple in the Glorieta tubing located at 5175 feet. A packer Model FA packer was set



at 5250 feet and a packer, Model F packer set at 5351 feet. The seeding nipple in the Drinkard zone was set a 6812 feet.

That is all the bottom down hole equipment we have in the well.

Q Do you have a log for this well?

A We have a radioactive log which is Exhibit 3. The intervals are marked in red on the log.

Q Is there anything else you would like to say to the Commission on this?

A I have nothing further.

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

A Yes, they were.

MR. KELLY: We move the introduction of Exhibits 1 through 3 as amended by the witness' testimony.

EXAMINER UTZ: Without objection, Exhibits 1, 2 and 3 will be entered into the record of this case.

MR. KELLY: I believe that's all.

CROSS EXAMINATION

BY MR. UTZ:

Q Mr. Black, on your No. 4 well, which is I believe offset to the west, there is an annular flow on this well?

A Yes.

Q You haven't any liquid problem in that well?

A There is no difficulty at all with this well whatsoever.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

ALBUQUERQUE, N. M.
PHONE 243 6641



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1112

ALBUQUERQUE, N. M.
PHONE 143-6601

Q I am speaking of the Number 4?

A That's right. This well has been on production approximately six months and we have not yet encountered any problems.

Q Now, on your twelve-hour test on the No. 7 well, did you check the flow rate during this test or just at the end of the test?

A During the first part of the test, prior to the twelve-hour test, the well did flow back some load oil that was used in treating the well. However, during the test the figures 1800 mcf per day is an average of the production rate during the twelve-hour test.

Q So, you don't know for sure whether it has a tendency to decrease?

A No, sir. The indication that I had was it was tending to increase at the end of the test. We were interested in going ahead and tapping the well and we expected to run the four point back pressure test to determine the back pressure flow.

EXAMINER UTZ: Are there any other questions of the witness?

The witness may be excused.

(Witness excused.)

EXAMINER UTZ: Are there any other statements in this case?



We will take the case under advisement.

* * * * *

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.

DATED this 29 day of October, 1961, in the City of Farmington, County of San Juan, State of New Mexico.

Thomas F. Horne
Notary Public

My commission expires:

10-2-65

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of No. 2400, heard by me on Oct. 4, 1961.

James A. [Signature]
Examiner
New Mexico Oil Conservation Commission

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

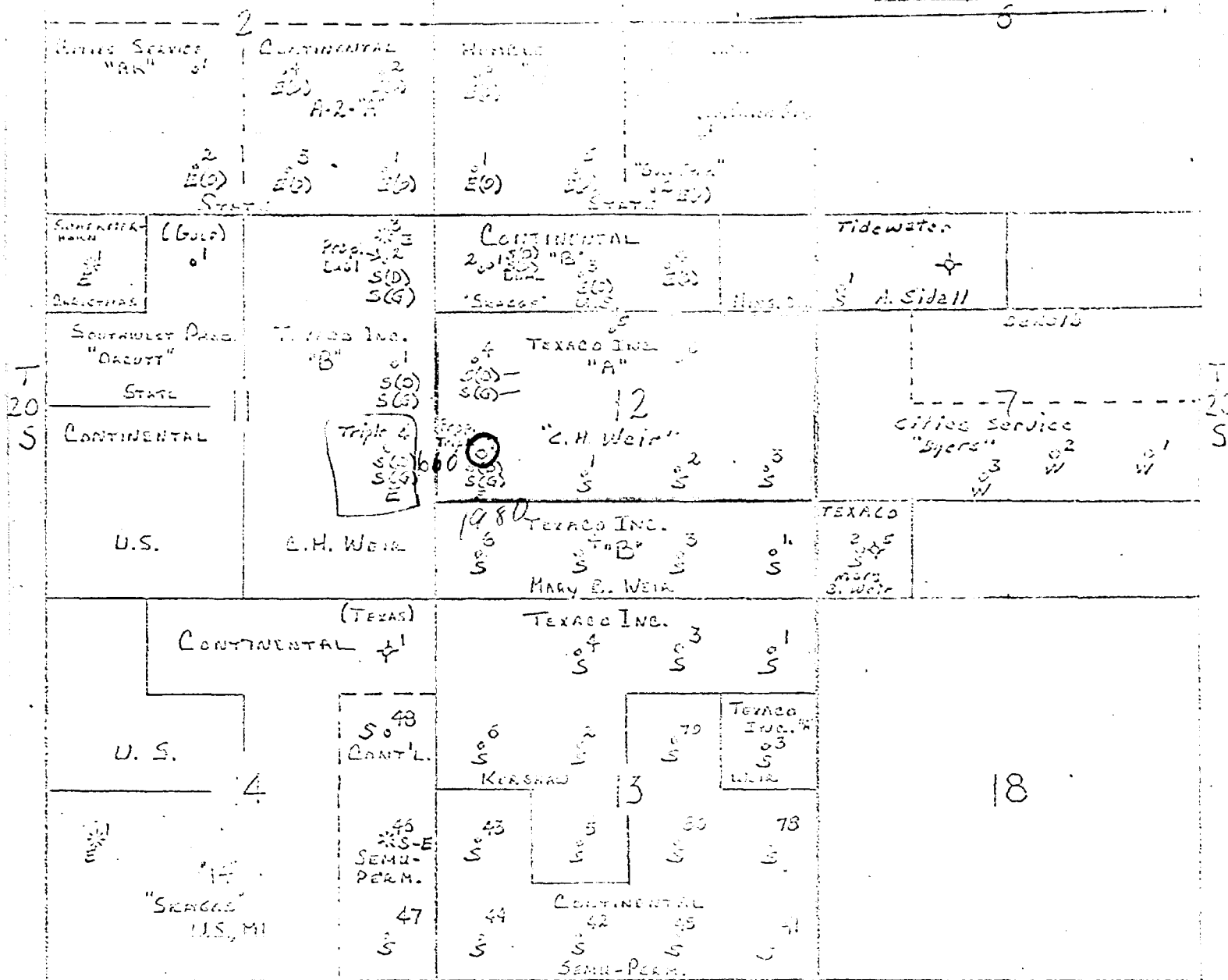
ALBUQUERQUE, N. M.
PHONE 243-6551



R-27-E

R-28-E

BEFORE EXAMINER UTZ
OIL CONVEYANCE COMMISSION
EXHIBIT NO. HP
CASE NO. 2400

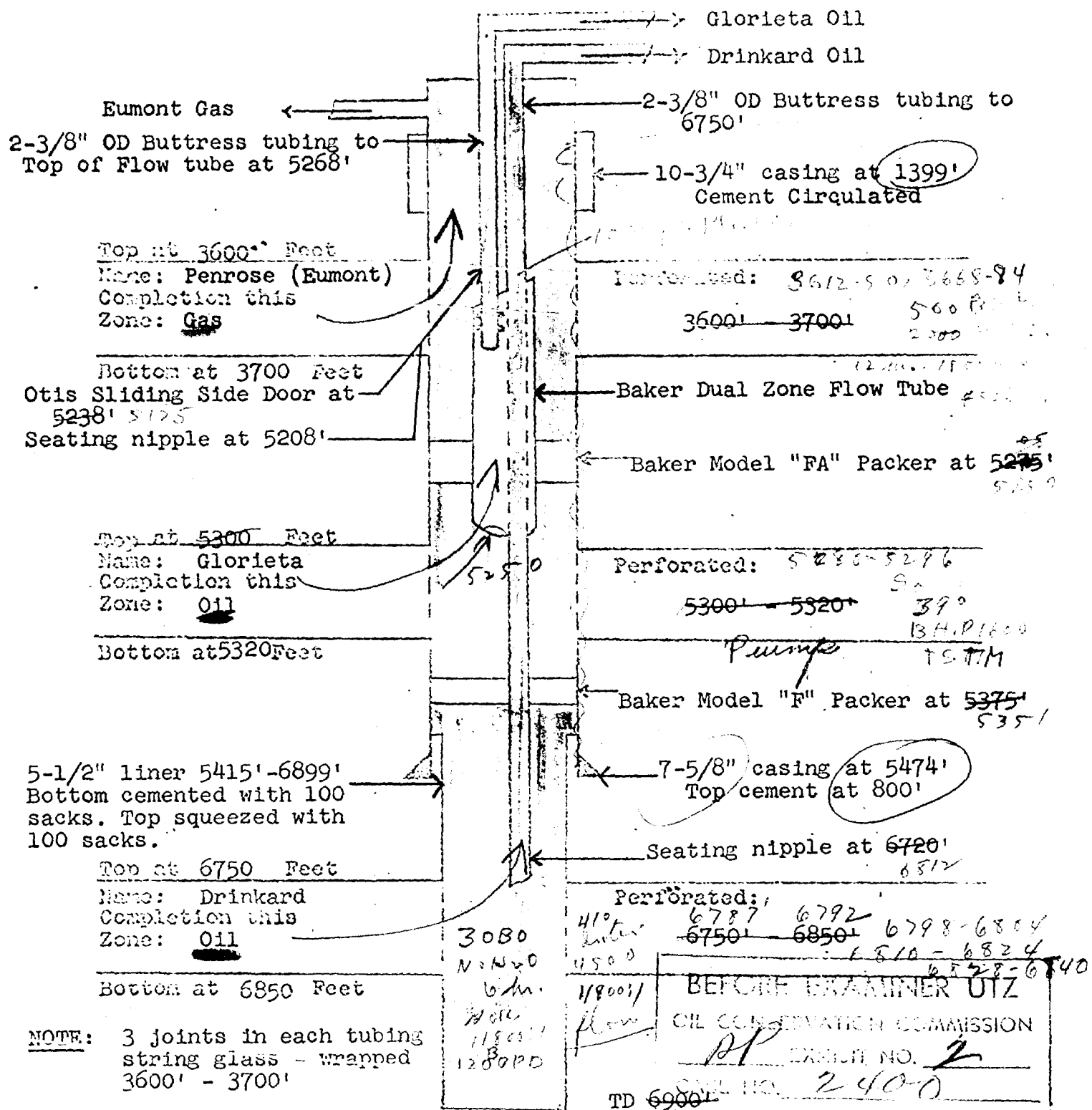


Map of TEXACO INC.
C. H. Weir "A" Lease and Effect Leases
Lea County, New Mexico
Scale: 1" = 2000'

LEGEND (Pools)
S - Shaggs
S(D) - Skaggs Drinkard
S(G) - Skaggs Gloria
E - Eumont Gas
E(O) - Eumont Oil
W - Warren MSKac

CONTINENTAL OIL CO., Inc., Dallas, N. Mex.
City Service Oil Co., P.O. Box 547, Hobbs, N. Mex.
Tidewater Oil Company, P. O. Box 547, Hobbs, New Mexico

DIAGRAMATIC SKETCH OF TRIPLE COMPLETION INSTALLATION



COMPANY: TEXACO Inc.
LEASE: C. H. Weir "A" Well No. 7
FIELD: Skaggs (Drinkard), Skaggs (Glorieta), Eumont (Gas)
DATE: 9-11-61