

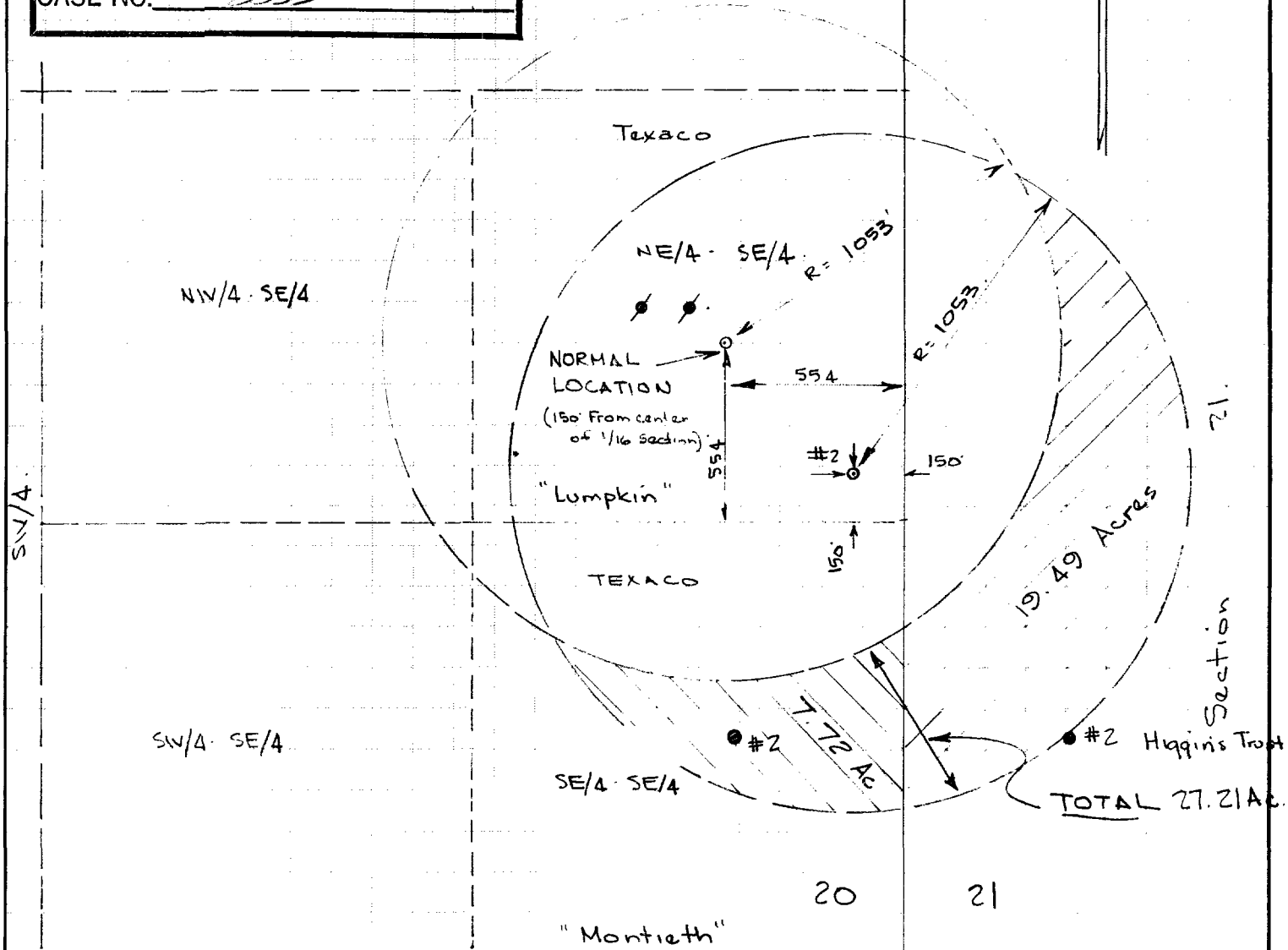
PIPER SURVEYING COMPANY

P. O. Box 6432-ATS
MIDLAND, TEXAS 79711
(915) 561-9025

JOB Section 20 T-16-S R-37-E LEA CO. NM
SHEET NO. 1 For B.L. Eiland OF Texaco
CALCULATED BY J.S. Piper DATE 10/3/86
CHECKED BY _____ DATE _____
SCALE 1" = 500'

BEFORE EXAMINER STOGNER OIL CONSERVATION DIVISION

TEXACO EXHIBIT NO. 3 NE/4
CASE NO. 8993



Summary of Areas

7.72 Acres in Montieth. Lse (Texaco)
19.49 Acres in Section 21 (others)
27.21 Acres Total

Note
Circle w/ radius of
1053' contains:
80.00 Acres

PROPOSED LUMPKIN "20" WELL NO. 2
Lovington Penn, Northeast Pool
Lea County, New Mexico

PROPOSED OIL ALLOWABLE

Top allowable oil well = 534 BOPD

Location of closest orthodox location: 554' FSL and 554' FEL of N/2 SE/4, Section 20 (150' from center of 1/4 1/4 Section as per order Number 3816)

North-South limitation factor: $150/554' = .27$ or 73% closer than standard location

East-West limitation factor: $150/554' = .27$ or 73% closer than standard location

Additional Acreage drained by proposed well over standard location:
 $27.21 \text{ acres} / 80 \text{ acres} = 34\%$ additional drained area

Formula = $(.27 + .27 + .66) / 3 = .40$

Allowable = $.40 (534) = 213.6 \text{ BOPD}$

TEXACO PRODUCING INC.
Proposed Lumpkin "20" Well No. 2
Lovington Penn, Northeast Pool
Lea County, New Mexico

BEFORE EXAMINER STOGNER	
OIL CONSERVATION DIVISION	
TEXACO	EXHIBIT NO. 4
CASE NO. 8993	

(A) COMPARISON OF PRODUCTIVE ACREAGE OR WELLS OFFSETTING THE
PROPOSED LUMPKIN "20" WELL NO. 2

Higgins Trust Well No.1
(Proration Unit N/2, SW/4, Section 21)
ESTIMATED PRODUCTIVE ACREAGE: 58.1 Acres

Higgins Trust Well No. 2
(Proration Unit S/2, SW/4, Section 21)
ESTIMATED PRODUCTIVE ACREAGE: 50.7 Acres

H. T. Montieth Well No. 2
(Proration Unit S/2, SE/4, Section 20)
ESTIMATED PRODUCTIVE ACREAGE: 57.8 Acres

Proposed Lumpkin "20" Well No. 2
(Proration Unit N/2, SE/4, Section 20)
ESTIMATED PRODUCTIVE ACREAGE: 24.7 Acres

(B) DETERMINATION OF ALLOWABLES BASED ON A COMPARISON OF PRO-
DUCTIVE ACREAGE

- (1) Higgins Trust Well No. 1 = 58.1 Acres
Lumpkin "20" Well No. 2 = 24.7 Acres
 $24.7/58.1 \times 534 \text{ bopd (Top Allowable)} = 227 \text{ BOPD}$
- (2) Higgins Trust Well No. 2 = 50.7 Acres
Lumpkin "20" Well No. 2 = 24.7 Acres
 $24.7/50.7 \times 534 \text{ bopd (Top Allowable)} = 260 \text{ BOPD}$
- (3) H. T. Montieth Well No. 2 = 57.8 Acres
Lumpkin "20" Well No. 2 = 24.7 Acres
 $24.7/57.8 \times 534 \text{ bopd (Top Allowable)} = 228 \text{ BOPD}$

Average = 238 BOPD

STATE: NEW MEXICO
REG. DIST: -DIST NOT OBTAINED-
COUNTY: LEA
FLD: LOVINGTON PENN, NORTHEAST
ZONE: DESERT CREEK pennsylvania

PROP: HIGGINS TRUST INC
PROP NO: 319300 WNUM: 001
LOCATION: 169 37E 21L
OPER: AMERIND OIL COMPANY

Latrod O/Sk

295 Abboil/Day

267 "

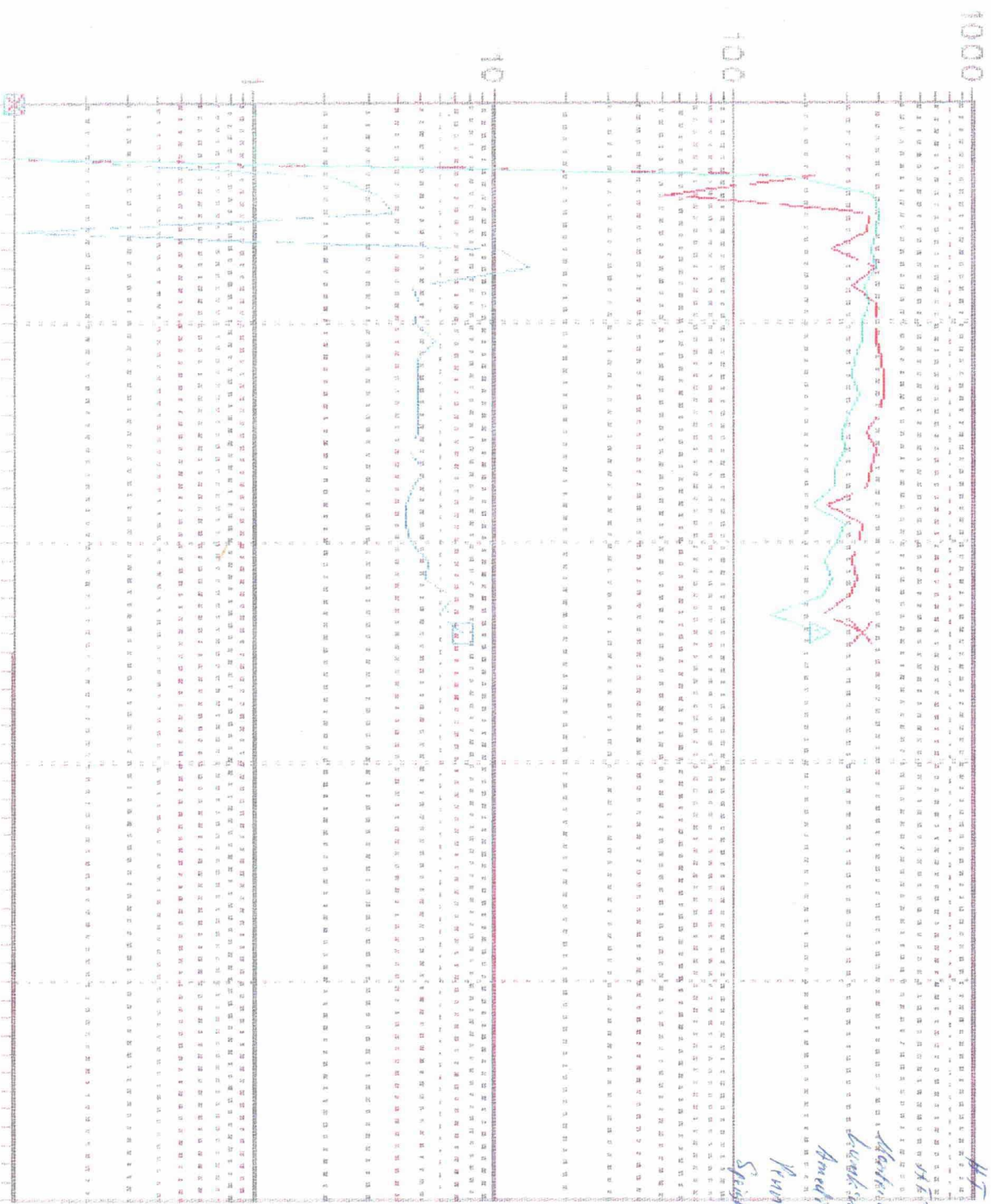
March 320

April 22

April de Column 480

Penn 201 - 10 "

Straight - 250 "



BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

TEMPERATURE EXHIBIT NO. 5

CASE NO. 8993

CUM. TOTALS
THRU 6/30/86
CRUDE: 236819
GAS : 266137
WATER: 4143

UPPER PERF:
Amor de Column 480
PENN 201 - 10
Straight - 250
IF-489

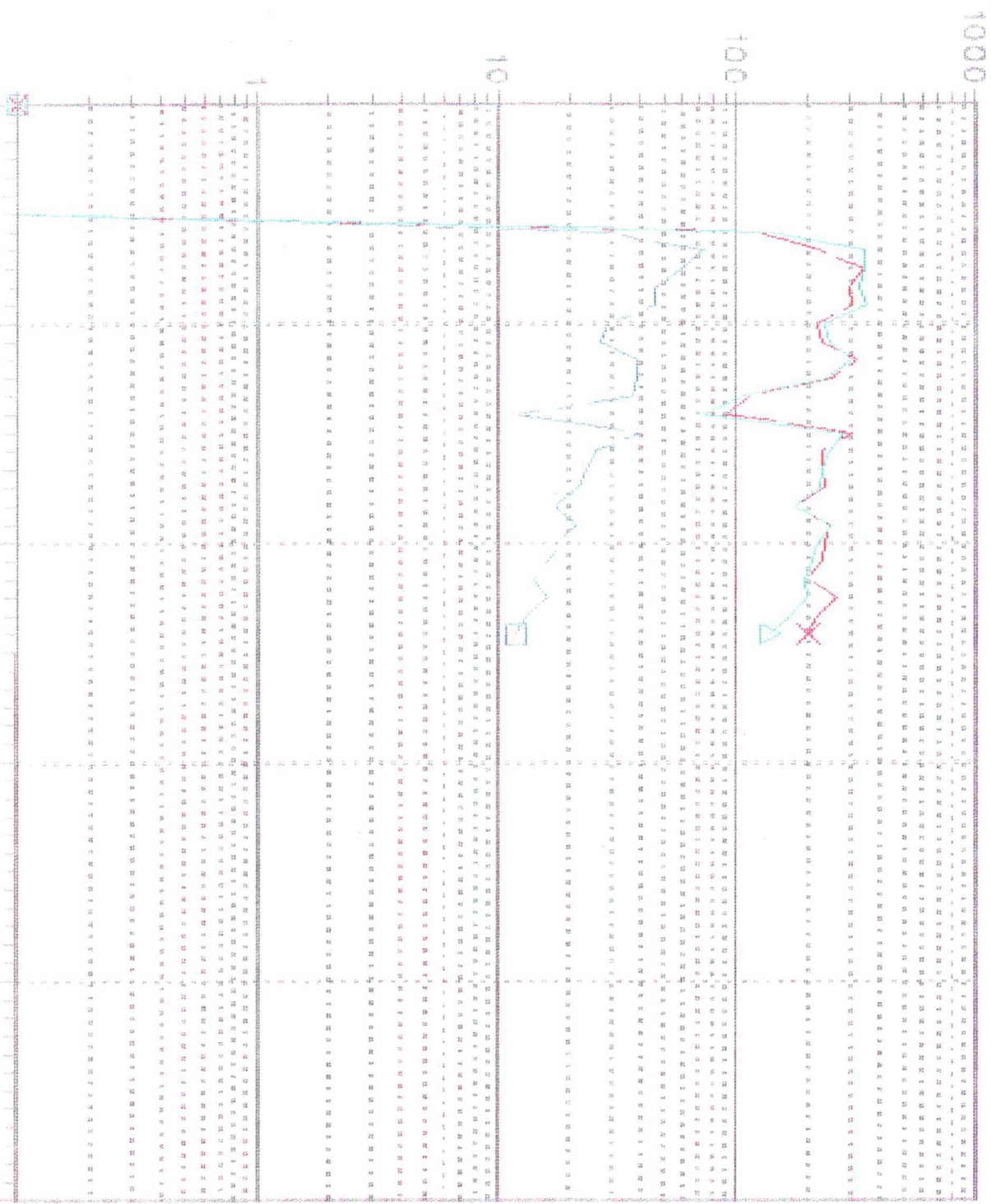
△ CRUDE (BBLS)
X GAS (MCF)
□ WATER (BBLs)

STATE: NEW MEXICO
REG. DIST: -DIST NOT OBTAINED-
COUNTY: LEA
FLD: LOVINGTON PENN, NORTHEAST
ZONE: DESERT CREEK PENNSYLVANI

PROP: HIGGINS TRUST INC
PROP NO: 319302 WNUM: 002
LOCATION: 166 37E 21 M
OPER: AMERIND OIL COMPANY

18-436 BOPD

PRODUCTION PER DAY



UPPER PERF:
LOWER PERF:

CUM. TOTALS
THRU 6/30/86

CRUDE: 159050

GAS : 160160

WATER: 20603

- ▲ CRUDE (BBLS)
- × GAS (MCF)
- WATER (BBLs)

84 85 86 87 88

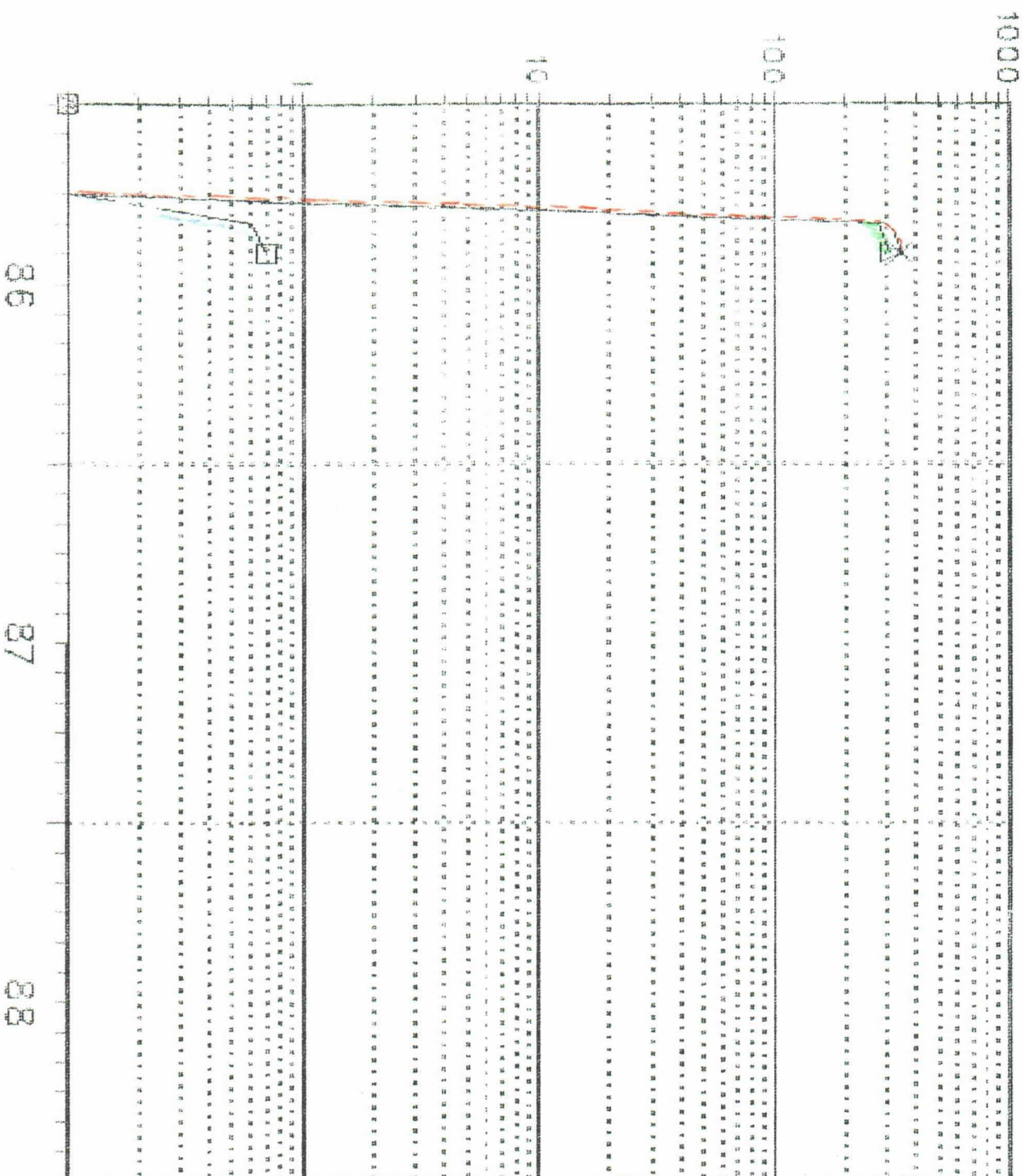
STATE: NEW MEXICO
REG. DIST: -DIST NOT OBTAINED-
COUNTY: LEA
FLD: LOVINGTON PENN, NORTHEAST
ZONE: DESERT CREEK PENNSYLVANI

PROP: H T MONTIETH
PROP NO: 524695 WNUM: 002
LOCATION: 16S 37E 20P
OPER: TEXACO PRODUCING CO.

UPPER PERF:
LOWER PERF:

IP-532

PRODUCTION PER DAY



CUM. TOTALS
THRU 6/30/86

CRUDE: 17857

GAS : 20036

WATER: 40

Δ CRUDE (BBLs)

X GAS (MCF)

□ WATER (BBLs)

CAMPBELL & BLACK, P.A.

LAWYERS

JACK M. CAMPBELL
BRUCE D. BLACK
MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
J. SCOTT HALL
PETER N. IVES
JOHN H. BEMIS

GUADALUPE PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE: (505) 968-4421
TELECOPIER: (505) 983-6043

August 27, 1986

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Amerind Oil Company
500 Wilco Bldg.
Midland, Texas 79701

Re: Application of Texaco, Inc. for an Unorthodox Well Location,
Lea County, New Mexico

Dear Sirs:

This letter is to advise you that Texaco, Inc. has filed an application with the New Mexico Oil Conservation Division seeking approval of an unorthodox well location for its Lumpkin 20 Well No. 2 at a point 1470 feet from the South line and 150 feet from the East line of Section 20, Township 16 South, Range 37 East, N.M.P.M., Lea County, New Mexico. Texaco, Inc. proposes to complete this well in the Pennsylvanian formation, Northeast Lovington - Pennsylvanian Pool.

This application has been set for hearing before a Division Examiner on September 17, 1986. You are not required to attend this hearing, but as an offsetting interest owner, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Very truly yours,

William F. Carr/sib

William F. Carr
Attorney for Texaco, Inc.

WFC/ko

BEFORE EXAMINER STOERNER	
OIL CONSERVATION DIVISION	
TEXACO	EXHIBIT NO. 6
CASE NO.	5393

P 307 895 521
RECEIPT FOR CERTIFIED MAIL

U.S. POSTAGE (OVERSEAS MAIL)
INTERNATIONAL MAIL

See Reverse

To: Amerind Oil Company	
500 Wilco Bldg.	
Midland, Texas 79701	
Postage	.22
Certification Fee	.75
Special Delivery Fee	
Registered Mail Fee	
Return Receipt (showing signature of addressee)	.70
Return Receipt (showing signature of agent or delivery person)	
TOTAL POSTAGE AND FEES	1.67
Postage paid by 8/27/86 pr	

U.S.G.P.O. 1985-480-794

PS Form 3800, June 1985

PS Form 3811, July 1983 447-845

<p>SENDER: Complete items 1, 2, 3 and 4.</p> <p>Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. <u>The return receipt fee will provide you the name of the person delivered to and the date of delivery.</u> For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.</p>	
<p>1. <input checked="" type="checkbox"/> Show to whom, date and address of delivery.</p> <p>2. <input type="checkbox"/> Restricted Delivery.</p>	
<p>3. Article Addressed to:</p> <p>Amerind Oil Company 500 Wilco Bldg. Midland, Texas 79701</p>	
<p>4. Type of Service:</p> <p><input checked="" type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail</p>	<p>Article Number</p> <p>P 307 895 521</p>
<p>Always obtain signature of addressee <u>or</u> agent and DATE DELIVERED.</p>	
<p>5. Signature - Addressee</p> <p>X</p>	
<p>5. Signature - Agent</p> <p>X <i>Phyllis Sobotta</i></p>	
<p>7. Date of Delivery</p> <p>8-29-86</p>	
<p>8. Addressee's Address (ONLY if requested and fee paid)</p> <p>415 W. WALL #900 MIDLAND TX 79701</p>	

DOMESTIC RETURN RECEIPT

CAMPBELL & BLACK, P.A.

LAWYERS

JACK M. CAMPBELL
BRUCE D. BLACK
MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
J. SCOTT HALL
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GUADALUPE PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE: (505) 988-4421
TELECOPIER: (505) 983-6043

August 27, 1986

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Sohio Petroleum Company
10 Desta Drive, Suite 600 West
Midland, Texas 79705

Re: Application of Texaco, Inc. for an Unorthodox Well Location,
Lea County, New Mexico

Dear Sirs:

This letter is to advise you that Texaco, Inc. has filed an application with the New Mexico Oil Conservation Division seeking approval of an unorthodox well location for its Lumpkin 20 Well No. 2 at a point 1470 feet from the South line and 150 feet from the East line of Section 20, Township 16 South, Range 37 East, N.M.P.M., Lea County, New Mexico. Texaco, Inc. proposes to complete this well in the Pennsylvanian formation, Northeast Lovington - Pennsylvanian Pool.

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Very truly yours,

William F. Carr/SIB

William F. Carr
Attorney for Texaco, Inc.

WFC/ko

P 307 895 520

RECEIPT FOR CERTIFIED MAIL

Sohio Petroleum Company
10 Desta Drive, Suite 600 West
Midland, Texas 79705

.22

.75

.70

1.67

8/27/86 pr

PS Form 3811, July 1983 447-845

<p>SENDER: Complete items 1, 2, 3 and 4.</p> <p>Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. <u>The return receipt fee will provide you the name of the person delivered to and the date of delivery.</u> For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.</p>	
<p>1. <input checked="" type="checkbox"/> Show to whom, date and address of delivery.</p> <p>2. <input checked="" type="checkbox"/> Restricted Delivery.</p>	
<p>3. Article Addressed to:</p> <p>Sohio Petroleum Company 10 Desta Drive, Suite 600 West Midland, Texas 79705</p>	
<p>4. Type of Service:</p> <p><input checked="" type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail</p>	<p>Article Number</p> <p>P 307 895 520</p>
<p>Always obtain signature of addressee or agent and DATE DELIVERED.</p>	
<p>5. Signature - Addressee X <i>Jameson J. Harrington</i></p>	
<p>6. Signature - Agent X</p>	
<p>7. Date of Delivery</p>	
<p>8. Addressee's Address (<i>ONLY if requested and fee paid</i>)</p> <p><i>Midland 8-2986</i></p>	

DOMESTIC RETURN RECEIPT

CAMPBELL & BLACK, P.A.

LAWYERS

JACK M. CAMPBELL
BRUCE D. BLACK
MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
J. SCOTT HALL
PETER N. IVES
JOHN H. BEMIS

GUADALUPE PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE: (505) 988-4421
TELECOPIER: (505) 983-6043

August 27, 1986

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Texas Crude, Inc.
2100 Texas Crude Bldg.
Houston, Texas 77002

Re: Application of Texaco, Inc. for an Unorthodox Well Location,
Lea County, New Mexico

Dear Sirs:

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Very truly yours,

William F. Carr/sib

William F. Carr
Attorney for Texaco, Inc.

WFC/ko

P 307 895 522
 RECEIPT FOR CERTIFIED MAIL

Texas Crude, Inc.	
2100 Texas Crude Bldg.	
Houston, Texas 77002	
	.22
	.75
	.70
	1.67

8/27/86 pr

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. <u>The return receipt fee will provide you the name of the person delivered to and the date of delivery.</u> For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.	
1. <input checked="" type="checkbox"/> Show to whom, date and address of delivery. 2. <input checked="" type="checkbox"/> Restricted Delivery.	
3. Article Addressed to: Texas Crude, Inc. 2100 Texas Crude Bldg. Houston, Texas 77002	
4. Type of Service: <input checked="" type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	Article Number P 307 895 522
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee X <i>M. Kullens</i>	
6. Signature - Agent X	
7. Date of Delivery	
8. Addressee's Address (ONLY if requested and fee paid)	

DOMESTIC RETURN RECEIPT

CAMPBELL & BLACK, P.A.
LAWYERS

JACK M. CAMPBELL
BRUCE D. BLACK
MICHAEL B. CAMPBELL
WILLIAM F. CARR
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SANTA FE, NEW MEXICO 87504-2208
TELEPHONE: (505) 988-4421
TELECOPIER: (505) 983-6043

August 27, 1986

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Pennzoil Company
P. O. Box 1828
Midland, Texas 79702

Re: Application of Texaco, Inc. for an Unorthodox Well Location,
Lea County, New Mexico

Dear Sirs:

This letter is to advise you that Texaco, Inc. has filed an application with the New Mexico Oil Conservation Division seeking approval of an unorthodox well location for its Lumpkin 20 Well No. 2 at a point 1470 feet from the South line and 150 feet from the East line of Section 20, Township 16 South, Range 37 East, N.M.P.M., Lea County, New Mexico. Texaco, Inc. proposes to complete this well in the Pennsylvanian formation, Northeast Lovington - Pennsylvanian Pool.

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Very truly yours,

William F. Carr/SIB

William F. Carr
Attorney for Texaco, Inc.

WFC/ko

P 307 895 523

RECEIPT FOR CERTIFIED MAIL

Pennzoil Company

P. O. Box 1828

Midland, Texas 79702

.22

.75

.70

1.67

8/27/86 pr

PS Form 3811, July 1983 447-845



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2. ☒ Restricted Delivery.

3. Article Addressed to:

Pennzoil Company
P. O. Box 1828
Midland, Texas 79702

4. Type of Service:

- ☒ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

Article Number

P 307 895 523

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee

X

6. Signature - Agent

X

7. Date of Delivery

8-29-86

8. Addressee's Address (ONLY if requested and fee paid)

Box 1828

DOMESTIC RETURN RECEIPT