

CASE 2478: Application of TEXACO  
for a triple completion of its  
C.H. WEIR "B" WELL NO. 5 - UNIT G.

1/11

-asa 1/10.

2478

Application, Transcript,  
and Exhibits, Etc.

## BEFORE THE OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

EXAMINER HEARING

January 24, 1962

*Case 2478*

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.  
PHONE 325-1192ALBUQUERQUE, N. M.  
PHONE 243-6691

## IN THE MATTER OF:

Applicant in the above-styled cause, seeks permission to complete C.H. Weir "B" Well No. 5, located in Unit G of Section 11, Township 20 South, Range 37 East, Lea County, New Mexico, as a triple completion (conventional) in the Skaggs-Drinkard & Skaggs-Glorietta Pools & in an Undesignated Blinebry Gas Pool, with the production of oil from the Drinkard zone to be through a combination string of 2 1/16 inch & 1 1/4 inch tubing, the production of oil from the Glorietta to be through a parallel string of 2 1/16-inch tubing & the production of gas from the Blinebry zone to be through the casing-tubing annulus. Applicant further proposes, as an alternative manner of completion in the event the Blinebry gas cannot efficiently be produced through casing-tubing annulus to produce gas from the Blinebry zone through a string 1-inch tubing.

## BEFORE:

ELVIS UTZ, Examiner

TRANSCRIPT OF HEARING

MR. UTZ: We will call Case Number 2478.

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

MR. KOCH: My name is Sumner S. Koch, of the law firm of Gilbert, White, & Gilbert of Santa Fe, appearing on behalf of Texaco, Inc. We will have one witness.

MR. MORRIS: Will you stand and raise your right hand, please? (Witness complies.) Do you solemnly swear that the testimony you are about to give will be the truth, the whole truth, and nothing but the truth, so help you God?

MR. BLACK: I do.



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C. R. BLACK,

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

DIRECT EXAMINATION

BY MR. KOCH:

Q Would you state your name and occupation?

A I am C.R. Black. I am employed by Texaco, Incorporated  
as a Petroleum Engineer from Midland, Texas.

Q Have you previously testified and been qualified before  
this Commission --

A Yes, sir, I have.

Q -- in the capacity of Petroleum Engineer?

A Yes, sir, I have.

Q Would you please tell the Examiner what the application  
Number 2479 seeks?

A This is the application of Texaco, Inc. to triple com-  
plete its C. H. Weir "B" Well No. 5 in the Drinkard, Blinebry and  
Glorietta formation. These are the Skaggs-Drinkard Pool, the  
Skaggs-Glorietta and Undesignated Blinebry Gas zone.

Q And what is the current status of the well?

A At the present time we have reached the total depth and  
have set casing. The Drinkard formation has been perforated in  
testing and we are in the process of completing the Blinebry zone.

Q Have you prepared a plat showing the immediate areas?



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A Yes, sir I have.

(Whereupon Applicant's Exhibit  
1 marked for identification)

Q It has been entered as Exhibit No. 1 Would you explain that exhibit?

A Exhibit 1 is a plat showing the immediate area surrounding the Texaco C. H. Weir "B" lease. This lease is denoted by the yellow line. It consists of the east half of Section 11, Township 20 south, Range 37 east. The subject-well is circled in red. It is located 1980 feet from the north line of the Section and 1650 feet from the east line. The offset operators and their wells are shown with the appropriate field designation, being shown below each well. Also included on this plat is a list of the offset operators and their addresses.

Q Do you have, or does Texaco have similar triple completions in this area or nearby?

A No, sir, we do not, we have two other C. H. Weir Wells. Well No. 4A is a diagonal and C. H. Weir, A Well No. 7 which is located in the northwest quarter of the southwest quarter of Section 12. These two wells were triply completed in the Drinkard, Glorietta and Eumont Gas Pool. This, to our knowledge, is the first Blinebry gas zone in this immediate area. The nearest Blinebry is in the Monument Pool, however, this is all production. The nearest Blinebry on gas production is some miles to the south. The C. H. Weir Well No. 4 is located in the southwest quarter of Section 12.



It flowed 1761 MCF gas per day. We feel that Blinbry is productive in this well.

Q Have you prepared a diagrammatic sketch of the proposed installation?

A Yes, sir, I have.

(Whereupon, Texaco Inc. Exhibit No. 2 for identification.)

Q That is marked Exhibit 2.

A Exhibit No. 2 is a diagrammatic sketch proposed of the triple completion installation. We did drill an eleven inch hole to 1430 feet. At that point, we set 8 5/8 inch casing. We circulated sacks of cement. We continued with a 7 7/8 to 3927 feet. At that point we had to reduce the hole to 6 3/4 inch and we drilled to a total of 6937 feet. This exhibit was prepared prior to reaching the total depth and the total depth should be amended from 6900 to 6937. At that point we set a 5 1/2 inch casing and cemented with 100,050 sacks and by the use of a temperature survey the actual top of the cement was found to be 2525 feet.

MR. UTZ: That was the top of the cement at 525 feet?

A 2525 feet.

MR. UTZ: That is on the 5 1/2?

A Yes, sir.

Q Do you have information on the crude character of each formation?

A Yes, sir. The Skaggs-Drinkard formation was actually

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perforated from 6830 to 6900. This will be amended to estimated 6870 to 6920, 6885 to 6890.

MR. UTZ: Would you read those again?

A 6870 to 6880, 6885 to 6890. We perforated this section and treated it with acid on a sweeping test. It swept 7° barrels of oil in twenty four hours with no water. We expect an intermediate type crude, intermediate swept crude with API gravity of 35 degrees. The estimated gas oil ratio is from 350 to 1800 cubic feet per barrel. The estimated bottom hole pressure is 2400 PSI and it is anticipated that this well will be artificially lifted initially. The undesignated Blinebry zone will be perforated from 5880 to 5930. We expect a gas zone with a sweet condensate, with a gravity of 58 degrees API. The expected gas oil ratio is 45,000 cubic feet per barrel. We estimated that the bottom hole pressure will be 2500 PSI. We anticipate that this zone will flow to the degree shown and will flow for some fifteen years. The Skaggs-Glorietta will be perforated from 5247 to 5267. We expect an oil complete with a gravity of 40 degrees & PI and the estimated gas oil ratio should be between 300 and 900 cubic feet per barrel and we expect a bottom hole pressure of 1700 PSI. This zone should also be pumped initially.

Q Do you expect any corrosion and paraffin problems?

A In the Blinebry and Drinkard zones we expect no corrosion or paraffin problems. However, noted in the Glorietta zone, we expect mild corrosion, if any, and mild paraffin problems. We will



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conduc' coupon surveys and if we find that there is excessive corrosion in the Glorietta we will commence a corrosion prevention program to treat this. We do plan to plastic coat the upper fifteen feet of the Glorietta duct in order to prevent paraffin.

Q Would you please explain the down hole equipment to be used?

A In this method we will set a Baker Model "D" packer, and a Baker Model "FA" will be set at 5300 feet, and a dual zone flow tube will be latched in the Baker Model "FA" packer. We will then run a string of 1 1/4 inch OD Aztec tubing from 5210 feet into the Baker Model "D" at 6730. The triple completion flow tubing will run on this string of tubing and set in the Baker Model "FA" packer at 5210 from the triple zone flow tube to exhibit the surface. The Drinkard will be produced through a combination string of 2 1/16 inch OD Aztec tubing. We will then run a string of 2 1/16 inch tubing for the Glorietta zone and welatched into the triple zone set at 5210. The Blinebry gas zone will be produced up the annulus of 2 7/8 inches and a 1 1/4 inch Aztec tubing. It will then be dumped on the top of the packer and produced to the annulus.

Q Now, since the notice here called for a possible alternative method of completion for the Blinebry gas, I believe it was, do you have an exhibit to illustrate this method?

A Yes, this would be Exhibit 3. If during the process of completing this well, then we will test the Blinebry zone, and if it is determined that we cannot obtain efficient flow up the





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annulus, in other words, if we are producing condensate in such a volume that we fill up the annulus we propose to triply complete the well so as the Blinebry gas can be produced through a string of one inch tubing. Exhibit 3 shows this proposed installation. In this installation we will set a Baker Model "D" packer at 6730, a Baker Model "FA" packer at 5310 and we will run a dual zone flow tube on a string of 2 1/16 inch OD Aztec tubing and latch into the Baker Model "FA" packer at 5300. Below this dual zone flow tube to from 5310 to 6730 we will run a string of 2 1/16 inch OD Aztec and a 1 1/4 inch Aztec tubing. We will run a Baker parallel anchor at 5280 and we will run a Skaggs-Glorietta at 5247. The Skaggs-Glorietta A zone will be produced through a string of 2 1/16 inch tubing set into this Baker parallel anchor at 5280. The Blinebry will be produced through a string of one inch tubing set in the dual zone flow tube at 5310.

Q You have a log available on this well?

A At the present time we do not have a finished copy of the well available, however, as soon as one is available we will submit it to the Commission.

Q And in your opinion is this installation in the interest of sound conservation practices?

A Yes, sir, I believe it is.

MR. KOCH: We move the introduction of applicant's Exhibit 1, 2, and 3.

MR. UTZ: Without objection applicant's Exhibit 1, 2, and



2 will be entered into the record.

(Whereupon Texaco Exhibit 1, 2  
and 3 admitted into evidence.)

MR. KOCH: That completes our examination.

CROSS EXAMINATION

BY MR. UTZ:

Q Mr. Black, what was the gravity of your Drinkard zone?

A The gravity should be 35 degrees

Q The Glorietta was 58?

A No, sir, the Blinebry, the Glorietta was 40.

Q Yes, sir.

A This is based on other Drinkard and Glorietta gravity  
tests in the area.

Q What is Aztec tubing, how does it differ from the other  
types of tubing?

A It is more or less what you would call a flush joint tub-  
ing, it is very similar to high drill, rather, it doesn't have the  
upset on it.

Q I wonder if you can say why you decided to complete this  
as a conventional triple rather than three strings of small casing?

A No, sir, I cannot give the reason why. That is done by  
another department that I am not familiar with. Our other triple  
completions in this area are conventional and as far as I know they  
were following the same thing possibly.

Q You do have some slim hole completions in the southeast?

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A Yes, sir, we do. We do not have in this. Whether there are any problems which would prevent slim hole completions I can't answer that.

MR. UTZ: Are there any other questions?

CROSS EXAMINATION

BY MR. MORRIS:

Q Mr. Black, did you state what type of well is shown in the northeast of the northwest of Section 11, Southwest Production No. 1?

A No, sir, that is not shown on the plat, however, I have been informed that that is a Eumont oil well.

Q Where is the nearest Blinebry gas production to your proposed triple?

A The exact distances I do not know, it is some miles south in the Blinebry gas field which is below the City of Eunice and this is some ten miles north of the City of Eunice.

Q There are none shown on your plat here?

A To our knowledge there are no Blinebry gas wells in this immediate area, within a five mile radius at least.

Q You feel confident that you will encounter that gas zone?

A Yes, sir, our preliminary logs and field copies of logs have indicated that this zone is present in our well and it is correlative to the drill zone that was drill stem tested in our Well No. 4.

MR. MORRIS: Thank you.

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CROSS EXAMINATION

BY MR. UZZ:

Q Mr. Black, how do you propose to determine whether or not you flow the Blinebry through tubing?

A At the time we test it, if we feel that it is making sufficient condensates so that it will not flow efficiently through the annulus, we feel that in testing this zone as an individual zone during the completion process, we can determine whether it will efficiently flow through the casing. It is my opinion if there is, what you would call substantial, if there is substantial condensate production, certainly we will run the string of one inch tubing.

Q By substantial condensate production would you care to elaborate as to GOR?

A A I would say if the GOR certainly falls below 30,000 to one which we would produce that through tubing. Certainly, if we are producing, in my opinion, more than 20 barrels of condensate a day, we could probably produce that through one inch tubing. We have recently completed our Henderson No. 6 in the Blinebry gas pool. The Blinebry was completed through the string of one inch tubing and we obtained absolute open flow of 6 1/2 MCF feet of gas per day so we feel we can certainly efficiently produce.

Q Did you plan to make this determination from drill stem?

A No, it will be actual completion tests. At the present time we are completing in the Blinebry. We are completing, of course, with a single string of tubing and a packer in the hole.

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Depending on what type of test we get from this zone will determine whether we run the string of tubing or not.

Q I see. What size tubing do you plan to run?

A One inch. That is one inch OD Aztec tubing. The actual nominal idea of that tubing is 1.049. When you get below an inch and a half tubing your nomenclature refers to ID rather than OD.

Q Do you believe that this well could be tested with a GOR of 3,000 or less?

A That is something that I feel not qualified to answer. Our Gas Line Department could determine that.

Q Do you feel that test is a pretty good indication?

A Yes, sir, I have been informed that by obtaining, you can determine if you have efficiency below by 1.4 tests.

MR. UTZ: Are there any other questions? The witness may be excused.

Do you have any further questions?

MR. KOCH: Nothing further.

MR. UTZ: Are there any other statements in this case. The case will be taken under advisement.

(The witness excused.)



STATE OF NEW MEXICO )  
COUNTY OF BERNALILLO ) SS

I, KATHERINE PETERSON, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill, and ability.

*Katherine Peterson*  
COURT REPORTER

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2475, heard by me on Jan. 24, 1962.  
*Ernest A. Velt* Examiner  
New Mexico Oil Conservation Commission

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2475, heard by me on Jan. 24, 1962.  
New Mexico Oil Conservation Commission

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## NEW MEXICO OIL CONSERVATION COMMISSION

Examiner Hearing - Elvis A. Utz

Santa Fe, NEW MEXICOREGISTERHEARING DATE January 24, 1962 TIME: 9 A.M.

NAME:	REPRESENTING:	LOCATION:
O. Seth		A. Fe
Pete Porter	O.C.C.	Santa Fe
Sumner S. Hook	Texas	S. Fe
John F. Lacey	Domino Oil Co.	Midland, N.M. & Texas
James H. Hinkle	" "	Domino Oil Co.
Ch. Black	Texas Inc.	Roswell, N.M.
P. J. McC. Smith	U.S.G.S.	Midland Texas
John M. Campbell	Campbell & Russell	Farrington
E. Peter MacArthur	Union Oil	Roswell
Kenneth A. Swanson	Aster Oil & Gas Co.	Midland
Jim F. Burrows	" "	Dallas
John C. Pearson	Union Oil Co.	"
Joe S. Munnick	Southern Union prod.	Roswell
Bob F. Smith	Verity & Smith	Farrington
Mark E. Stry	State Engr. Office	Texas
A.R. Kendrick	OCC	Santa Fe
D.D. Stokes	Shell Oil Co.	Astec
W.E. Gath	Union Oil	Roswell, N.M.
		Roswell, N.M.

## NEW MEXICO OIL CONSERVATION COMMISSION

EXAMINER HEARING - ELVIS A. UTZSANTA FE, NEW MEXICOREGISTERHEARING DATE JANUARY 24, 1962 TIME: 9 A.M.

NAME:	REPRESENTING:	LOCATION:
Ganett C. Whitworth	El Paso Nat. Gas Co.	El Paso, Tex.
F. Norman Woodruff	" " " "	" "
EDAS. F. MALONE ATWOOD & MALONE	PAN AMERICAN PETR. CORP.	ROSWELL
George W. Eston	" " "	Farmington
Lewis D. Galloway	El Paso Natural Gas Co.	Farmington
Jerry Wilson	El Paso Natural Gas	El Paso



OIL CONSERVATION COMMISSION

P. O. BOX 871  
SANTA FE, NEW MEXICO

March 22, 1962

Texaco Inc.  
P. O. Box 728  
Hobbs, New Mexico

Attention: Mr. H. N. Wade

Gentlemen:

Reference is made to your letter of March 15, 1962, wherein you advise that your C. H. Weir "B" Well No. 5 has been completed as an oil-oil-oil triple in the Skaggs-Drinkard, Skaggs-Glorieta and Undesignated Blinebry oil pools.

This completion is in exception to the authorized completion of said well as an oil-oil-gas triple in the same formations, and your letter requests an amendment of Order No. R-2181 to provide for oil rather than gas to be produced from the Blinebry formation.

It will be necessary to bring this matter to hearing to so amend the order for two reasons. First, any order entered after hearing may be amended only after hearing and secondly, the production of oil through one-inch tubing may not be authorized in any event without a hearing.

Texaco Inc. is, however, hereby authorized to produce all zones of the subject triple completion in accordance with normal procedures until such time as an order in this case

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OIL CONSERVATION COMMISSIO

P. O. BOX 871  
SANTA FE, NEW MEXICO

Texaco Inc.  
March 22, 1962  
-2-

C  
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is entered. It is suggested that you make application for hearing of this matter at your earliest convenience, and that at such hearing you be prepared to show by the result of well observation and testing during this trial period that efficient flow is being obtained and that no problem involving artificial lift will arise.

Very truly yours,

A. L. PORTER, Jr.,  
Secretary-Director

ALP/DSN/og  
cc: Oil Conservation Commission - Hobbs

P.S. Herb, our letter of March 20 authorized production from four zones of your quintuple completion and suggested a hearing at your earliest convenience to get approval for the Paddock. Maybe this well can come on for hearing at the same time as the other one.

ALP

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

February 13, 1962

Mr. Sumner S. Koch  
Gilbert, White & Gilbert  
Box 787  
Santa Fe, New Mexico

Re: CASE NO. 2478

ORDER NO. R-2181

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. 2478  
Order No. R-2181

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 January 24, 1962, 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 12th day of February, 1962, 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 "B" Well No. 5, located in Unit G of Section 11, Township 20 South, Range 37 East, NNPM, Lea County, New Mexico.
- (3) That the applicant proposes to complete said C. H. Weir "B" Well No. 5 as a triple completion (conventional) in such a manner as to permit the production of oil from the Skaggs-Drinkard Pool through a combination string of 2 1/16-inch and 1 1/4-inch tubing, the production of oil from the Skaggs-Glorieta Pool through a parallel string of 2 1/16-inch tubing and the production of gas from an undesignated Blinebry pool through the casing-tubing annulus.

(4) That the applicant further proposes, as an alternative manner of completion in the event the Blinebry gas cannot efficiently be produced through the casing-tubing annulus, to produce gas from the Blinebry zone through a string of 1-inch tubing.

(5) That the subject application should be approved; provided, however, that the Blinebry gas may be produced through the casing-tubing annulus only if a four-point absolute open flow test reflects the Blinebry zone can be efficiently produced in that manner, otherwise, the Blinebry gas should be produced through a parallel string of 1-inch tubing.

IT IS THEREFORE ORDERED:

(1) That the applicant, Texaco Inc., is hereby authorized to complete its C. H. Weir "B" Well No. 5, located in Unit G of Section 11, Township 20 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 Skaggs-Drinkard Pool through a combination string of 2 1/16-inch and 1 1/4-inch tubing, the production of oil from the Skaggs-Glorieta Pool through a parallel string of 2 1/16-inch tubing and the production of gas from an undesignated Blinebry pool through the casing-tubing annulus.

PROVIDED HOWEVER, That the applicant may produce the Blinebry gas through the casing-tubing annulus only if a four-point absolute open flow test reflects the Blinebry zone can be efficiently produced in that manner, otherwise, the Blinebry gas shall be produced through a parallel string of 1-inch tubing.

PROVIDED FURTHER, That the applicant shall complete, operate and produce said triple completion in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations.

PROVIDED FURTHER, That the operator shall take packer leakage tests upon completion and annually 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.

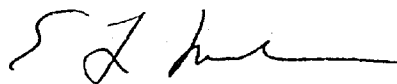
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Case No. 2478

Order No. R-2181

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


STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION



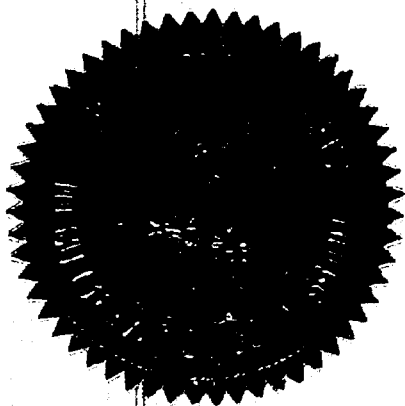
EDWIN L. MECHEM, Chairman



E. S. WALKER, Member



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



ix/

100-2478

**TEXACO**  
INC.

PETROLEUM PRODUCTS



DOMESTIC PRODUCING DEPARTMENT

P. O. BOX 3109  
MIDLAND, TEXAS

December 22, 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 a hearing be set to consider its application for exception to Rule 112-A II (c) and to triple complete its C. H. Weir "B" Well No. 5 in the Skaggs-Drinkard, Undesignated-Blinebry (Gas), and Skaggs-Glorieta Pools. It is anticipated that the Drinkard and Glorieta zones will produce oil and the Blinebry zone will produce gas. In support of our application we wish to state the following facts.

1. TEXACO Inc. is the operator of the east half of Section 11, T-20-S, R-37-E, Lea County, New Mexico. The described acreage is more commonly known as the C. H. Weir "B" Lease.
2. The C. H. Weir "B" Well No. 5 is located in Unit G of Section 11.
3. The Skaggs-Drinkard is anticipated to be an oil completion and will be completed through perforations 6830-6900'. It is proposed to produce the Drinkard through a combination tubing string consisting of 2-1/16" OD Aztec to 5210' and 1-1/4" OD Aztec from 5210 to 6830'. The 1-1/4" OD Aztec tubing is in exception to Rule 112-A II (c).
4. The Undesignated Blinebry is anticipated to be a gas completion and will be completed through perforations 5880-5930'. The Blinebry gas will be produced through a triple zone flow tube to be set at 5210' and through the casing-tubing annulus from 5210' to the surface of the ground.

Noted  
Males  
1-11-62  
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5. The Skaggs-Glorieta is anticipated to be an oil completion and will be completed through perforations 5247-5267'. The Glorieta will be produced through a string of 2-1/16" OD Aztec tubing set at 5210'.
6. It is anticipated that the Drinkard will be completed flowing and the Glorieta will be completed pumping.

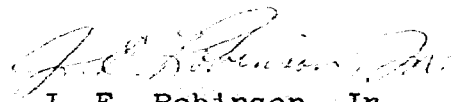
Prior to running triple completion equipment, TEXACO Inc. will test the Blinebry (Gas) zone to determine the volume content, if any, of the produced liquids. If, after taking productive tests of the zone, it is determined that efficient flow may not be obtained by producing the gas through the casing-tubing annulus, the triple completion will be made by the use of two packers, a dual zone flow tube and three strings of tubing. In the event that the well is triply completed in this manner, a Baker Model "D" packer will be set at 6730' and a Baker Model "FA" packer will be set at 5300'. A dual zone flow tube will be latched in the Model "FA" packer. The Drinkard will be produced through a combination string of 2-1/16" OD Aztec and 1-1/4" OD Aztec tubing. The Blinebry gas will be produced through a 1" OD string of tubing. An independent string of 2-1/16 OD Aztec tubing will be run to produce the Glorieta.

It is respectfully requested that the advertising of the hearing be made to include the alternate plan of completion as stated above should the Blinebry produce enough fluids that will prevent efficient flow.

Attached in triplicate are an application for triple completion, a plat of the C. H. Weir "B" Lease, and a diagrammatic sketch of the proposed triple completion installation. It is respectfully requested that this hearing be scheduled on your first available Examiner Hearing docket.

Very truly yours,

TEXACO Inc.



J. E. Robinson, Jr.  
Division Proration Engineer

JERjr.-MM  
Attach.



## NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

TRIPLE  
 APPLICATION FOR ~~INDEX~~ COMPLETION

Field Name		Skaggs Glorieta, Skaggs Drinkard, Undesignated Blinebry Gas		County	Lea	Date	December 8, 1961
Operator		TEXACO Inc.		Lease	C. H. Weir "B"	Well No.	5
Location of Well	Unit	Section	Township	Range			
	G	11	20-S	37-E			

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES \_\_\_\_\_ NO X
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	Skaggs Glorieta	Undesignated Blinebry	Skaggs Drinkard
b. Top and Bottom of Pay Section (Perforations)	5247 - 5267	5880 - 5930	6830 - 6900
c. Type of production (Oil or Gas)	Oil	Gas	Oil
d. Method of Production (Flowing or Artificial Lift)	Artificial Lift	Flowing	Flowing

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

- 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.

Continental Oil Company, P. O. Box 68, Eunice, New Mexico

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

Gulf Oil Company, Drawer 669, Roswell, New Mexico

Humble Oil and Refining Company, P. O. Box 2347, Hobbs, New Mexico

Southwest Production Company, 3108 Southland Center, Dallas, Texas

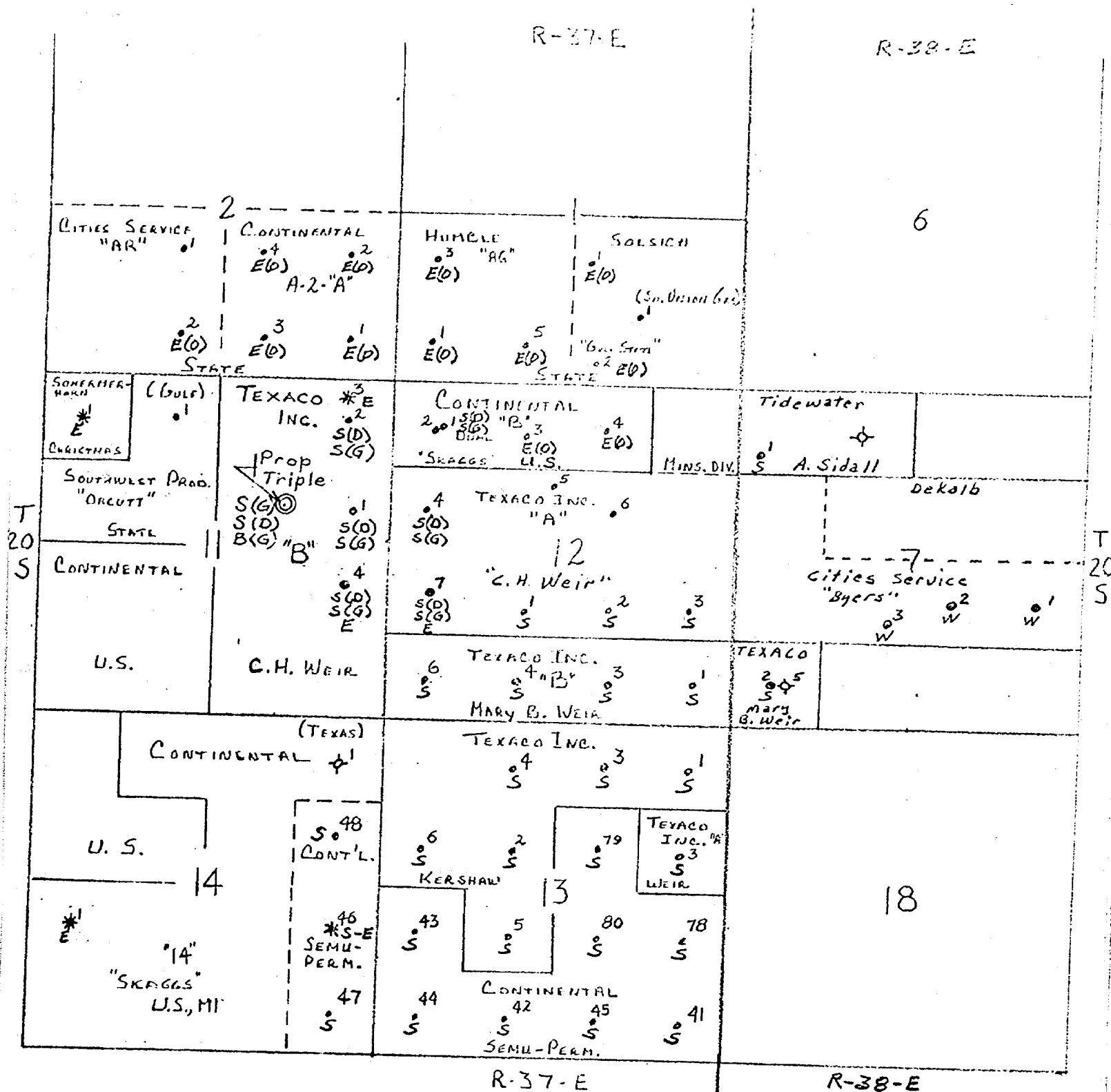
6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES \_\_\_\_\_ NO X. If answer is yes, give date of such notification \_\_\_\_\_

Division  
 CERTIFICATE: I, the undersigned, state that I am the Proration Engineer 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

- \* 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.



Plat of TEXACO Inc.  
C. H. Weir "B" Lease and Offset Leases  
Lea County, New Mexico

Scale: 1" = 2000'

LMF --12-6-61

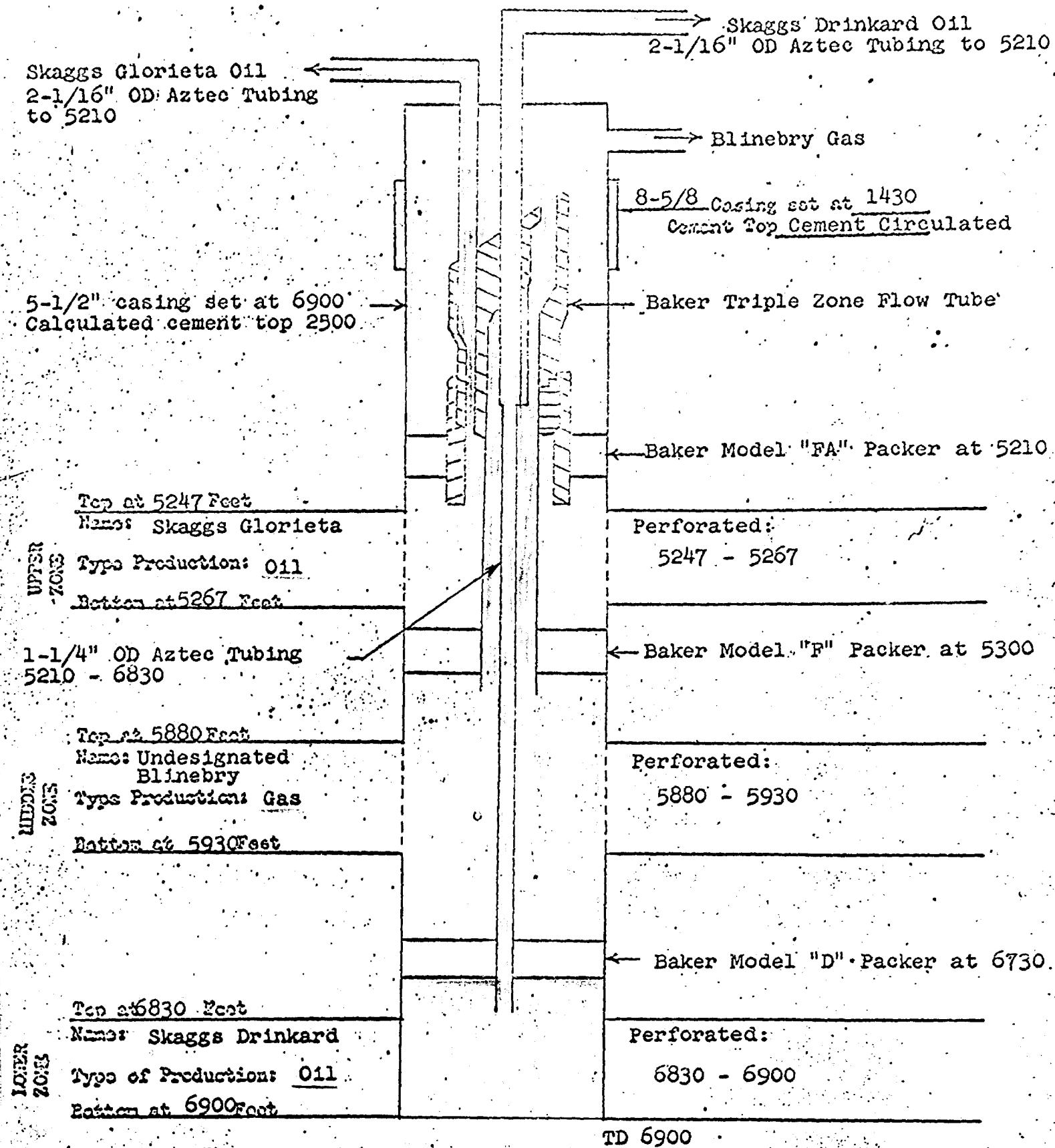
*Class 2478*

LEGEND (Pools)

- S - Skaggs
- S(D) - Skaggs Drinkard
- S(G) - Skaggs Glorieta
- E - Eumont Gas
- E(O) - Eumont Oil
- W - Warren McKee
- B(G) - Blinebry Gas

OFFSET OPERATORS

- Continental Oil Co., Box 68, Eunice, N. Mex.
- Cities Service Oil Co., Box 97, Hobbs, N. Mex.
- Gulf Oil Corp., Drawer 669, Roswell, N. Mex.
- Humble Oil & Ref. Co., Box 2347, Hobbs, N. Mex.
- Southwest Production Co., 3108 Southland Center, Dallas, Tex.



# DIAGRAMMATIC SKETCH-TRIPLE COMPLETION INSTALLATION

COMPANY: TEXACO Inc.  
 LEASE & WELL NO : C. H. Weir "B" Well No. 5  
 FIELD: Skaggs Glorieta, Skaggs Drinkard,  
 and Undesignated Blinebry Gas  
 DATE: December 7, 1961

Case 2478

Heard 1-24-62

Rec. 1-25-62

1. Grant ~~that~~<sup>space</sup> permission to Triple complete their C.W. Weir "B" #5 unit & sec. 11, 205-375. Triple shall be in Skaggs - Glorietta, upper; Undesignated Blinby - Middle; Skaggs - Drinkard Lower, Oil - Gas - Oil respectively.

That Blinby may be produced thru the ~~annulus~~ casing annulus provided a 4 point absolute open flow proves the well can be efficiently produced in this manner. If the 4 point ~~cannot~~ be indicated inefficient flow then the ~~well~~ Blinby shall be produced thru tubing.

Frank W. W.

DOCKET: EXAMINER HEARING - WEDNESDAY - JANUARY 24, 1962

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 Daniel S. Nutter, as alternate examiner:

CASE 2478: 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 "B" Well No. 5, located in Unit G of Section 11, Township 20 South, Range 37 East, Lea County, New Mexico, as a triple completion (conventional) in the Skaggs-Drinkard and Skaggs-Glorieta Pools and in an undesignated Blinebry gas pool, with the production of oil from the Drinkard zone to be through a combination string of 2 1/16-inch and 1 1/4-inch tubing, the production of oil from the Glorieta zone to be through a parallel string of 2 1/16-inch tubing and the production of gas from the Blinebry zone to be through the casing-tubing annulus. Applicant further proposes, as an alternative manner of completion in the event the Blinebry gas cannot efficiently be produced through the casing-tubing annulus, to produce gas from the Blinebry zone through a string of 1-inch tubing.

CASE 2479: Application of Shell Oil Company for a 160-acre non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of a 160-acre non-standard gas proration unit in the Tubb Gas Pool, comprising Lots 13 and 14 of Section 3, and Lots 9 and 16 of Section 4, Township 21 South, Range 37 East, Lea County, New Mexico, said unit to be dedicated to the Livingston Well No. 11, located 3300 feet from the South line and 660 feet from the West line of said Section 3.

CASE 2314 (Reopened)

Application of Shell Oil Company for an exception to the gas-oil ratio provisions of Rule 26(A), Order No. R-1670, Lea County, New Mexico. The Oil Conservation Commission, on its own motion, will reopen Case No. 2314 in which the applicant seeks an exception to the gas-oil ratio provisions of Rule 26(A), Order No. R-1670, to permit its State Well No. 1-A, located 380 feet from the North line and 380 feet

from the West line of Section 26, Township 24 South, Range 36 East, Lea County, New Mexico, to remain classified a gas well in the Jalmat Gas Pool, with a gas-oil ratio below 100,000 to 1.

CASE 2480:

Application of Shell Oil Company for temporary 80-acre proration units, Henshaw-Wolfcamp Pool, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a temporary order establishing 80-acre oil proration units for the Henshaw-Wolfcamp Pool, Eddy County, New Mexico. Applicant further seeks the establishment of special rules for said pool including a provision assigning the 80-acre proportional factor of 4.00 for allowable purposes.

CASE 2481:

Application of El Paso Natural Gas Company for an exception to Order No. R-1670. Applicant, in the above-styled cause, seeks an exception to Rule 14(a) of the General Rules and Regulations for the Prorated Gas Pools of Northwestern New Mexico, Order No. R-1670, to permit the extension from February 1, 1962, to August 1, 1962, of the period during which underproduction of certain wells in the Basin-Dakota Gas Pool, San Juan County, New Mexico, may be produced.

CASE 2482:

Application of El Paso Natural Gas Company for an exception to Order No. R-333-E. Applicant, in the above-styled cause, seeks the establishment of an administrative procedure whereby all operators, for good cause shown, may obtain an exception to Order No. R-333-E to permit the extension of the terminal date for the 1961 deliverability test period from December 15, 1961, to March 1, 1962, and the continued calculation and assignment of allowables to wells so excepted on the basis of currently effective deliverability tests with retroactive adjustment of allowables to February 1, 1962, being made upon the timely filing of the new deliverability test.

CASE 2483:

Application of Aztec Oil & Gas Company for a pressure maintenance project, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute the Aztec Totah Pressure Maintenance Project in Sections 18, 19, 20, 29, 30 and 34, Township 29 North, Range 13 West, San Juan County, New Mexico, in the Totah-Gallup Oil Pool with water injection initially to be through seven wells located in said project area, and requests adoption of special rules to govern the operation of said project.

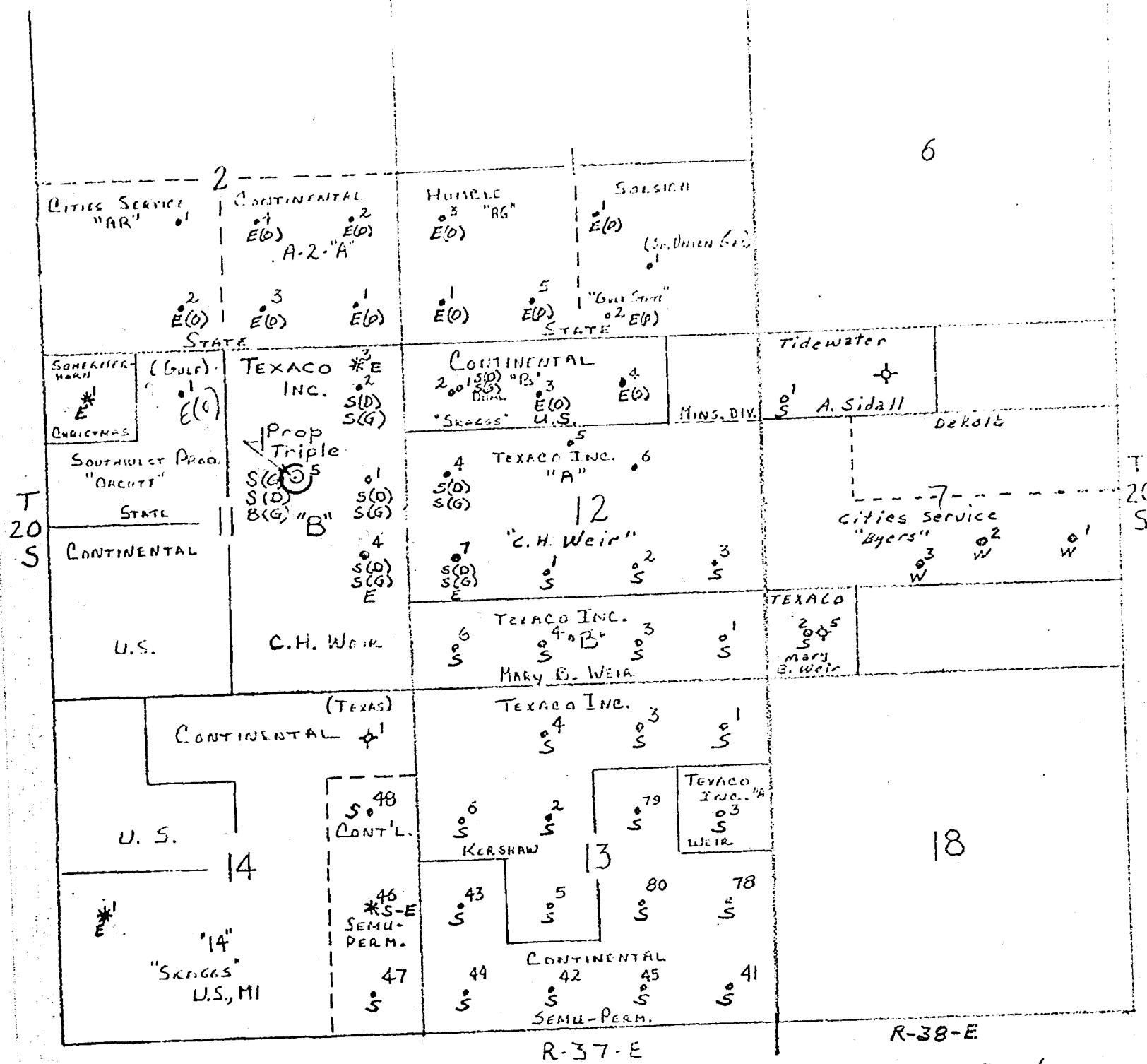
CASE 2484: Application of Tenneco Oil Company for a pressure maintenance project in the Totah-Gallup Oil Pool, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a pressure maintenance project in the Totah-Gallup Oil Pool by the injection of water into the Gallup formation on its Glenn H. Callow Lease in Sections 27, 28 and 33, Township 29 North, Range 13 West, San Juan County, New Mexico. Applicant further proposes the promulgation of special rules and regulations to govern the operation of said project.

CASE 2485: Application of Union Oil Company of California for approval of the Red Tank Unit Agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Red Tank Unit Agreement embracing 3,680 acres, more or less, of Federal lands in Sections 14, 15, 22, 23, 26, 27 and 28, Township 22 South, Range 32 East, Lea County, New Mexico.

CASE 2486: Application of Union Oil Company of California for permission to take interference tests and transfer allowables, Anderson Ranch-Wolfcamp Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to take interference tests and to transfer allowables between eight wells in the Anderson Ranch-Wolfcamp Pool located in Sections 28 and 33, Township 15 South, Range 32 East, Lea County, New Mexico.

R-37-E

R-38-E



Plat of TEXACO Inc.  
C. H. Weir "B" Lease and Offset Leases  
Lea County, New Mexico  
Scale: 1" = 2000' LMF --12-6-61

#### OFFSET OPERATORS

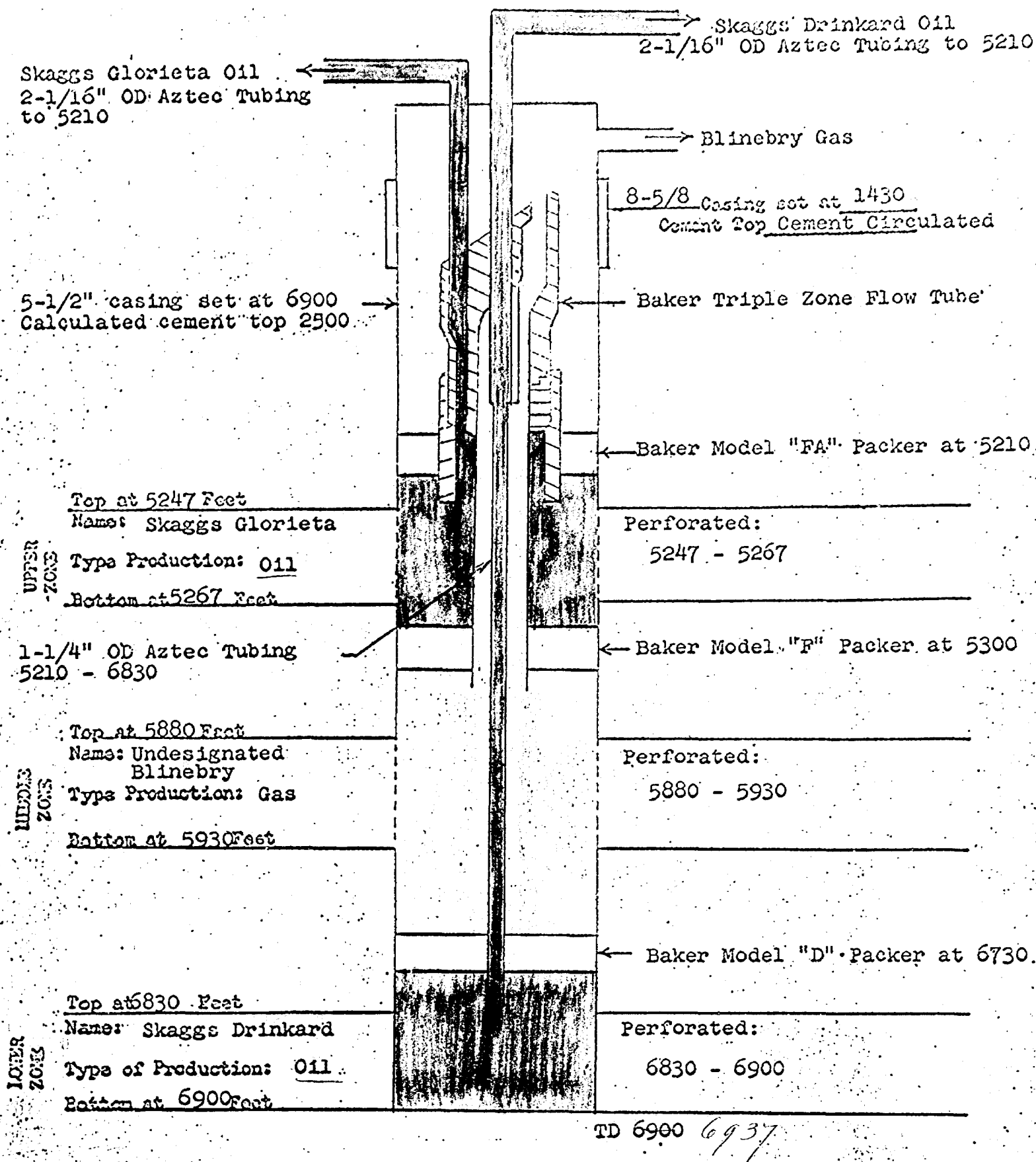
Continental Oil Co., Box 68, Eunice, N. Mex.  
Cities Service Oil Co., Box 97, Hobbs, N. Mex.  
Gulf Oil Corp., Box 1938, Roswell, N. Mex.  
Humble Oil & Ref. Co., Box 2347, Hobbs, N. Mex.  
Southwest Production Co., 3108 Southland Center, Dallas, Tex.

#### LEGEND (Pools)

S - Skaggs  
S(D) - Skaggs Drinkard  
S(G) - Skaggs Glorieta  
E - Eumont Gas  
E(O) - Eumont Oil  
W - Warren McKee  
B(G) - Blinbry Gas

EX 1  
2478



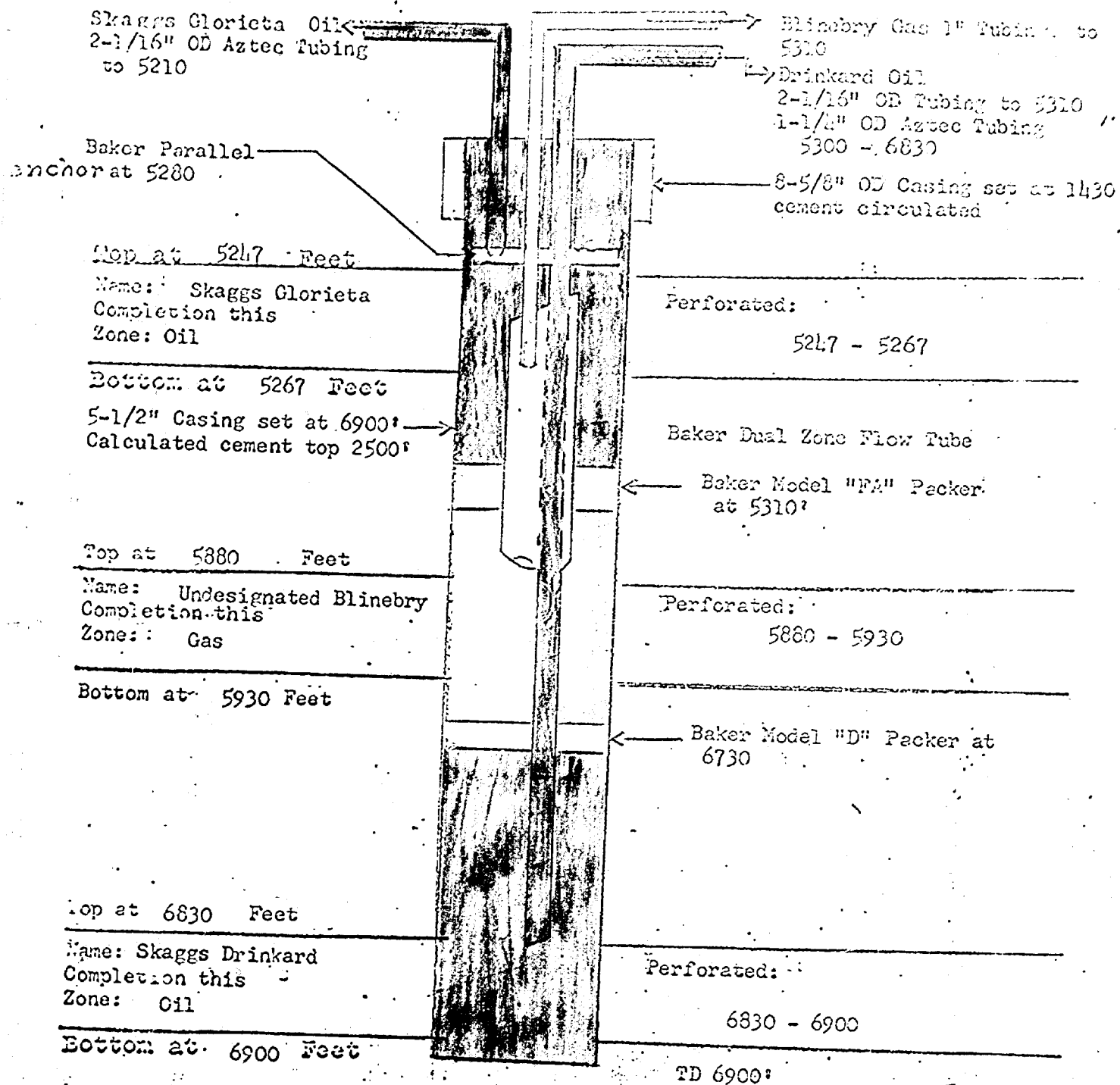


# DIAGRAMMATIC SKETCH-TRIPLE COMPLETION INSTALLATION

COMPANY: TEXACO Inc.  
 LEASE & WELL NO : C. H. Weir "B" Well No. 5  
 FIELD: Skaggs Glorieta, Skaggs Drinkard,  
 and Undesignated Blinebry Gas  
 DATE: December 7, 1961

*Handwritten signature/initials*

# DIAGRAMMATIC SKETCH OF TRIPLE COMPLETION INSTALLATION



COMPANY:  
LEASE:  
FIELD:

TEXACO Inc.

C. H. Weir "B" Well No. 5

Skaggs Glorieta, Skaggs Drinkard & Undesignated Blinebry Gas

DATE:

January 10, 1962

Ex 3

2479

Alternative method

10 X 10 TO THE 1/2 INCH 359-12  
K&S REUTEL MASTER 10



PAN AMERICAN PETROLEUM CORPORATION  
SAN JUAN & RIO ARriba COUNTIES, NEW MEXICO

Wells Not Completing 1961 Deliverability Tests

	<u>Well Name</u>	<u>Location</u>
1.	El Paso System	
	Jicarilla Contract 146 No. 10	N- 9-25-5
	Jicarilla Contract 146 No. 11	K- 4-25-5
	Jicarilla Contract 155 No. 12	K-32-26-5
	Jicarilla Contract 155 No. 13	I-30-26-5
2.	Southern Union System	
	Johnson "B"	H-21-27-10
	Fred Feasel "G"	K- 2-27-10
	Fred Feasel "H"	H-33-28-10
	J. F. Day "E"	L-17-28-10
	R. P. Hargrave "H"	B- 9-27-10
	E. H. Pipkin No. 5	B-36-28-11
	Davidson "F"	M-28-28-10
	Davidson "G"	H-21-28-10
	Fred Feasel "J"	G-34-28-10
	M. N. Galt "H"	L- 1-27-10
3.	El Paso System	
	State Gas Unit "J"	A-36-30-9
4.	El Paso System	
	Jicarilla Contract 155 No. 5	D-31-26-5