



Cross Timbers Operating Company

DHC 9.18.95
1148

OIL CONSERVATION DIVISION
RECEIVED

1995 AUG 24 AM 8 52

August 25, 1995

William J. Le May
Chairman and State Petroleum Engineer
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Dear Mr. Le May:

Cross Timbers Operating Company respectfully requests administrative approval under the provision of Rule 303-A to downhole commingle production from the Drinkard and Blinebry Oil and Gas Pools within R. L. Brunson Well Number 8. The well is currently pump testing the Blinebry Pool. Downhole commingling the two pools will result in fewer mechanical problems, which translates to lower operating expense. This reduction in operating cost will prolong the life of the well, therefore increasing the reserves to be produced.

A listing of data required for a Rule 303-A is attached. This is a private lease with common interest in both pools. Furthermore, the Blinebry and Drinkard have been downhole commingled in Oxy USA's Brunson "B" No 2 (Unit Letter K, Sec 3, T22S, R37E) and J. H. Hendrix's Brunson "C" No 5 (Unit Letter O, Sec 3, T22S, R37E) which offset this lease. If additional information is necessary, please contact the undersigned at 915-682-8873.

Sincerely,

CROSS TIMBERS OPERATING COMPANY

C. M. Bloodworth, P.E.
Operations Engineer

CMB/bu
Enclosures

cc: CMB File
Well File

REQUEST FOR EXCEPTION TO RULE 303-A

**R. L. BRUNSON NO 8
DRINKARD FIELD**

- A) Cross Timbers Operating Co.
P. O. Box 52070
Midland, Texas 79710
- B) R. L. Brunson No 8
Unit I, 1650' FSL & 330' FWL
Section 3, T22S, R37E
Lea County, New Mexico
Commingle Zones: Drinkard
Blinebry
- C) A plat of the area is attached showing the lease and offset operators. Also attached is a C-102 for each formation.
- D) Form C-116 for each of the formations is attached. The allocated production for each pool will be based upon the current and historical production declines and latest GOR tests.
- E) Production curve for the Drinkard and Blinebry are attached.
- F) Estimated bottomhole pressure for each zone:
- | | |
|----------|----------|
| Drinkard | 441 psia |
| Blinebry | 513 psia |
- G) Cross Timbers State 367 & A M York leases which have these zones downhole commingled have encountered no incompatibility problems.
- H) If the downhole commingling is approved, additional reserves will be recovered from the Drinkard while maximizing recoveries from the Blinebry.

REQUEST FOR EXCEPTION TO RULE 303-A

**R. L. BRUNSON NO 8
DRINKARD FIELD
(cont'd)**

I) GOR Test:

<u>Formation</u>	<u>BOPD</u>	<u>BWPD</u>	<u>MCFPD</u>
Drinkard	1	1	17
Blinebry	<u>17*</u>	<u>1</u>	<u>172</u>
Total	18	2	189

* NOTE: Immediately after stimulation

Predicted:

<u>Formation</u>	<u>BOPD</u>	<u>BWPD</u>	<u>MCFPD</u>
Drinkard	2	2	20
Blinebry	<u>3</u>	<u>6</u>	<u>250</u>
Total	5	8	270

Proposed Allocation Percentages:

<u>Formation</u>	<u>BOPD</u>	<u>BWPD</u>	<u>MCFPD</u>
Drinkard	40%	25%	7%
Blinebry	<u>60%</u>	<u>75%</u>	<u>93%</u>
Total	100%	100%	100%

- J) Ownership of the two pools to be commingled are in common and correlative rights will not be violated.
- K) By copy of this letter all offset operators are to be notified.

**R. L. BRUNSON NO 8
DOWNHOLE COMMINGLE APPLICATION**

OFFSET OPERATORS

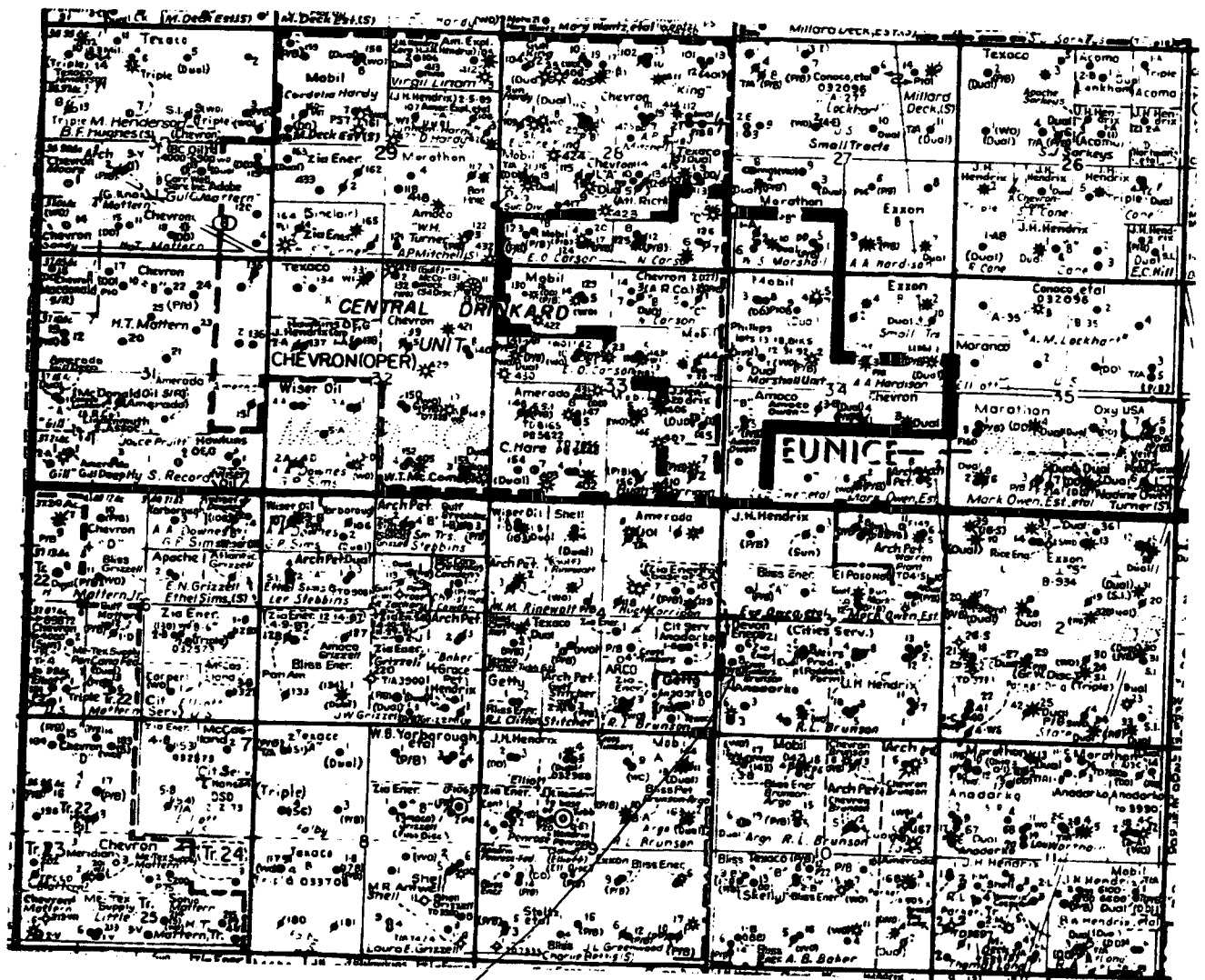
Amerada Hess Drawer D Monument, New Mexico 88265	Certified Mail Number: Z 740 697 775
--	--------------------------------------

Anadarko Petroleum Corporation P. O. Box 806 Eunice, New Mexico 88231	Certified Mail Number: Z 740 697 773
---	--------------------------------------

Devon Energy Corporation P. O. Box 5010 Hobbs, New Mexico 88240	Certified Mail Number: Z 740 697 774
---	--------------------------------------

Oxy USA, Inc. P. O. Box 50250 Midland, Texas 79710	Certified Mail Number: Z 740 697 776
--	--------------------------------------

Texaco Exploration & Production, Inc. P. O. Box 730 Hobbs, New Mexico 88241	Certified Mail Number: Z 740 697 769
---	--------------------------------------



T
22
S

R 37E

R.L. Brunson No. 8.

Portion of Lea County, New Mexico

Scale 1" = 4,000'



District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 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 30-025-1004		2 Pool Code		3 Pool Name Drinkard	
4 Property Code 003343		5 Property Name RL Brunson			6 Well Number 8
7 OGRID No. 05380		8 Operator Name CrossTimbers Operating Co.			9 Elevation 3425

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	3	22S	37E	-	1650	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	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

16				3	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature C.M. Bloodworth, P.E. Printed Name Operations Engr. Title 8/11/95 Date
					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 belief. Date of Survey Signature and Seal of Professional Surveyer: Certificate Number

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 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 30-025-1004		2 Pool Code 0660		3 Pool Name Blinberry	
4 Property Code 003343		5 Property Name R.L. Brunson			6 Well Number 8
7 OGRID No. 05380		8 Operator Name Cross Timbers Operating Co.			9 Elevation 3425

10 Surface Location

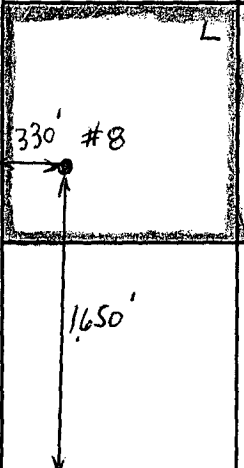
UL or lot no. L	Section 3	Township 22S	Range 37E	Lot Idn -	Feet from the 1650	North/South line South	Feet from the 330	East/West line West	County Lea
--------------------	--------------	-----------------	--------------	--------------	-----------------------	---------------------------	----------------------	------------------------	---------------

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	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

16 	3			17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature C.M. Boodsworth, P.E. Printed Name Operations Engr. Title 8/11/95 Date
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 belief. Date of Survey Signature and Seal of Professional Surveyer: Certificate Number				

Submit 2 copies to appropriate
District Office.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer 110, Alcala, NM 88210
DISTRICT III
1000 Rio Grande Rd., Aztec, NM 87410

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-116
Revised 1/1/89

GAS - OIL RATIO TEST

Operator CROSS TIMBERS OPERATING COMPANY		Pool Drinkard		County Lea												
Address P. O. Box 52070		Location Midland, Texas 79710-2070		Type of Test TEST - (X)												
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	TYPE OF TEST	CLOKE SIZE	TDQ. PRESS.	DAILY ALLOW. ADLE	WEIGHT OF TEST TUBES	PROD. DURING TEST			GAS - OIL RATIO CU FT/DL		
		U	S	T							N	WATER DLS.	GRAV. OIL		OIL DLS.	GAS M.C.F.
R. L. Brunson	4	0	04	22S	37E	4/3/94	P	--	20	M	24	5	39.5	3	157	52333
	8	1	03	22S	37E	4/4/94	F	--	20	M	24	1	39.5	1	17	17000

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

(See Rule 301, Rule 1116 & appropriate pool rules.)

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

Ray E. Martin
Signature

Ray E. Martin
Printed name and title

Operations Engineer
Date 5/9/94 (915) 682-8873
Telephone No.

Submit 2 copies to Appropriate District Office.

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer 1210, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-116
Revised 1/1/89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

Operator CROSS TIMBERS OPERATING COMPANY		Pool Blinberry Oil and Gas		County Lea									
Address P. O. Box 52070 Midland, Texas 79710		TYPE OF TEST (X) <input checked="" type="checkbox"/> TEST (X)		Completion <input checked="" type="checkbox"/> Special <input type="checkbox"/>									
LEASE NAME	WELL NO.	LOCATION U S T N		DATE OF TEST	TYPE OF TEST (X)	Scheduled <input type="checkbox"/>	DAILY ALLOW. ADLE	LENGTH OF TEST (HOURS)	PROD. DURING TEST WATER DDL'S. GRAY. OL. DDL'S. GAS MCF. GAS - OIL RATIO CU/FT/DL.				
R. L. BRUNSON	8	L 3		22S 37E	8/29/94 F	22/64	55	24	1	36.3	17	172	10118

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

See Rule 301, Rule 1116 & appropriate pool rules.)

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

Ray F. Martin
Signature

Ray F. Martin Operations Engineer
Printed name and title

8-31-94 (915) 682-8873
Date Telephone No.

Brunson No. 8

Production History

