SIL GONSERVENUM DIVISION

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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:

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

<sup>\*</sup> NOTE: Immediately after stimulation

### Predicted:

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

### Proposed Allocation Percentages:

<u>Formation</u>	<b>BOPD</b>	<u>BWPD</u>	<u>MCFPD</u>
Drinkard Blinebry	40% <u>60%</u>	25% _75%	7% <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

Certified Mail Number: Z 740 697 775

Drawer D

Monument, New Mexico 88265

Anadarko Petroleum Corporation

P. O. Box 806 Certified Mail Number: Z 740 697 773

Eunice, New Mexico 88231

Devon Energy Corporation Certified Mail Number: Z 740 697 774

P. O. Box 5010

Hobbs, New Mexico 88240

Oxy USA, Inc.
P. O. Box 50250

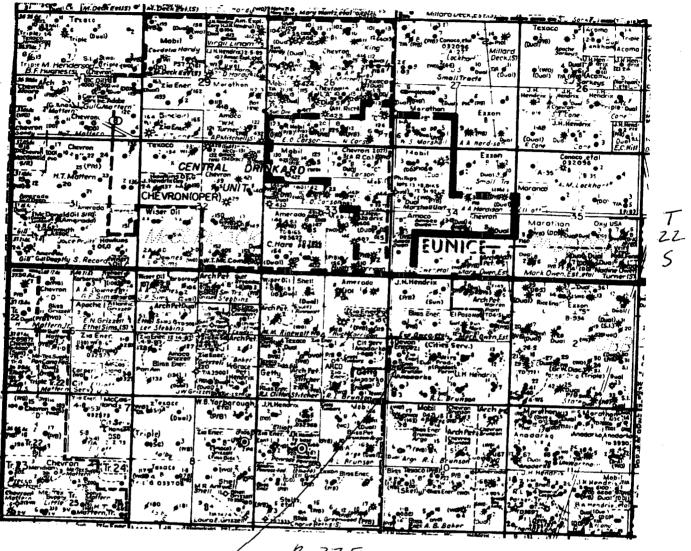
Certified Mail Number: Z 740 697 776

Midland, Texas 79710

Texaco Exploration & Production, Inc. Certified Mail Number: Z 740 697 769

P. O. Box 730

Hobbs, New Mexico 88241



R 37E

R.L. Brunson No8.

Portion of Lea County, New Mexico Scale 1"= 4000'

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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

API Number

### 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

<sup>3</sup> Pool Name

☐ AMENDED REPORT

Fee Lease - 3 Copies

### WELL LOCATION AND ACREAGE DEDICATION PLAT

Drinkard

<sup>1</sup> Pool Code

30-02	5-10	004				Drinkard				
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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

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

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DISTRICELI F.O. Don 1980, Hobbs, PAN 88240 DISTRICELII F.O. Drawer DD, Artesia, PAN 88210 Submit 2 copies to Appropriate District Office. DISTRICTION

1000 Rio Brazos Rd., Attec, IIII 87410

### linergy, Minerals and Natural Resources Department State of New Mexico

Form C-116 Revised 1/1/89

# OIL CONSERVATION DIVISION

11.O. Hox 2088 Santa Fe, New Mexico 87504-2088

### GAS - OIL RATIO TEST

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

Submit 2 copies to Appropriate District Office.

P.O. Dox 1980, Hubbs, 1114 88240
DISTRICT II
P.O. Drawer DD, Artesia, 1114 88210 DISTRICT

1000 Rio Drazos Rd., Azlec, NN 87410

DISTRICTION

State of New Mexico
Energy, Minerals and Natural Resources Department

Revised 1/1/89 Form C-116

# OIL CONSERVATION DIVISION

P.O. Hox 2088 Santa Fe, New Mexico 87504-2088

## GAS - OIL RATIO TEST

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### Brunson No. 8

