

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
811 South First St., Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410
DISTRICT IV
2040 S. Pacheco, Santa Fe, NM 87505

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
Revised August 1999

APPROVAL PROCESS:

☐ Administrative ☐ Hearing

EXISTING WELLBORE

☐ YES ☒ NO

APPLICATION FOR DOWNHOLE COMMINGLING

BURLINGTON RESOURCES OIL & GAS COMPANY

PO BOX 4289, FARMINGTON, NM 87499

Operator

Address

CULPEPPER MARTIN

17M

G 33-32N-12W

SAN JUAN

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 6935 API NO. 30-045-30015 Federal ☒ , State ☐ , (and/or) Fee ☐

The following facts are submitted in support of downhole commingling: 1. Pool Name and Pool Code	Upper Zone BLANCO MESAVERDE - 72319	Intermediate Zone	Lower Zone BASIN DAKOTA - 71599
2. Top and Bottom of Pay Section (Perforations)	WILL BE SUPPLIED UPON COMPLETION		WILL BE SUPPLIED UPON COMPLETION
3. Type of production (Oil or Gas)	GAS		GAS
4. Method of Production (Flowing or Artificial Lift)	FLOWING		FLOWING
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 530 psi (see attachment) b. (Original) 1258 psi (see attachment)		a. (Current) 978 psi (see attachment) b. (Original) 1529 psi (see attachment)
6. Oil Gravity (EAPI) or Gas BTU Content	BTU 1007		BTU 1172
7. Producing or Shut-In?	SHUT-IN		SHUT-IN
Production Marginal? (yes or no)	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: N/A Rates:	Date: N/A Rates:	Date: N/A Rates:
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: N/A Rates:	Date: N/A Rates:	Date: N/A Rates:
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: % Gas: % WILL BE SUPPLIED UPON COMPLETION	Oil: % Gas: % WILL BE SUPPLIED UPON COMPLETION	Oil: % Gas: % WILL BE SUPPLIED UPON COMPLETION

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

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(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 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

Wayne Fletcher

TITLE PRODUCTION ENGINEER

DATE:

12/29/99

TYPE OR PRINT NAME B. WAYNE FLETCHER

TELEPHONE NO. 505-326-9700

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

District II
PO Drawer 00, 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 21, 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 30-045-	² Pool Code 72319/71599	³ Pool Name Blanco Mesaverde/Basin Dakota
⁴ Property Code 6935	⁵ Property Name CULPEPPER MARTIN	⁶ Well Number 17M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	⁹ Elevation 6012'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot 10n	Feet from the	North/South line	Feet from the	East/West line	County
G	33	32N	12W		1455	NORTH	1810	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 10n	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acreage MV:E/320 DK:E/320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

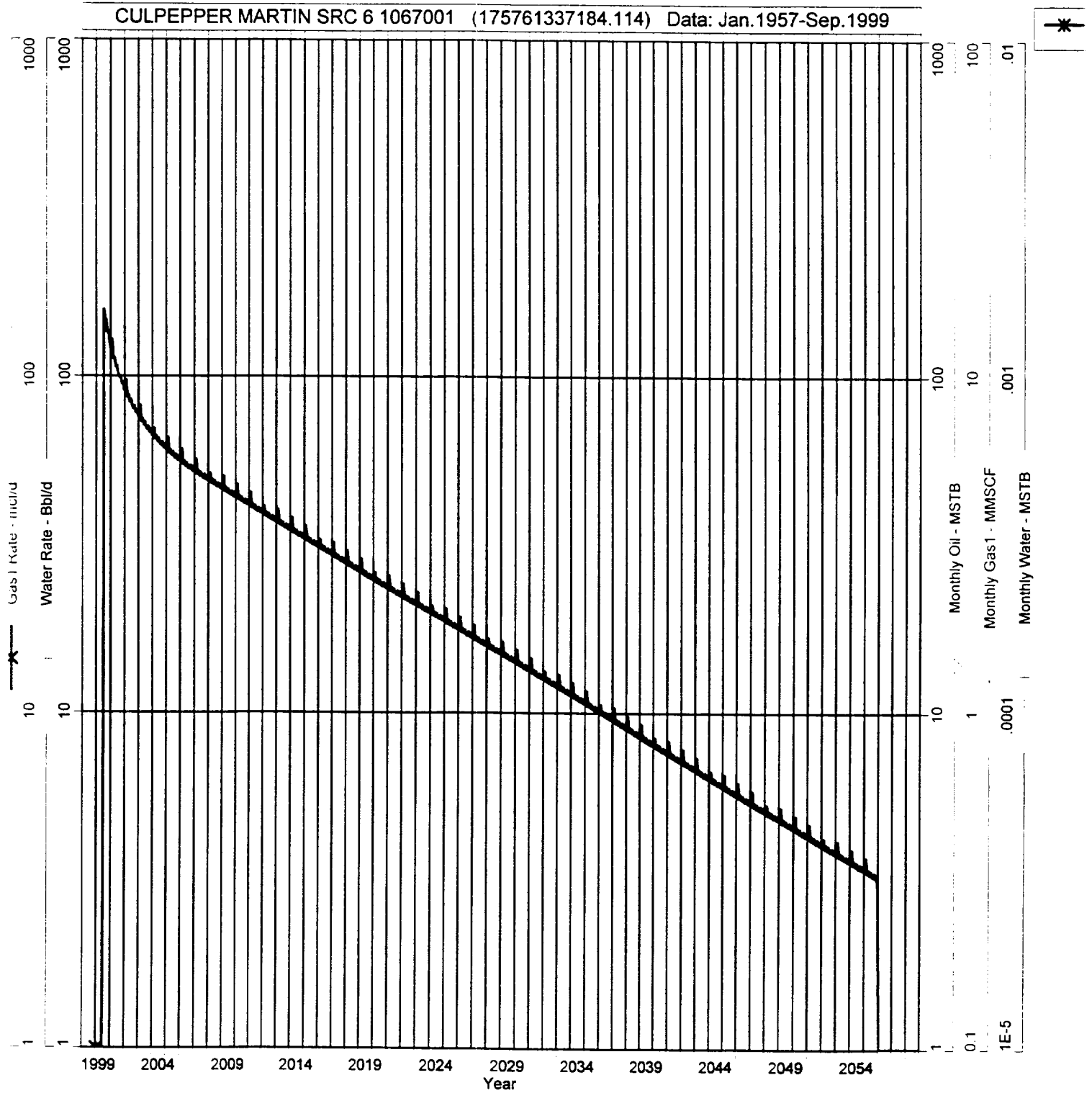
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Peggy Cole Printed Name Regulatory Administrator Title 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. OCTOBER 7, 1999 Date of Survey Signature and Seal of Professional Surveyor Certificate Number 6857

Culpepper Martin #17M

Expected Production

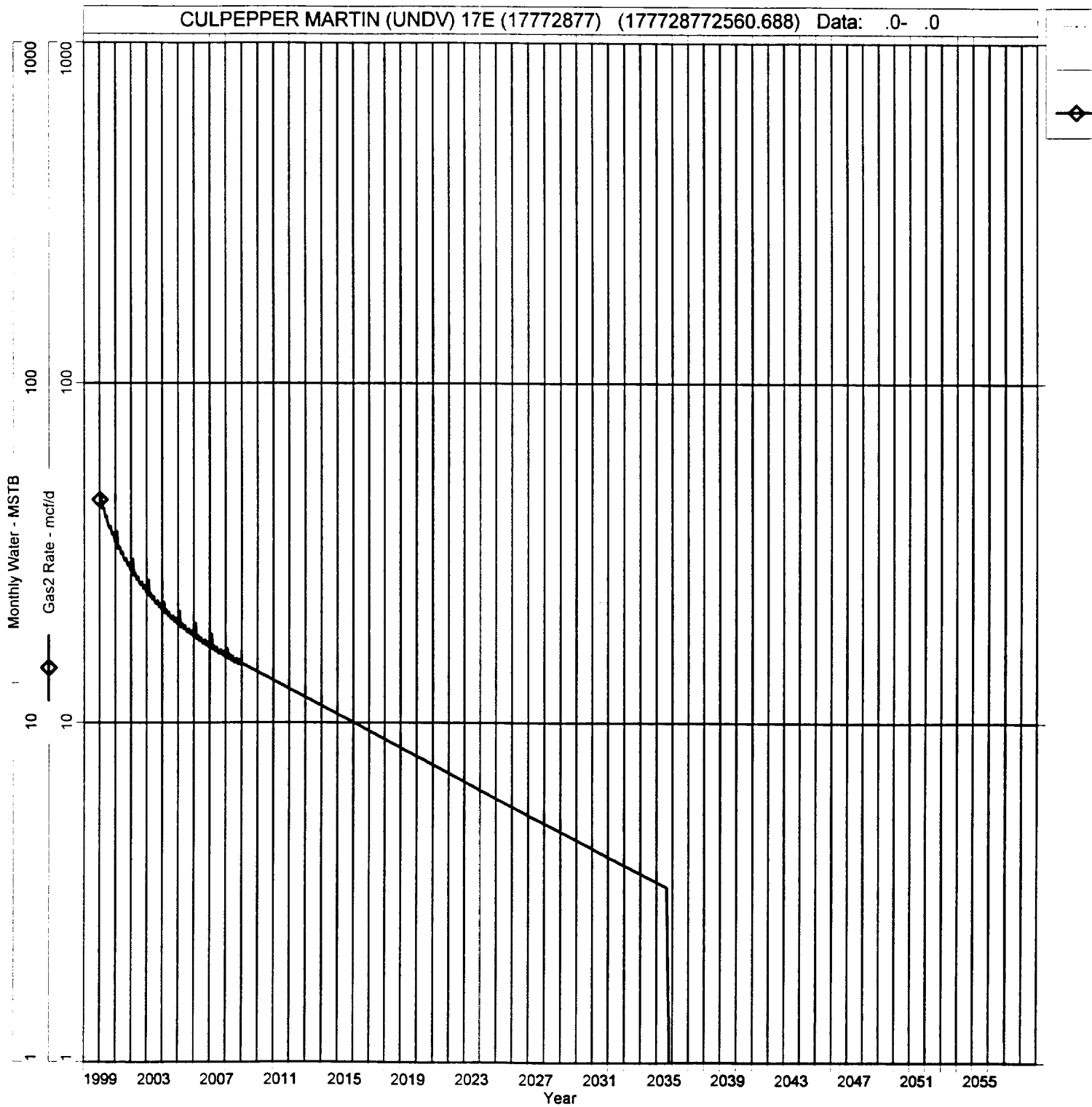
Mesaverde Formation



Culpepper Martin #17M

Expected Production

Dakota Formation



Culpepper Martin #17M

Bottom Hole Pressures

Flowing and Static BHP

Cullender and Smith Method

Version 1.0 3/13/94

Mesaverde		Dakota	
<u>MV-Current</u>		<u>DK-Current</u>	
GAS GRAVITY	0.726	GAS GRAVITY	0.692
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.28	%N2	0.19
%CO2	0.75	%CO2	2.09
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	2.375
DEPTH (FT)	5086	DEPTH (FT)	7085
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137	BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	463	SURFACE PRESSURE (PSIA)	819
BOTTOMHOLE PRESSURE (PSIA)	530.3	BOTTOMHOLE PRESSURE (PSIA)	977.5
<u>MV-Original</u>		<u>DK-Original</u>	
GAS GRAVITY	0.726	GAS GRAVITY	0.692
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.28	%N2	0.19
%CO2	0.75	%CO2	2.09
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	2.375
DEPTH (FT)	5086	DEPTH (FT)	7085
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137	BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	860	SURFACE PRESSURE (PSIA)	1268
BOTTOMHOLE PRESSURE (PSIA)	995.9	BOTTOMHOLE PRESSURE (PSIA)	1528.7

Culpepper Martin #17M

Mesaverde Offset

<u>Well Name</u>	<u>Date</u>	<u>Pressure</u>
CULPEPPER MARTIN 6A	05/23/77	860
CULPEPPER MARTIN 6A	09/10/77	678
CULPEPPER MARTIN 6A	09/30/77	678
CULPEPPER MARTIN 6A	10/31/77	567
CULPEPPER MARTIN 6A	11/30/77	538
CULPEPPER MARTIN 6A	12/31/77	538
CULPEPPER MARTIN 6A	01/31/78	504
CULPEPPER MARTIN 6A	02/28/78	529
CULPEPPER MARTIN 6A	03/31/78	479
CULPEPPER MARTIN 6A	08/25/78	567
CULPEPPER MARTIN 6A	06/15/79	538
CULPEPPER MARTIN 6A	09/08/80	538
CULPEPPER MARTIN 6A	04/08/82	504
CULPEPPER MARTIN 6A	08/07/84	529
CULPEPPER MARTIN 6A	10/28/86	479
CULPEPPER MARTIN 6A	07/07/89	485
CULPEPPER MARTIN 6A	05/14/91	493
CULPEPPER MARTIN 6A	05/28/91	505
CULPEPPER MARTIN 6A	10/04/93	463

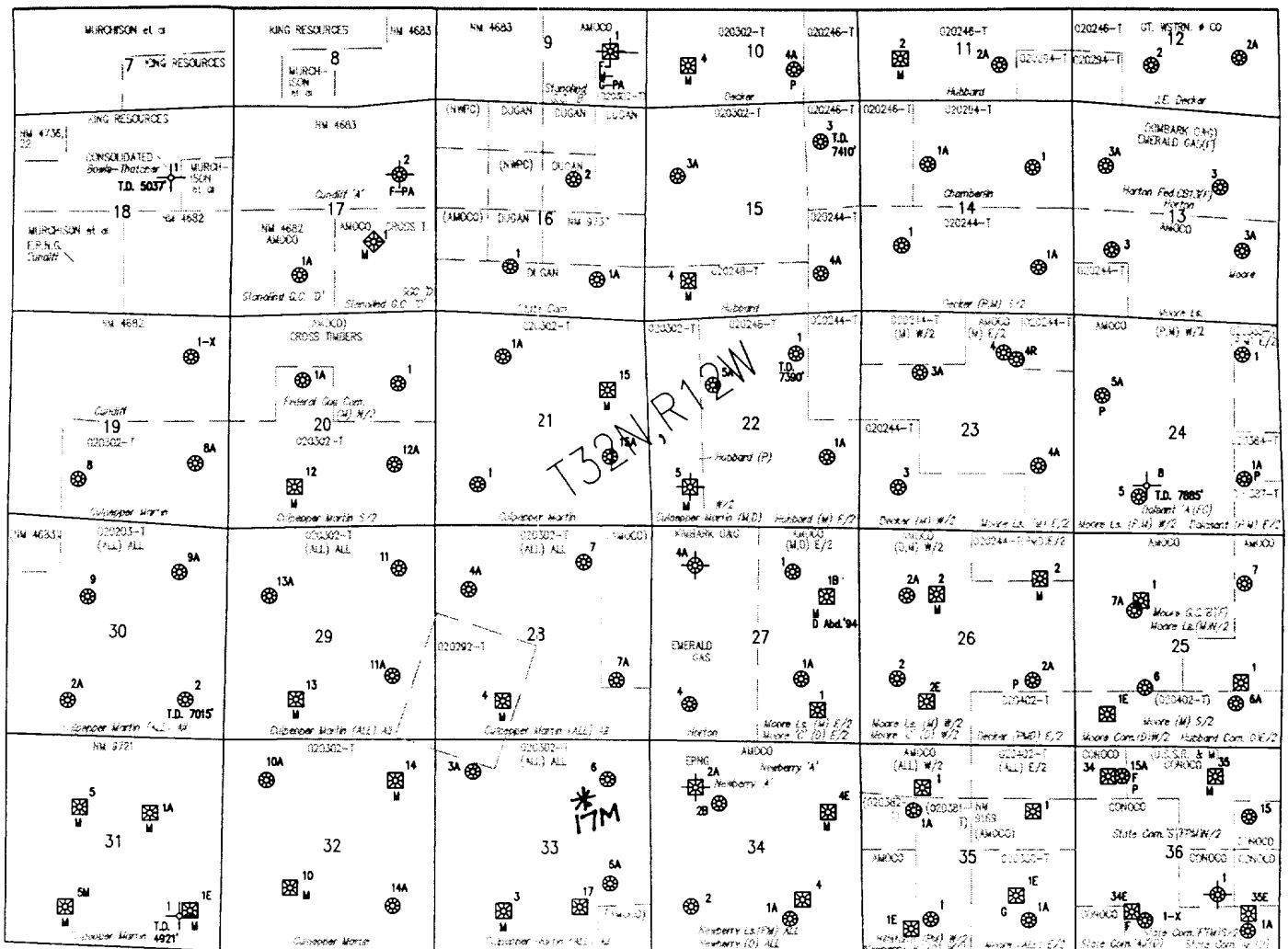
Culpepper Martin #17M
Mesaverde Offset

<u>Well Name</u>	<u>Date</u>	<u>Pressure</u>
CULPEPPER MARTIN 17	05/24/79	1,268
CULPEPPER MARTIN 17	06/01/80	1,013
CULPEPPER MARTIN 17	07/24/81	922
CULPEPPER MARTIN 17	11/23/83	961
CULPEPPER MARTIN 17	04/25/85	818
CULPEPPER MARTIN 17	11/30/88	841
CULPEPPER MARTIN 17	04/25/90	807
CULPEPPER MARTIN 17	03/29/92	819

Culpepper Martin #17M

Mesaverde / Dakota

32N - 12W - 33



**BURLINGTON
RESOURCES**

SAN JUAN DIVISION
3535 East 30th Street: (87402-8801)
P.O. BOX 4289
Farmington, New Mexico 87499-4289

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RESOURCES**

SAN JUAN DIVISION
3535 East 30th Street: (87402-8801)
P.O. BOX 4289
Farmington, New Mexico 87499-4289

Conoco, Inc.
Attn: Bill Franklin
PO Box 2197
Houston, TX 77252-2197

x

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