



Texaco E & P

205 E. Bender Blvd.
Hobbs NM 88240
505 393 7191

OIL CONSERVATION DIVISION

REG-100

July 23, 1996
1996 JUL 26 PM 8 52

ΔHC-1341

8/15/96

New Mexico Oil Conservation Commission
2040 South Pacheco
Santa Fe, New Mexico 87505

Attention: Mr. David R. Catanach

Re: Exception to NMOCD Rule 303 (A).
Application to Downhole Commingle
TeagueTubb North/Teague Lower Paddock Blinebry North
R.R. Sims "B" #1
Unit Letter O, Sec. 4, 23S, 37E
Lea County, New Mexico

Mr. Catanach,

Texaco Exploration & Production Inc., respectfully requests administrative approval to downhole commingle the TeagueTubb North and the Teague Lower Paddock/Blinebry North Pool within the subject wellbore. Currently the well is a dual completion with both zones not flowing continuously, which requires frequent swabbing. Notification of this application has been sent to the said offset operators and a statement of notification has been included in this application.

The proposed downhole commingling will provide a more economical means of production. It will also allow complete development of the productive capacity of the well on the subject lease by allowing both intervals to be artificially lifted simultaneously. This will extend the productive life of both completions, thereby preventing waste

The subject well meets all of requirements as set forth by Rule 303 (C). The well was completed 7-25-95, so a full year of production data is not available. In addition, it should be noted that all produced fluids have entered a common production facility with no fluid compatibility problems.

It is requested that the allocation of production for each zone be deferred until a stabilized production rate is establish. Production will then be allocated to the TeagueTubb North and the Teague Lower Paddock Blinebry North Pool by subtracting the TeagueTubb North stabilized production rate from the total stabilized production rate after downhole commingling the well. If you have any questions concerning this application, please contact Kirk W. Spilman at (505)397-0425.

Yours very truly,

Kirk W. Spilman
Eunice Area Engineer

attachments

cc: Jerry Sexton/NMOCD/Hobbs

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

811 South First St., Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429Form C-107-A
New 3-12-96

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

TEXACO EXPLORATION & PRODUCTION, INC. 205 E. BENDER HOBBS NM, 88240

Operator

R.R. SIMS 'B'

#1

Address

O-4-23S-37E

LEA

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 022351 Property Code 16867 API NO. 30-025-32902 Federal ☐ State ☐ (and/or) Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zones	Lower Zone
1. Pool Name and Pool Code	TEAGUE LOWER PADDOCK BLINEBRY, NORTH (96314)		TEAGUE TUBB, NORTH (96315)
2. Top and Bottom of Pay Section (Perforations)	5679-5872		6116-6250
3. Type of production (Oil or Gas)	OIL		OIL
4. Method of Production (Flowing or Artificial Lift)	FLOWING		FLOWING
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 24 hr SI 602 psi b. (Original)	a. b.	a. 24 hr SI 440 psi b.
6. Oil Gravity ($^{\circ}$ API) or Gas BTU Content	39.2		39.2
7. Producing or Shut-In?	PRODUCING		PRODUCING
Production Marginal? (yes or no)	YES		YES
* If Shut-In, give date and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: Rates:	Date: Rates:	Date: Rates:
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: 5-96 Rates: 26/176/24	Date: Rates:	Date: 5-96 Rates: 0/0/1
8. Fixed Percentage Allocation Formula - % for each zone	Oil: % Gas: %	Oil: % Gas: %	Oil: % Gas: %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones?

If not, have all working, overriding, and royalty interests been notified by certified mail?

Have all offset operators been given written notice of the proposed downhole commingling?

☒ Yes ☐ No
☐ Yes ☐ No
☒ Yes ☐ No11. Will cross-flow occur? ☒ Yes ☐ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☐ Yes ☐ No (If No, attach explanation)12. Are all produced fluids from all commingled zones compatible with each other? ☒ Yes ☐ No13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☐ Yes ☐ No

15. NMOCD Reference Cases for Rule 303(C) Exceptions: ORDER NO(S). _____

16. ATTACHMENTS:

- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation method or formula.
- * Notification list of all offset operators.
- * Notification list of working, overriding, and royalty interests for uncommon interest cases.
- * Any additional statements, data, or documents required to support commingling.

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

SIGNATURE Kirk W. Spilman TITLE PETROLEUM ENGINEER DATE 7/23/96TYPE OR PRINT NAME KIRK W. SPILMAN TELEPHONE NO. (505) 397-0425

ATTACHMENTS

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-102

Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30 025 32902	² Pool Code 96314	³ Pool Name TEAGUE; LOWER PADDOCK BLINEBRY NORTH
⁴ Property Code 16867	⁵ Property Name R. R. SIMS 'B'	⁶ Well No. 1
⁷ OGRID Number 022351	⁸ Operator Name TEXACO EXPLORATION & PRODUCTION INC.	⁹ Elevation 3314' GL

¹⁰ Surface Location

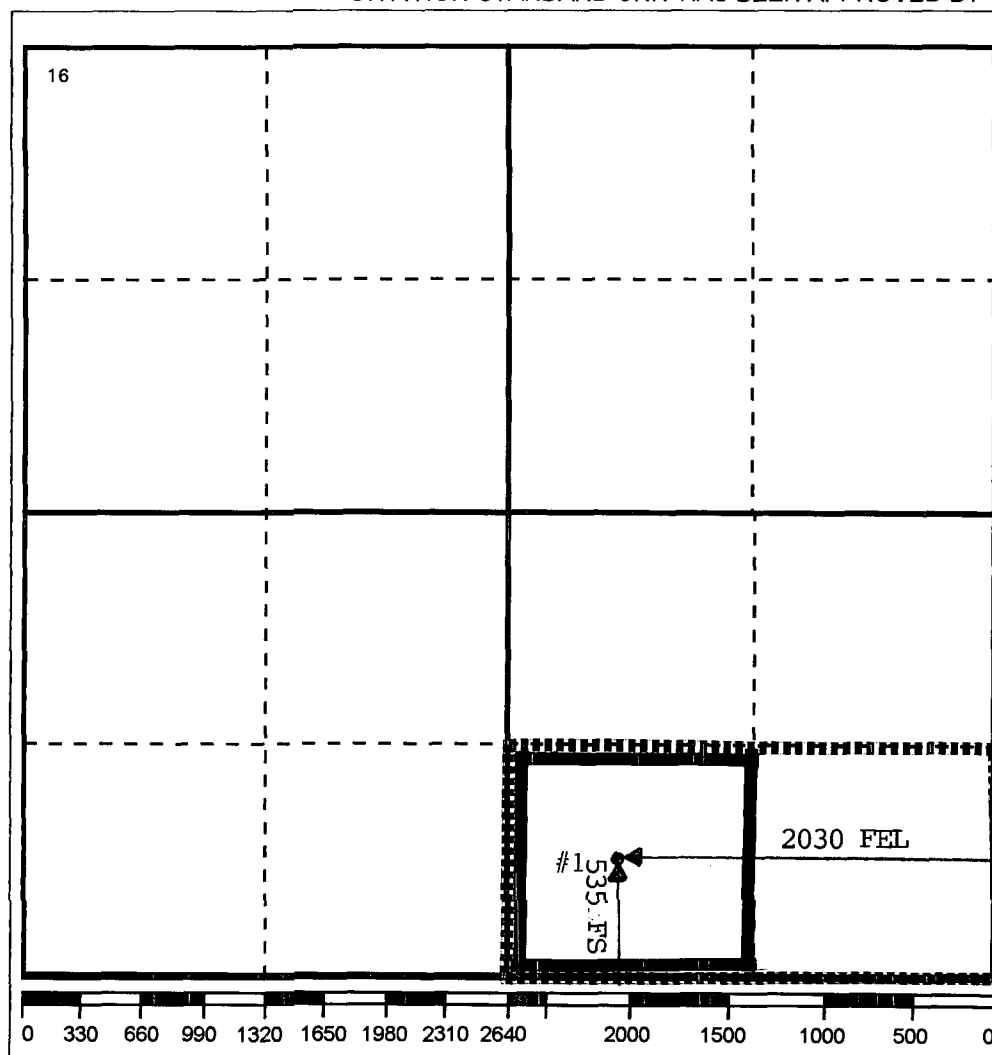
Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
O	4	23-S	37-E		535	SOUTH	2030	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County

¹² Dedicated Acres 40	¹³ Joint or Infill No	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

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

Signature

Printed Name

Paula S. Ives

Position

Engineering Assistant

Date

7/10/96

18 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

Signature & Seal of

Professional Surveyor

Certificate No.

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-102

Revised February 10, 1994

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Submit to Appropriate District Office

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Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-32902	² Pool Code 96315	³ Pool Name TEAGUE; TUBB, NORTH
⁴ Property Code 16867	⁵ Property Name R. R. SIMS 'B'	⁶ Well No. 1
⁷ OGRID Number 022351	⁸ Operator Name TEXACO EXPLORATION & PRODUCTION INC.	⁹ Elevation 3314'

¹⁰ Surface Location

Ul or lot no. O	Section 4	Township 23-S	Range 37-E	Lot.Idn	Feet From The 535	North/South Line SOUTH	Feet From The 2030	East/West Line EAST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

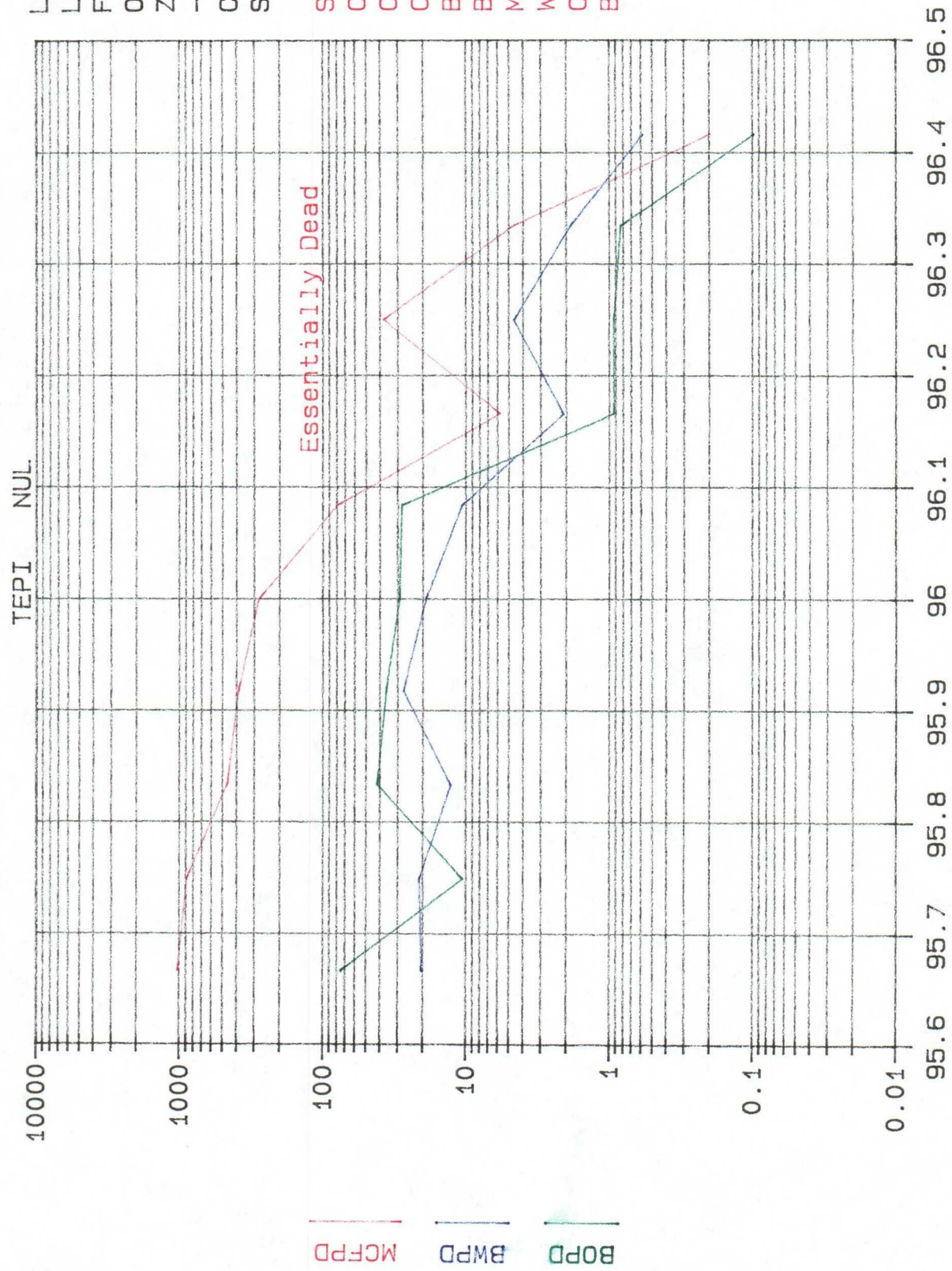
Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
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¹² Dedicated Acres 40	¹³ Joint or Infill No	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div><div>16</div><div>2030 FEL</div><div>#1 535 FS</div></div>	<div><div>17 OPERATOR CERTIFICATION</div><div>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</div><div>Signature </div><div>Printed Name Paula S. Ives</div><div>Position Engineering Assistant</div><div>Date 7/10/96</div></div> <div><div>18 SURVEYOR CERTIFICATION</div><div>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.</div><div>Date Surveyed</div><div>Signature & Seal of Professional Surveyor</div><div>Certificate No.</div></div>
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SIMS, R. R. -B- 1 TEAGUE TUBB, NORTH (ASSOC.)



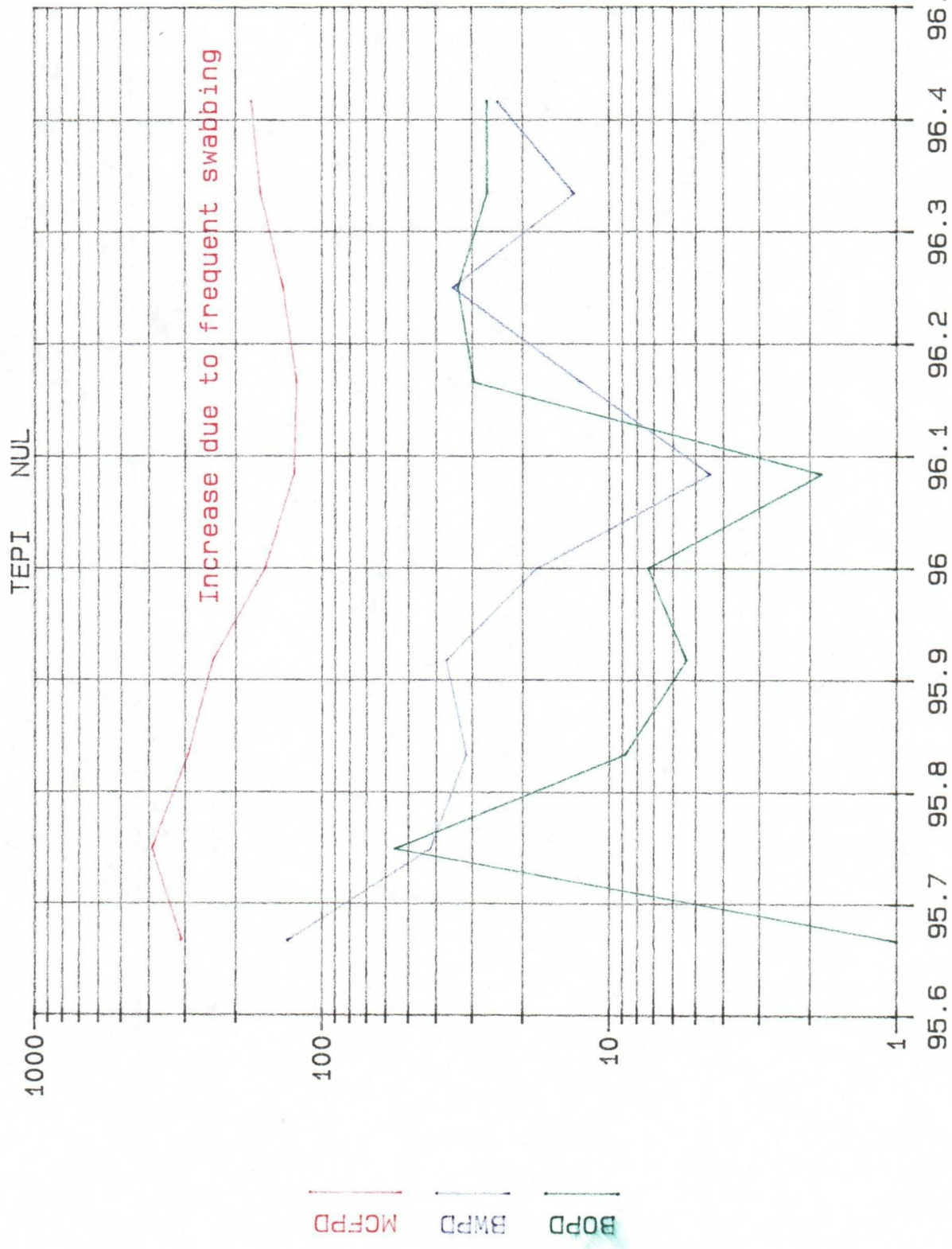
LEASE DATA
 LSE 016867
 FLD 96315
 OPER TEPI
 ZONE NUL

 COUNTY 025
 STATE 30

STATUS 5-96
 CO 14 MBO
 CG 193 MCMF
 CW 7 MBW
 BOPD 0
 BWP 1
 MCFPD 0
 WELLS 1
 CI 0 MBWI
 BWIPD 0

MCFPD
 BWP
 BOPD

SIMS, R. R. -B- 1 TEAGUE LOWER PADDOCK-BLINEBRY, N. (ASSOC)



LEASE DATA
 LSE 016867
 FLD 96314
 OPER TEPI
 ZONE NUL

 COUNTY 025
 STATE 30
 STATUS 5-96
 CO 12 MBO
 CG 129 MMCF
 CW 21 MBW
 BOPD 26
 BOPD 24
 MCFPD 176
 WELLS 1
 CI 0 MBWI
 BWIPD 0

FORMULA FOR DETERMINING ALLOCATION OF PRODUCTION

OIL

X = LOWER PADDOCK/BLINEBRY STABILIZED OIL PRODUCTION RATE, BOPD

T = TOTAL COMMINGLED, STABILIZED OIL PRODUCTION RATE, BOPD

TUBB PROD. = D = $(T - X)$, BOPD

GAS

X = LOWER PADDOCK/BLINEBRY STABILIZED GAS PRODUCTION RATE, MCFPD

T = TOTAL COMMINGLED, STABILIZED GAS PRODUCTION RATE, MCFPD

TUBB PROD. = D = $(T - X)$, MCFPD

****ALLOCATION OF PRODUCTION WILL THEN BE BASED ON PERCENTAGE OF TOTAL PRODUCTION**

LIST OF 40-ACRE OFFSET OPERATORS TO R.R. SIMS A #8

OPERATORS OTHER THAN TEXACO E & P:

Samedan Oil Corp.
12600 Northborough
Suite 250
Houston, TX 77067



Texaco E & P

205 E. Sender Blvd.
Hobbs NM 88240
505 393 7191

CERTIFIED MAIL

July 23, 1996

To: Samedan Oil Corp.
12600 Northborough
Suite 250
Houston, TX 77067

Subject: Exception to NMOCD Rule 303 (A).
Application to Downhole Commingle
TeagueTubb North/Teague Lower Paddock Blinbry North
R.R. Sims "B" #1
Unit Letter O, Sec. 4, 23S, 37E
Lea County, New Mexico

Dear Gentlemen:

Enclosed is a copy of Texaco's application for N.M. O.C.D. administrative approval to downhole commingle the above mentioned pools.

The N.M. O.C.D. regulations require that offset operators be notified before such action can be approved. Questions concerning this matter should be directed to myself at (505) 397-0425.

Sincerely,

Kirk W. Spilman
Pertroleum Engineer
Hobbs Operating Unit

Enclosure