

DISTRICT I
P.O. Box 1880, Hobbs, NM 88240

DISTRICT II
811 South First St., Amarillo, NM 89210

DISTRICT III
1000 N. Broadway 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

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

APPROVAL PROCESS:

Administrative ☐ Hearing ☐

EXISTING WELLBORE

YES ☐ NO ☒

APPLICATION FOR DOWNHOLE COMMINGLING

Cross Timbers Operating Company, 3000 N. Garfield, Suite 175, Midland, Texas 79705

Operator: Dewey #2 G-5-206-38E Lea
Well No. Unit Ltr. - Sec. - Twp. - Rge. County
OGRID NO. 005380 Property Code 018306 API NO. 30-025-27668 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	Nadine Paddock Blin-bry, West (47400)		Nadine Drinkard, West (47505)
2. Top and Bottom of Pay Section (Perforations)	5,974'-6,075'		6,907'-7,123'
3. Type of production (Oil or Gas)	Oil		Oil
4. Method of Production (Flowing or Artificial Lift)	Artificial Lift		
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 1100 psig b. (Original)	a. b.	a. 1800 psig b.
6. Oil Gravity ($^{\circ}$ API) or Gas BTU Content	36.5 $^{\circ}$		34.5 $^{\circ}$
7. Producing or Shut-In?	Producing		New Zone
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 80 days)	Date: 7-26-97 Rates: 8/9/23	Date: Rates:	Date: Rates:
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 50% Gas: 36%	Oil: % Gas: %	Oil: 50% Gas: 64%

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 ☐ 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. NMOC 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.
 - 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 Sr. Reservoir Eng. DATE 9-5-97
TYPE OR PRINT NAME F. TERRY PERKINS, JR. TELEPHONE NO. (817) 877-2360

District I
PO Box 1990, Hobbs, NM 88241-1990

District II
611 South First, Artesia, NM 88210

District III
1000 Rio Grande 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

API Number 30-025-27668		Pool Code 47505	Pool Name Nadine Drinkard, West
Property Code 018306	Property Name Dewey		Well Number 2
OGRID No. 005380	Operator Name Cross Timbers Operating Company		Elevation 3582

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
G	5	20S	38E		2310	North	2310	East	Lea

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
Dedicated Acres 40.00		Joint or Infill N		Consolidation Code		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

<p>16</p>	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>[Signature]</i> Signature F. TERRY PERKINS, JR. Printed Name SR. RESERVOIR ENG. Title 9-5-97 Date</p>	
	<p>18 SURVEYOR CERTIFICATION</p> <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 _____ Signature and Seal of Professional Surveyor:</p> <p>_____ Certificate Number</p>	

**Cross Timbers Operating Company
Attachment to Form C-107-A
Application for Downhole Commingling
Dewey #2**

16. (I) No production history exists for the Nadine Drinkard, West Pool. Therefore, there is not a one year production curve available.
- (II) The estimated production rates from this zone are based on the Cross Timbers Operating Company Monstro #1 production. The production curves for Monstro #1 are attached. This well produces from the Nadine Drinkard, West Pool and is located approximately one mile southwest of the Dewey #2. Initial oil rate is estimated at 8 BOPD with a 7% decline. Initial gas rate is estimated at 40 MCFD with a 7% decline.
- (III) The percentage production allocation listed on No. 8 of the Form C-107-A, is based on the current production from the Nadine Paddock Blinebry, West Pool and the estimated production rates for the Nadine Drinkard, West Pool.

Cross Timbers Oil Company



DEWEY 2
CROSS TIMBERS
NADINE W (BLINDBRY W)
LEA, NEW MEXICO
05G 20S 38E
FTP
CO
XSG00B

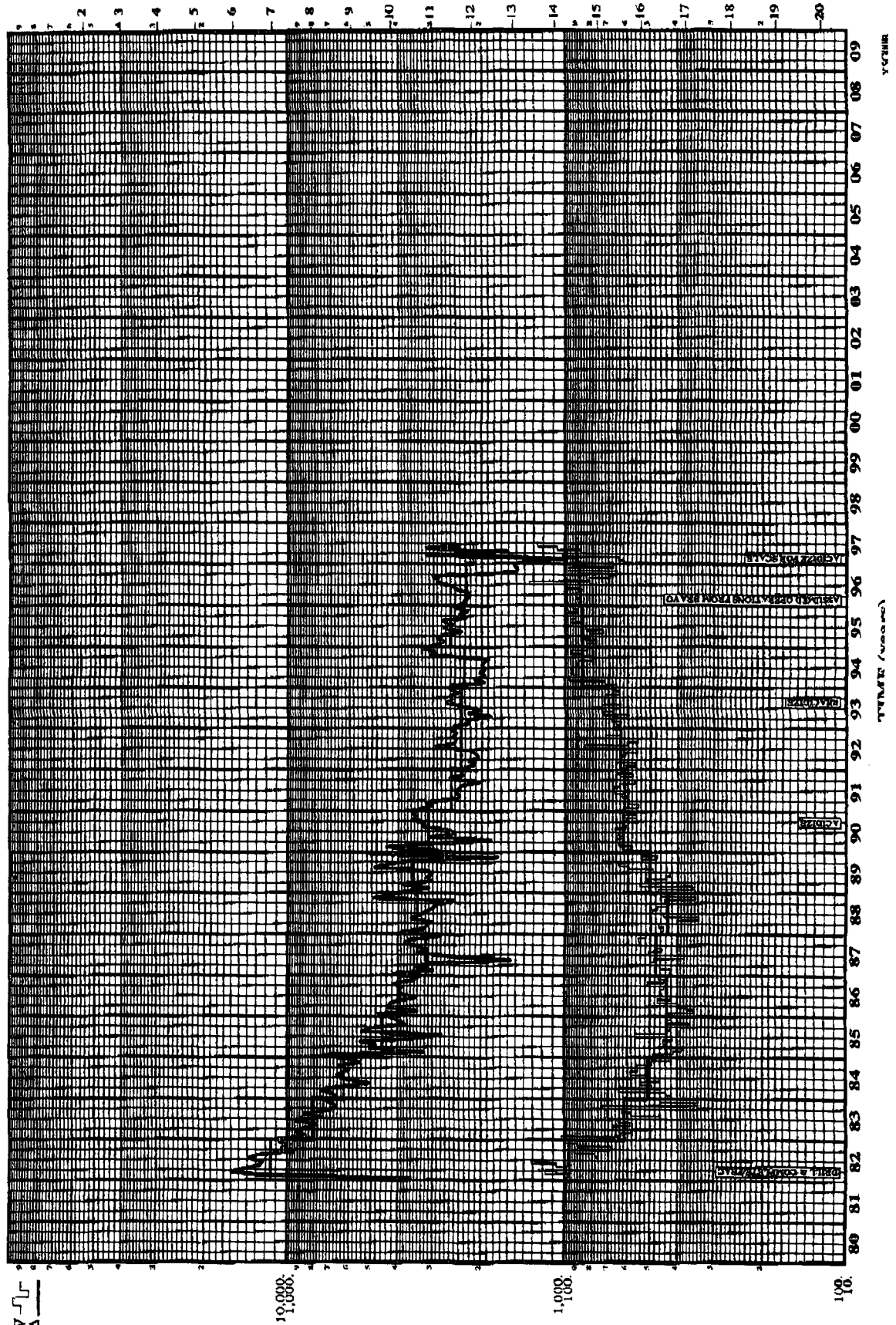
PERMIAN BASIN
25040

RFM JEB CP-AW

M & L - FORECAST

Run Date:
Run Time:

GAS (scf/dm) V 
OIL (bbl/dm) Δ 



PERMIAN BASIN

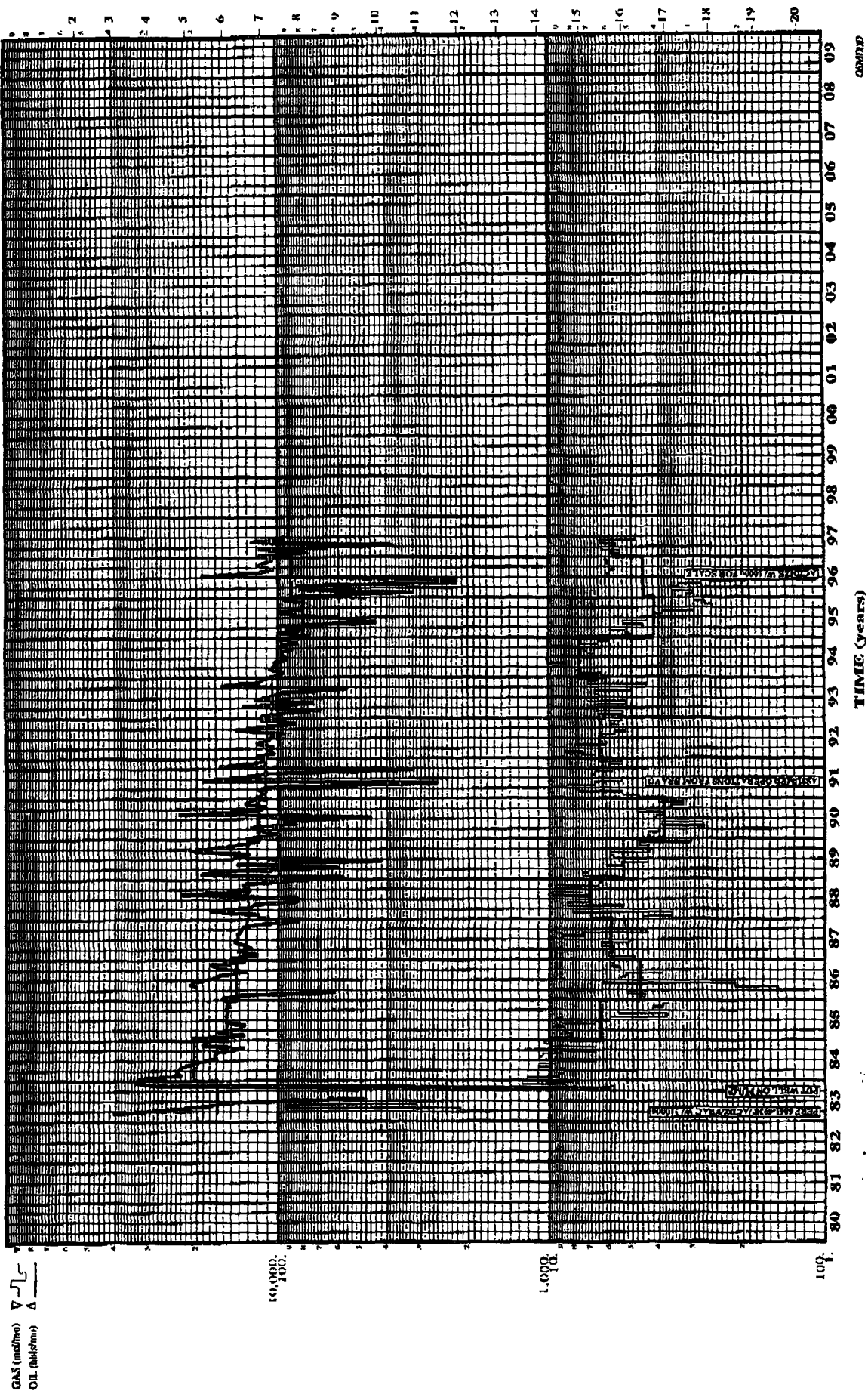
25040

Cross Timbers Oil Company

MONSTRO 1
CROSS TIMBERS
NADINE W (DRINKARD W)
LEA, NEW MEXICO
06M 20S 38E
FTP
CO
06M00D

PERMIAN BASIN
25220

RFM JEB CP-AW



10/02/97

15:33

915 687 0862

CROSS TIMBERS

008

OFFSET OPERATORS
DEWEY #2
G-5-T20S-R38E
Lea County, New Mexico

Cross Timbers Operating Company is the only offset operator to the Dewey #2 spacing unit.

20



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

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 _____
NSL _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

<u>CROSSTIMBERS</u>	<u>DEWEY#2</u>	<u>G</u>	<u>5-20-38</u>
Operator	Lease & Well No.	Unit	S-T-R

and my recommendations are as follows:

Recommended approval

Yours very truly,

Chris Williams

Chris Williams
Supervisor, District 1

/ed