



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

GOVERNOR

5/3/99

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

DHC-2342

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC
DHC X
NSL
NSP
SWD
WFX
PMX

Gentlemen:

I have examined the application for the:

Texaco E&P Inc B F Harrison B # 17-D, 9-23s-37e
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

Chris Williams

Chris Williams
Supervisor, District 1

/ed



April 23, 1999

GOV-STATE AND LOCAL GOVERNMENTS

EXCEPTION TO NMOCD RULE 303(A)

Application to DHC

Teague Tubb North Assoc. and Teague Drinkard-Abo North Assoc.

B.F. Harrison "B" #17

Unit Letter D, Sec. 9, T23S, R37E, 990' FNL, and 910' FWL

API #: 30-025-32497

Lea County, NM

State of New Mexico
Energy and Minerals Department
Oil Conservation Commission
2040 South Pacheco
Santa Fe, NM 87505

Attention: Mr. Ben Stone

Texaco Exploration and Production Inc., respectfully requests approval to downhole commingle the North Teague Tubb (Assoc.) and the North Teague Drinkard-Abo North (Assoc.) pool within the subject wellbore. A copy of this application has notified offset operators. The royalty is common in all zones.

The proposed downhole commingling will provide a more economical means of production. It will allow complete development of the productive capacity 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 the requirements as set forth by rule 303(C). 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 based on well tests obtained from the Teague Tubb Pool and Drinkard/Abo Pool before DHC.

If you have any questions concerning this application, please contact Denise Leake at (505)397-0405, or Denise Wann at (505)397-0425.

Yours Truly,

Denise Wann

Denise Wann
Production Engineer
Eunice FMT

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

811 South First St., Artesia, NM 88210

DISTRICT III

1000 N. 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

Operator Texaco Exploration & Producing Inc. Address 205 East Bender Hobbs, New Mexico 88240Lease B.F. Harrison "B" Well No. 17 Unit Ltr. - Sec - Tws - Rge D Sec 9, T23S, R37E County LeaOGRID NO. 022351 Property Code 10960 API NO. 3002532497 Federal , State , (and/or) Fee XX Spacing Unit Lease Types: (check 1 or more)

The following facts are submitted in support of downhole commingling:	Lower Zone	Intermediate Zone	Upper Zone
1. Pool Name and Pool Code	North Teague Drinkard-ABO (Assoc.)		North Teague Tubb (Assoc.)
2. Top And Bottom of Pay Section (Perforations)	6336'-7036'		6074'-6198'
3. Type of production (Oil or Gas)	Oil		Oil
4. Method of Production (Flowing or Artificial Lift)	Flowing (Current)		Flowing w/PL
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current	415#	a.	410#
Gas & Oil - Flowing: Measured Current	b.	b.	b.
All Gas Zones: Estimated Or Measured Original			
6. Oil Gravity (* API) or Gas BTU Content			
7. Producing or Shut-In? Production Marginal? (yes or no)	Producing		Producing
* 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:		
* If Producing, give date and oil/gas/ water rates of recent test (within 60 days)	Date: 3/18/99 Rates: 11 Oil, 0 Wtr, 571 Gas		3/13/99 3 Oil, 0 Wtr, 184 Gas
8. Fixed Percentage Allocation Formula -% for each zone	Oil: % 79 Gas: % 76	Oil: % Gas: %	Oil: % 21 Gas: % 24

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? Yes ☒ No ☐
If not, have all working, overriding, and royalty interests been notified by certified mail? ☐ Yes ☐ No
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No
11. 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 other? ☒ Yes ☐ No
13. 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 Land 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 deication.
 - * Production curve for each zone for at lease one year. (If not available, attach explanation.)
 - * For zones with no production history, estimated production rates and supporting data.
 - * 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 Denise Wann TITLE Pet. Engr. DATE 4/26/99TYPE OR PRINT NAME Denise Wann TELEPHONE NO. (505) 397-0425

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 32497	² Pool Code 96313	³ Pool Name N. Teague Drinkard - Abo
⁴ Property Code 10960	⁵ Property Name HARRISON, B. F. 'B'	⁶ Well No. 17
⁷ OGRID Number 022351	⁸ Operator Name TEXACO EXPLORATION & PRODUCTION INC.	⁹ Elevation 3318'

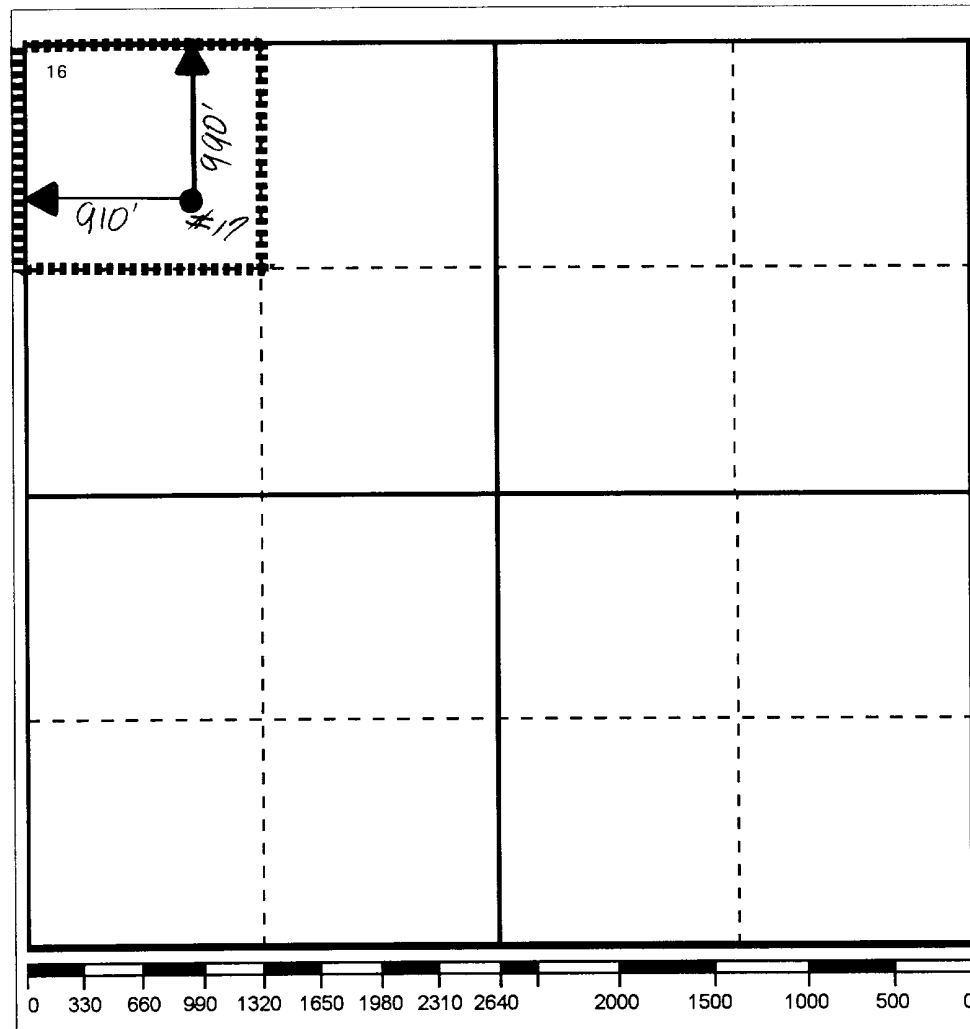
¹⁰ Surface Location

UI or lot no. D	Section 9	Township 23-S	Range 37-E	Lot.Idn	Feet From The 990	North/South Line NORTH	Feet From The 910	East/West Line WEST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UI 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.						

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 <i>J. Denise Leake</i> Printed Name J. Denise Leake Position Engineering Assistant Date 4/23/99
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

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 32497	² Pool Code 96315	³ Pool Name Teague; Tubb, North (Assoc.)
⁴ Property Code 10960	⁵ Property Name HARRISON, B. F. 'B'	⁶ Well No. 17
⁷ OGRID Number 022351	⁸ Operator Name TEXACO EXPLORATION & PRODUCTION INC.	⁹ Elevation 3318'

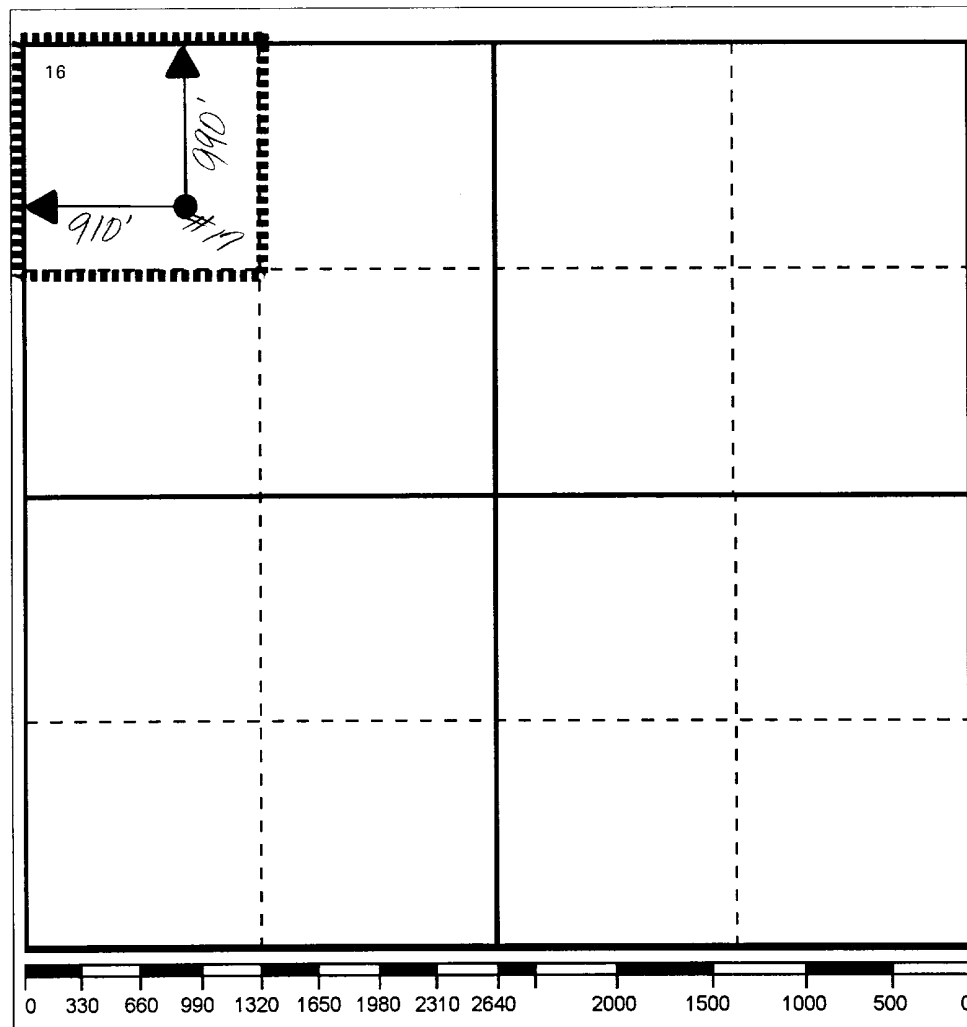
¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
D	9	23-S	37-E		990	NORTH	910	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UI 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

J. Denise Leake

Printed Name

J. Denise Leake

Position

Engineering Assistant

Date

4/23/99

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.

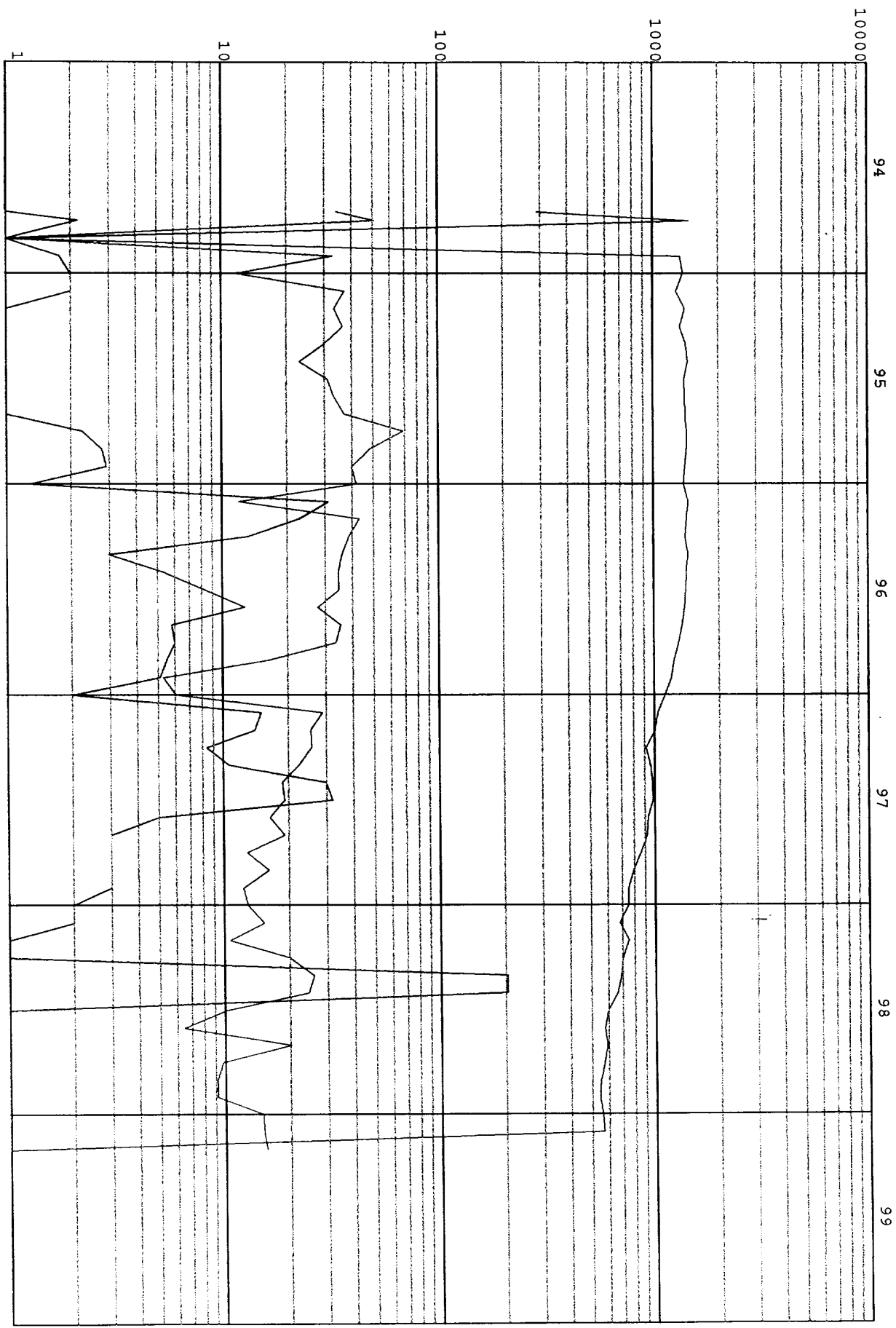
Date Surveyed

Signature & Seal of
Professional Surveyor

Certificate No.

LEASE NAME: HARRISON, B. F. -B-
TEX WELL NO: 17
CURR_LSE_NO: 010960

RSVR:  Drinkard/Abbo
REG_FLD: 96313

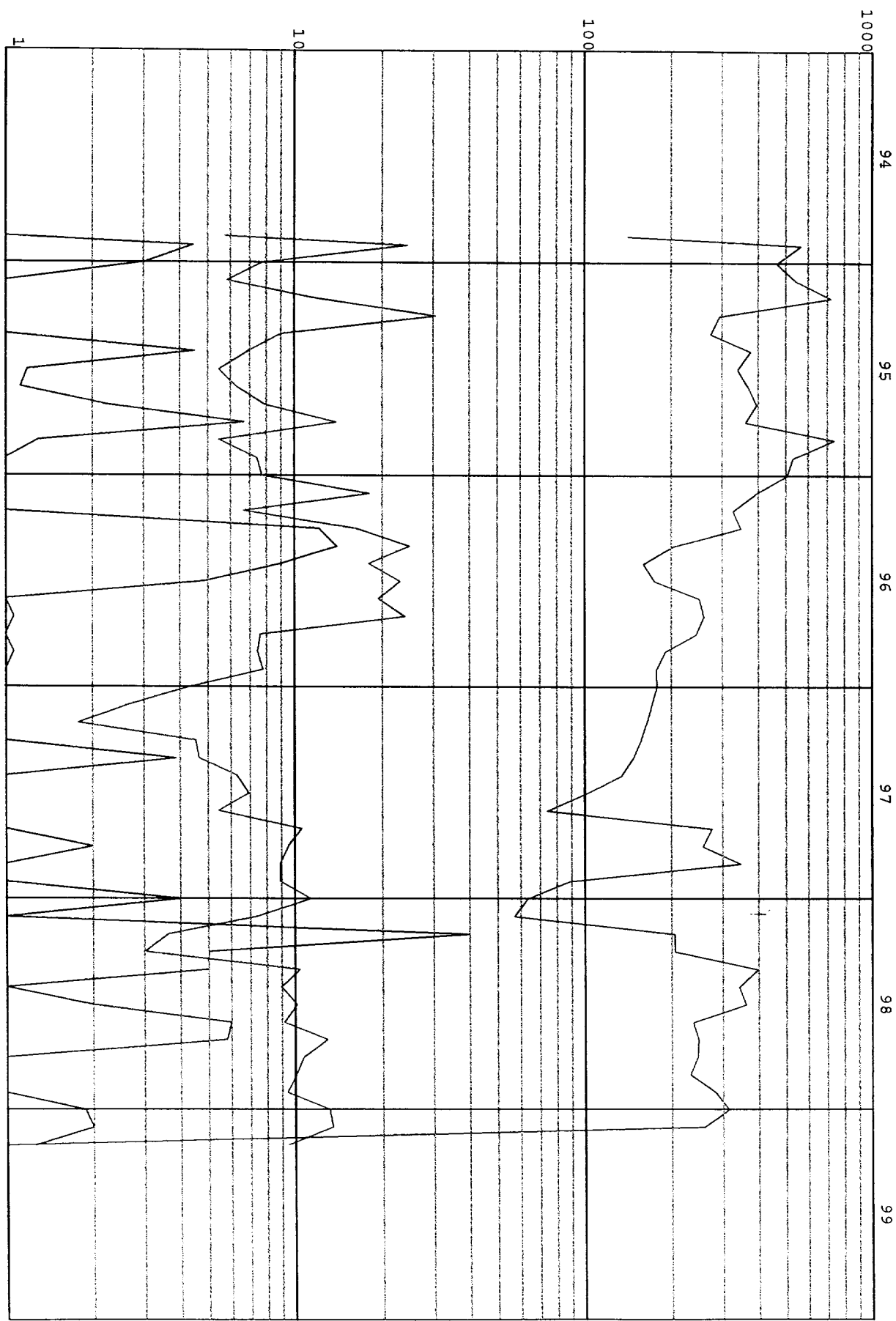


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---- BOPD ---- MCFPD ---- BWPD ---- BWIPD ---- AVG INJ PRES / 1
CURRENT CUMS: OIL: 40,922 bbl GAS: 1,711,872 mcf WTR: 20,670 bbl WINJ: 0 bbl

LEASE NAME: HARRISON, B. F. -B-
TEX_WELL_NO: 17
CURR_LSE_NO: 010960

RSVR: **Tubb**
REG_FLD: 96315



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---- BOPD ---- MCPPD ---- BPPD ---- BWPPD ---- AVG INJ PRES / 1
CURRENT CUMS: OIL: 16,595 bbl GAS: 453,126 mcf WTR: 4,750 bbl WINJ: 0 bbl

Offset Operators and all Lessees of Record

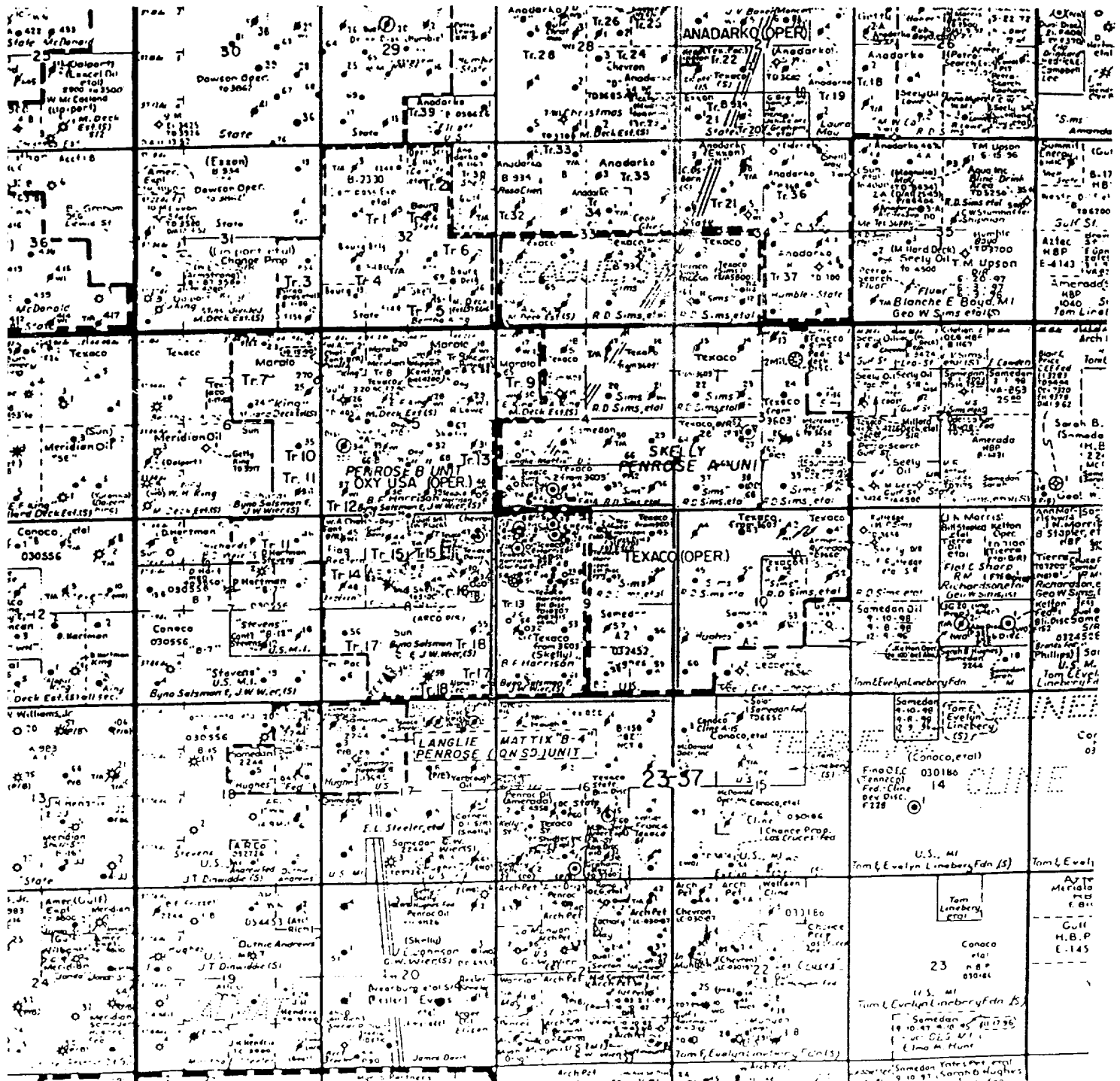
B. F. Harrison B #19

SE/4 NW/4 of Section 9, T-23-S, R-37-E

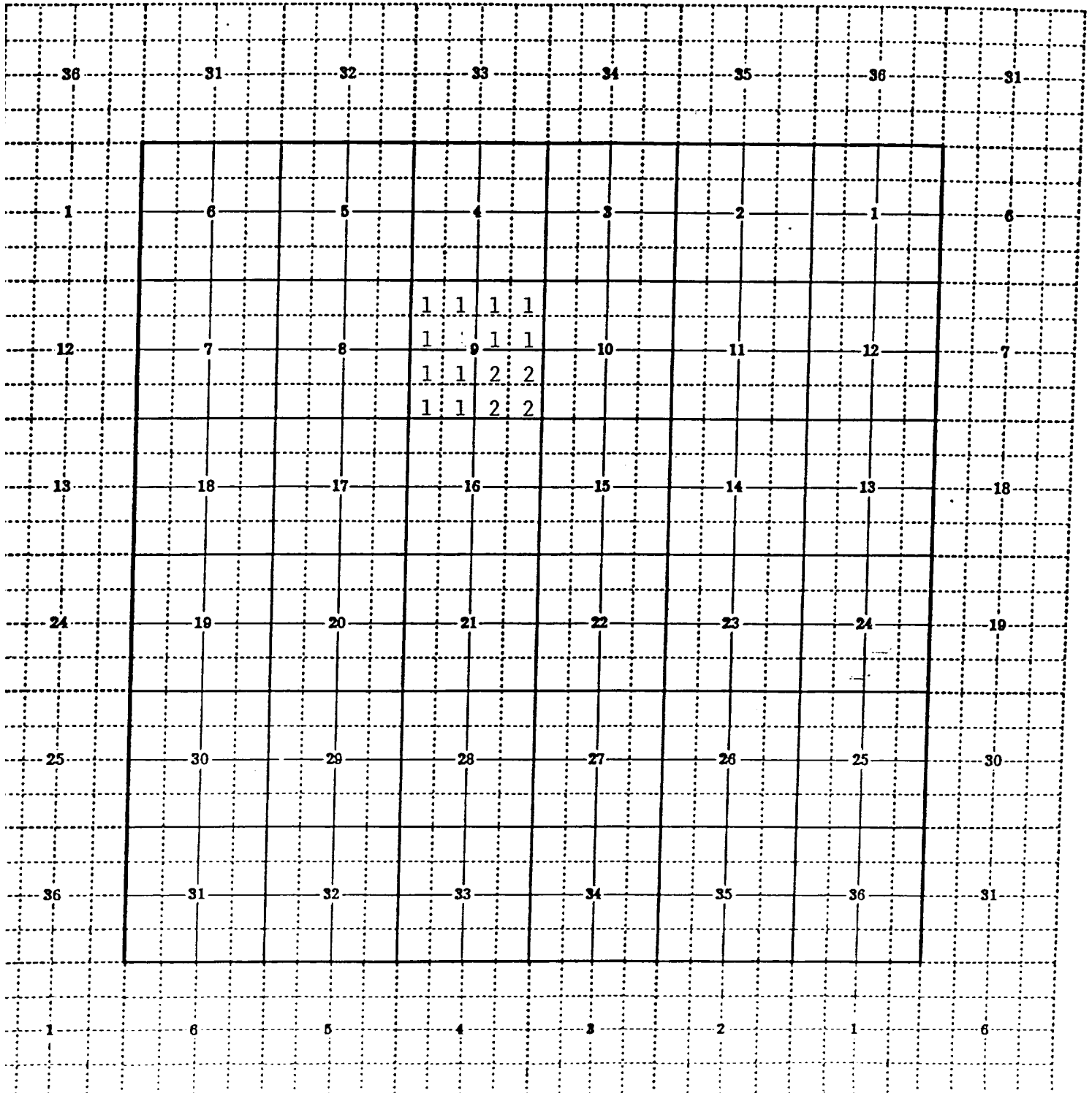
Teague Tubb NORTH Assoc. &
Teague Drinkard-Abo North Assoc.

Lea County, New Mexico

April 24, 1999



Offset Operators and all Lessees of Record
B. F. Harrison B #17
SE/4 NW/4 of Section 9, T-23-S, R-37-E
Teague Tubb NORTH ASSOC. +
Teague Drinkard-Abo North Assoc.
Lea County, New Mexico
April 26, 1999



Offset Operators and all Lessees of Record

B. F. Harrison B # 17

SE/4 NW/4 of Section 9, T-23-S, R-37-E

Teague Tubb NORTH ASSOC. ✓

Teague Drinkard-Abo North Assoc.

Lea County, New Mexico

April 26, 1999

Number 1

Texaco Exploration and Production Inc.

P. O. Box 3109

Midland, Texas 79702

Number 2

Samedan Oil Corporation

12600 Northborough, Suite 250

Houston, Texas 77067



Texaco E & P

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

April 23, 1999

Texaco Exploration and Production Inc.
205 East Bender
Hobbs, New Mexico 88240

Samedan Oil Corporation
12600 Northborough, Suite 250
Houston, Texas 77067

Gentlemen:

Please find attached an application which has been filed with the New Mexico Oil Conservation Division in Santa Fe, New Mexico for administrative approval for downhole commingling of the B. F. Harrison "B" #17.

Sincerely,

J. Denise Leake
Engineering Assistant
Texaco E&P
Hobbs Operating Unit