



DHC RELEASE 10.4.93

EXPLORATION DIVISION
RECEIVED

SEP 10 1993

September 10, 1993

New Mexico Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Case 10879

Attention: Mr. David R. Catanach

Re: Exception to NMOCD Rule 303 (A)
Cooper Jal Unit
Well Numbers 113,208,401,402,403,404, and 405
T-24-S, R-36 & 37-E
Jalmat Oil & Gas and Langlie Mattix Oil Pools
Lea County, New Mexico

Gentlemen:

Texaco Exploration and Production Inc. respectfully requests administrative approval to downhole commingle production from the Jalmat Oil & Gas Pool and the Langlie Mattix Oil Pool within seven Cooper Jal Unit wellbores. The subject wells are located within the unit boundaries of the Cooper Jal Unit, Lea County, New Mexico. All well locations are indicated in the attached application. Two of the wells are current producers which will be recompleted and downhole commingled. The remaining five wells are proposed to be drilled to the Langlie Mattix Pool and downhole commingled with the Jalmat Pool as producers.

Texaco Exploration and Production Inc. recently submitted a proposal to the New Mexico Oil Conservation Division for certification of Enhanced Oil Recovery on the Cooper Jal Unit. This proposal includes the subject wells as downhole commingled infield producers. The Jalmat and Langlie Mattix pools have been simultaneously waterflooded since October 1970. All produced fluids have entered a common production and injection facility since that time with no fluid compatibility problems.

The proposed downhole commingling will provide a more economical means of production, and allow further development of the productive capacity within the unit by allowing the two intervals to be waterflooded on concurrent 40-acre five spot patterns. This will also extend the productive life of both intervals, thereby preventing waste. It is therefore requested by Texaco Exploration and Production Inc., to administratively downhole commingle the Jalmat and Langlie Mattix Pools within these seven wellbores.

The subject wells meet all requirements as set forth by Rule 303 (C). The ownership of both zones are common (including working and royalty interests). The Jalmat and Langlie Mattix pools have been successfully commingled within the Cooper Jal

Unit area with no incompatibility of reservoir fluids. As stated above, both the Jalmat and Langlie Mattix intervals are currently under waterflood operations with a common surface production and injection facility.

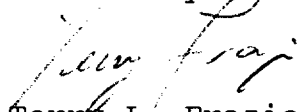
The following information is submitted as support for this application :

1. Location plat (C-102's on Proposed Wells)
2. Well Data Sheets
3. Computation of Value for commingled production
4. Well Schematics (Completed wells; Intents on Proposed Wells)
5. Production curves for each pool and individual declines on No. 113 (Langlie Mattix Pool) and No. 208 (Jalmat Pool).
6. Statement of proper notification to offset operators and USGS.

It is requested that the allocation of production for each zone be deferred until the two zones are commingled and placed on artificial lift. It is proposed to isolate the Jalmat interval in each well, in order to determine its productive rate prior to commingling both zones. Production will be allocated to the Langlie Mattix by subtracting the Jalmat production rate from the total stabilized production rate from the well.

Texaco Exploration and Production, Inc. believes that the administrative approval for downhole commingling and use of artificial lift on said wells will improve secondary recovery efforts and prolong the productive life of both zones, therefore preventing waste. If you have any questions concerning this application, please contact Michael Alexander at (505)397-0411.

Yours very truly,


Terry L. Frazier
Hobbs Area Manager

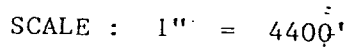
MCA

attachments
Chrono

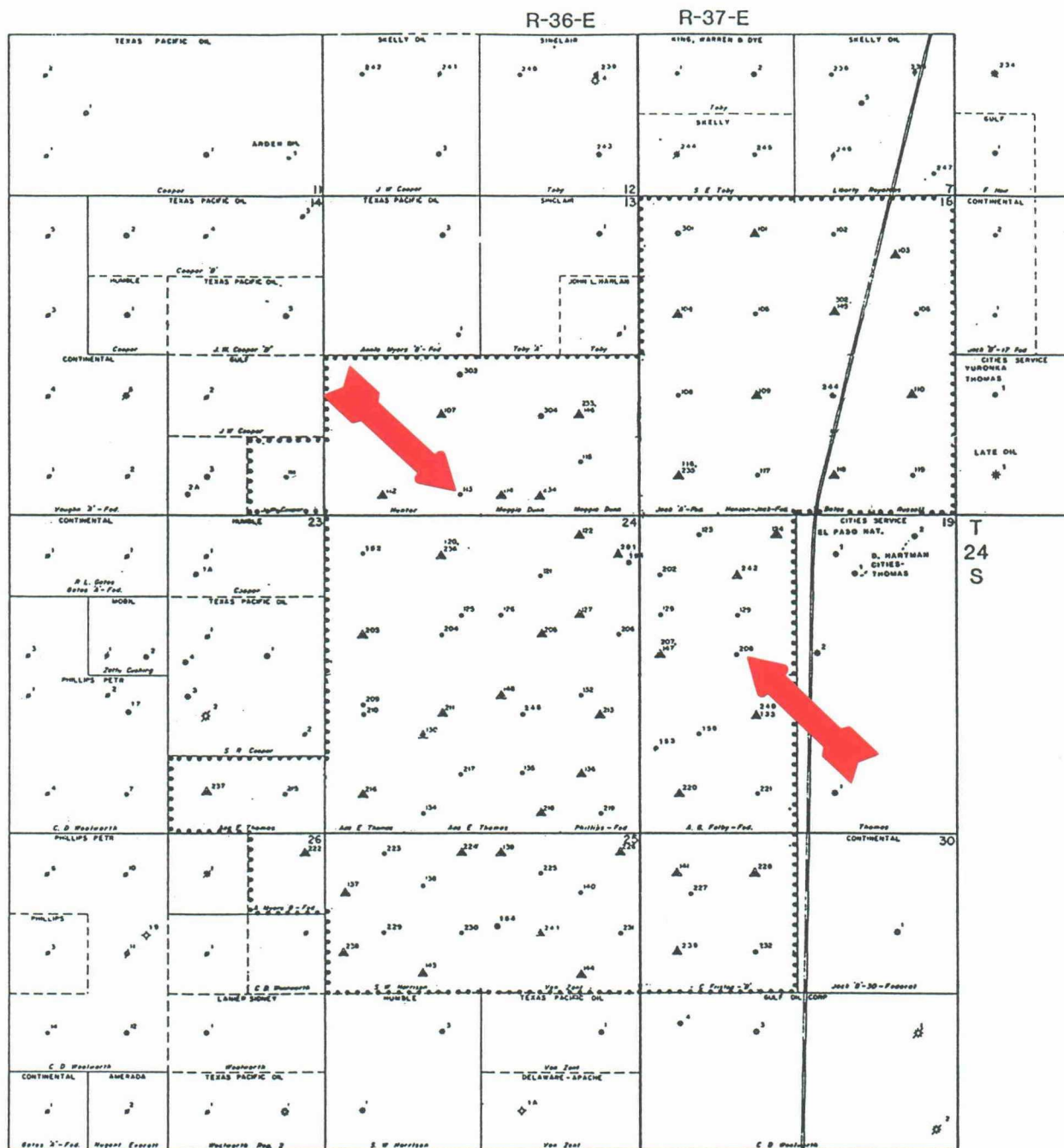
cc: Jerry Sexton/NMOCD/Hobbs
Offset Operators
BLM

JALMAT & LANGLIE MATTIX FIELDS

JALMAT & LANGLIE MATTIX FIELDS



SCALE : 1" = 4400'



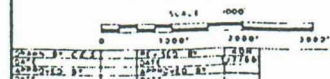
LEGEND

- • • • UNIT BOUNDARY
- ▲ INJECTION WELL
- 100 LANGLE MATIX ZONE
- 200 JALMAT OIL ZONE
- 300 JALMAT GAS ZONE



COOPER JAL UNIT

JALMAT AND LANGLE MATIX FIELDS
LEA COUNTY, NEW MEXICO



OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

NOTICE OF LOCATION

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPLORATION & PRODUCTION			Lease COOPER JAL UNIT		Well No. 401
Unit Letter L	Section 19	Township 24-South	Range 37-East	County NMPM	Lea
Actual Footage Location of Well: 2400 feet from the South line and 1130 feet from the West line					
Ground level Elev. 3287	Producing Formation Mansel, Yates, 7RVRS; 7RVRS, Queen		Pool Jalmat; Langlie Mattix		Dedicated Acreage: 38.10 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

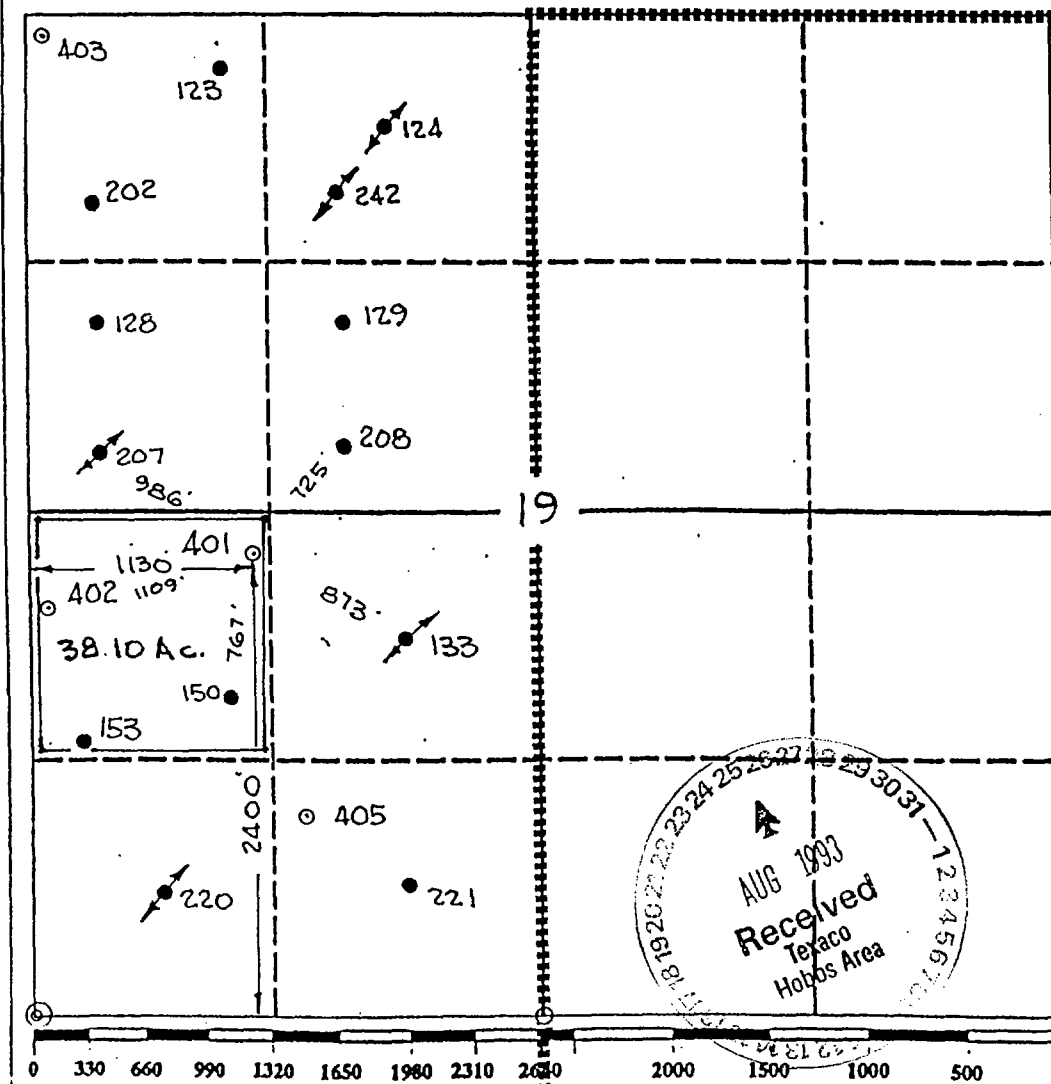
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communalization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communalization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott

Printed Name
Royce D. Mariott

Position
Division Surveyor

Company
Texaco Expl. & Prod.

Date
Aug. 23, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Aug. 17, 1993

Signature & Seal of
Professional Surveyor

John S. Piper

Certificate No.
7254 John S. Piper

Lea Co. FB. 8 Pg. 75

Submit to: Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Geology, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

NOTICE OF LOCATION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPLORATION & PRODUCTION			Lease COOPER JAL UNIT		Well No. 402
Unit Letter L	Section 19	Township 24-South	Range 37-East	County NMJM	Lea
Actual Footage Location of Well: 2150 feet from the South line and 50 feet from the West line					
Ground level Elev. 3294	Producing Formation Mansel, Yates, 7RVRS; 7RVRS, Queen		Pool Jalmat; Langlie Mattix		Dedicated Acreage: 38.10 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

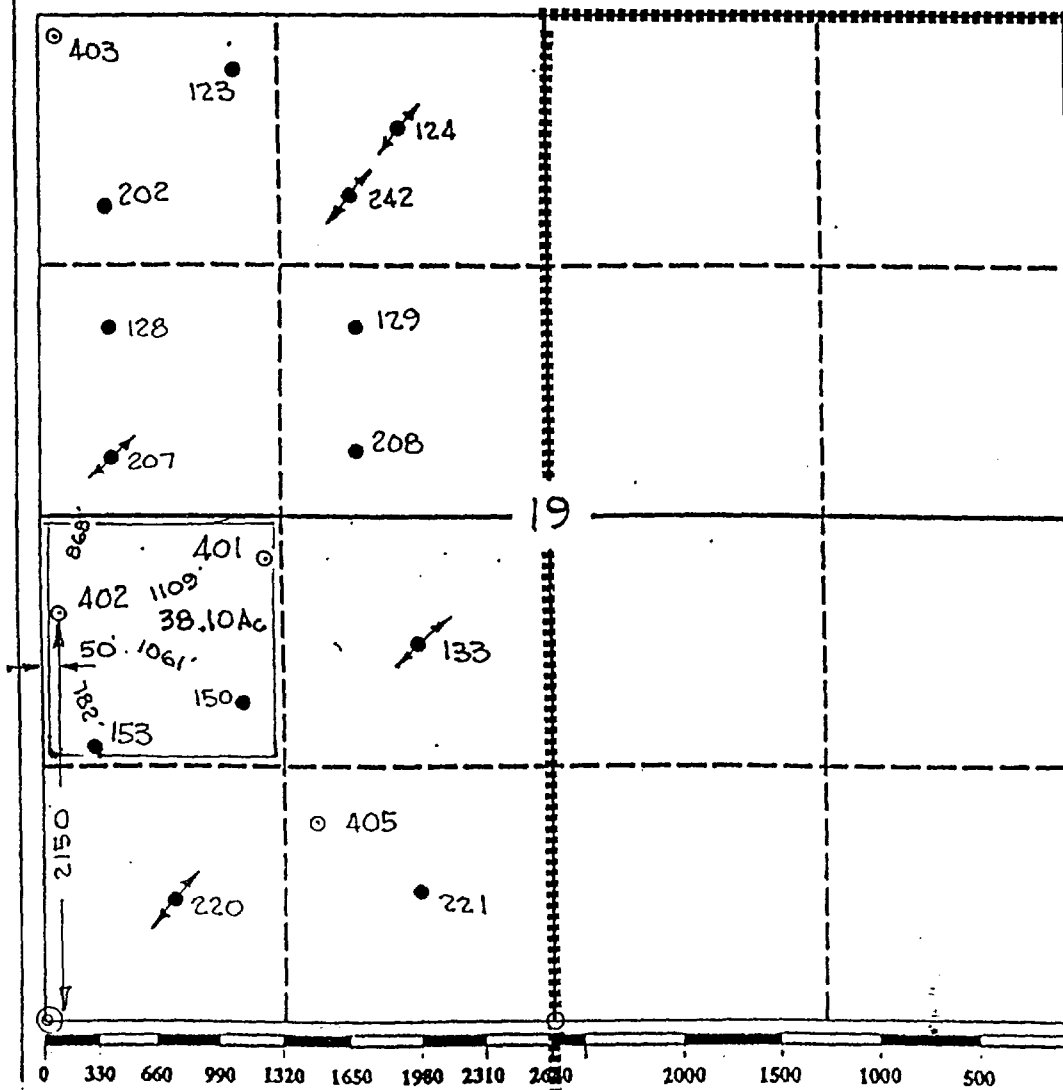
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

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WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPLORATION & PRODUCTION			Lease COOPER JAL UNIT		Well No. 403
Unk Letter D	Section 19	Township 24-South	Range 37-East	County Lea	NMPM

Actual Footage Location of Well:

150 feet from the North line and 100 feet from the West line			
Ground level Elev. 3308	Producing Formation Mansel, Yates, 7RVRS; 7RVRS, Queen	Pool Jalmat; Langlie Mattix	Dedicated Acreage: 38.12 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

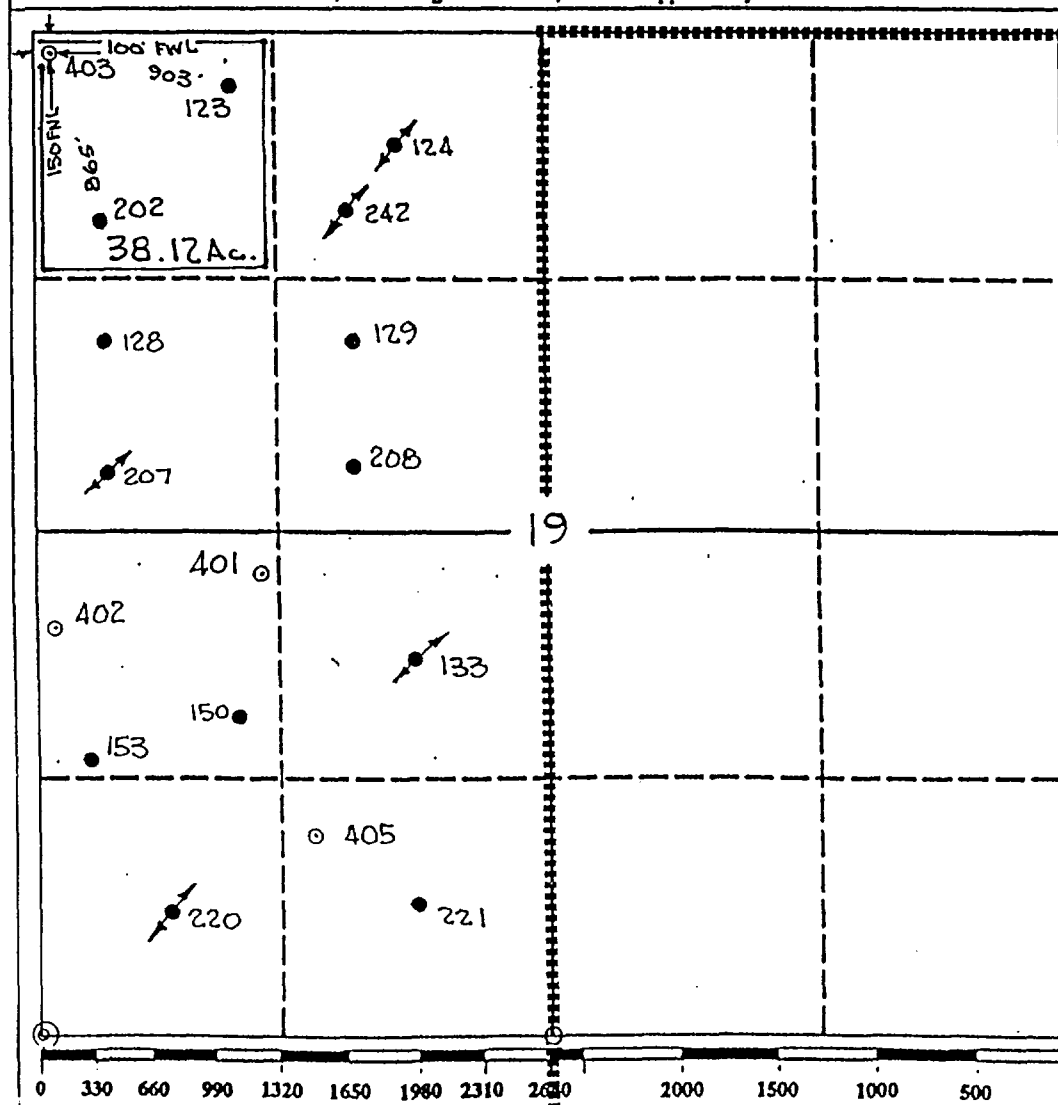
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

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Texaco Expl. & Prod.

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Aug. 17, 1993

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Professional Surveyor

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Certificate No.
7254 John S. Piper

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Energy, Minerals and Natural Resources Department

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Revised 1-1-89

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Santa Fe, New Mexico 87504-2088

NOTICE OF LOCATION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPLORATION & PRODUCTION			Lease COOPER JAL UNIT		Well No. 404
Unit Letter B	Section 24	Township 24-South	Range 36-East	County Lea	
Actual Footage Location of Well: 510 feet from the North line and 2310 feet from the East line					
Ground level Elev. 3314	Producing Formation TANSEL, YATES, 7RVRS; 7RVRS, QUEEN		Pool JALMONT; LANGLIE MATTIX	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

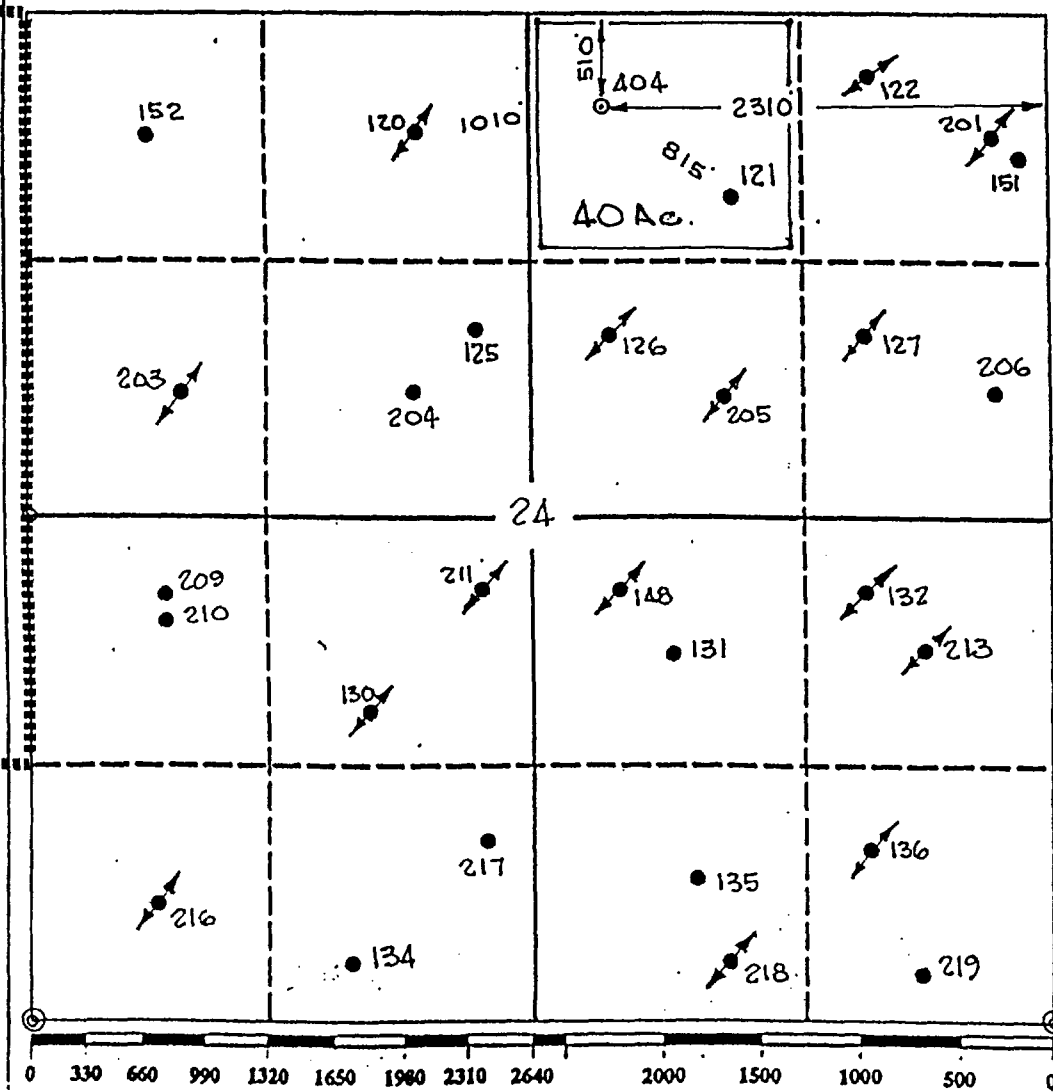
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation **Unitization**

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

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Position

Division Surveyor

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Texaco Expl. & Prod.

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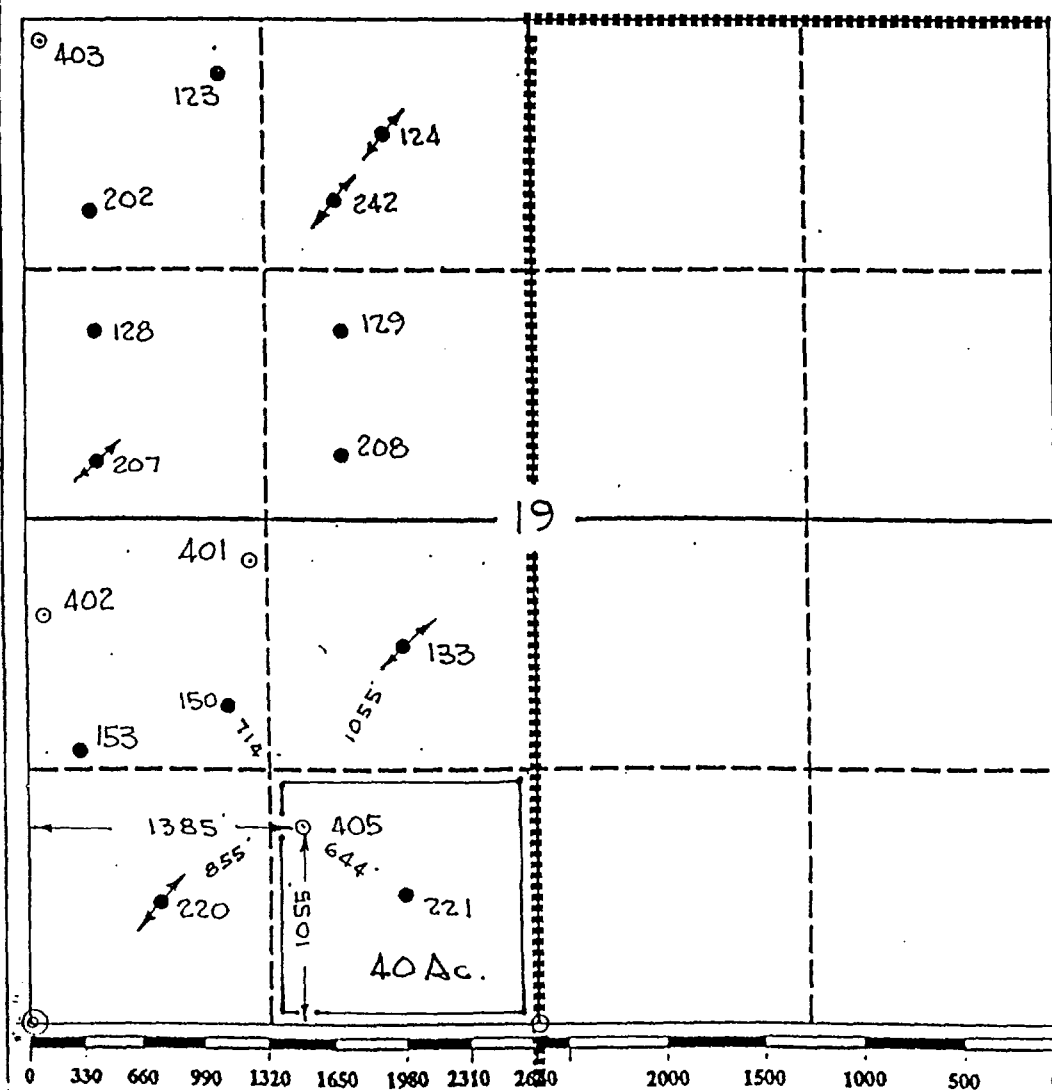
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPLORATION & PRODUCTION			Lease COOPER JAL UNIT		Well No. 405
Unit Letter N	Section 19	Township 24-South	Range 37-East	County Lea	NMPM
Actual Footage Location of Well: 1055 feet from the South line and 1385 feet from the West line					
Ground level Elev. 3279	Producing Formation Mansel, Yates, 7RVRS; 7RVRS, Queen		Pool Jalmat; Langlie Mattix		Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).
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Signature

Printed Name

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod.

Date

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Date Surveyed

Aug. 17, 1993

Signature & Seal of
Professional Surveyor

John S. Piper

Certificate No.

7254 John S. Piper

Lea Co. FB. 8, Pg. 79

DATA SHEET FOR DOWNHOLE COMMINGLING

Operator : Texaco USA, Inc.

Address : P.O. 730 , Hobbs, New Mexico 88240

Lease and Well No.: **Cooper Jal Unit No. 113**

Location : Unit Letter M, 330' FSL, 2310' FWL of
 Section 13, T-24-S, R-36-E,
 Lea County, New Mexico

WELL DATA

	<u>Upper Pool</u>	<u>Lower Pool</u>
Name of Pool	Jalmat Oil & Gas	Langlie Mattix Oil
BHP	330 psia (Est. - offset Well FL)	280 psia (Calc. from Fluid Level)
Completed Interval:	3020'-3250' (230') (Proposed Int.)	3446'-3615' (169') (Openhole Comp.)
Current Prod. Method:	Rod Pumped	Rod Pumped
Current Test Date :	- NA -	July 1993
Oil	- NA -	3.5 BOPD
Gas	- NA -	7.1 MCFPD
Water	- NA -	138.5 BWPD
GOR	- NA -	2028.0
GOR Limit	- NA -	- NA -
Gas Gravity	0.8467 (Both Commingled at Common Unit Battery)	0.8467

NOTE : It is proposed to fracture stimulate each zone independently, test the Jalmat Zone, obtain a stabilized production test, then commingle both zones and allocate production at that time.

DATA SHEET FOR DOWNHOLE COMMINGLING

Operator : Texaco USA, Inc.
Address : P.O. 730 , Hobbs, New Mexico 88240
Lease and Well No.: **Cooper Jal Unit No. 208**
Location : Unit Letter F, 2310' FNL, 1650' FWL of
Section 19, T-24-S, R-37-E,
Lea County, New Mexico

WELL DATA

	<u>Upper Pool</u>	<u>Lower Pool</u>
Name of Pool	Jalmat Oil & Gas	Langlie Mattix Oil
BHP	220 psia (Calc. from Fluid Level)	330 psia (Est. - offset Well FL)
Completed Interval:	3020'-3250' (230') (Openhole Comp.)	3400'-3650' (250') (Proposed Comp.)
Current Prod. Method:	Rod Pumped	Rod Pumped
Current Test Date :	July 1993	- NA -
Oil	15.1 BOPD	- NA -
Gas	7.1 MCFPD	- NA -
Water	24.7 BWPD	- NA -
GOR	470.0	- NA -
GOR Limit	- NA -	- NA -
Gas Gravity	0.8467 (Both Commingled at Common Unit Battery)	0.8467

NOTE : It is proposed to cement a liner across both zones, perforate and fracture stimulate each zone independently, test the Jalmat Zone, obtain a stabilized production test, then commingle both zones and allocate production at that time.

DATA SHEET FOR DOWNHOLE COMMINGLING

Operator : Texaco USA, Inc.
Address : P.O. 730 , Hobbs, New Mexico 88240
Lease and Well No.: **Cooper Jal Unit No. 401**
Proposed Location : Unit Letter L, 2400' FSL, 1130' FWL of
Section 19, T-24-S, R-37-E,
Lea County, New Mexico

WELL DATA

	<u>Upper Pool</u>	<u>Lower Pool</u>
Name of Pool	Jalmat Oil & Gas	Langlie Mattix Oil
BHP	380 psia (Est. from offset well FL)	425 psia (Est. from offset Well FL)
Completed Interval:	3000'-3250' (250') (Proposed Comp.)	3400'-3650' (250') (Proposed Comp.)
Proposed Prod. Method:	Rod Pumped	Rod Pumped
Current Test Date :	- NA -	- NA -
Oil	- NA -	- NA -
Gas	- NA -	- NA -
Water	- NA -	- NA -
GOR	- NA -	- NA -
GOR Limit	- NA -	- NA -
Gas Gravity	0.8467 (Both Commingled at Common Unit Battery)	0.8467

NOTE : It is proposed to drill to Langlie Mattix, cement casing, perforate and fracture stimulate each zone independently, test the Jalmat Zone, obtain a stabilized production test, then commingle both zones and allocate production at that time.

DATA SHEET FOR DOWNHOLE COMMINGLING

Operator : Texaco USA, Inc.
Address : P.O. 730 , Hobbs, New Mexico 88240
Lease and Well No.: **Cooper Jal Unit No. 402**
Proposed Location : Unit Letter L, 2150' FSL, 50' FWL of
Section 19, T-24-S, R-37-E,
Lea County, New Mexico

WELL DATA

	<u>Upper Pool</u>	<u>Lower Pool</u>
Name of Pool	Jalmat Oil & Gas	Langlie Mattix Oil
BHP	380 psia (Est. from offset well FL)	425 psia (Est. from offset Well FL)
Completed Interval:	3000'-3250' (250') (Proposed Comp.)	3400'-3650' (250') (Proposed Comp.)
Proposed Prod. Method:	Rod Pumped	Rod Pumped
Current Test Date :	- NA -	- NA -
Oil	- NA -	- NA -
Gas	- NA -	- NA -
Water	- NA -	- NA -
GOR	- NA -	- NA -
GOR Limit	- NA -	- NA -
Gas Gravity	0.8467 (Both Commingled at Common Unit Battery)	0.8467

NOTE : It is proposed to drill to Langlie Mattix, cement casing, perforate and fracture stimulate each zone independently, test the Jalmat Zone, obtain a stabilized production test, then commingle both zones and allocate production at that time.

DATA SHEET FOR DOWNHOLE COMMINGLING

Operator : Texaco USA, Inc.
Address : P.O. 730 , Hobbs, New Mexico 88240
Lease and Well No.: **Cooper Jal Unit No. 403**
Proposed Location : Unit Letter D, 150' FNL, 100' FWL of
Section 19, T-24-S, R-37-E,
Lea County, New Mexico

WELL DATA

	<u>Upper Pool</u>	<u>Lower Pool</u>
Name of Pool	Jalmat Oil & Gas	Langlie Mattix Oil
BHP	380 psia (Est. from offset well FL)	425 psia (Est. from offset Well FL)
Completed Interval:	3000'-3250' (250') (Proposed Comp.)	3400'-3650' (250') (Proposed Comp.)
Proposed Prod. Method:	Rod Pumped	Rod Pumped
Current Test Date :	- NA -	- NA -
Oil	- NA -	- NA -
Gas	- NA -	- NA -
Water	- NA -	- NA -
GOR	- NA -	- NA -
GOR Limit	- NA -	- NA -
Gas Gravity	0.8467 (Both Commingled at Common Unit Battery)	0.8467

NOTE : It is proposed to drill to Langlie Mattix, cement casing, perforate and fracture stimulate each zone independently, test the Jalmat Zone, obtain a stabilized production test, then commingle both zones and allocate production at that time.

DATA SHEET FOR DOWNHOLE COMMINGLING

Operator : Texaco USA, Inc.
Address : P.O. 730 , Hobbs, New Mexico 88240
Lease and Well No.: **Cooper Jal Unit No. 404**
Proposed Location : Unit Letter B, 510' FNL, 2310' FEL of
Section 24, T-24-S, R-36-E,
Lea County, New Mexico

WELL DATA

	<u>Upper Pool</u>	<u>Lower Pool</u>
Name of Pool	Jalmat Oil & Gas	Langlie Mattix Oil
BHP	380 psia (Est. from offset well FL)	425 psia (Est. from offset Well FL)
Completed Interval:	3000'-3250' (250') (Proposed Comp.)	3400'-3650' (250') (Proposed Comp.)
Proposed Prod. Method:	Rod Pumped	Rod Pumped
Current Test Date :	- NA -	- NA -
Oil	- NA -	- NA -
Gas	- NA -	- NA -
Water	- NA -	- NA -
GOR	- NA -	- NA -
GOR Limit	- NA -	- NA -
Gas Gravity	0.8467 (Both Commingled at Common Unit Battery)	0.8467

NOTE : It is proposed to drill to Langlie Mattix, cement casing, perforate and fracture stimulate each zone independently, test the Jalmat Zone, obtain a stabilized production test, then commingle both zones and allocate production at that time.

DATA SHEET FOR DOWNHOLE COMMINGLING

Operator : Texaco USA, Inc.

Address : P.O. 730 , Hobbs, New Mexico 88240

Lease and Well No.: **Cooper Jal Unit No. 405**

Proposed Location : Unit Letter N, 1055' FSL, 1385' FWL of
Section 19, T-24-S, R-37-E,
Lea County, New Mexico

WELL DATA

	<u>Upper Pool</u>	<u>Lower Pool</u>
Name of Pool	Jalmat Oil & Gas	Langlie Mattix Oil
BHP	380 psia (Est. from offset well FL)	425 psia (Est. from offset Well FL)
Completed Interval:	3000'-3250' (250') (Proposed Comp.)	3400'-3650' (250') (Proposed Comp.)
Proposed Prod. Method:	Rod Pumped	Rod Pumped
Current Test Date :	- NA -	- NA -
Oil	- NA -	- NA -
Gas	- NA -	- NA -
Water	- NA -	- NA -
GOR	- NA -	- NA -
GOR Limit	- NA -	- NA -
Gas Gravity	0.8467 (Both Commingled at Common Unit Battery)	0.8467

NOTE : It is proposed to drill to Langlie Mattix, cement casing, perforate and fracture stimulate each zone independently, test the Jalmat Zone, obtain a stabilized production test, then commingle both zones and allocate production at that time.

AVERAGE ESTIMATED PRODUCTION AFTER DHC
(SINGLE DHC WELL)

	<u>JALMAT</u>	<u>LANGLIE MATTIX</u>	<u>COMMINGLED</u>
Oil	30 BOPD	20 BOPD	50 BOPD
Gas	60 MCFPD	40 MCFPD	80 MCFPD
Water	120 BWPB	80 BWPB	200 BWPB

ESTIMATE OF VALUE OF PRODUCED HYDROCARBONS

	<u>COMMINGLED</u>	<u>PRODUCT PRICE</u>	<u>INCOME</u>
Oil	50 BOPD	\$16.50/BBL	\$ 825.00
Gas	80 MCFPD	\$ 1.90/MCF	<u>\$ 152.00</u>
TOTAL ESTIMATED DAILY REVENUES			977.00

NET DIFFERENCE FROM DOWNHOLE COMMINGLING = \$ 0.00

NOTE : All produced volumes are currently commingled at the surface from both the Langlie Mattix and Jalmat Pools. Both pools oil gravities are 38 degree API Crudes and are classified as sour.

FORMULA FOR DETERMINING ALLOCATION OF PRODUCTION

OIL

J = JALMAT STABILIZED OIL PRODUCTION RATE, BOPD

T = TOTAL COMMINGLED OIL PRODUCTION RATE, BOPD

LANGLIE MATTIX PROD. = M = (T - J) , BOPD

GAS

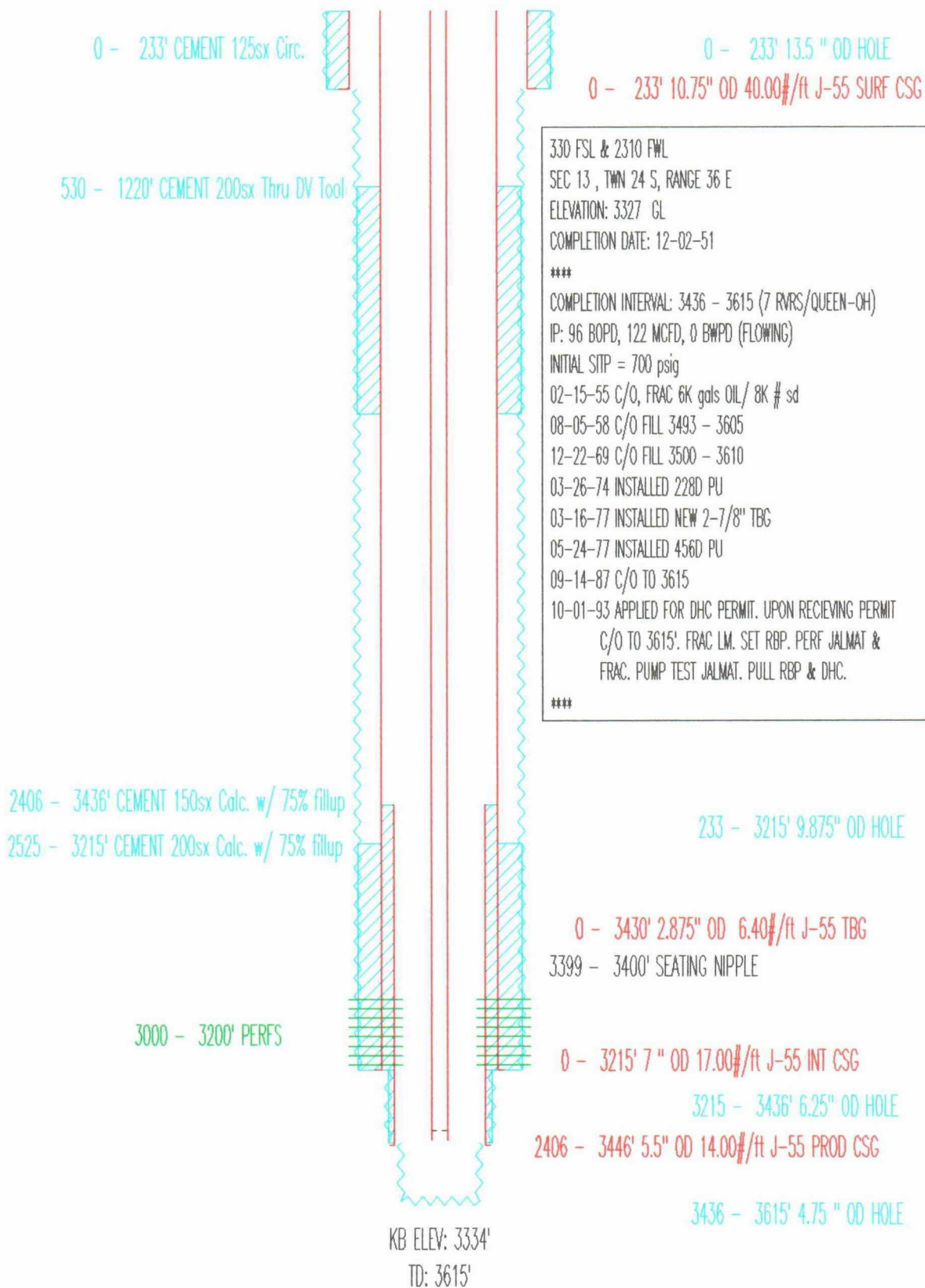
J = JALMAT STABILIZED GAS PRODUCTION RATE, MCFPD

T = TOTAL COMMINGLED GAS PRODUCTION RATE, MCFPD

LANGLIE MATTIX PROD. = M = (T - J) , MCFPD

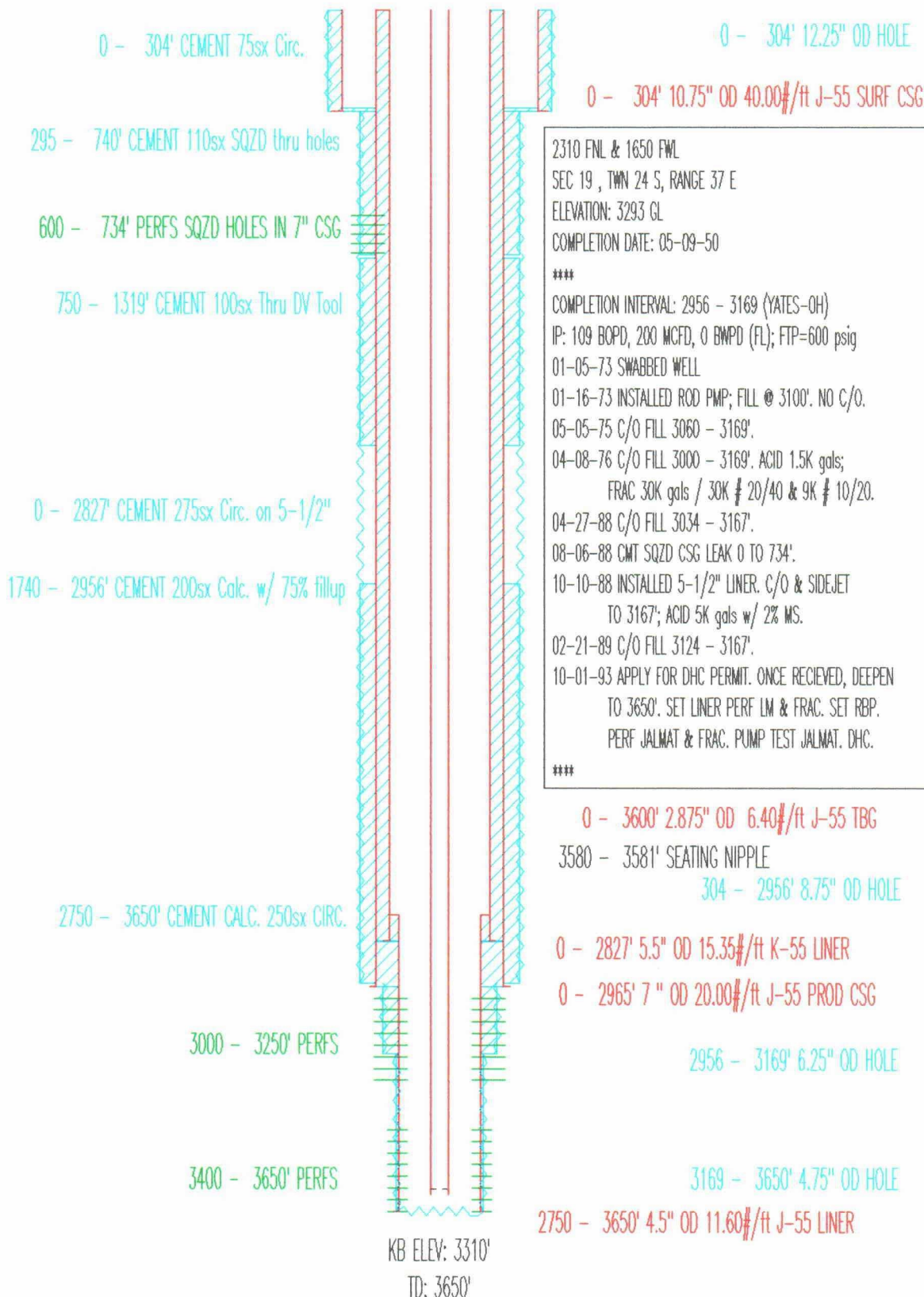
PROPOSED COMPLETION

TEXACO E & P INC.
COOPER JAL UNIT NO. 113
API# 3002509496



PROPOSED COMPLETION

TEXACO E & P INC.
COOPER JAL UNIT NO. 208
API# 3002511158



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT RECEIVING
OFFICE FOR NUMBER
OF COPIES REQUIRED
(Other instructions on
reverse side)

BLM Roswell District
Modified Form No.
NM060-3160-2

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

TEXACO EXPLORATION AND PRODUCTION INC.

3a. AREA CODE & PHONE NO.

(915) 688-4620

3. ADDRESS OF OPERATOR

P. O. Box 3109, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

2400' FSL & 1130' FWL, UNIT LETTER: L

At proposed prod. zone

SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

8 MILES NW OF JAL, NEW MEXICO

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drg. unit line, if any)

1510'

16. NO. OF ACRES IN LEASE

2581

17. NO. OF ACRES ASSIGNED
TO THIS WELL

38.10

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

725'

19. PROPOSED DEPTH

3750'

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, CR, ETC.)

GR-3287'

22. APPROX. DATE WORK WILL START*

OCTOBER 1, 1993

23.

PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	WC-50	ST&C	1150'	600 SACKS
7 7/8	5 1/2	15.5#	WC-50	LT&C	3750'	825 SACKS

CEMENTING PROGRAM:

SURFACE CASING - 400 SACKS CLASS C w/ 4% GEL, 2% CaCl₂ (13.5ppg, 1.74cf/s, 9.1gw/s).

F/B 200 SACKS CLASS C w/ 2% CaCl₂ (14.8ppg, 1.32cf/s, 6.3gw/s).

PRODUCTION CASING - 475 SACKS 35/65 POZ CLASS H w/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8ppg, 1.94cf/s, 10.4gw/s). F/B 350 SACKS CLASS H (15.6ppg, 1.18cf/s, 5.2gw/s).

THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION.

**FIELDS: JALMAT AND LANGLEIE MATTX, APPLICATION TO DOWN-HOLE COMINGLE IS BEING FILED.

UNORTHODOX LOCATION - EXCEPTION HAS BEEN APPLIED FOR. (SEE ATTACHED LETTER)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24.

SIGNED

C.P. Basham /cmh

TITLE

DRILLING OPERATIONS MANAGER

DATE

08-30-93

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

TITLE 18 U.S.C. SECTION 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT RECEIVING
OFFICE FOR NUMBER
OF COPIES REQUIRED
(Other instructions on
reverse side)

BLM Roswell District
Modified Form No.
NM080-3160-2

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐			5. LEASE DESIGNATION AND SERIAL NO. LC-032715		
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR TEXACO EXPLORATION AND PRODUCTION INC.			7. UNIT AGREEMENT NAME COPPER JAL UNIT		
3. ADDRESS OF OPERATOR P. O. Box 3109, Midland, Texas 79702			8. FARM OR LEASE NAME		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2150' FSL & 50' FWL, UNIT LETTER: L At proposed prod. zone SAME			9. WELL NO. 402		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 8 MILES NW OF JAL, NEW MEXICO			10. FIELD AND POOL, OR WILDCAT ==		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 2590'			11. SEC., T., R., M., OR BLK AND SURVEY OR AREA SEC. 19, T-24-S, R-37-E		
16. NO. OF ACRES IN LEASE 2581			12. COUNTY OR PARISH LEA		
17. NO. OF ACRES ASSIGNED TO THIS WELL 38.10			13. STATE NM		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 782'			20. ROTARY OR CABLE TOOLS ROTARY		
21. ELEVATIONS (Show whether DF, RT, GR, ETC.) GR-3294'			22. APPROX. DATE WORK WILL START* OCTOBER 1, 1993		

23. PROPOSED CASING AND CEMENTING PROGRAM						
HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	WC-50	ST&C	1150'	600 SACKS
7 7/8	6 1/2	15.5#	WC-50	LT&C	3750'	825 SACKS

CEMENTING PROGRAM:
SURFACE CASING - 400 SACKS CLASS C w/ 4% GEL, 2% Cacl2 (13.5ppg, 1.74cf/s, 9.1gw/s).
F/B 200 SACKS CLASS C w/ 2% Cacl2 (14.8ppg, 1.32cf/s, 6.3gw/s).
PRODUCTION CASING - 475 SACKS 35/65 POZ CLASS H w/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8ppg, 1.94cf/s, 10.4gw/s). F/B 350 SACKS CLASS H (15.6ppg, 1.18cf/s, 5.2gw/s).

THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION.

**FIELDS: JALMAT AND LANGLIE MATTX, APPLICATION TO DOWN-HOLE COMINGLE IS BEING FILED.

UNORTHODOX LOCATION - EXCEPTION HAS BEEN APPLIED FOR. (SEE ATTACHED LETTER)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; if proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24. SIGNED C.P. Basham /cwh TITLE DRILLING OPERATIONS MANAGER DATE 08-30-93

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

TITLE 18 U.S.C. SECTION 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT RECEIVING
OFFICE FOR NUMBER
OF COPIES REQUIRED
(Other instructions on
reverse side)

BLM Roswell District,
Modified Form No.
NM060-3160-2

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5. LEASE DESIGNATION AND SERIAL NO. NM-0321613	
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR TEXACO EXPLORATION AND PRODUCTION INC.		7. UNIT AGREEMENT NAME COPPER JAL UNIT	
3a. AREA CODE & PHONE NO. (915) 688-4620		8. FARM OR LEASE NAME	
3. ADDRESS OF OPERATOR P. O. Box 3109, Midland, Texas 79702		9. WELL NO. 403	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 150' FNL & 100' FWL, UNIT LETTER: D At proposed prod. zone SAME		10. FIELD AND POOL, OR WILDCAT nm	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 8 MILES NW OF JAL, NEW MEXICO		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 19, T-24-S, R-37-E	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drip. unit line, if any) 2540'	16. NO. OF ACRES IN LEASE 2581	17. NO. OF ACRES ASSIGNED TO THIS WELL 38.12	
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 865'	19. PROPOSED DEPTH 3750'	20. ROTARY OR CABLE TOOLS ROTARY	
21. ELEVATIONS (Show whether OF, RT, GR, ETC.) GR-3308'		22. APPROX. DATE WORK WILL START* OCTOBER 1, 1993	

23. PROPOSED CASING AND CEMENTING PROGRAM						
HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	WC-50	ST&C	1180'	600 SACKS
7 7/8	5 1/2	15.5#	WC-50	LT&C	3750'	825 SACKS

CEMENTING PROGRAM:

SURFACE CASING - 400 SACKS CLASS C w/ 4% GEL, 2% Cacl2 (13.5ppg, 1.74cf/s, 9.1gw/s).

F/B 200 SACKS CLASS C w/ 2% Cacl2 (14.8ppg, 1.32cf/s, 6.3gw/s).

PRODUCTION CASING - 475 SACKS 36/66 POZ CLASS H w/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8ppg, 1.94cf/s, 10.4gw/s). F/B 350 SACKS CLASS H (15.6ppg, 1.18cf/s, 5.2gw/s).

THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION.

**FIELDS: JALMAT AND LANGLEIE MATTIX, APPLICATION TO DOWN-HOLE COMINGLE IS BEING FILED.

UNORTHODOX LOCATION - EXCEPTION HAS BEEN APPLIED FOR. (SEE ATTACHED LETTER)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED C.R. Basham / cwu TITLE DRILLING OPERATIONS MANAGER DATE 08-30-93

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

TITLE 18 U.S.C. SECTION 1001 makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Submit to Appropriate
District Office
State Lease -- 6 copies
Fee Lease -- 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells)

30-D25-32218

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☐

b. Type of Well:

OIL

WELL ☒

GAS

WELL ☐

OTHER ☐

SINGLE

ZONE ☐

MULTIPLE

ZONE ☒

2. Name of Operator

TEXACO EXPLORATION AND PRODUCTION INC.

3. Well No.

404

3. Address of Operator

P. O. Box 3109, Midland, Texas 79702

9. Pool name or Wildcat

Langlie Mattix SR-DA

4. Well Location

Unit Letter B : 510 Feet From The NORTH Line and 2310 Feet From The EAST Line

Section 24 Township 24-SOUTH Range 36-EAST NMPM LEA County

10. Proposed Depth

3750'

11. Formation

SR-DA

12. Rotary or C.T.

ROTARY

13. Elevations (Show whether DF, RT, GR, etc.)

GR-3314'

14. Kind & Status Plug Bond

BLANKET

15. Drilling Contractor

TO BE SELECTED

16. Approx. Date Work will start

OCTOBER 1, 1993

17.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	8 5/8	24#	1180'	600	SURFACE
7 7/8	5 1/2	15.5#	3750'	825	SURFACE

CEMENTING PROGRAM:

SURFACE CASING - 400 SX CLASS C w/ 4% GEL & 2% CaCl₂ (13.5ppg, 1.74cf/s, 9.1gw/s). F/B 200 SX CLASS C w/ 2% CaCl₂ (14.8ppg, 1.32cf/s, 6.3gw/s).

PRODUCTION CASING - 475 SACKS 35/65 POZ CLASS H w/ 6% GEL, 6% SALT, 1/4# FLOCELE (12.8ppg, 1.94cf/s, 10.4gw/s). F/B 350 SACKS CLASS H (15.6ppg, 1.18cf/s, 5.2gw/s).

THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION.

~ FIELDS: JALMAT/TANSIL, YATES, 7RVRS FORMATIONS; LANGLIE MATTIX/7RVRS, QUEEN FORMATIONS.
REQUEST TO DOWN-HOLE COMMINGLE IS BEING FILED.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE C. P. Basham/cwb TITLE DRILLING OPERATIONS MANAGER DATE 08-31-93

TYPE OR PRINT NAME C. P. BASHAM

TELEPHONE NO. (915) 688-4621

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

SEP 02 1993

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT RECEIVING
OFFICE FOR NUMBER
OF COPIES REQUIRED
(Other instructions on
reverse side)

BLM Roswell District
Modified Form No.
NMO60-3160-2

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5. LEASE DESIGNATION AND SERIAL NO. LC-032715
1b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR TEXACO EXPLORATION AND PRODUCTION INC.		7. UNIT AGREEMENT NAME COPPER JAL UNIT
3. ADDRESS OF OPERATOR P. O. Box 3109, Midland, Texas 79702		8. FARM OR LEASE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1055' FSL & 1385' FWL, UNIT LETTER: N At proposed prod. zone SAME		9. WELL NO. 405
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 8 MILES NW OF JAL, NEW MEXICO		10. FIELD AND POOL, OR WILDCAT
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1255'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 19, T-24-S, R-37-E
16. NO. OF ACRES IN LEASE 2581		12. COUNTY OR PARISH LEA
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 644'		20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (Show whether DF, RT, GR, ETC.) GR-3279'		22. APPROX. DATE WORK WILL START* OCTOBER 1, 1993

23. PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	WC-50	ST&C	1140'	600 SACKS
7 7/8	5 1/2	15.5#	WC-50	LT&C	3750'	825 SACKS

CEMENTING PROGRAM:

SURFACE CASING - 400 SACKS CLASS C w/ 4% GEL, 2% Cacl₂ (13.5ppg, 1.74cf/s, 9.1gw/s).

F/B 200 SACKS CLASS C w/ 2% Cacl₂ (14.8ppg, 1.32cf/s, 6.3gw/s).

PRODUCTION CASING - 475 SACKS 35/65 POZ CLASS H w/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8ppg, 1.94cf/s, 10.4gw/s). F/B 350 SACKS CLASS H (15.6ppg, 1.18cf/s, 5.2gw/s).

THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION.

*FIELDS: JALMAT AND LANGLIE MATTIX, APPLICATION TO DOWN-HOLE COMINGLE IS BEING FILED.

UNORTHODOX LOCATION - EXCEPTION HAS BEEN APPLIED FOR. (SEE ATTACHED LETTER)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24. SIGNED C. P. Basham / cwh TITLE DRILLING OPERATIONS MANAGER DATE 08-30-93

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

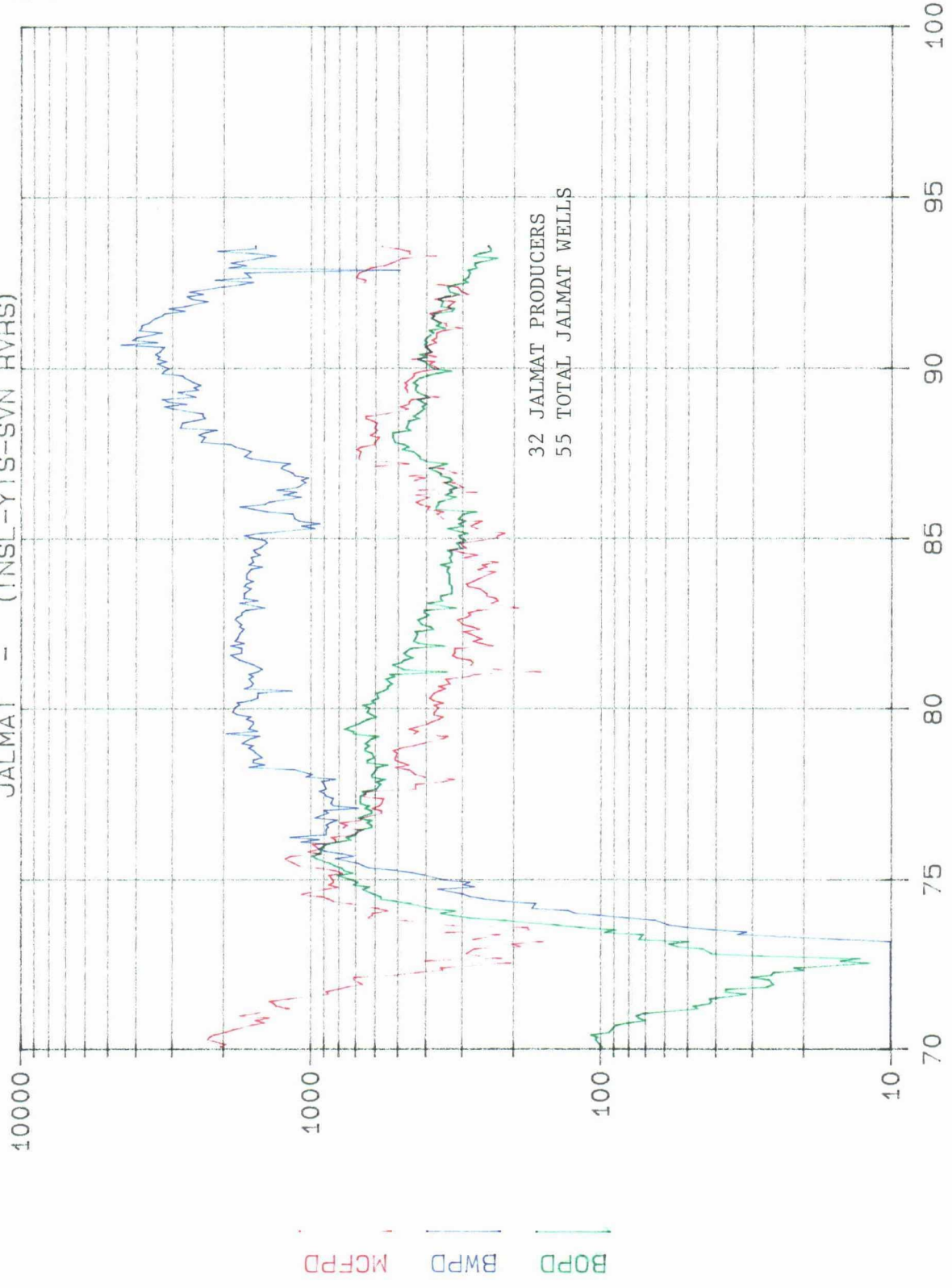
TITLE 18 U.S.C. SECTION 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

COOPER JAL UNIT

JALMAT - (TNSL-YTS-SVN RVRS)

LEASE DATA
LSE 141560
FLD 33820
OPER TEPI
ZONE 000
--
COUNTY 025
STATE 30

STATUS 7-93
CO 3719 MBO
CG 4891 MMCf
CW 14403 MBW
BOPD 244
BWPD 1543
MCFPD 569
WELLS 32
CI 0 MBWI
BWIPD 0

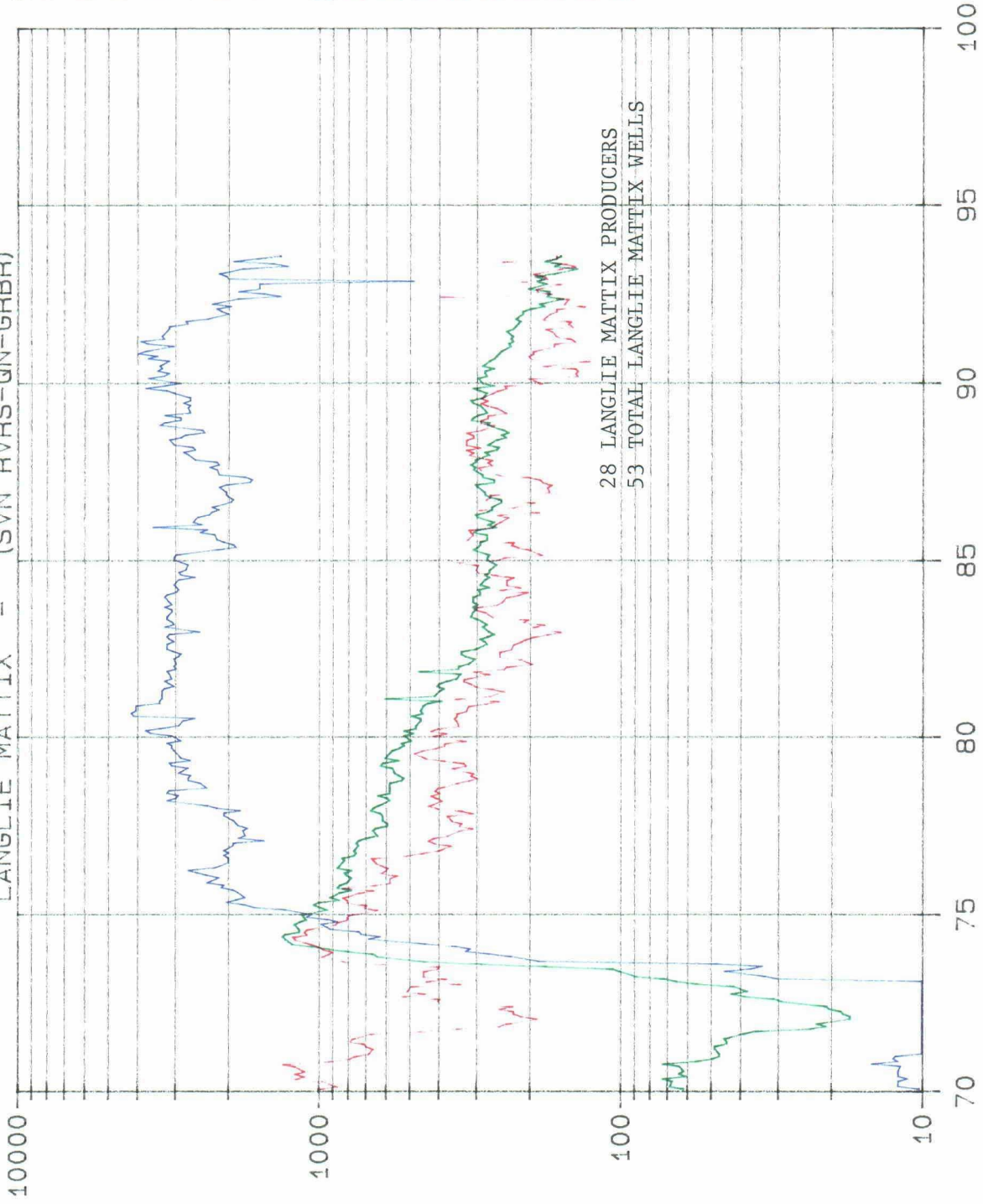


YEARS

COOPER JAL UNIT LANGLIE MATTIX - (SVN RVRS-QN-GRBR)

LEASE DATA
LSE 141560
FLD 37240
OPER TPI
ZONE 000
--
COUNTY 025
STATE 30

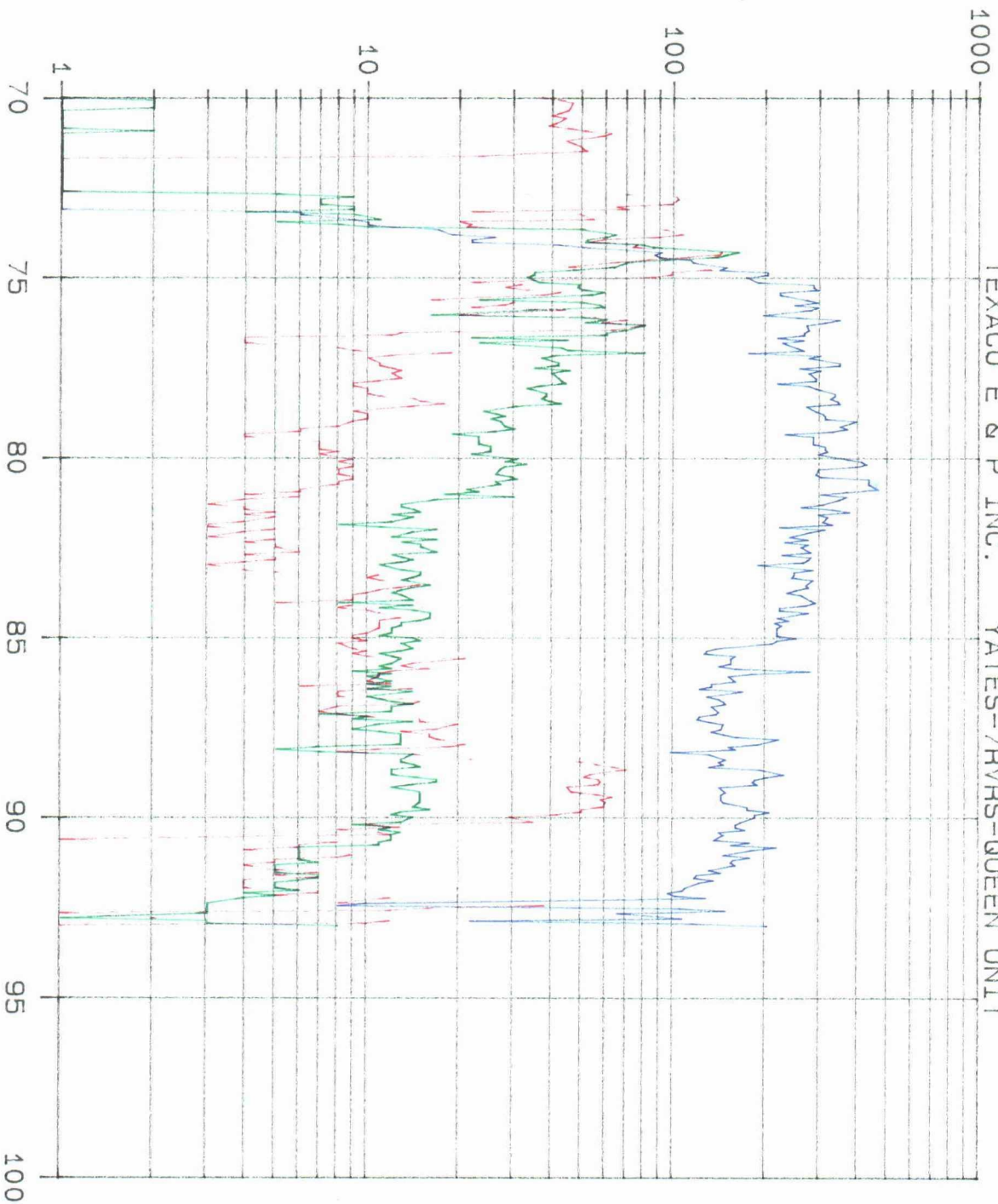
STATUS 7-93
CO 5277 MBO
CG 13795 MMCF
CW 18237 MBW
BOPD 156
BWPD 1342
MCFPD 162
WELLS 28
CI 0 MBWI
BWIPD 0



YEARS

COOPER JAL UNIT - No. 113

TEXACO E & P INC. YATES-7R/YRS-QUEEN UNIT

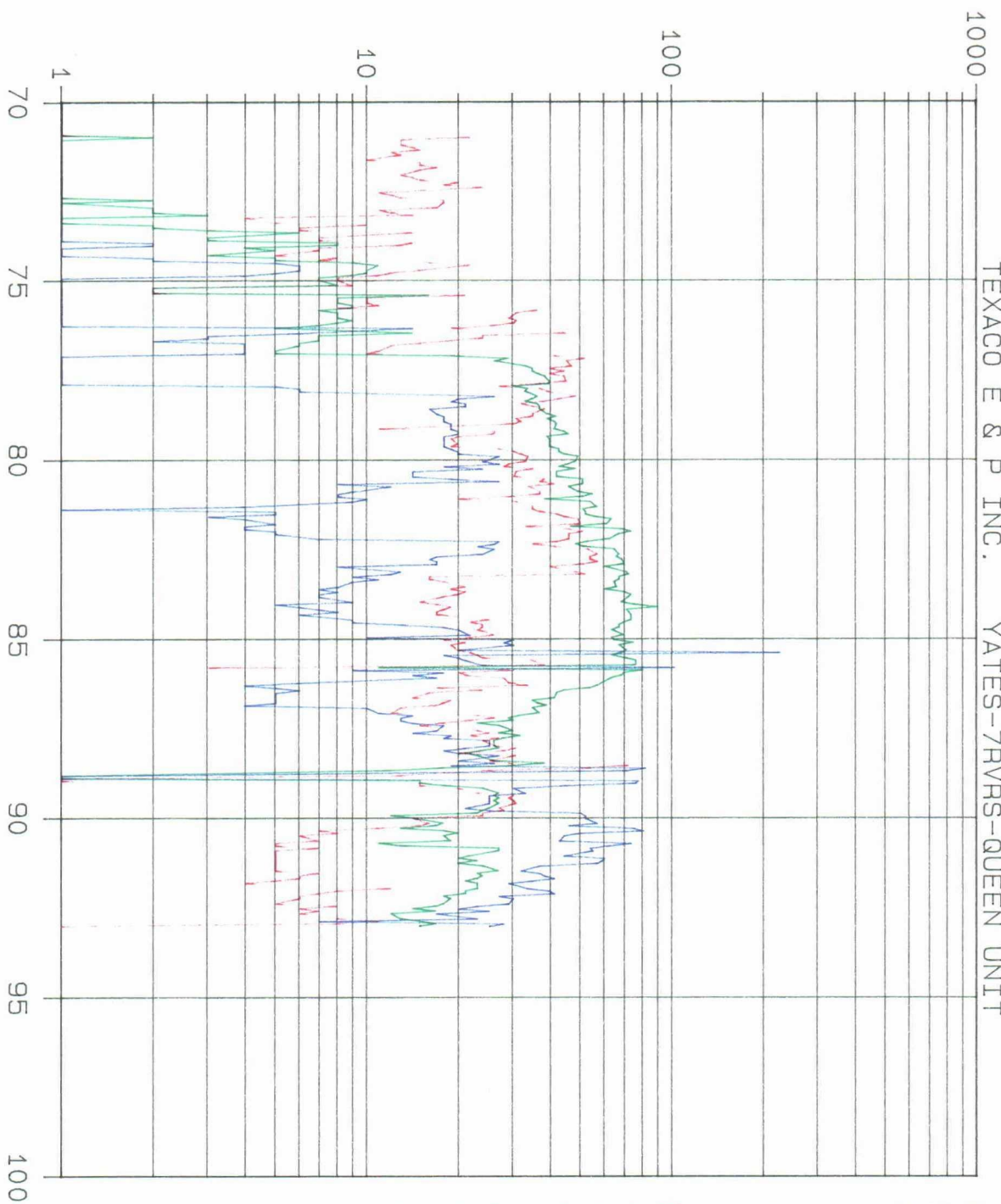


YEARS

LEASE DATA
 LSE 141560
 FLD
 OPER 833331
 ZONE
 24S-36E-24
 COUNTY 025
 STATE 30
 STATUS 12-92
 CO 200 MBO
 CG 573 MMCF
 CW 1516 MBW
 BOPD 8
 BWPD 201
 MCFPD 0
 WELLS 1
 CI 0 MBWI
 BWIPD 0

COOPER JAL UNIT - No. 208

TEXACO E & P INC. YATES-7RVR-S-QUEEN UNIT



LEASE DATA
 LSE 141560
 FLD
 OPER 833331
 ZONE
 24S-37E-19
 COUNTY 025
 STATE 30

STATUS 12-92
 CO 394 MB0
 CG 1286 MMCF
 CW 134 MBW
 BOPD 15
 BWPD 25
 MCFPD 0
 WELLS 1
 CI 0 MBWI
 BWIPD 0

YEARS

P 155 042 777

1991
Coverage Provided.

B.L.M.
P.O. BOX 1778
CARLSBAD, NM 88220

PS Form 3800, June 1991

Postage	\$ 1.90
Registration Fee	1.00
Postage Insurance Fee	1.00
Registered Mail Fee	
Return Receipt Shipping to Whom & Date of Receipt	
Return Receipt Shipping to Whom, Date, and Address of Addressee	
TOTAL Postage & Fees	\$ 3.90
Postmark or Date	

P 369 424 328



Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Conoco Inc.
P.O. Box 1959
Midland, TX 79702

PS Form 3800, June 1991

Postage	0.98
Registration Fee	1.00
Postage Insurance Fee	1.00
Registered Mail Fee	
Return Receipt Shipping to Whom & Date of Receipt	
Return Receipt Shipping to Whom, Date, and Address of Addressee	
TOTAL Postage & Fees	\$ 2.98
Postmark or Date	

P 369 424 326



Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail

Meridian Oil Inc.
P.O. Box 51810
Midland, Texas 79710

PS Form 3800, June 1991

Postage	0.98
Registration Fee	1.00
Postage Insurance Fee	1.00
Registered Mail Fee	
Return Receipt Shipping to Whom & Date of Receipt	
Return Receipt Shipping to Whom, Date, and Address of Addressee	
TOTAL Postage & Fees	\$ 2.98
Postmark or Date	

P 369 424 327



Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

PS Form 3800, June 1991

Postage	0.98
Registration Fee	1.00
Postage Insurance Fee	1.00
Registered Mail Fee	
Return Receipt Shipping to Whom & Date of Receipt	
Return Receipt Shipping to Whom, Date, and Address of Addressee	
TOTAL Postage & Fees	\$ 2.98
Postmark or Date	



September 10, 1993

COOPER JAL UNIT
NOTIFICATION OF APPLICATION FOR DOWNHOLE COMMINGLING
JALMAT AND LANGLIE MATTIX FIELDS
LEA COUNTY, NEW MEXICO

OFFSET OPERATORS :

This letter is to notify you that Texaco Exploration & Production Inc. is requesting New Mexico Oil Conservation Division approval to downhole commingle seven wells on the Cooper Jal Unit in Lea County, New Mexico. The following is the list of wells that Texaco is submitting for downhole commingling approval :

CURRENT PRODUCERS

113 - Unit Letter M, 330'FSL & 2310'FWL, Section 13, T24S, R36E
208 - Unit Letter F, 2310'FNL & 1650'FWL, Section 19, T24S, R37E

PROPOSED PRODUCERS

401 - Unit Letter L, 2400'FSL & 1130'FWL, Section 19, T24S, R37E
402 - Unit Letter L, 2150'FSL & 50'FWL, Section 19, T24S, R37E
403 - Unit Letter D, 150'FNL & 100'FWL, Section 19, T24S, R37E
404 - Unit Letter B, 510'FNL & 2310'FEL, Section 24, T24S, R36E
405 - Unit Letter N, 1055'FSL & 1385'FWL, Section 19, T24S, R37E

Texaco Exploration and Production Inc. recently submitted a proposal to the New Mexico Oil Conservation Division for certification of Enhanced Oil Recovery on the Cooper Jal Unit. This proposal includes the subject wells as downhole commingled infield producers. The Jalmat and Langlie Mattix pools have been simultaneously waterflooded since October 1970. All produced fluids have entered a common production and injection facility since that time with no fluid compatibility problems.

Attached are maps showing the locations of the above wells and a copy of the pertinent wellbore data.

Interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico, 87501, within fifteen (15) days of receipt of this letter.

Sincerely,

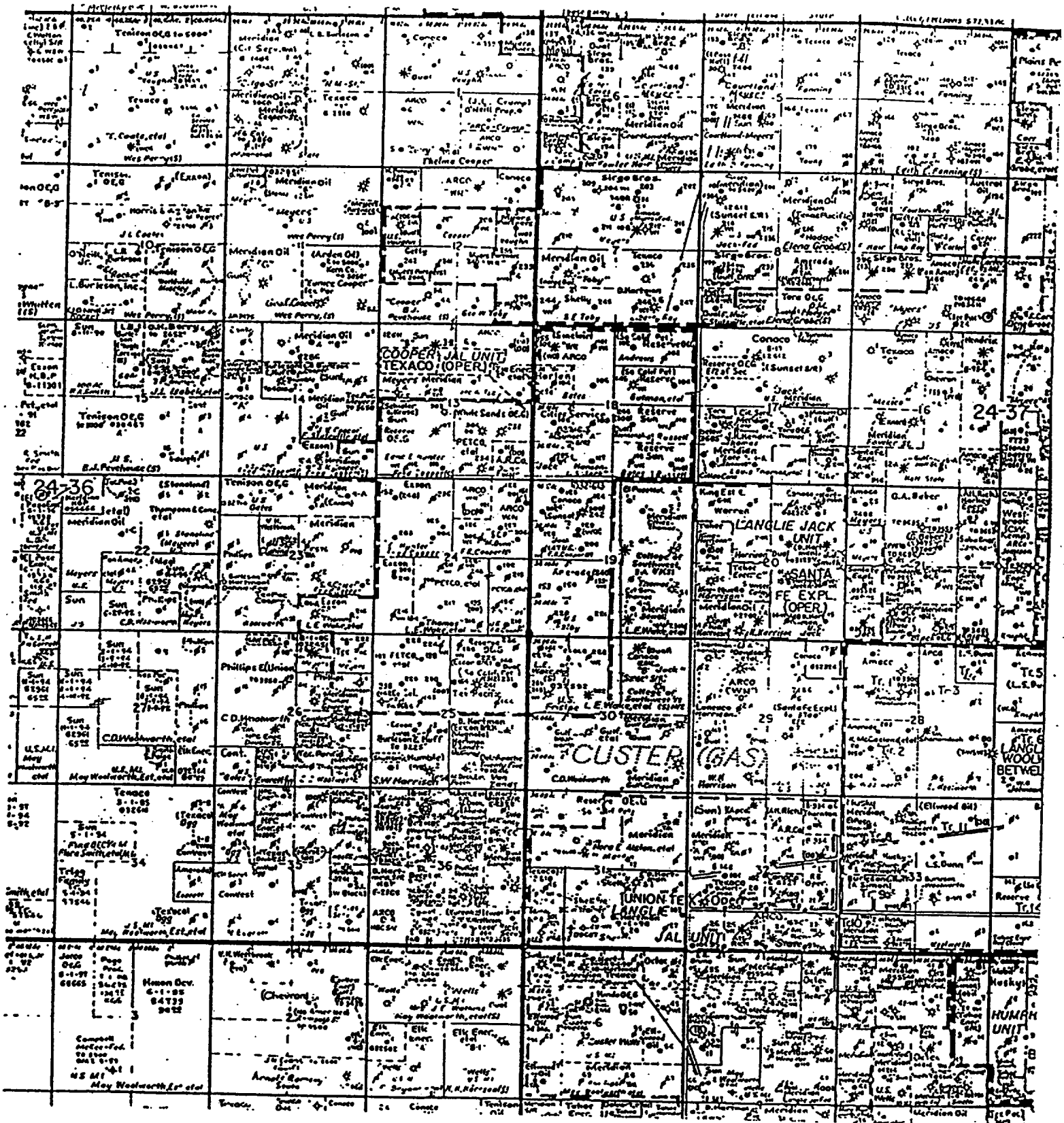
Michael C. Alexander
Production Engineer

MCA/s
Attachments
cc : NMOCD Santa Fe

COOPER JAL UNIT

JALMAT & LANGLIE MATTIX FIELDS

Cooper Jal Unit Area



SCALE : 1" = 4400'

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Geology, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

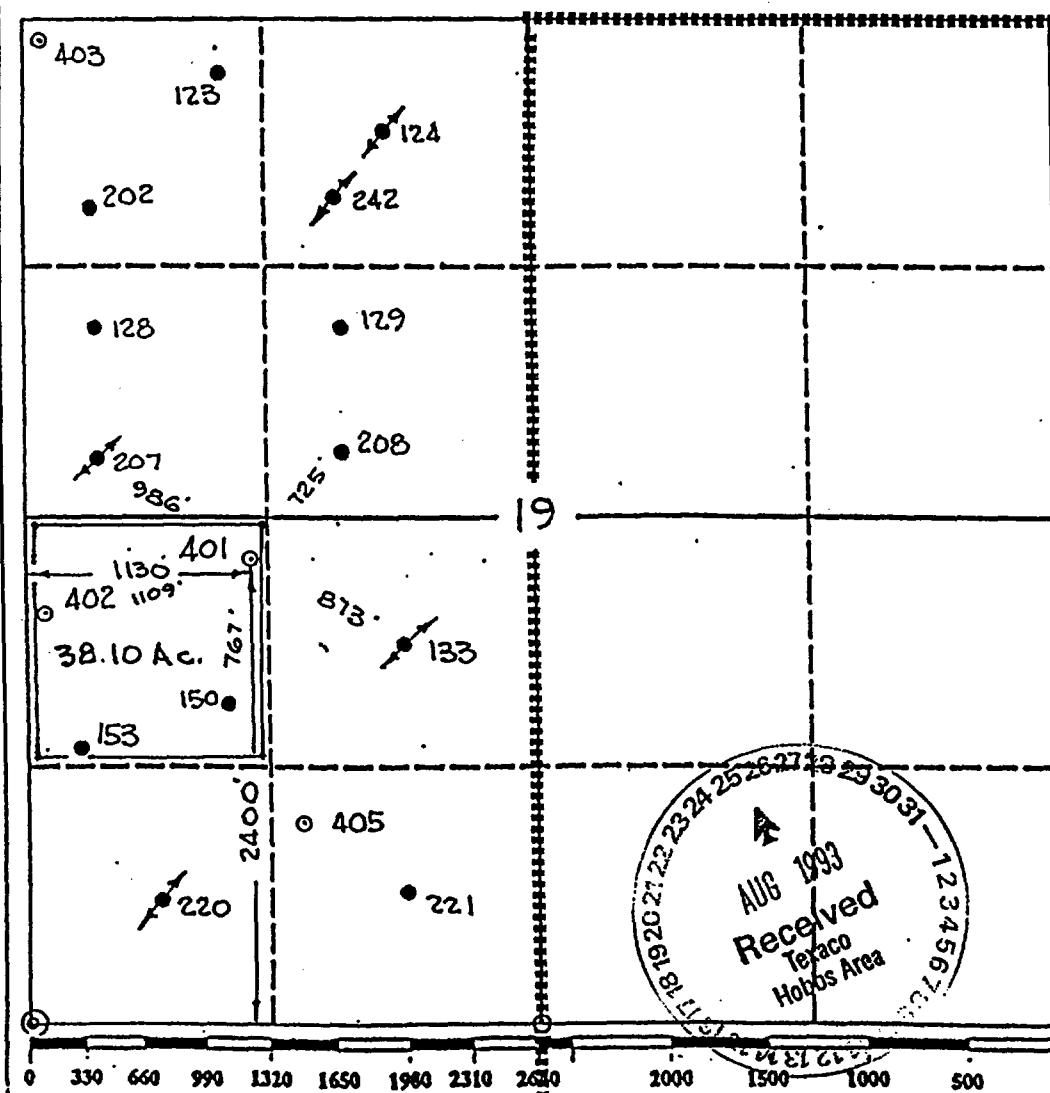
WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

NOTICE OF LOCATION

Operator TEXACO EXPLORATION & PRODUCTION			Lease COOPER JAL UNIT		Well No. 401
Unit Letter L	Section 19	Township 24-South	Range 37-East	County NMPM Lea	
Actual Footage Location of Well: 2400 feet from the South line and 1130 feet from the West line					
Ground level Elev. 3287		Producing Formation Mansel, Yates, 7RVS; 7RVS, Queen		Pool Jalmat; Langlie Mattix	
				Dedicated Acreage: 38.10 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communalization, unitization, force-pooling, etc?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).
No allowable will be assigned to the well until all interests have been consolidated (by communalization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
Aug. 23, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Aug. 17, 1993
Signature & Seal of
Professional Surveyor
John S. Piper
Certificate No.
7254 John S. Piper
Lea Co. FB. 8 Pg. 75

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Department of Geology, Minerals and Natural Resources

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Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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1000 Rio Brazos Rd., Artec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

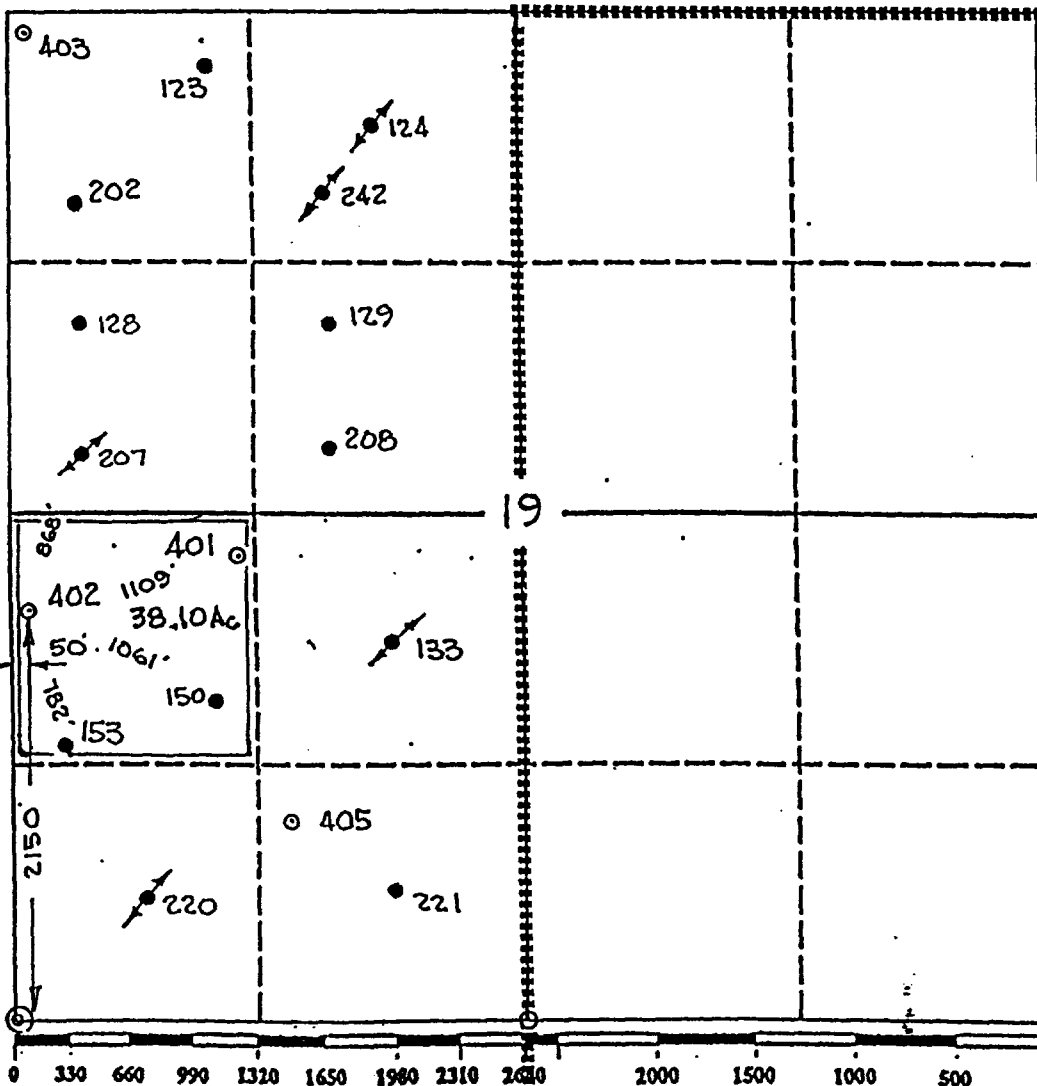
Operator TEXACO EXPLORATION & PRODUCTION			Lease COOPER JAL UNIT		Well No. 402
Unit Letter L	Section 19	Township 24-South	Range 37-East	County NMPM	Lea

Actual Footage Location of Well:

2150 feet from the South line and 50 feet from the West line

Ground level Elev. 3294	Producing Formation Mansel, Yates, TRVRS; TRVRS, Queen	Pool Jalmat; Langlie Mattix	Dedicated Acreage: 38.10 Acres
----------------------------	--	--------------------------------	-----------------------------------

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc?
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Lea Co. FB. 8, Pg. 76

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State of New Mexico
Energy, Minerals and Natural Resources Department

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DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPLORATION & PRODUCTION			Lease COOPER JAL UNIT		Well No. 403
Unit Letter D	Section 19	Township 24-South	Range 37-East	County Lea	NMPM
Actual Footage Location of Well: 150 feet from the North line and 100 feet from the West line					
Ground level Elev. 3308	Producing Formation Mangal, Yates, 7RVRS; 7RVRS, Queen		Pool Jalmat; Langlie Mattix		Dedicated Acreage: 38.12 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communalization, unitization, force-pooling, etc.?

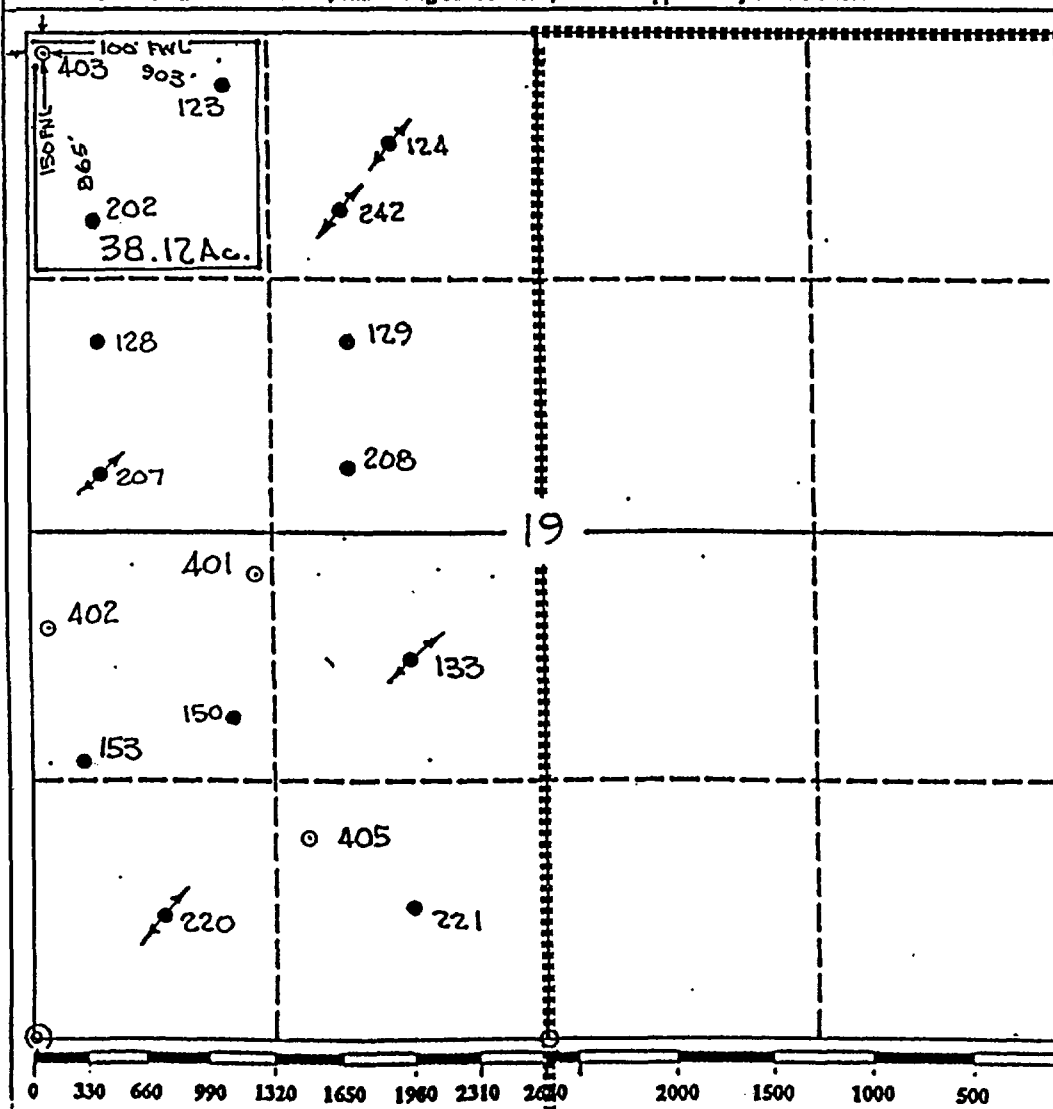
☒ Yes

☐ No

If answer is "yes" type of consolidation Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

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John S. Piper

Certificate No.

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Lea Co. FB. 8, Pg. 77

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Energy, Minerals and Natural Resources Department

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DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPLORATION & PRODUCTION			Lease COOPER JAL UNIT		Well No. 404
Unit Letter B	Section 24	Township 24-South	Range 36-East	County Lea	
Actual Footage Location of Well: 510 feet from the North line and 2310 feet from the East line					
Ground level Elev. 3314	Producing Formation TANSEL, YATES, 7RVRS; 7RVRS, QUEEN		Pool JALMONT; LANGLIE MATTIX	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

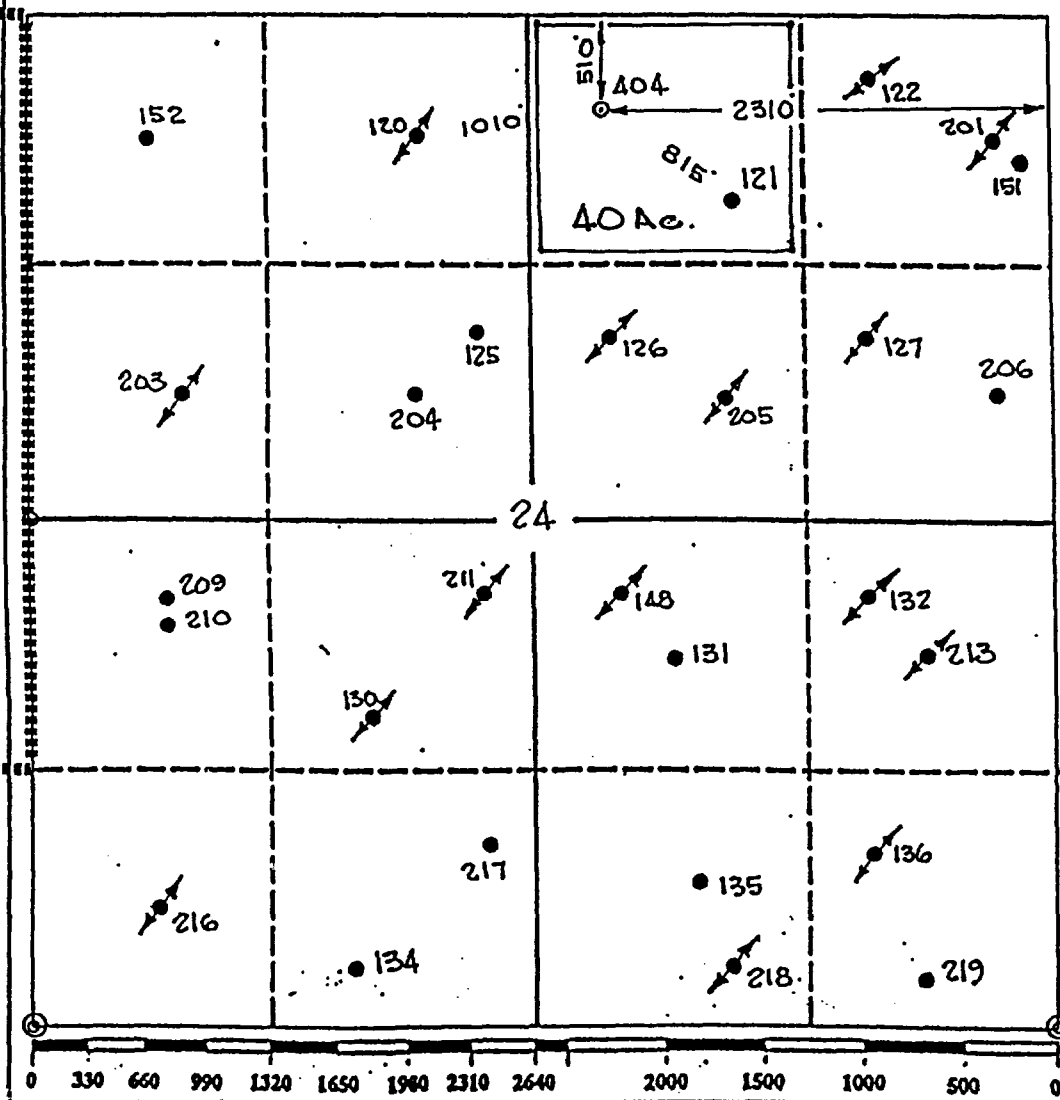
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation **Unitization**

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

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Texaco Expl. & Prod.

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Professional Surveyor

John S. Piper

Certificate No.

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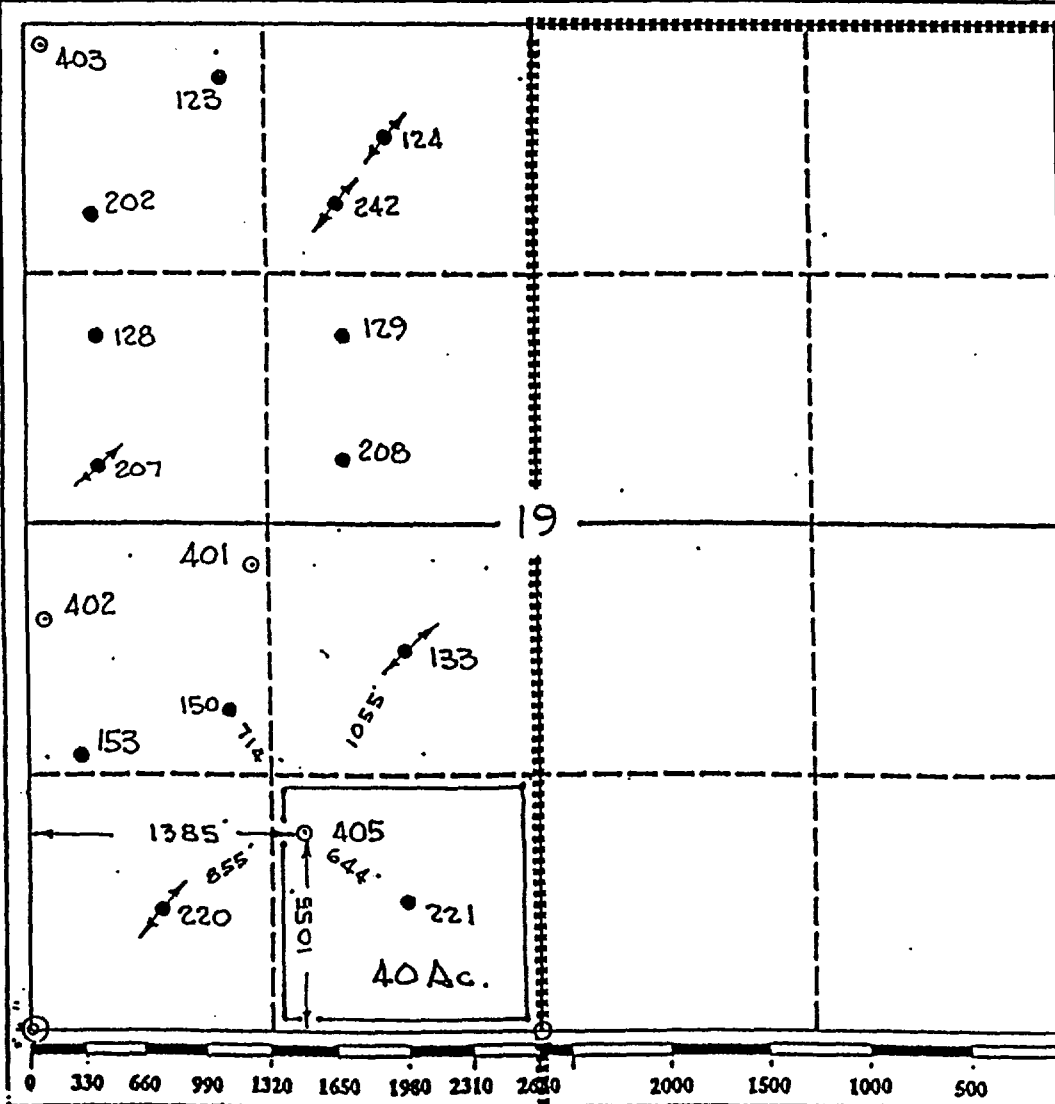
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPLORATION & PRODUCTION			Lease COOPER JAL UNIT		Well No. 405
Unit Letter N	Section 19	Township 24-South	Range 37-East	County Lea	
Actual Footage Location of Well: 1055 feet from the South line and 1385 feet from the West line					
Ground level Elev. 3279	Producing Formation Mansel, Yates, 7RVRs; 7RVRs, Queen		Pool Jalmat; Langlie Mattix		Dedicated Acreage: 40 Acres

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Printed Name

Royce D. Mariott

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Company

Texaco Expl. & Prod.

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Date Surveyed

Aug. 17, 1993

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Professional Surveyor

John S. Piper

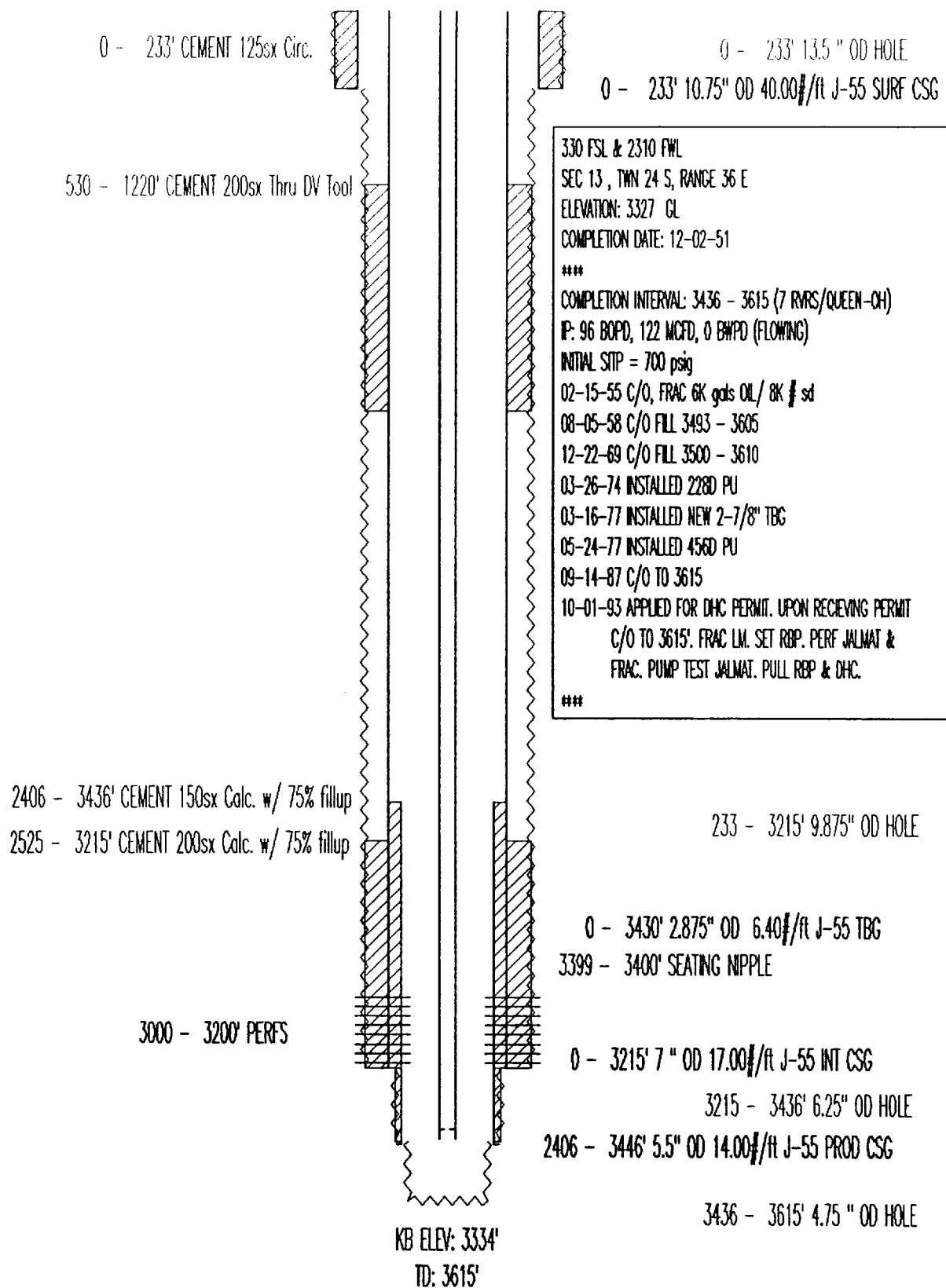
Certificate No.

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Lea Co. FB. 8, Pg. 79

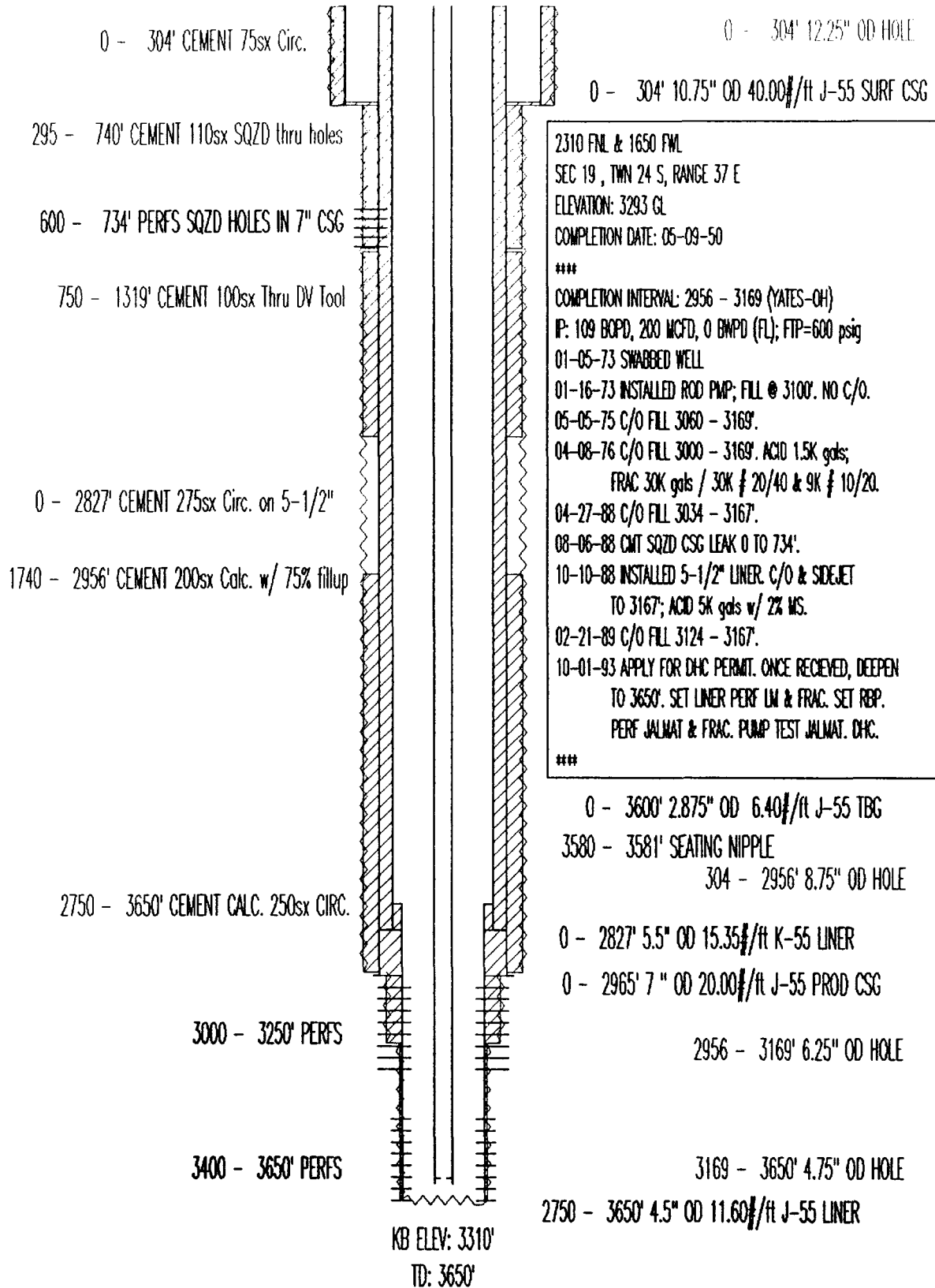
PROPOSED COMPLETION

TEXACO E & P INC.
COOPER JAL UNIT NO. 113
API# 3002509496



PROPOSED COMPLETION

TEXACO E & P INC.
COOPER JAL UNIT NO. 208
API# 3002511158



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT RECEIVING
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OF COPIES REQUIRED
(Other instructions on
reverse side)

BLM Roswell District
Modified Form No.
NM4060-3160-2

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

12. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5. LEASE DESIGNATION AND SERIAL NO. LC-032715
13. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR TEXACO EXPLORATION AND PRODUCTION INC.		7. UNIT AGREEMENT NAME COPPER JAL UNIT
3a. AREA CODE & PHONE NO. (915) 688-4620		8. FARM OR LEASE NAME
3. ADDRESS OF OPERATOR P. O. Box 3109. Midland, Texas 79702		9. WELL NO. 401
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2400' FSL & 1130' FWL, UNIT LETTER: L At proposed prod. zone SAME		10. FIELD AND POOL, OR WILDCAT **
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 8 MILES NW OF JAL, NEW MEXICO		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 19, T-24-S, R-37-E
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 1510'	16. NO. OF ACRES IN LEASE 2581	17. NO. OF ACRES ASSIGNED TO THIS WELL 38.10
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 725'	19. PROPOSED DEPTH 3750'	20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (Show whether OF, RT, CR, ETC.) GR-3287'		22. APPROX. DATE WORK WILL START* OCTOBER 1, 1993

23. PROPOSED CASING AND CEMENTING PROGRAM						
HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	WC-50	ST&C	1150'	600 SACKS
7 7/8	5 1/2	15.5#	WC-50	LT&C	3750'	825 SACKS

CEMENTING PROGRAM:

SURFACE CASING - 400 SACKS CLASS C w/ 4% GEL, 2% Cacl₂ (13.5ppg, 1.74cf/s, 9.1gw/s).

F/B 200 SACKS CLASS C w/ 2% Cacl₂ (14.8ppg, 1.32cf/s, 6.3gw/s).

PRODUCTION CASING - 475 SACKS 35/65 POZ CLASS H w/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8ppg, 1.94cf/s, 10.4gw/s). F/B 350 SACKS CLASS H (15.6ppg, 1.18cf/s, 5.2gw/s).

THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION.

**FIELDS: JALMAT AND LANGLE MATTX, APPLICATION TO DOWN-HOLE COMINGLE IS BEING FILED.

UNORTHODOX LOCATION - EXCEPTION HAS BEEN APPLIED FOR. (SEE ATTACHED LETTER)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24.

SIGNED C.P. Bashem /cmh TITLE DRILLING OPERATIONS MANAGER DATE 08-30-93

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

TITLE 18 U.S.C. SECTION 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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BLM Roswell District
Modified Form No.
NMO60-3160-2

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK			5. LEASE DESIGNATION AND SERIAL NO. LC-032715	
1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒			7. UNIT AGREEMENT NAME COPPER JAL UNIT	
2. NAME OF OPERATOR TEXACO EXPLORATION AND PRODUCTION INC.			8. FARM OR LEASE NAME	
3. ADDRESS OF OPERATOR P. O. Box 3109, Midland, Texas 79702			9. WELL NO. 402	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2150' FSL & 50' FWL, UNIT LETTER: L At proposed prod. zone SAME			10. FIELD AND POOL, OR WILDCAT **	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 8 MILES NW OF JAL, NEW MEXICO			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 19, T-24-S, R-37-E	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 2590'		16. NO. OF ACRES IN LEASE 2581	17. NO. OF ACRES ASSIGNED TO THIS WELL 38.10	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 782'		19. PROPOSED DEPTH 3750'	20. ROTARY OR CABLE TOOLS ROTARY	
21. ELEVATIONS (Show whether OF, RT, GR, ETC.) GR-3294'			22. APPROX. DATE WORK WILL START* OCTOBER 1, 1993	

23. PROPOSED CASING AND CEMENTING PROGRAM						
HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	WC-50	ST&C	1150'	600 SACKS
7 7/8	6 1/2	16.5#	WC-50	LT&C	3750'	825 SACKS

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F/B 200 SACKS CLASS C w/ 2% Cacl₂ (14.8ppg, 1.32cf/s, 6.3gw/s).

PRODUCTION CASING - 475 SACKS 35/65 POZ CLASS H w/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8ppg, 1.94cf/s, 10.4gw/s). F/B 350 SACKS CLASS H (15.6ppg, 1.18cf/s, 5.2gw/s).

THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION.

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(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____
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BLM Roswell District
Modified Form No.
NM060-3160-2

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐			6. LEASE DESIGNATION AND SERIAL NO. NM-0321613			
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒			6. IF INDIAN, ALLOTTEE OR TRIBE NAME			
2. NAME OF OPERATOR TEXACO EXPLORATION AND PRODUCTION INC.			7. UNIT AGREEMENT NAME COPPER JAL UNIT			
3. ADDRESS OF OPERATOR P. O. Box 3109, Midland, Texas 79702			8. FARM OR LEASE NAME			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 150' FNL & 100' FWL, UNIT LETTER: D At proposed prod. zone SAME			9. WELL NO. 403			
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 8 MILES NW OF JAL, NEW MEXICO			10. FIELD AND POOL, OR WILDCAT ---			
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any) 2540'		16. NO. OF ACRES IN LEASE 2581	17. NO. OF ACRES ASSIGNED TO THIS WELL 38.12			
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 865'		19. PROPOSED DEPTH 3750'	20. ROTARY OR CABLE TOOLS ROTARY			
21. ELEVATIONS (Show whether OF, RT, GR, ETC.) GR-3308'			22. APPROX. DATE WORK WILL START* OCTOBER 1, 1993			
23. PROPOSED CASING AND CEMENTING PROGRAM						
HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	WC-60	ST&C	1180'	600 SACKS
7 7/8	5 1/2	15.5#	WC-50	LT&C	3750'	825 SACKS

CEMENTING PROGRAM:

SURFACE CASING - 400 SACKS CLASS C w/ 4% GEL, 2% Cacl₂ (13.6ppg, 1.74cf/s, 9.1gw/s).

F/B 200 SACKS CLASS C w/ 2% Cacl₂ (14.8ppg, 1.32cf/s, 6.3gw/s).

PRODUCTION CASING - 475 SACKS 36/65 POZ CLASS H w/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8ppg, 1.94cf/s, 10.4gw/s). F/B 350 SACKS CLASS H (15.6ppg, 1.18cf/s, 5.2gw/s).

THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION.

**FIELDS: JALMAT AND LANGLE MATTX, APPLICATION TO DOWN-HOLE COMINGLE IS BEING FILED.

UNORTHODOX LOCATION - EXCEPTION HAS BEEN APPLIED FOR. (SEE ATTACHED LETTER)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED C. P. Basham / cwu TITLE DRILLING OPERATIONS MANAGER DATE 08-30-93

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

TITLE 18 U.S.C. SECTION 1001 makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells)

30-D25-32218

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒

RE-ENTER ☐

DEEPEEN ☐

PLUG BACK ☐

b. Type of Well:

OIL

WELL ☒

GAS

WELL ☐

OTHER

SINGLE

ZONE ☐

MULTIPLE

ZONE ☒

7. Name of Operator

TEXACO EXPLORATION AND PRODUCTION INC.

8. Well No.

404

9. Address of Operator

P. O. Box 3109, Midland, Texas 79702

9. Pool name or Wildcat

Langlie Mattix SR-R

4. Well Location

Unit Letter B : 510 Feet From The NORTH Line and 2310 Feet From The EAST Line

Section 24

Township 24-SOUTH

Range 36-EAST

NMPM

LEA

County

10. Proposed Depth

3750'

11. Formation

SR-R

12. Rotary or C.T.

ROTARY

13. Elevations (Show whether DF, RT, GR, etc.)

GR-3314'

14. Kind & Status Plug, Bond

BLANKET

15. Drilling Contractor

TO BE SELECTED

16. Approx. Date Work will start

OCTOBER 1, 1993

17.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	8 5/8	24#	1180'	600	SURFACE
7 7/8	5 1/2	15.5#	3750'	825	SURFACE

CEMENTING PROGRAM:

SURFACE CASING - 400 SX CLASS C w/ 4% GEL & 2% CaCl₂ (13.5ppg, 1.74cf/s, 9.1gw/s). F/B 200 SX CLASS C w/ 2% CaCl₂ (14.8ppg, 1.32cf/s, 6.3gw/s).

PRODUCTION CASING - 475 SACKS 35/65 POZ CLASS H w/ 6% GEL, 6% SALT, 1/4# FLOCELE (12.8ppg, 1.94cf/s, 10.4gw/s). F/B 350 SACKS CLASS H (15.6ppg, 1.18cf/s, 5.2gw/s).

THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION.

** FIELDS: JALMAT/TANSIL, YATES, 7RVRS FORMATIONS; LANGLEIE MATTIX/7RVRS, QUEEN FORMATIONS.
REQUEST TO DOWN-HOLE COMMINGLE IS BEING FILED.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE C. P. Basham/cwb TITLE DRILLING OPERATIONS MANAGER DATE 08-31-93

TYPE OR PRINT NAME C. P. BASHAM

TELEPHONE NO. (915) 688-4521

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

SEP 02 1993

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Should Drilling Underway.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT RECEIVING
OFFICE FOR NUMBER
OF COPIES REQUIRED
(Other instructions on
reverse side)

BLM Roswell District
Modified Form No.
NM060-3160-2

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

12. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

13. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☒

2. NAME OF OPERATOR

TEXACO EXPLORATION AND PRODUCTION INC.

3a. AREA CODE & PHONE NO.

(915) 688-4620

3. ADDRESS OF OPERATOR

P. O. Box 3109, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1055' FSL & 1385' FWL, UNIT LETTER: N

At proposed prod. zone

SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

8 MILES NW OF JAL, NEW MEXICO

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest orig. unit line, if any)

1255'

16. NO. OF ACRES IN LEASE

2581

17. NO. OF ACRES ASSIGNED

TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

644'

19. PROPOSED DEPTH

3750'

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether OF, RT, GR, ETC.)

GR-3279'

22. APPROX. DATE WORK WILL START*

OCTOBER 1, 1993

23. PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	WC-50	ST&C	1140'	600 SACKS
7 7/8	5 1/2	15.5#	WC-50	LT&C	3750'	825 SACKS

CEMENTING PROGRAM:

SURFACE CASING - 400 SACKS CLASS C w/ 4% GEL, 2% Cacl₂ (13.5ppg, 1.74cf/s, 9.1gw/s).

F/B 200 SACKS CLASS C w/ 2% Cacl₂ (14.8ppg, 1.32cf/s, 6.3gw/s).

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24.

SIGNED

C.P. Bohem /cwh

TITLE

DRILLING OPERATIONS MANAGER

DATE

08-30-93

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

TITLE 18 U.S.C. SECTION 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.