

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

811 South First St., Artesia, NM 88210-2835

DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410-1693

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

Cross Timbers Operating Company 6001 Highway 64, Farmington NM 87401
Operator AddressDawson Federal 1 D Sec. 26, T27N, R08W San Juan, NM
Lease Well No. Unit Ltr. - Sec - Twp - Rge CountyOGRID NO. 167067 Property Code 022686 API NO. 300451187300
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 Zone	Lower Zone
1. Pool Name and Pool Code	Blanco Mesa Verde 72319		Basin Dakota 71599
2. Top and Bottom of Pay Section (Perforations)	4138' - 4591'		6538' - 6656'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flwg		Flwg
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) Calc 728 PSIA b. (Original) Calc 1020 PSIA	a. b.	a. Meas 502 PSIA b. Calc 2122 PSIA
6. Oil Gravity (^o API) or Gas BTU Content	1322 BTU		1209 BTU
7. Producing or Shut-In?	Producing		Producing
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 60 days)	Date: 11/16/98 Rates: 0 / 56 / 0	Date: Rates:	Date: 8/13/98 Rates: 0 / 12 / 0
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 0 % Gas: 82 %	Oil: % Gas: %	Oil: 100 % Gas: 18 %

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 ___ No11. 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 ___ No13. 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(D) 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 Jeffrey W. Patton TITLE Production Engr DATE 11/24/98TYPE OR PRINT NAME Jeffrey W. Patton TELEPHONE NO. (505) 632-5200

15. NMCD Reference Cases for Rule 303(D) Exceptions:

ORDER NO(S).

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SIGNATURE

Jeffrey W. Patton

TITLE Production Engr DATE 11/24/98

TYPE OR PRINT NAME Jeffrey W. Patton

TELEPHONE NO. (505) 632-5200

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
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 300451187300	2 Pool Code 72319 / 71599	3 Pool Name BLANCO MESAVERDE / BASIN DAKOTA
4 Property Code 022686	5 Property Name DAWSON FEDERAL	6 Well Number 1
7 OGRID No. 167067	8 Operator Name CROSS TIMBERS OPERATING COMPANY	9 Elevation 5989

10 Surface Location

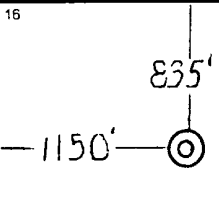
UL or lot no. D	Section 26	Township 27N	Range 08W	Lot Idn	Feet from the 835	North/South line NORTH	Feet from the 1150	East/West Line WEST	County SAN JUAN
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
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12 Dedicated Acres 160.00	13 Joint or Infill	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

16 				17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i> Signature <u>Jeffrey W Patton</u> Printed Name JEFFREY W PATTON Title PRODUCTION ENGINEER Date 11-20-98
				18 SURVEYOR CERTIFICATION <i>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.</i> Date of Survey 10-06-66 Signature and Seal of Professional Surveyer: Reissue of survey by Robert H Ernst. #2463 Certificate Number

Cross Timbers Oil Company

DAWSON FEDERAL

CROSS TIMBERS

BLANCO (MESA VERDE)

SAN JUAN, NEW MEXICO

26D 27N 08W

BCV

CO

737231

(INA)

SAN JUAN

70197

M & L - 1/98 FORECAST

JWP DLM BGH

Run Date: 03/1998

Run Time: 10:51:43

GAS (mcf/mo)

OIL (bbls/mo)

Decline

Q1

Q2

Q3

Q4

Q5

Q6

Q7

Q8

Q9

Q10

Q11

Q12

Q13

Q14

Q15

Q16

Q17

Q18

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Cross Timbers Oil Company

DAWSON FEDERAL I

CROSS TIMBERS
BASIN (DAKOTA)

SAN JUAN, NEW MEXICO

26D 27N 08W

CO

511873

SAN JUAN

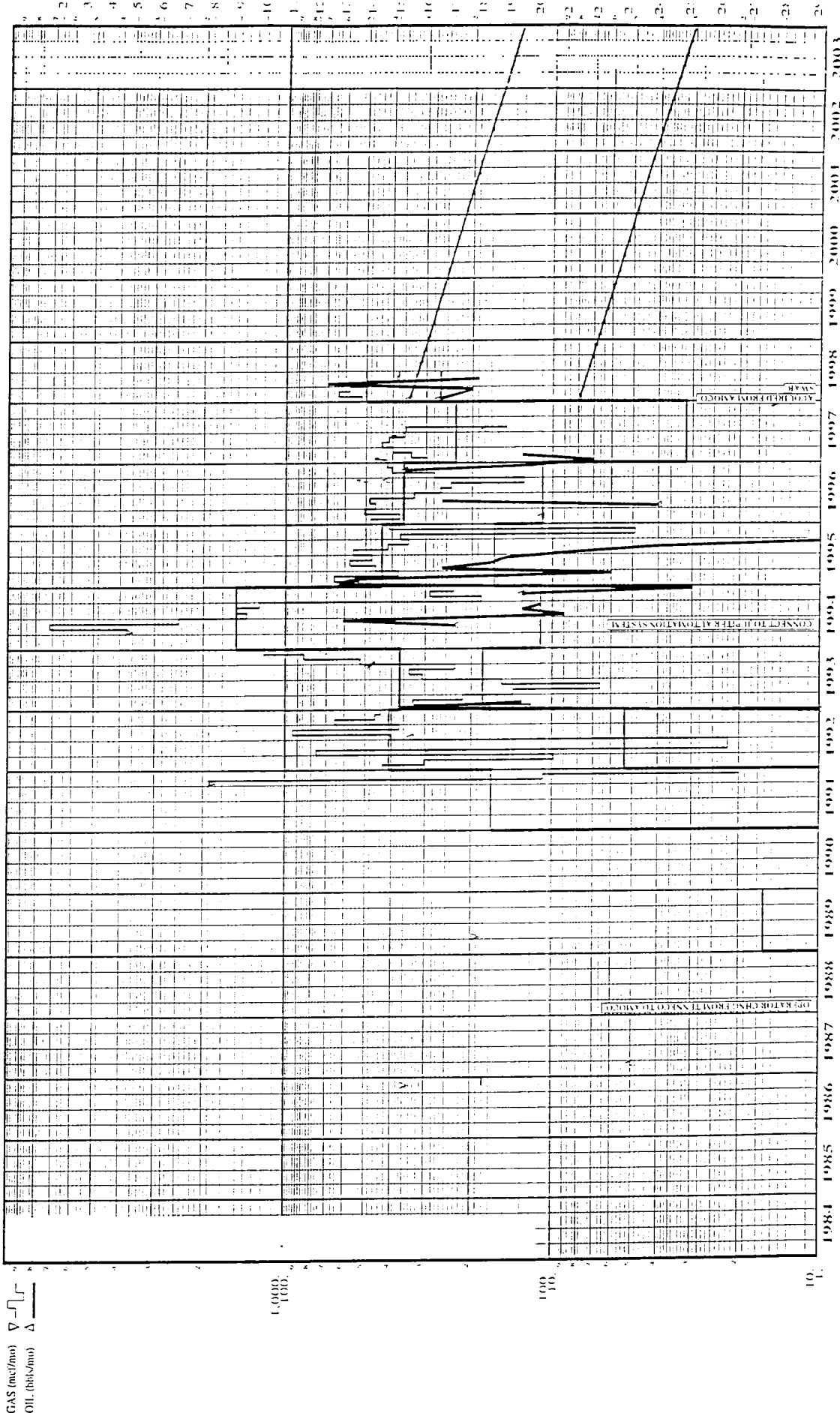
70196

MACL - 1998 FORECAST

JWP DLM BGH

Run Date: 08/09/98
Run Time: 10:51:32

Gas (mcf/dmo) ▽
Oil (bbl/dmo) ▴



Oil (bbl/dmo)	Gas (mcf/dmo)	Gross Cum to 12/97	Oil (bbls)	Gas (mcf)	Res. Cat	DDP
8	408	1,000	1,000	1,000	1998	6-300
3	123	1,000	1,000	1,000	CTM 1998	
15.0 %	15.0 %	1,000	1,000	1,000	Setup Date	DDP 1998
		1,000	1,000	1,000	Q Prod	CTM 1
		1,000	1,000	1,000	Q Owner	CTM 1
		1,000	1,000	1,000	Q Other	CTM 1
		1,000	1,000	1,000		CTM 1

Oil (bbl/dmo)	Gas (mcf/dmo)	Gross Cum to 12/97	Oil (bbls)	Gas (mcf)	Res. Cat	DDP
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15.0 %	15.0 %	1,000	1,000	1,000	Setup Date	DDP 1998
		1,000	1,000	1,000	Q Prod	CTM 1
		1,000	1,000	1,000	Q Owner	CTM 1
		1,000	1,000	1,000	Q Other	CTM 1
		1,000	1,000	1,000		CTM 1



Cross Timbers Operating Company

Dawson Federal #1

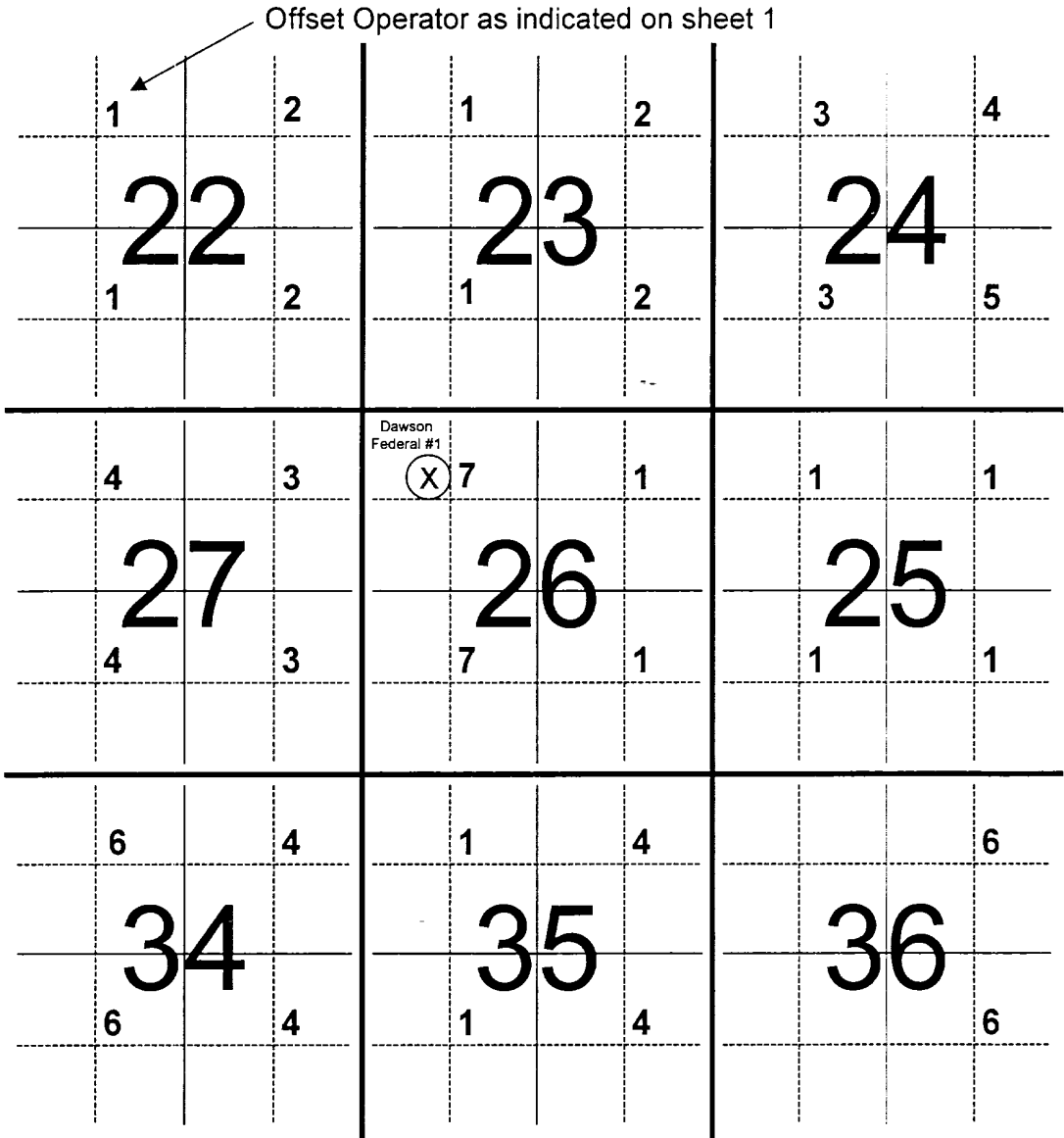
Offset Operator / Ownership Plat
Blanco Mesaverde / Basin Dakota
Downhole Commingle

Township 27 N, Range 08 W

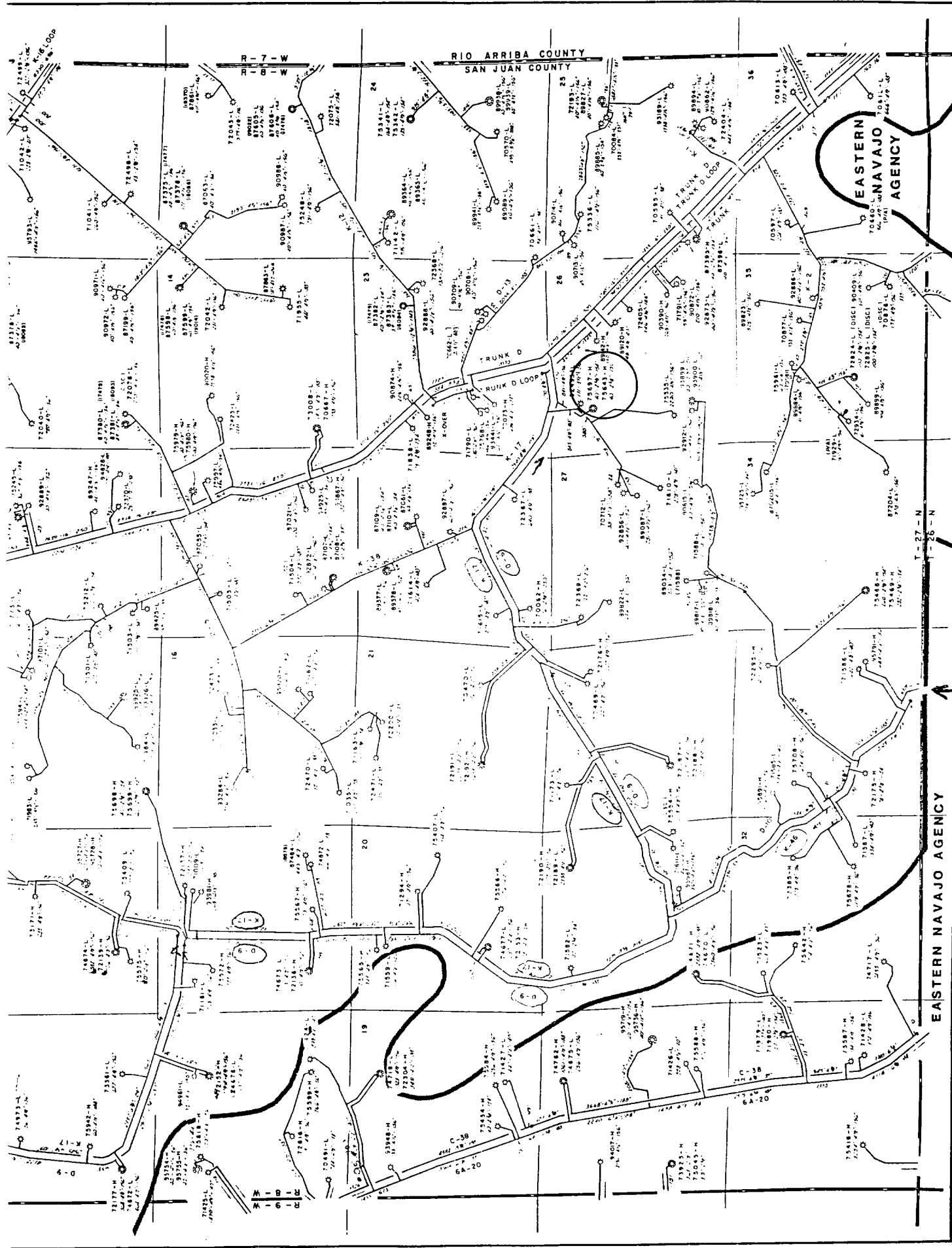
1. M & G Drilling Company Inc.
c/o KM Production
368 NM Hwy 170
Farmington, NM 87401
2. Bledsoe Petro Corporation
1717 Main
Suite #5850
Dallas, TX. 75201
3. Western Oil & Minerals Limited
3001 Northridge
Farmington, NM 87401
4. Conoco Incorporated
10 Desta Dr.
Suite 100W
Midland, TX. 79705
5. Greystone Energy Inc.
5802 Hwy 64
Farmington, NM 87401
6. Burlington Resources Oil & Gas Company
3535 E. 30th St.
Farmington, NM 87402
7. Cross Timbers Operating Co.
6001 E. Hwy 64
Farmington, NM 87401



Cross Timbers Operating Company



Township 27 N, Range 08 W



T-27-N, R-8-W N. MEX.