

CASE 3600: Application of TEXACO
INC. for a dual completion, EDDY
COUNTY, NEW MEXICO.

CASE No.
3600

Application,
TRANSCRIPTS,
SMALL Exhibits
ETC.

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
EXAMINER HEARING

June 28, 1967

IN THE MATTER OF:)

Application of Texaco Inc.,)
for a dual completion,)
Eddy County, New Mexico.)

Case No. 3600

BEFORE: Elvis A. Utz, Examiner.

TRANSCRIPT OF HEARING

MR. UTZ: Case 3600.

MR. HATCH: Application of Texaco Inc., for a dual completion, Eddy County, New Mexico.

MR. KELLY: Booker Kelly, Gilbert, White, Koch and Kelly of Santa Fe appearing on behalf of the Applicant.

I have one witness and ask that he be sworn.

(Witness sworn.)

(Whereupon, Applicant's Exhibits 1 through 5 were marked for identification.)

CARL L. WHIGHAM

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

DIRECT EXAMINATION

BY MR. KELLY:

Q Mr. Whigham, for the record, would you state your name, position and employer?

A My name is Carl L. Whigham. I am employed by Texaco, Incorporated in Midland, Texas as Division Proration Engineer.

Q Have you previously testified as a petroleum engineer before this Commission?

A Yes, sir.

Q Would you state what Texaco seeks by this application, referring to what has been marked Exhibit No. 1?

A Texaco seeks an order from the Commission authorizing the dual completion of its Cotton Draw Unit Well No. 65, located in Unit G of Section 2, Township 25 South, Range 31 East in Eddy County, New Mexico, as shown on Exhibit No. 1. The well is circled in red.

Q Now this area is all united, is that right?

A Yes, it is.

Q And Texaco is the operator?

A Texaco has fifty percent interest in this unit and Pauley Petroleum Corporation has fifty percent interest in this unit that is comprised of approximately 35,000 acres.

Q So those two are the only offset operators? What is the history of this well in its present status?

A The well has been drilled and completed. It was drilled to a total depth of 19,046 feet to test the Devonian and was subsequently plugged back and dually completed in the Wolfcamp interval and in the Morrow interval. At the present time the well is being produced from the Morrow and the gas is being sold to New Mexico Electric Service Company. The Wolfcamp zone has been completed and tested but it is shut-in and its production is pending approval of the Commission of this dual completion application.

Q I take it these two zones have not been dually completed in the area?

A No, sir.

Q Referring to what has been marked Exhibit 2, your diagrammatic sketch, would you explain the installation that you propose here and its corollary, Exhibit No. 3, which is a blowup?

A Exhibit No. 2 shows the casing setting program that was employed in this well. 36-inch hole was drilled and 20-inch surface casing was set at 600 feet and the cement circulated to the surface. 300 sacks of cement was used. After that 13-3/8ths casing was set at a depth of 4,365 feet with 4,300 sacks of cement and the cement on this cementation circulated to the surface also.

Following that, 10-3/4-inch casing was set at a depth of 12,570 feet with 2,200 sacks of cement. The top of the cement on this cementation came to a depth of 3,555 feet. Then upon reaching the total depth and plugging back an 8-5/8ths-inch liner was set at a depth of 16,250 feet with 2,350 sacks of cement and this cement came up to the top of the liner.

Then following completion and testing, a string of 8-5/8ths-inch casing was run and tied into the 8-5/8ths-inch liner. This casing string was cemented with 1230 sacks of cement and the cement top rose to a depth between the surface casing shoe and the surface. This was indicated by a temperature survey.

This sketch also shows the area in the lower portion of the hole which is depicted by more detailed sketch which we have entered here as Exhibit No. 3. This shows the tubing and packer arrangement that has been installed to produce these two intervals.

Q Do you feel that the proposed installation will insure that there will be no commingling in the two zones?

A Yes. The Baker A-5 dual packer and the Baker Model D packer will effectively segregate and separate the production from these two intervals.

Q Now, have you prepared an exhibit showing the comparative characteristics of the two zones?

A Yes. Exhibit No. 4 is a tabulation that gives the primary and pertinent reservoir and fluid characteristics. We list briefly the depth of completion, the porosity of the two zones, the permeability of the two zones, the gravity of the gas and condensate, the bottomhole pressure, the water cut and the production capacity. I think it's significant to note from this exhibit that neither of the two zones have produced any water. The Morrow zone produces dry gas without condensate and the Wolfcamp zone produces some condensate along with the gas.

Q You wouldn't expect to have any particular corrosion problem?

A No, we do not anticipate any corrosion problem.

Q Now, Exhibit 4 is a log of the subject well, is that right?

A Yes, that's correct. We have shown the completion intervals and the tops of the formations on that electric log.

Q In your opinion would the granting of this application protect correlative rights and help insure that the gas would be produced in an effective and efficient manner?

A Yes, sir.

Q Were Exhibits 1 through 4 prepared by you or under your supervision?

A Yes, sir, they were.

MR. KELLY: We move the introduction of Exhibits 1 through 5, 5 being the log of the well.

MR. UTZ: Without objection, Exhibits 1 through 5 will be entered into the record of this case.

(Whereupon, Applicant's Exhibits 1 through 5 were offered and admitted in evidence.)

MR. KELLY: That's all I have on direct.

MR. UTZ: I only have two comments, that sure is a pretty Exhibit No. 2.

THE WITNESS: Thank you.

CROSS EXAMINATION

BY MR. UTZ:

Q This isn't exactly a slim hole completion, is it?

A No, sir, it sure isn't.

Q Can't remember having 15 feet of 8-5/8ths around a well before.

A In two stages. The well appears to be very adequately cased and cemented.

Q Yes, I would agree to that.

A You may recall that some difficulty was encountered on a previously drilled well in that area so Texaco did take special precautions in drilling and completing this well.

Q It looks like you might have pretty good reserves.

A Yes, sir.

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

(Witness excused.)

MR. UTZ: The case will be taken under advisement.

I N D E X

<u>WITNESS</u>	<u>PAGE</u>	
CARL L. WHIGHAM		
Direct Examination by Mr. Kelly	2	
Cross Examination by Mr. Utz	7	
<u>EXHIBITS</u>	<u>MARKED</u>	<u>OFFERED AND ADMITTED</u>
Applicant's 1 through 5	2	6

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SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

1120 SIMMS BLDG. • P.O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO 87101
1400 FIRST NATIONAL BANK EAST • PHONE 256-1294 • ALBUQUERQUE, NEW MEXICO 87108

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss

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

Witness my Hand and Seal this 30th day of June, 1967.

Ada Dearnley
NOTARY PUBLIC

My Commission Expires:
June 19, 1971.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 3602, heard by me on June 28, 1967.

Ernest W. [Signature], Examiner
New Mexico Oil Conservation Commission

NEW MEXICO OIL CONSERVATION COMMISSION CEIVE 6-1-56
SANTA FE, NEW MEXICO

JUN 23 1967

PACKER-SETTING AFFIDAVIT
(Dual Completions)

O. S. C.
ARTESIA, OFFICE

STATE OF NEW MEXICO)
County of LEA) ss

ROBERT A. STEELMAN, being first duly sworn according to law, upon his oath deposes and says:

That he is of lawful age and has full knowledge of the facts herein below set out.

That he is employed by TEXACO Inc. in the capacity of Foreman (Drilling) and as such is its authorized agent.

That on May 21, 1967, he personally supervised the setting of a Baker Model D in TEXACO Inc.'s
(Make and Type of Packer) (Operator)
Cotton Draw Unit Well No. 65, located in Unit
(lease)
Letter G, Section 2, Township 25-S, Range 31-E, NMPM,
Eddy County, New Mexico.

That said packer was set at a subsurface depth of 14,700 feet, said depth measurement having been furnished by Schlumberger - Wire Line.

That the purpose of setting this packer was to effect a seal in the annular space between the two strings of pipe where the packer was set so as to prevent the commingling, within the well-bore, of fluids produced from a stratum below the packer with fluids produced from a stratum above the packer. That this packer was properly set and that it did, when set, effectively and absolutely seal off the annular space between the two strings of pipe where it was set in such manner as that it prevented any movement of fluids across the packer.

TEXACO Inc.
(Company)

Robert A. Steelman
(its Agent)

Subscribed and sworn to before me this the 20th day of June, AD, 1967.

James Redmond
Notary Public in and for the County
of Lea

My Commission Expires June 20, 1969.

MAIN OFFICE

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GOVERNOR
DAVID F. CARGO
CHAIRMAN

State of New Mexico
Oil Conservation Commission



LAND COMMISSIONER
GUYTON B. HAYS
MEMBER

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

P. O. BOX 2088
SANTA FE

July 10, 1967

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

Re: Case No. 3600
Order No. R-3266
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.
Secretary-Director

ALP/ir

Carbon copy of order also sent to:

Hobbs OCC x
Artesia OCC x
Aztec OCC _____
Other _____

Case 3660

Heard. 6-28-67

Rec. 6-28-67

1. Approve Texas's request for a
dual (concurrent) for other Cotton
Draw Unit #65 S-2-255-316.

~~2. For~~ The Undesignated Morrow &
Wolfcamp Gas zones shall be produced
through 2nd 8' Tbg. with packers sep-
erating the zones.

Shoolcraft

Docket No. 19-67

DOCKET: EXAMINER HEARING - WEDNESDAY - JUNE 28, 1967

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, Alternate Examiner:

CASE 3598: Application of Dugan Production Corporation for the creation of a new gas pool, special pool rules and three unorthodox gas well locations, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the creation of the North Shiprock-Gallup Gas Pool in Section 14, Township 30 North, Range 18 West, San Juan County, New Mexico and the promulgation of special rules therefor including a provision to authorize exception to the pump-plug method of cementing prescribed by Rule 107 (a). Applicant also seeks authority to meter production from all wells on its Shiprock lease in said pool through one meter and to allocate production from the individual wells on the basis of well tests. Applicant further seeks approval of the unorthodox gas well locations for its Shiprock Well No. 5 located 1650 feet from the North line and 1870 feet from the East line, its Shiprock Well No. 7 located 990 feet from the North line and 2310 feet from the West line, and its Shiprock Well No. 8 located 2310 feet from the South line and 660 feet from the East line, all in Section 14, Township 30 North, Range 18 West.

CASE 3599: Application of Franklin, Aston and Fair, Inc. for a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project by the injection of water into the Grayburg-San Andres formations through two wells located in Unit E of Section 17 and Unit A of Section 18, Township 17 South, Range 31 East, Grayburg-Jackson Pool, Eddy County, New Mexico.

CASE 3600: Application of Texaco Inc., for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the dual completion (conventional) of its Cotton Draw Unit Well No. 65, located in Unit G of Section 2, Township 25 South, Range 31 East, Eddy County, New Mexico, to produce gas from an undesignated Wolfcamp gas pool and gas from an undesignated Morrow gas pool through parallel strings of tubing.

CASE 3601: Application of Walker Brothers Oil Company and Tesoro Petroleum Corporation for an exception to Rule 104 C I, McKinley County, New Mexico. Applicant, in the above-styled cause, seeks an exception to the well location requirements of Rule 104 C I to permit the drilling of more than one well on a 40-acre tract, said wells being located closer than 660 feet to each other and with each 40-acre tract being subject to a single 40-acre allowable. The above exceptions for the South Hospah Upper Sand Oil Pool and the South Hospah Lower Sand Oil Pool, McKinley County, New Mexico, would be applicable to Walker's Hansen Lease comprising the S/2 of Section 6, and Walker's Santa Fe Lease comprising the N/2 and

and SW/4 of Section 7, both in Township 17 North, Range 8 West and to Tesoro's Santa Fe Lease comprising the SE/4 of Section 1, Township 17 North, Range 9 West.

CASE 3602: Application of Amerada Petroleum Corporation for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its State WE "K" Well No. 1 located in Unit F of Section 15, Township 21 South, Range 35 East, Lea County, New Mexico, in such a manner as to permit the production of gas from an undesignated Wolfcamp gas pool and gas from an undesignated Morrow gas pool through parallel strings of tubing.

CASE 3603: Application of Continental Oil Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Langlie Jack Unit Area comprising 680 acres, more or less, of Federal and Fee lands in Township 24 South, Range 37 East, Lea County, New Mexico.

CASE 3604: Application of Continental Oil Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in its Langlie Jack Unit Area by the injection of water into the Seven Rivers-Queen formations through 8 injection wells in Sections 17, 20, 21, and 29, Township 24 South, Range 37 East, Langlie-Mattix Pool, Lea County, New Mexico.

CASE 3605: Application of Walter Duncan for a casing-cementing exception, and for an unorthodox location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to complete his North Hogback 1 Well No. 5 at an unorthodox Dakota oil well location 2466 feet from the North line and 2310 feet from the East line of Section 1, Township 29 North, Range 17 West, San Juan County, New Mexico. Applicant further seeks an exception to the provisions of Rule 107(a) concerning cementing of casing.

CASE 3606: Application of Bell Petroleum Company for salt water disposal and a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to complete its State "K" Well No. 1 located in Unit K of Section 21, Township 11 South, Range 33 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the North Bagley-Lower Pennsylvanian formation and the disposal of produced salt water through the intermediate casing-production casing annulus into the San Andres and other formations included in the open-hole interval from 3845 feet to 7800 feet.

June 28, 1967 Examiner Hearing

Docket No. 19-67

CASE 3607:

Application of Stoltz & Company for an amendment to Order No. R-3238, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the amendment to Order No. R-3238, which order authorized the disposal of produced salt water into a playa lake in Sections 12 and 13, Township 10 South, Range 32 East, and Sections 6 and 7, Township 10 South, Range 33 East, Lea County, New Mexico. Applicant seeks to alter the location of the three observation wells required by said order. Alternate locations proposed by applicant are as follows: one well 300 feet from the South line and 1100 feet from the West line; one well 600 feet from the South line and 1400 feet from the East line; one well 2400 feet from the South line and 1100 feet from the East line, all in Section 7, Township 10 South, Range 33 East. Applicant further seeks the amendment to Order No. R-3238 to alter the location of two of the three permanent water level markers required by said order. Applicant proposes one marker on the North shore of the lake in lieu of the marker required in the SW/4 SE/4 of Section 6 and one marker on the East shore of the lake in lieu of the marker required in the SE/4 NW/4 of Section 7.

TEXACO
INC.

PETROLEUM PRODUCTS



June 9, 1967

DRAWER 723
HOBBS, NEW MEXICO 88240

Case 3600

MAIN OFFICE 0 - 7

'67 JUN 12 AM 8

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

Re: Dual Completion
TEXACO Inc. Cotton Draw Unit #65,
Eddy County, New Mexico

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

Gentlemen:

Attached please find a map of the Cotton Draw Unit area
to supplement the one contained in our letter of June 7, 1967
which requested an Examiner Hearing for the subject dual com-
pletion.

If you have any questions on the application, please
advise.

Yours very truly,

E. D. McCarter

E. D. McCarter
District Proration Engineer

EDMc-bh

Attachment

MAIN

'67 !

DOCKET MAILED

Date 6/15/67

TEXACO
INC.

PETROLEUM PRODUCTS



RECEIVED
JUN 8 1967
PH 17

DRAWER 728

HOBBS, NEW MEXICO 88240

June 7, 1967

Check 26.00
REQUEST FOR HEARING
DUAL COMPLETION
EDDY COUNTY, NEW MEXICO

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

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

Gentlemen:

TEXACO Inc. respectfully requests that its request for the dual completion of its Cotton Draw Unit Well No. 65 be included on the next regularly scheduled hearing docket.

TEXACO's Cotton Draw Unit Well No. 65 is located in Unit G, Section 2, T-25-S, R-31-E, Eddy County, New Mexico. This well is currently completing in an undesignated Wolfcamp and an undesignated Morrow formations. This well will be a dual gas completion.

Attached please find in triplicate, New Mexico Oil Conservation Commission Form C-107 which sets forth the pertinent information.

Yours very truly,

E. D. McCarter

E. D. McCarter
District Proration Engineer

EDMc-jr

Attachment

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

Form C-107
5-1-61

200
3600

Operator TEXACO Inc.		County Eddy	Date June 7, 1967
Address P. O. Box 728 - Hobbs, New Mexico		Lease Cotton Draw Unit	Well No. 65
Location of Well G	Unit 2	Township 25-S	Range 31-E

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO X
2. If answer is yes, identify one such instance: Order No. _____ ; Operator Lease, and Well No.: _____

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Undesignated (Wolfcamp)		Undesignated (Morrow)
b. Top and Bottom of Pay Section (Perforations)	12,785' - 12,851'		14,787' - 14,867'
c. Type of production (Oil or Gas)	Gas		Gas
d. Method of Production (Flowing or Artificial Lift)	Flow		Flow

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

- | Yes | No | |
|-------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.* |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.) |

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

TEXACO Inc. and Pauley Petroleum own all offsetting acreage on a 50%-50% basis.

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

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

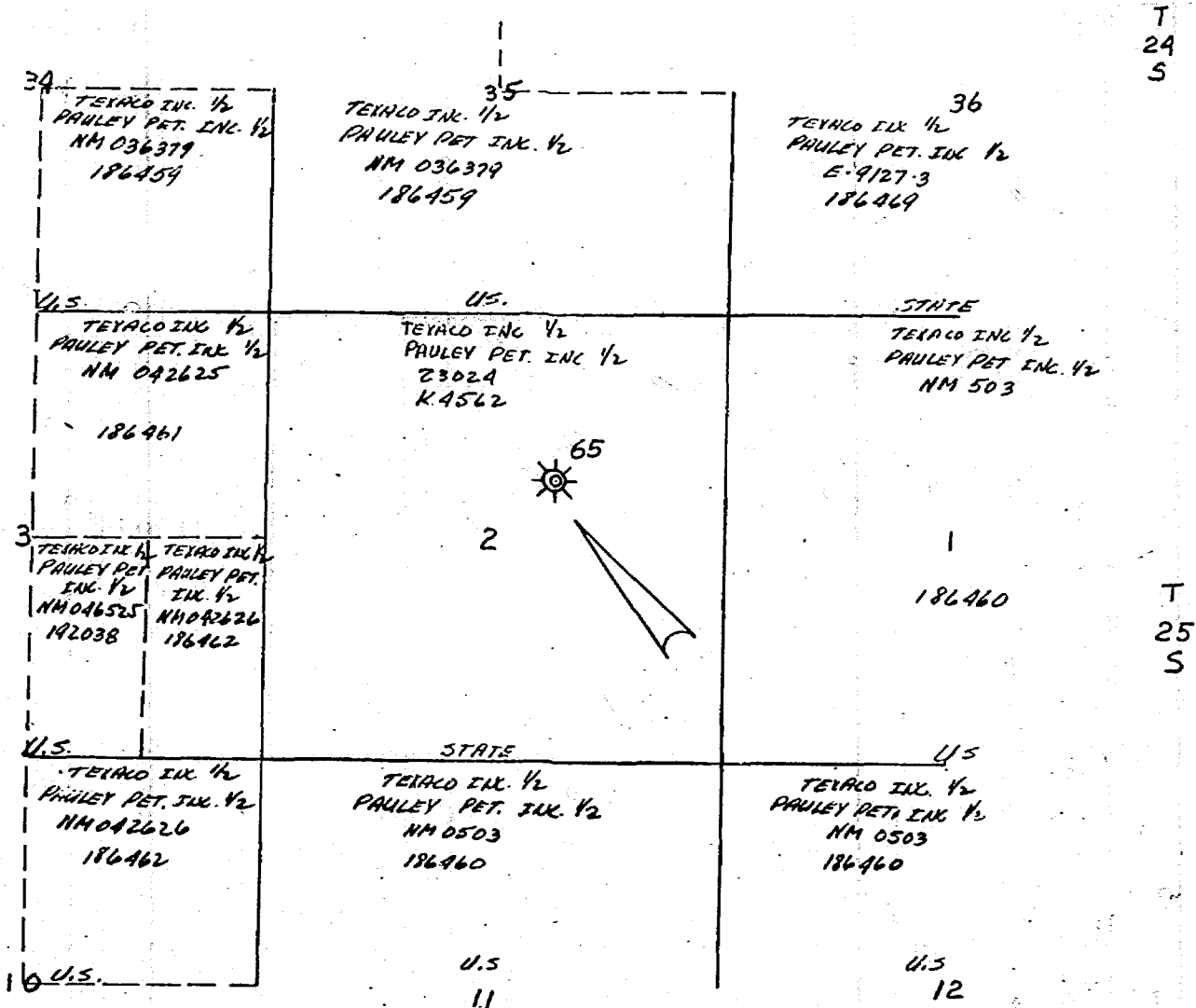
J. G. Blevins, Jr.
J. G. Blevins, Jr. Signature

*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 multiple completion will result in an unorthodox well location and/or a non-standard perforation unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

Case 3600

R-31-E



PORTION OF COTTON DRAW UNIT
TEXACO INC. - OPERATOR
EDDY COUNTY, NEW MEXICO
SCALE 1" = 2000'

SEE DETAIL
DIAGRAMATIC
SKETCH OF
THIS INTERVAL

Sq. Perf. @
12,695, 12,950
& 15,075' with
1,200 sx.

Surf. Csg.
20"

2-7/8" Tbg.

36" hole

300 Sx. Cmt.

600'

13-3/8" Csg.

4300 Sx. Cmt.

Top Cmt. 3,555'

4,365'

10-3/4" Csg.

2,200 Sx. Cmt.

8-5/8" Csg.

1,230 Sx. Cmt.

Top of liner 11,553'

12,570'

8-5/8" liner

2,350 Sx. Cmt.

CIBP @ 15,050'

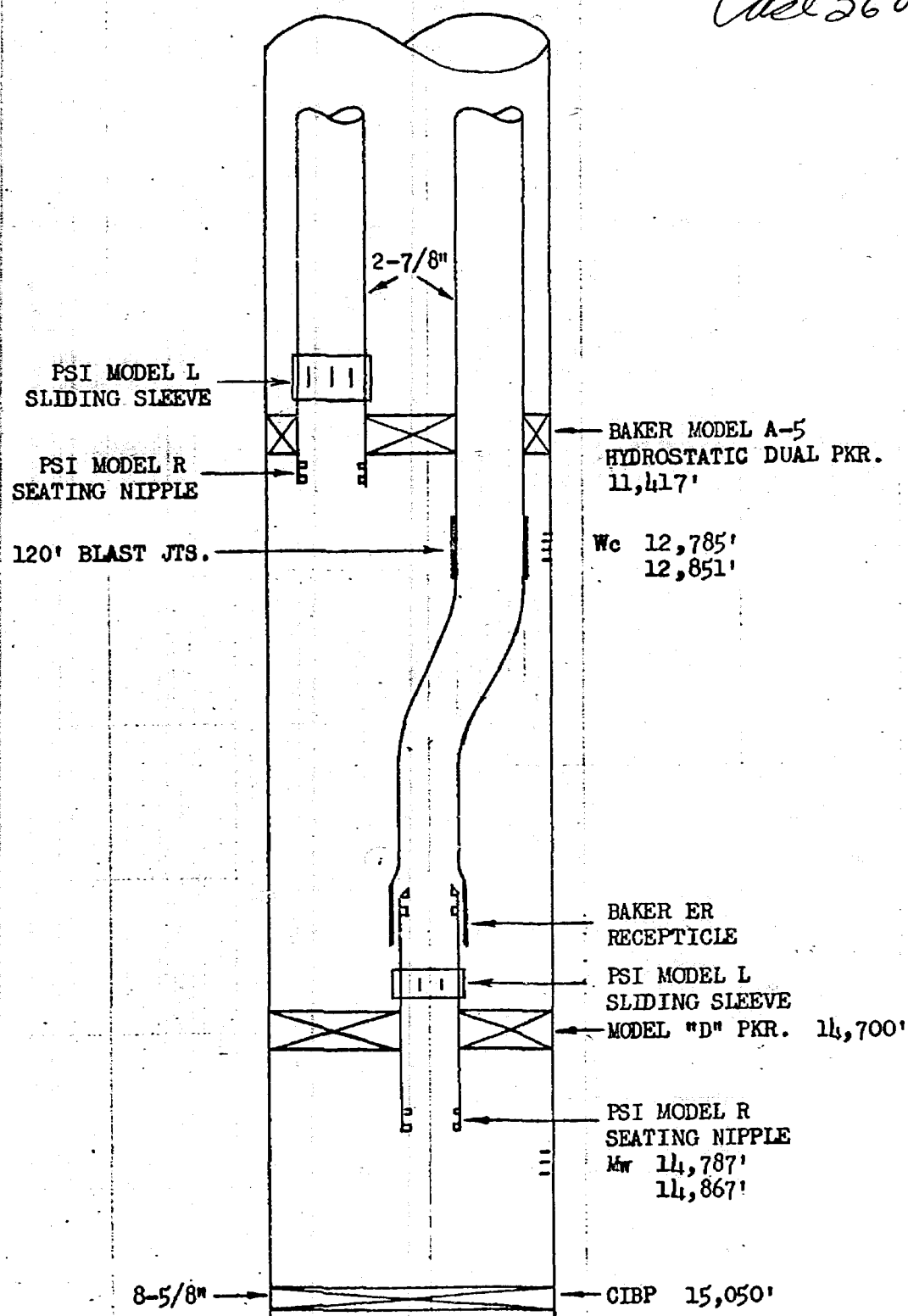
Top Cmt. Plug @ 16,070'
16,250'

TOTAL DEPTH 19,546'

DIAGRAMATIC SKETCH
COTTON DRAW UNIT NO. 65
TEXACO Inc.

Case 3600

Case 3600



DETAIL
DIAGRAMATIC SKETCH
COTTON DRAW UNIT NO. 65

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. 3600
Order No. R-3266

APPLICATION OF TEXACO INC. FOR A
DUAL COMPLETION, EDDY COUNTY, NEW
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on June 28, 1967,
at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 10th day of July, 1967, the Commission, a
quorum being present, having considered the testimony, the record,
and the recommendations of the Examiner, and being fully advised
in the premises,

FINDS:

- (1) That due public notice having been given as required by
law, the Commission has jurisdiction of this cause and the subject
matter thereof.
- (2) That the applicant, Texaco Inc., seeks authority to
complete its Cotton Draw Unit Well No. 65, located in Unit G of
Section 2, Township 25 South, Range 31 East, NMPM, Eddy County,
New Mexico, as a dual completion (conventional) to produce gas
from an undesignated Wolfcamp gas pool and gas from an undesignated
Morrow gas pool through parallel strings of 2 7/8-inch
tubing, with separation of zones by a packer set at approximately
14,700 feet.
- (3) That the mechanics of the proposed dual completion are
feasible and in accord with good conservation practices.
- (4) That approval of the subject application will prevent
waste and protect correlative rights.

-2-

CASE No. 3600
Order No. R-3266

IT IS THEREFORE ORDERED:

(1) That the applicant, Texaco Inc., is hereby authorized to complete its Cotton Draw Unit Well No. 65, located in Unit G of Section 2, Township 25 South, Range 31 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from an undesignated Wolfcamp gas pool and gas from an undesignated Morrow gas pool through parallel strings of 2 7/8-inch tubing, with separation of zones by a packer set at approximately 14,700 feet;

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take packer-leakage tests upon completion and annually thereafter during the Annual Shut-in Pressure Test Period for the undesignated Morrow gas pool.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

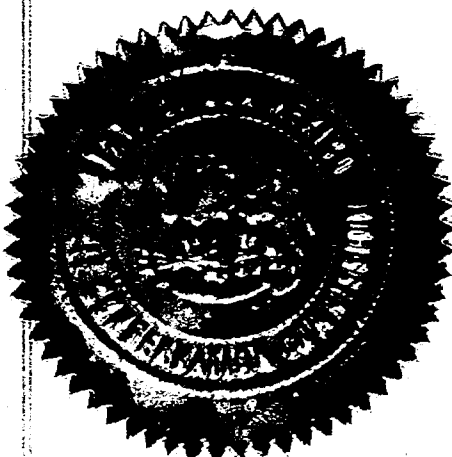
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

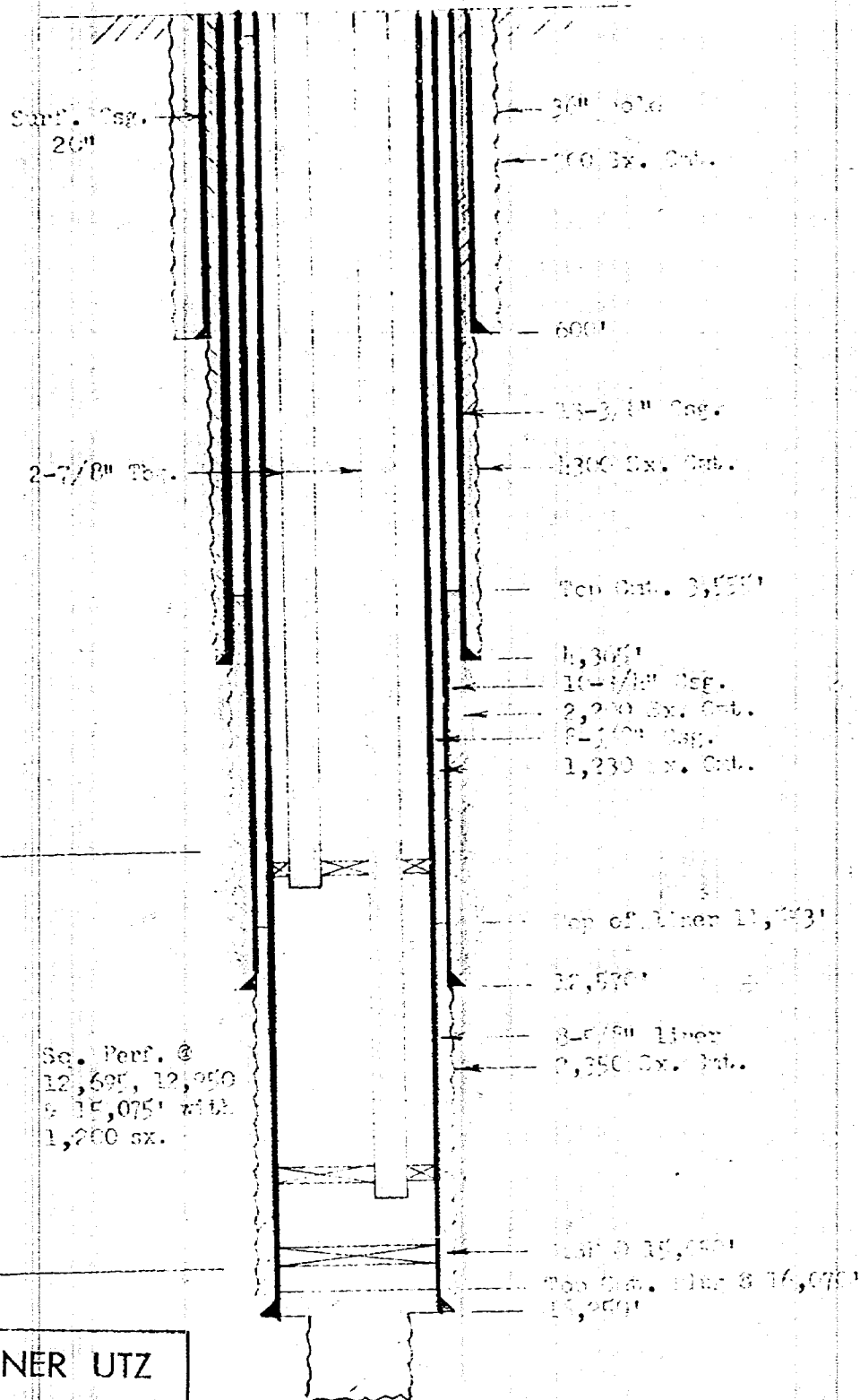

DAVID F. CARGO, Chairman


GUYTON B. HAYS, Member


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



esr/



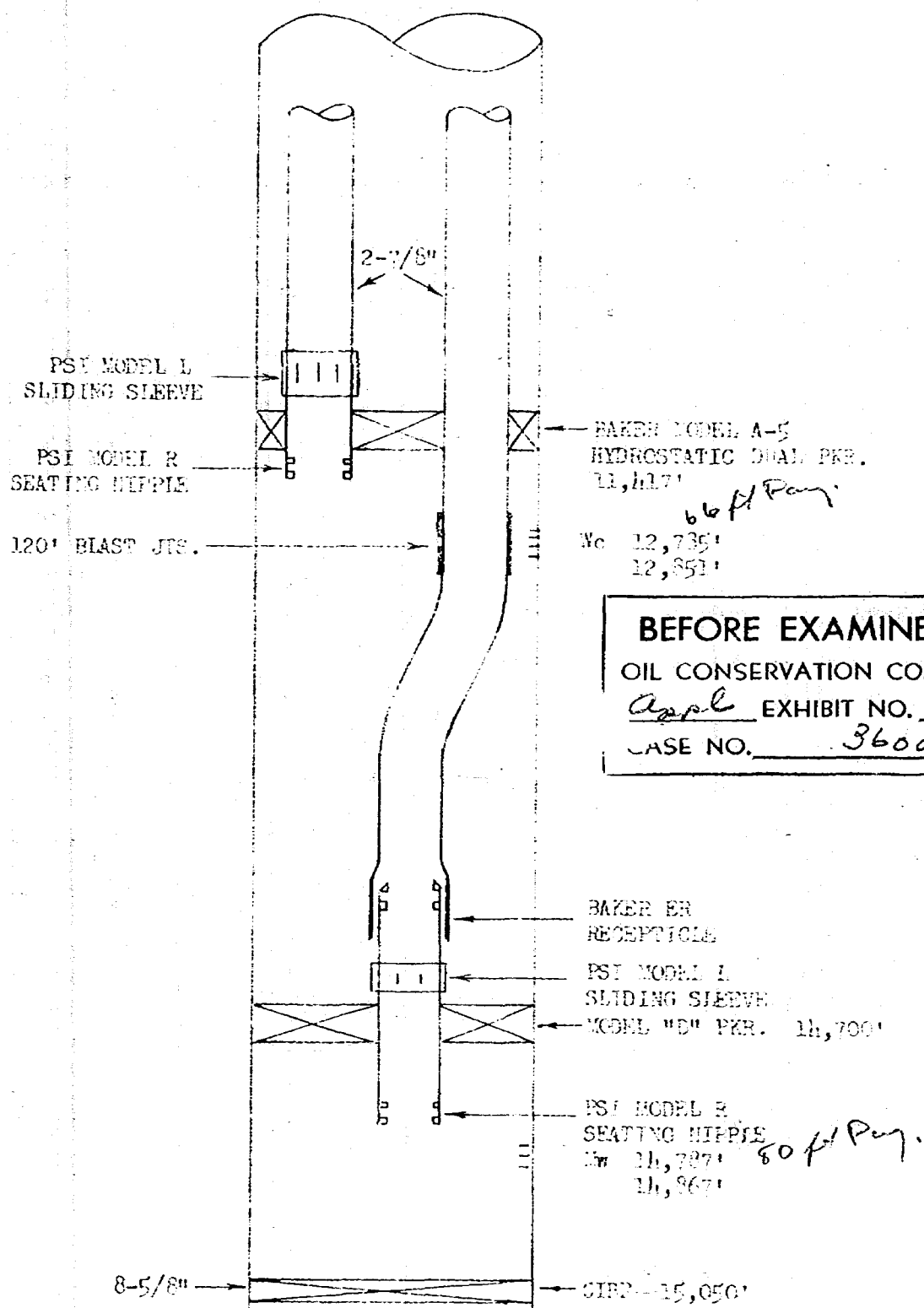
SEE DETAIL
DIAGRAMATIC
SKETCH OF
THIS INTERVAL

Sq. Perf. @
12,695, 12,950
& 15,075' with
1,200 sx.

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
Appel EXHIBIT NO. 2
CASE NO. 3600

TOTAL DEPTH 19,500'

DIAGRAMATIC SKETCH OF
CONTINUED FROM NO. 60
EXAMINER



DETAIL
DIAGRAMATIC SKETCH
COTTON DRAW UNIT NO. 65

COMPARATIVE CHARACTERISTICS OF ZONES
COTTON DRAW UNIT NO. 65
EDDY COUNTY, NEW MEXICO

	Upper Zone <u>Wolfcamp</u>	Lower Zone <u>Morrow</u>
Depth	12,785' - 12,851'	14,787' - 14,867'
Porosity, Avg.	7.2%	10.3%
Permeability, Kg	33.25 Md	31 Md
Gravity (Gas) (Cond.)	.7586 57.0	.6468 None
BHP, Initial, psig	9,240	8,123
Water Cut	None	None
Production Capacity (CAOF)	9,592 MCF/Day 122 Bbl/Day	21,230 MCF/Day
GOR	78,300 let fly	— 80 ft.

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
Agnes EXHIBIT NO. 4
CASE NO. 3600

can

Dale
Mc Carter

Texas?

Hobbs,

393-7191

or W.S. Pochin

if application for dual
completion ^{having} has not
been recd Friday.