

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 87505-6429

MAY 6 1998

Form C-107-A
New 3-12-96

APPROVAL PROCESS:

OIL CONSERVATION DIVISION Administrative ☐ Hearing ☐

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Cross Timbers Operating Company

Operator	Address	Lea
Lady	1 L - 4 -20S-38E	
Well No.	Unit Ltr. - Sec - Twp - Rge	County

OGRID NO. 005380 Property Code 018315 API NO. 30-025-27875 Spacing Unit Lease Types: (check 1 or more)
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	West Nadine Paddock Blinebry (47400)		West Nadine Tubb (47530)
2. Top and Bottom of Pay Section (Perforations)	5,987'-6,091'		6,623'-6,646'
3. Type of production (Oil or Gas)	Oil		Oil
4. Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 1,500 psig b. (Original)	a. b.	a. 2,000 psig b.
6. Oil Gravity (°API) or Gas BTU Content	37.0		36.0
7. Producing or Shut-In?	Shut-In		Producing
Production Marginal? (yes or no)	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: 3/29/97 Rates: 3/8/1	Date: Rates:	Date: Rates:
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates:	Date: Rates:	Date: 3/98 Rates: 4/6/4
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 43 % Gas: 53 %	Oil: % Gas: %	Oil: 57 % Gas: 47 %

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 each 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 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 F. Terry Perkins, Jr. TITLE Mgr. Reservoir Dev. DATE 5.1.98

TYPE OR PRINT NAME F. Terry Perkins, Jr. TELEPHONE NO. (817) 877-2360

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1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised October 18, 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 30-025-27875	² Pool Code 47400	³ Pool Name West Nadine Paddock-Blinebry
⁴ Property Code 018315	⁵ Property Name Lady	⁶ Well Number 1
⁷ OGRID No. 005380	⁸ Operator Name Cross Timbers Operating Company	⁹ Elevation 3,583'

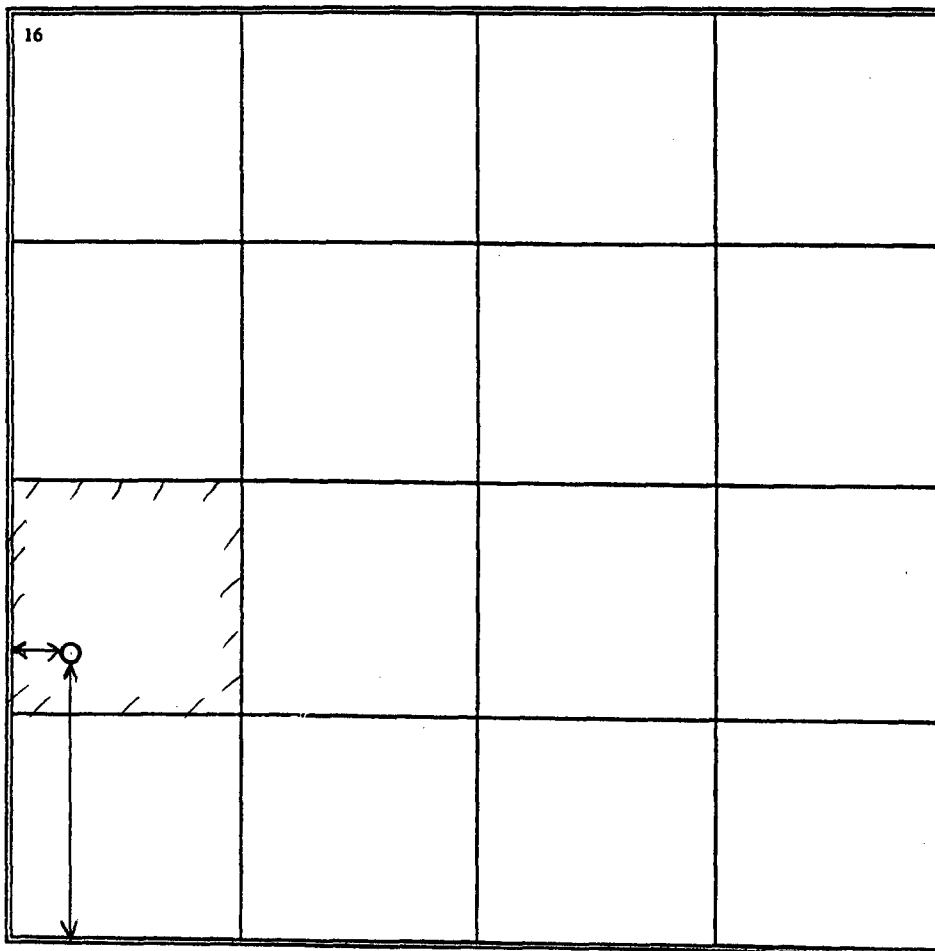
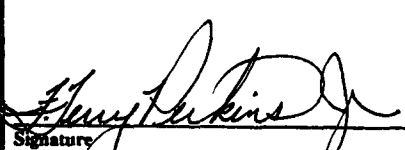
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	4	20S	38E		1,650	South	330	West	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 N	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

<div>16</div> 	<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <div> Signature F. Terry Perkins, Jr. Printed Name Manager Reservoir Development Title 5.1.98 Date</div>	
	<div>18 SURVEYOR CERTIFICATION</div> <p>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 belief.</p> <div>Date of Survey Signature and Seal of Professional Surveyer:</div>	
	Certificate Number	

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-27875		Pool Code 47530	Pool Name West Nadine Tubb
Property Code 018315	Property Name Lady		Well Number 1
OGRID No. 005380	Operator Name Cross Timbers Operating Company		Elevation 3,583'

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
L	4	20S	38E		1,650	South	330	West	Lea

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	<div>18 SURVEYOR CERTIFICATION</div> <p>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 belief.</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p>			
	<p>Certificate Number</p>			

Cross Timbers Oil Company

LADY 1

CROSS TIMBERS
NADINE W (BLINEBRY)
LEA, NEW MEXICO
04L20S 38E
FTP

(INA)

PERMIAN BASIN
25180

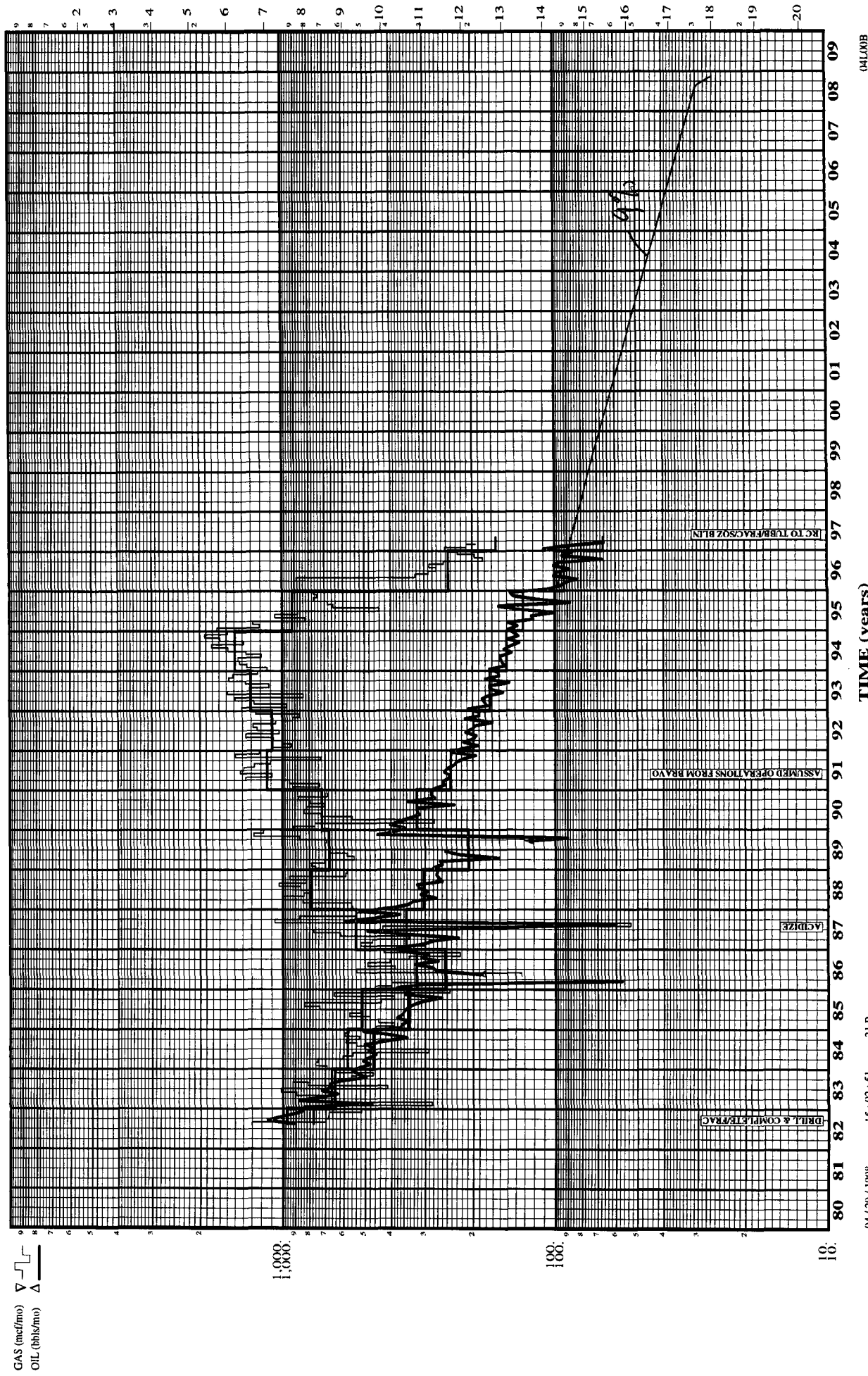
CO
04L00B

RFM JEB CP-AW

M & L - 1/98 FORECAST

Run Date : 03/19/98
Run Time : 09:24:23

GAS (mcf/mo)
OIL (bbls/mo)



Cross Timbers Oil Company

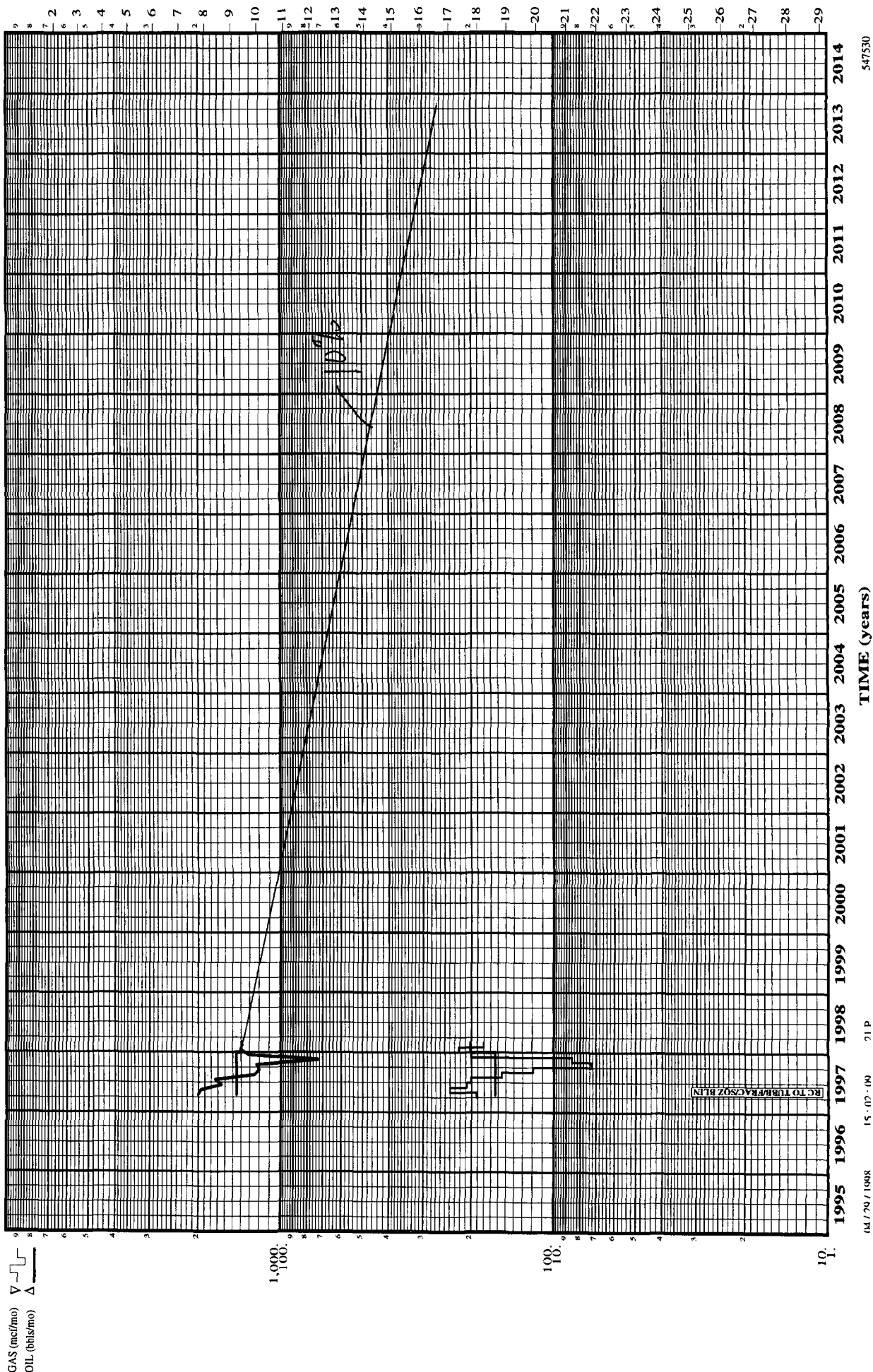
LADY		1
CROSS TIMBERS		
NADINE W (TUBB)		
LEA, NEW MEXICO		
04L 20S 38E		
FTP		
CO	547530	
PERMIAN BASIN		25180

M & L - 1/98 FORECAST

RPM JEB CP-AW

Run Date: 03/19/98
Run Time: 09:40:56

GAS (mcf/mo) ∇
OIL (bbls/mo) Δ



CROSS TIMBERS OPERATING COMPANY
ATTACHMENT TO FORM C-107-A
APPLICATION FOR DOWNHOLE COMMINGLING
LADY # 1

16. (I) THE TUBB FORMATION WAS COMPLETED IN APRIL 1997;
THEREFORE, THERE IS NOT ONE YEAR OF PRODUCTION HISTORY.
- (II) PROJECTED PRODUCTION FLOWSTREAMS FOR THE TUBB FORMATION
ARE BASED ON OFFSET PRODUCING TUBB WELLS IN THE MONUMENT
TUBB FIELD AND THE NADINE, WEST TUBB FIELD.

OFFSET OPERATORS
LADY #1
NW/4 SW/4 SECTION 4-T20S-R38E
LEA COUNTY, NEW MEXICO

TAMARACK PETROLEUM COMPANY, INC.
500 WEST TEXAS, SUITE 1485
MIDLAND, TEXAS 79701



Cross Timbers Oil Company

April 30, 1998

CERTIFIED MAIL #Z 353 836 243

Tamarack Petroleum Company, Inc.
500 West Texas, Suite 1485
Midland, Texas 79701

RE: DHC of Lady #1, Unit Letter L, Section 4, T20S, 38E

Dear Sir:

Please be informed that Cross Timbers Oil Company intends to downhole commingle the Lady #1 in the West Nadine Tubb (47530) and West Nadine Paddock-Blinbry (47400) Pools. If you have any questions or objections, please contact Terry Perkins (817) 877-2360 or Ray Martin (915) 682-8873.

Sincerely,

CROSS TIMBERS OIL COMPANY

F. Terry Perkins, Jr.
Manager Reservoir Development

FTP:kw

Attachments

Z 353 836 243

US Postal Service

Receipt for Certified Mail

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

Sent to
Tamarack Petroleum Co., Inc.
Street & Number
500 W. Texas St., Ste#1485
Post Office, State, & ZIP Code
Midland, Texas 79701

Postage	\$ 0.32
Certified Fee	1.10
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.10
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$ 2.52

PS Form 3800, April 1995

Postmark or Date

4/30/98

Fold at line over top of envelope to
the right of the return address

CERTIFIED

Z 353 836 243

MAIL



Cross Timbers Oil Company

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PS Form 3800, April 1995

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Z 353 836 243

MAIL



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

5/13/98

GOVERNOR

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

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:

Cross Timbers Operating Co Lady [#]1-L-4-2D-38e
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

Need map showing offsets & letters to offsets

Yours very truly,

Chris Williams

Chris Williams
Supervisor, District 1

/ed