

DATE IN 7/24/97	SUSPENSE 8/13/97	ENGINEER DC	LOGGED BY JW	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
- Engineering Bureau -

**ADMINISTRATIVE APPLICATION COVERSHEET**

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

**Application Acronyms:**

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]  
[DD-Directional Drilling] [SD-Simultaneous Dedication]  
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

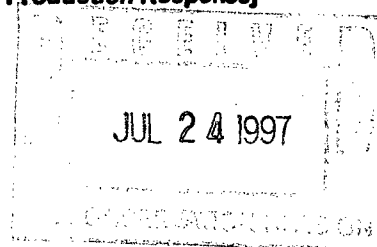
1648

**[1] TYPE OF APPLICATION - Check Those Which Apply for [A]**

- [A] Location - Spacing Unit - Directional Drilling  
☐ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] and [C]

- [B] Commingling - Storage - Measurement  
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR



**[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply**

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☒ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☒ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

**[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding**

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Ann E. Ritchie  
Print or Type Name

Signature

Regulatory Agent  
Title

7-14-97  
Date

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 87505-6429

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

**APPLICATION FOR DOWNHOLE COMMINGLING**

APPROVAL PROCESS:  
☒ Administrative ☐ Hearing  
EXISTING WELLBORE  
☐ YES ☒ NO

Operator **Conoco Inc.** Address **10 Desta Dr., Ste 100W, Midland, TX 79705-4500**

Lease **Jicarilla A** Well No **9M** Unit Ltr Sec Twp Rge **K-14-T26N-R4W** County **Rio Arriba**

OGRID NO. **005073** Property Code **18018** API NO. **N/A** 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)	5971-6410' OA		7989-8218' OA
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	To Flow		To Flow
5. Bottom hole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a (Current) 675 psia b (Original) 1383 psia	a.  b.	a. 1044 psia b. 2663 psia
6. Oil Gravity (*API) or Gas BTU Content	1248 BTU		1342 BTU
7. Producing or Shut-In?	To be drilled		To be drilled
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. • If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date Rates  To be determined from tests on completion	Date Rates:  To be determined from tests on completion	Date Rates  To be determined from tests on completion
8. Fixed Percentage Allocation Formula -% for each zone	oil:      % Gas      %	oil:      % Gas      %	oil:      % Gas      %

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 ☐ 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 others ☒ 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 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  TITLE Regulatory Agent DATE 7-14-97

TYPE OR PRINT NAME Ann E. Ritchie TELEPHONE NO. (915) 686-6548/684-6381

District I  
PO Box 1908, Hobbs, NM 88241-1908  
District II  
PO Drawer 00, Artesia, NM 88211-0719  
District III  
1000 Rio Grande 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

API Number		Pool Code	Pool Name
		71599/72319	Basin Dakota/Blanco Mesaverde
Property Code	Property Name		Well Number
18018	Jicarilla A		9M
OGRIID No.	Operator Name		Elevation
05073	CONOCO, INC.		7128'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
K	14	26-N	4-W		2070	South	2055	West	R.A.

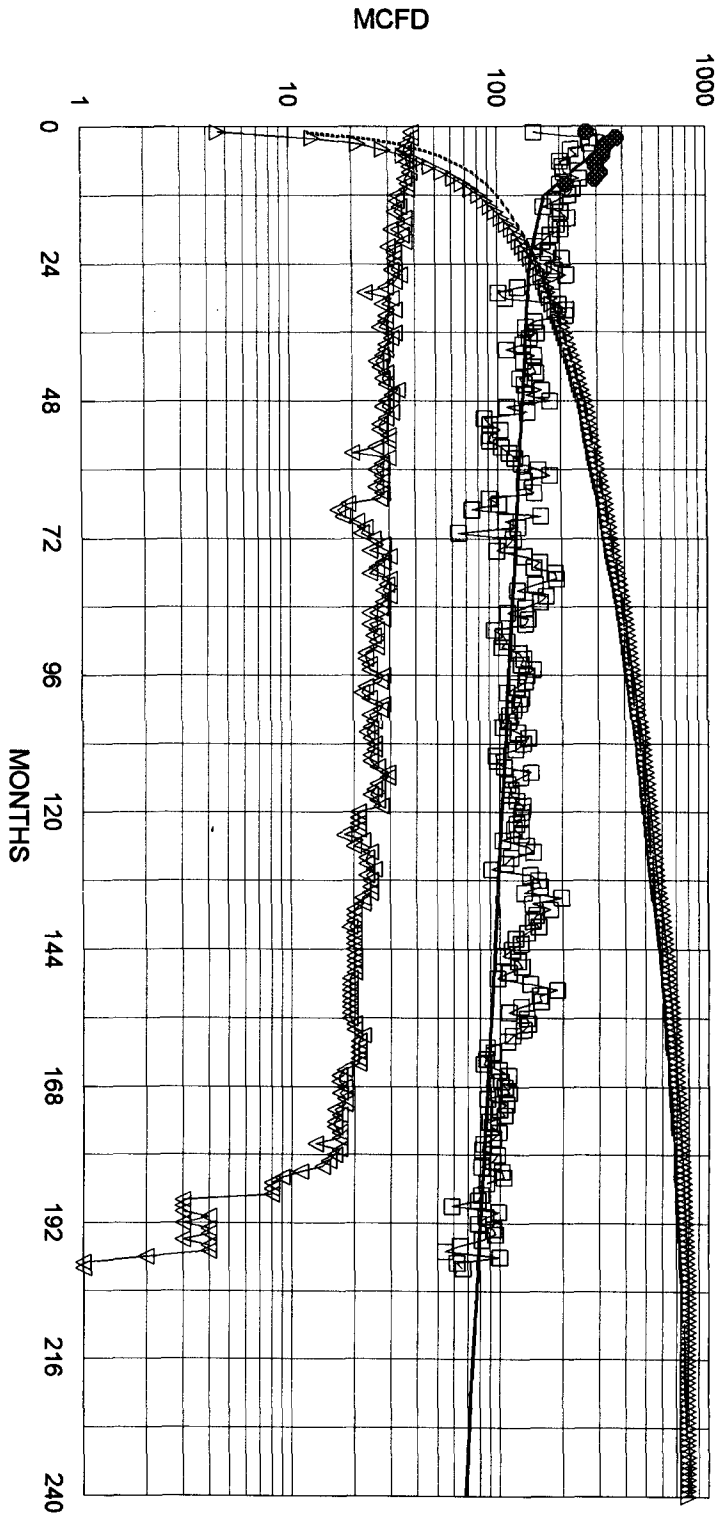
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 Order No.			
W/320									

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	5290.56'		14	5280.00'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature: <u>Gerry W. Hoover</u> Printed Name: <u>Gerry W. Hoover</u> Title: <u>Sr. Conservation Coordinator</u> Date: <u>5/15/97</u>
	5280.00'				
5280.00'		2055'		5297.82'	
2070'				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: <u>4/09/97</u> Signature and Seal of: <u>NEALE C. EDWARDS</u> 6857 Official Number: <u>6857</u>	

NORMALIZED DAKOTA PRODUCTION  
39 WELLS SINCE 1980, 26N-4W (MERIT JICARILLA A,B,&E OFFSETS)

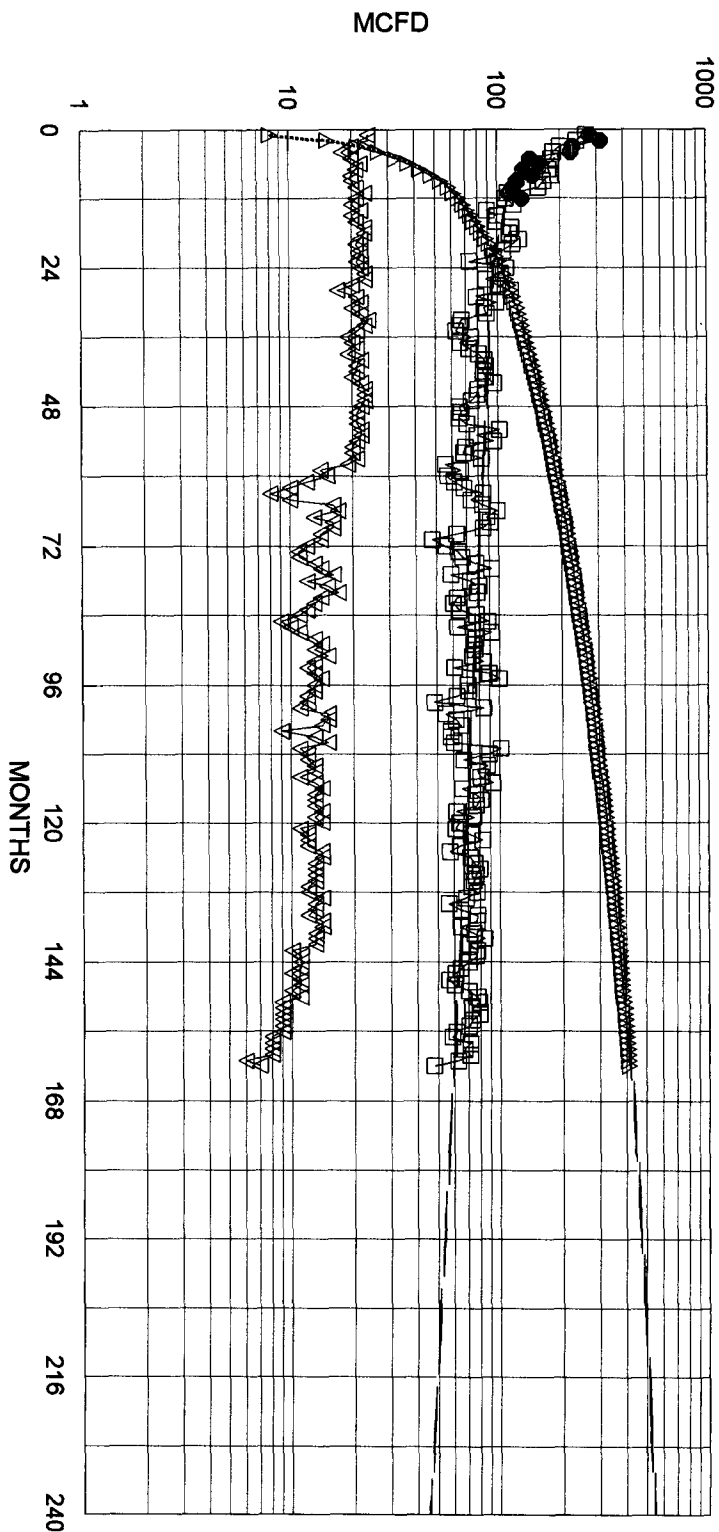


NORMALIZED AVG:

1210 MMCF EUR  
824 MMCF IN 20 YRS  
25 MCFD E.L.  
0.0167 bbl/mcf oil yield

420 MCFD IP  
60% DECLINE, 1ST 12 MONTHS  
15% DECLINE, NEXT 12 MONTHS  
4% FINAL DECLINE

**NORMALIZED MESAVERDE PRODUCTION**  
25 WELLS SINCE 1980; 26N 4W SEC 7-36



— FIT MCFD      □ NORMALIZED MCFD      △ NORM CUM MMCF  
 ▽ WELLS ON PRODUCTION      — FIT CUM MMCF      ● 7 NEW MERIT REC. SINCE '94

**NORMALIZED AVG:**

777 MMCF EUR  
 549 MMCF IN 20 YRS  
 20 MCFD E.L.  
 0.004 BBL/MCF OIL YIELD

280 MCFD IP  
 60% DECLINE, 1ST 12 MONTHS  
 15% DECLINE, NEXT 12 MONTHS  
 4.0% FINAL DECLINE

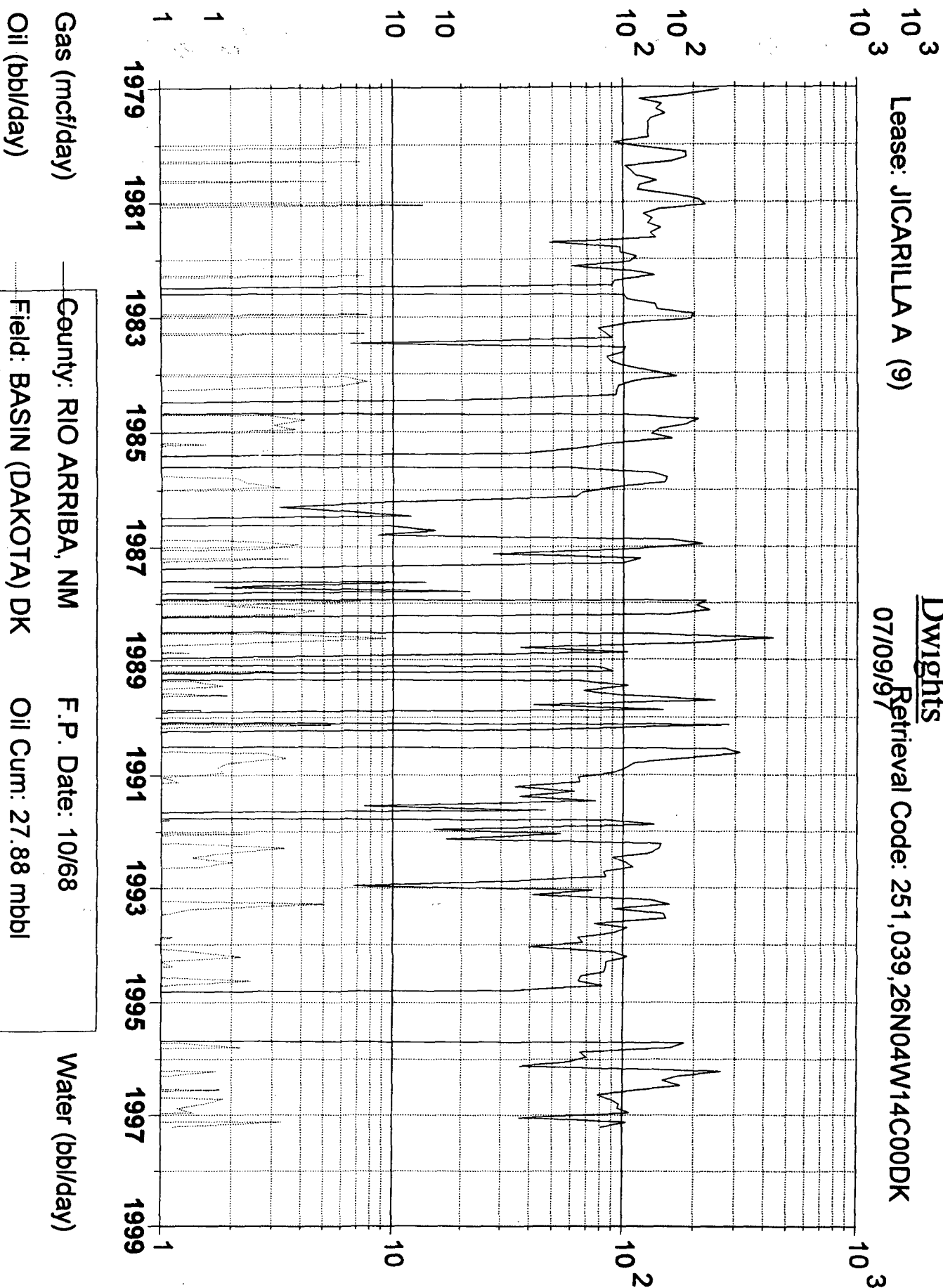
COMBINED MV/DK IP:  
 COMBINED EUR:  
 COMBINED 20 YR MMCF:  
 COMBINED OIL YIELD:

700 MCFD  
 1987 MMCF  
 1373 MMCF  
 0.01 BBL/MCF

Dwights

Lease: JICARILLA A (9)

Retrieval Code: 251,039,26N04W14C00DK  
07/09/97



Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

County: RIO ARriba, NM

F.P. Date: 10/68

Field: BASIN (DAKOTA) DK

Oil Cum: 27.88 mbbl

Reservoir: DAKOTA

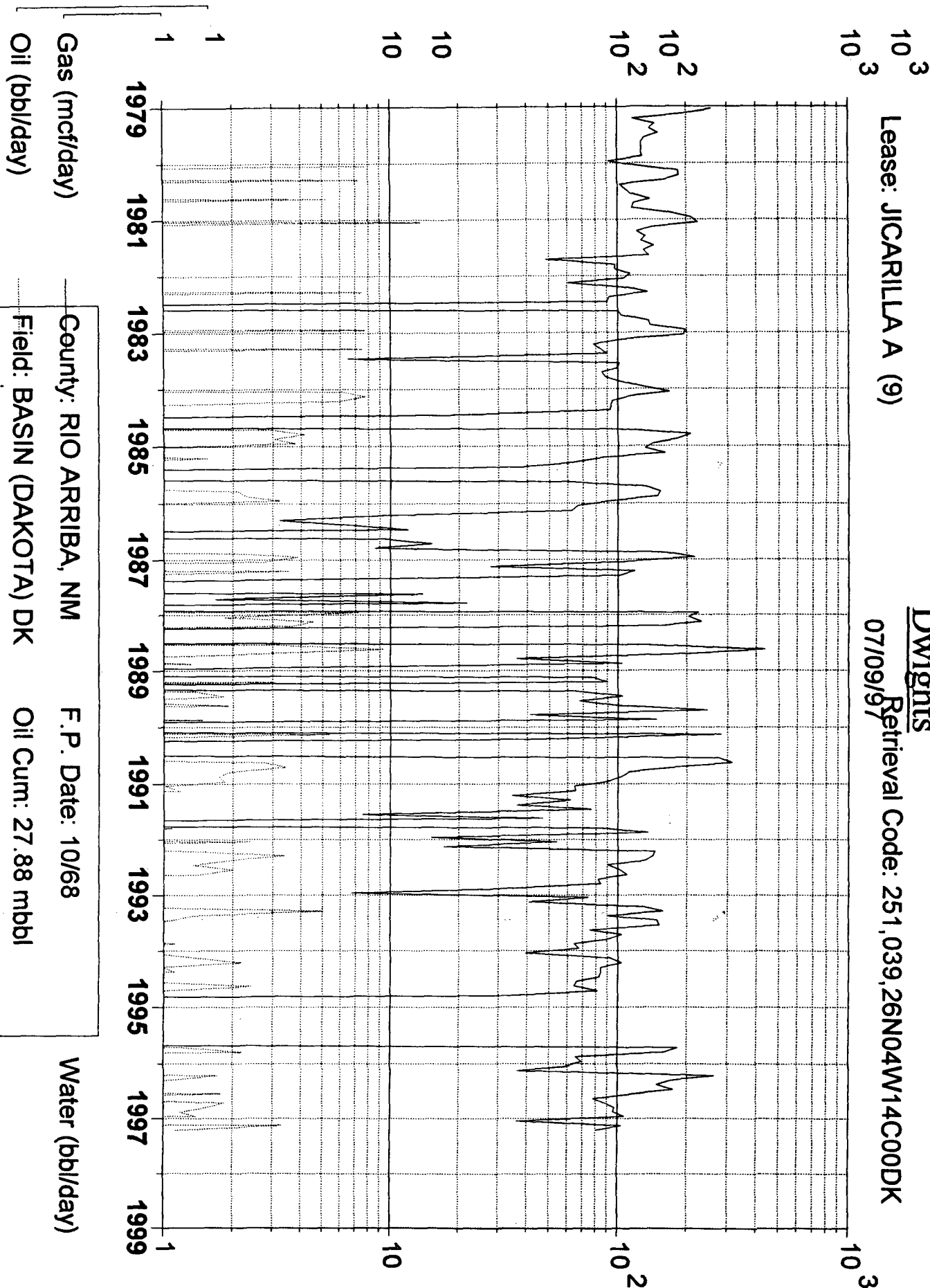
Gas Cum: 1592 mmcf

Operator: CONOCO INC

Location: 14C 26N 4W

Lease: JICARILLA A (9)

Dwights  
Retrieval Code: 251,039,26N04W14C00DK  
07/09/97



Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

County: RIO ARRIBA, NM

Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

Operator: CONOCO INC

F.P. Date: 10/68

Oil Cum: 27.88 mbbl

Gas Cum: 1592 mmcf

Location: 14C 26N 4W

Conoco, Inc.  
C-107-A  
Offset Operator List

RE: Jicarilla A, Well #9M, Rio Arriba County, New Mexico

1. Burlington Resources Oil & Gas Co.  
P. O. Box 4289  
Farmington, NM 87499
2. Amoco Production Co.  
P. O. Box 800  
Denver, CO 80201
3. Chateau Oil & Gas Inc.  
2515 McKinney Avenue Ste 840  
Dallas, TX 75201
4. Conoco, Inc.  
10 Desta Dr., Suite 100W  
Midland, Texas 79705-4500

P 497 368 607

US Postal Service  
**Receipt for Certified Mail**  
 No Insurance Coverage Provided

Burlington Resources Oil & Gas Co.  
 P. O. Box 4289  
 Farmington, NM 87499

PS Form 3800, April 1995

Postage	\$ 1.70
Certified Fee	1.35
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.10
Return Receipt Showing to Whom, Date, & Addressee's Address	
<b>TOTAL Postage &amp; Fees</b>	<b>\$ 4.15</b>
Postmark or Date	7-22-97

P 497 368 608

US Postal Service  
**Receipt for Certified Mail**

Chateau Oil & Gas Inc.  
 2515 McKinney Ave. Ste. 840  
 Dallas, TX 75201

PS Form 3800, April 1995

Postage	\$ 1.47
Certified Fee	1.35
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.10
Return Receipt Showing to Whom, Date, & Addressee's Address	
<b>TOTAL Postage &amp; Fees</b>	<b>\$ 3.92</b>
Postmark or Date	7-22-97

P 497 368 609

US Postal Service  
**Receipt for Certified Mail**  
 No Insurance Coverage Provided

Amoco Production Company  
 P. O. Box 800  
 Denver, CO 80202

PS Form 3800, April 1995

Postage	\$ 1.24
Certified Fee	1.35
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.10
Return Receipt Showing to Whom, Date, & Addressee's Address	
<b>TOTAL Postage &amp; Fees</b>	<b>\$ 3.69</b>
Postmark or Date	7-22-97

P 497 368 622

US Postal Service  
**Receipt for Certified Mail**

Caulkins Oil Co.  
 1600 Broadway Ste. 2100  
 Denver, CO 80202

PS Form 3800, April 1995

Postage	\$ .55
Certified Fee	1.35
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.10
Return Receipt Showing to Whom, Date, & Addressee's Address	
<b>TOTAL Postage &amp; Fees</b>	<b>\$ 3.00</b>
Postmark or Date	7-22-97