

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

CONOCO INC.

3. Address and Telephone No.

10 DESTA DR. STE. 100W, MIDLAND, TX. 79705-4500 (915) 686-5424

4. Location of Well (Footage, Sec., T. R. M. or Survey Description)

1455' FNL & 1045' FWL
E Sec. 2, T-25N, R-5W

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

CONT 145

6. If Indian, Allottee or Tribe Name

Jicarilla

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Jicarilla K No. 11

9. API Well No.

30-039-20284

10. Field and Pool, or Exploratory Area

Blanco Mesaverde *Otero Chacra*

11. County or Parish, State

Rio Arriba, NM

1. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Repon
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracruning
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

INote: Repon results of multiple completion Wdl Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is proposed to recomplete this well to the Otero Chacra and the Blanco Mesaverde and to downhole commingle both with the Dakota by the following procedure:

1. Set 4'1/2" CIBP @ 5350' over top of Dakota.
2. Perforate Menefee/Point Lookout at 5007'-5297' w/33 holes
3. Treat perforations w/800 gals 15% HCl and slick water frac.
4. Perforate Chacra at 3873'-3899' @ 2 jsfp (53 holes).
5. Treat perforations w/500 gals 15% HCl and slick water frac.

An application to downhole commingle the Chacra, Mesaverde, and Dakota has been filed. When DHC approval has been received, the next step will be done.

5. Drill out CIBP and downhole commingle the Chacra, Mesaverde, and Dakota.

RECEIVED
JUL 28 1997

OIL CON. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed

Title Sr. Conservation Coordinator

Date

6/12/97

(This space for Federal or State office use)

Title Chief, Lands and Mineral Resources

Date

JUL 24 1997

Approved by

Conditions of approval if any:

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 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 30-039-20284	2 Pool Code 82329/71599	3 Pool Name Otero Chacra/Blanco Mesaverde
4 Property Code 18022	5 Property Name Jicarilla K	6 Well Number 11
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation 6634'

10 Surface Location

UL or lot no. E	Section 2	Township 25N	Range 5W	Lot Idn	Feet from the 1455	North/South line North	Feet from the 1045	East/West line West	County Rio Arriba
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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 158.29/318.80 NW160/N320	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

1455'

1045' → O

Chacra

Mesaverde

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OIL CON. DIV.
DIST. 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
Jerry W. Hoover

Printed Name
Sr. Conservation Coordinator

Title
6/12/97

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 Surveyor:

Certificate Number

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 87505-8429

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OIL CON. DIV.
DIST. 3

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

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Conoco Inc.

10 Desta Dr., Ste 100W, Midland, TX 79705-4500

Operator

Address

Jicarilla K

11

E-2-T25N-R5W

Rio Arriba

Lease

Well No

Unit Ltr Sec Twp Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 005073

Property Code

18023

API NO.

30039-20284

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	Otero Chacra 82329	Blanco Mesa Verde 72319	Basin Dakota 71599
2. TOP and Bottom of Pay Section (Perforations)	Proposed 3873-3899'	Proposed 5008-5299' OA	Current 7186-7408'-OA
3. Type of production (Oil or Gas)	Gas	Gas	Gas
4. Method of Production (Flowing or Artificial Lift)	To Flow	To Flow	Flowing
5. Bottom hole Pressure	a. (Current)	a.	a.
Oil Zones - Artificial Lift: Estimated Current	857 PSIA	870 PSIA	695 PSIA
Gas & Oil - Flowing: Measured Current	b. (Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	960 PSIA	1123 PSIA	2273 PSIA
6. Oil Gravity (*API) or Gas BTU Content	1192-BTU (Jic. K 18,2M-25N-5W)	1265 - BTU (Jic. K-22,2M-25N-5W)	1266-BTU
7. Producing or Shut-In?	To be completed	To Be Completed	Producing
Production Marginal? (yes or no)	Expected to be	Expected To Be	Yes
• If Shut-In give date and oil/gas/water rates of last production	Date Rates	Date Rates	Date Rates
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 Split Chacra & Mesa Verde by percentages below after subtraction	Date Rates Split Chacra & Mesa Verde by percentages below after subtraction	Date Rates Mid-year average rates - see table
8. Fixed Percentage Allocation Formula - % for each zone	Oil 0 % Gas 43 %	Oil 100 % Gas 57 %	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 Sr. Conservation Coord.

DATE

6/13/97

TYPE OR PRINT NAME Jerry W. Hoover

TELEPHONE NO.

(915)

686-6548

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator SOUTHERN UNION PRODUCTION COMPANY			Lease JICARILLA "K"		Well No. 11
Unit Letter E	Section 2	Township 25 NORTH	Range 5 WEST	County RIO ARriba	
Actual Footage Location of Well: 1455 feet from the NORTH line and 1045 feet from the WEST line					
Ground Level Elev. 6634.0	Producing Formation DAKOTA	Pool BASIN DAKOTA	Dedicated Acreage: (318.8) N/2 Sec. 2 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty),
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

() Yes () No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.

CERTIFICATION

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

**ORIGINAL SIGNED BY
B. R. VANDERSLICE**

Name
Bill Vanderslice
Position
Area Superintendent
Company
Southern Union Production Co.
Date
October 9, 1969

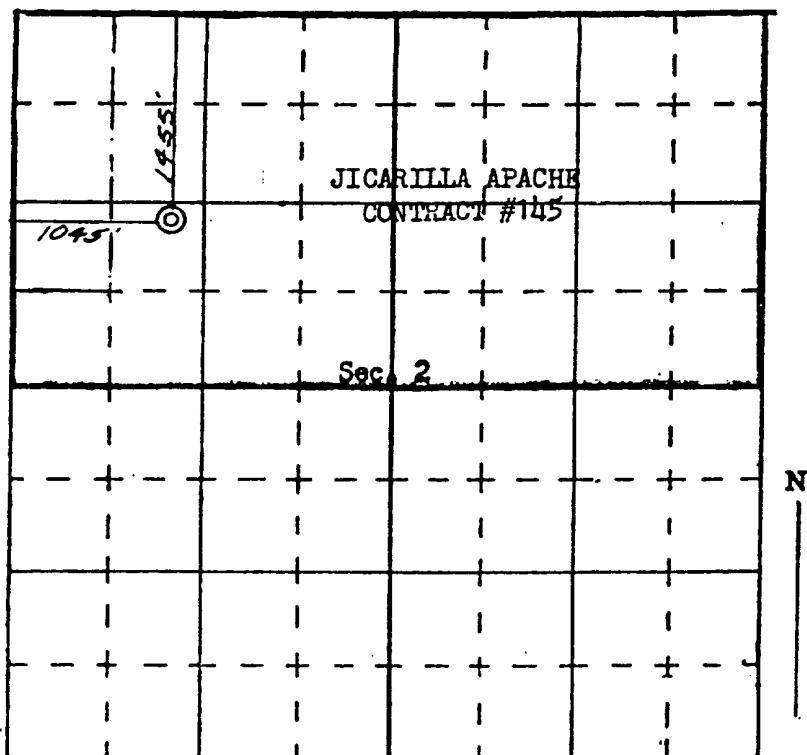
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

October 7, 1969
Date Surveyed
[Signature]
Registered Professional Engineer
and/or Land Surveyor

JAMES P. LEESE

1463

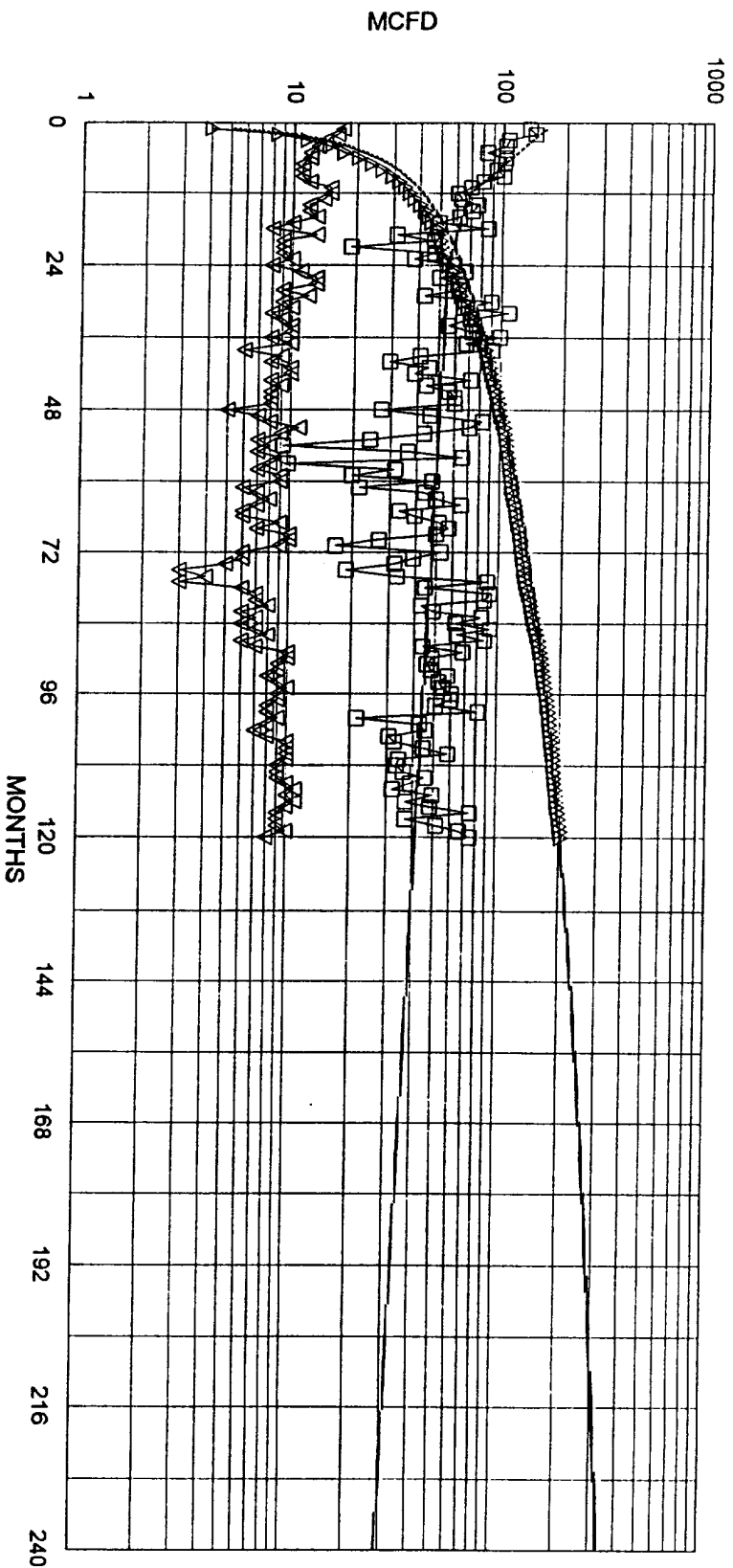
Certificate No



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

NORMALIZED MESAVERDE PRODUCTION
17 WELLS SINCE 1982; OFFSET TO JIC. K LEASE (25N-5W)

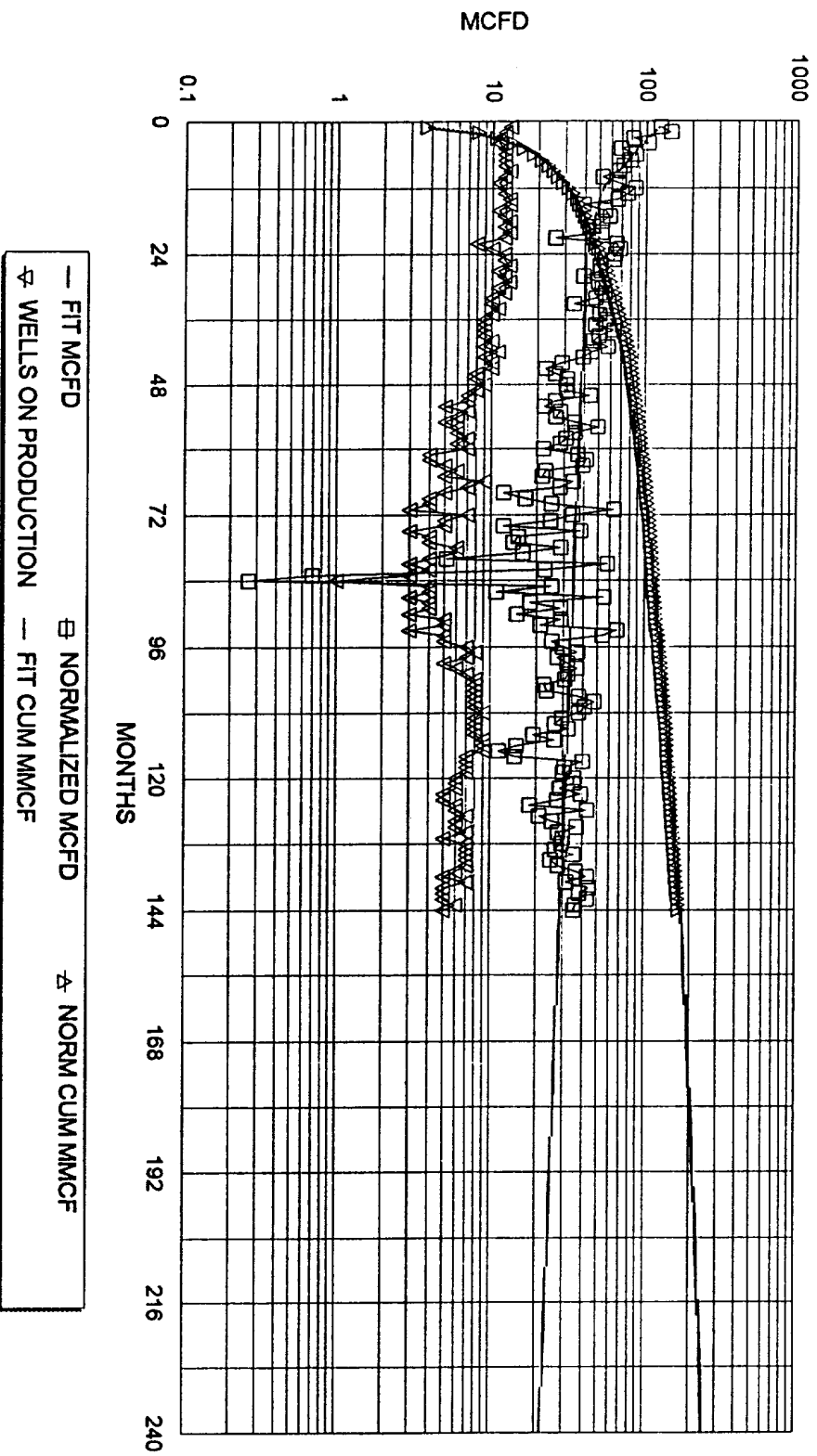


NORMALIZED AVG:

423 MMCF EUR
331 MMCF IN 20 YRS
20 MCFD E.L.
0.05 BBL/MCF OIL

172 MCFD IP
60.0% DECLINE, 1ST 12 MONTHS
20.0% DECLINE, NEXT 12 MONTHS
3.5% FINAL DECLINE

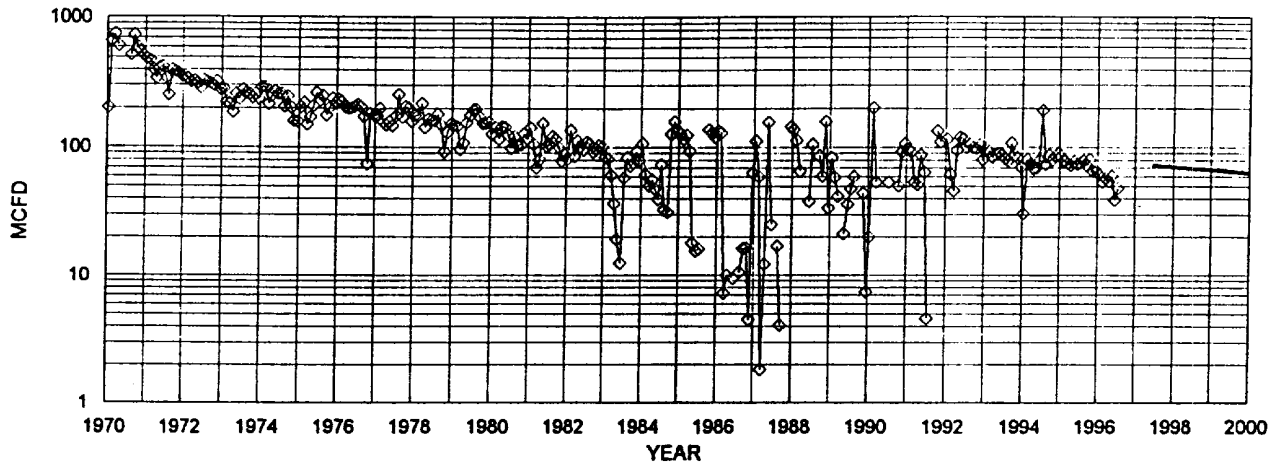
NORMALIZED CHACRA PRODUCTION
13 WELLS SINCE 1980; OFFSET TO JICARILLA K-LEASE; 25N-5W



— FIT MCFD □ NORMALIZED MCFD ▴ NORM CUM MCFD
▴ WELLS ON PRODUCTION — FIT CUM MMCF

NORMALIZED AVG:	
321 MMCF EUR	130 MCFD IP
251 MMCF IN 20 YRS	60.0% DECLINE, 1ST 12 MONTHS
15 MCFD E.L.	20.0% DECLINE, NEXT 12 MONTHS
0.00 BBL/MCF OIL YIEL	3.5% FINAL DECLINE

**JICARILLA K 11 DAKOTA PRODUCTION
SECTION 2E-25N-05W**



◇ DAKOTA MCFD — FIT MCFD

DAKOTA HISTORICAL DATA:		1ST PROD: 1/70	DAKOTA PROJECTED DATA	
OIL CUM:	12.89	MBO	6/1/97 Qi:	73 MCFD
GAS CUM:	1353.1	MMCF	DECLINE RATE:	5.0% (EXPONENTIAL)
CUM OIL YIELD	0.0095	BBL/MCF		
OIL YIELD:	0.0023	BBL/MCF, LAST 3 YRS		
AVG. USED:	0.0059	BBL/MCF		

PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

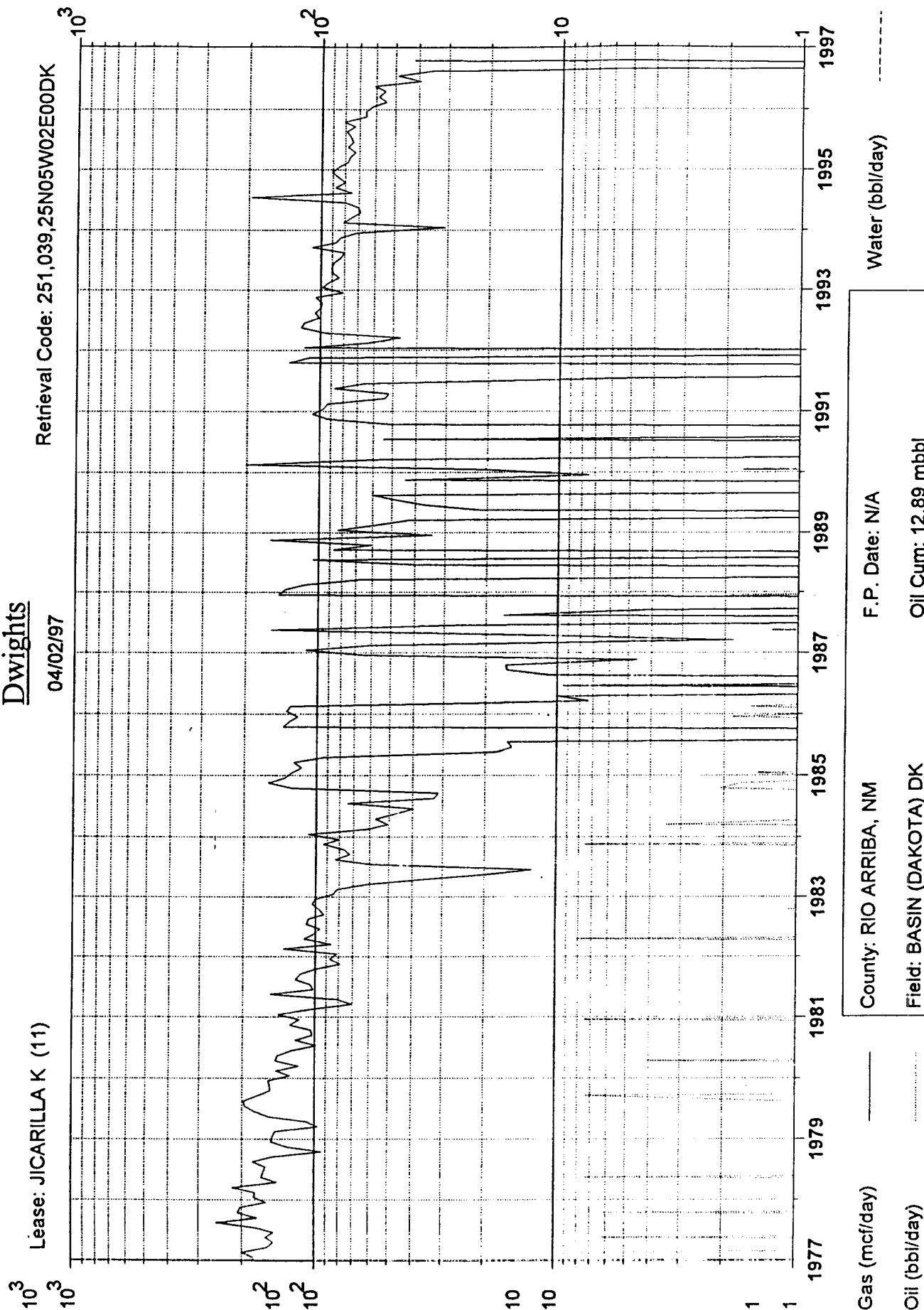
YEAR	MID-YEAR AVG. MCFD	MID-YEAR AVG. BOPD
1996	72	0.4
1997	69	0.4
1998	65	0.4
1999	62	0.4
2000	59	0.3
2001	56	0.3
2002	53	0.3
2003	51	0.3
2004	48	0.3
2005	46	0.3
2006	43	0.3
2007	41	0.2
2008	39	0.2
2009	37	0.2
2010	35	0.2
2011	34	0.2
2012	32	0.2
2013	30	0.2
2014	29	0.2
2015	27	0.2
2016	26	0.2
2017	25	0.1
2018	23	0.1
2019	22	0.1
2020	21	0.1
2021	20	0.1
2022	19	0.1
2023	18	0.1
2024	17	0.1
2025	16	0.1
2026	16	0.1
2027	15	0.1
2028	14	0.1
2029	13	0.1
2030	13	0.1

Dwights

Lease: JICARILLA K (11)

Retrieval Code: 251,039,25N05W02E00DK

04/02/97



Gas (mcf/day)

Oil (bbl/day)

County: RIO ARRIBA, NM

Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

Operator: CONOCO INC

F.P. Date: N/A

Oil Cum: 12.89 mbbl

Gas Cum: 1353 mmcf

Location: 2E 25N 5W

Water (bbl/day)

JICARILLA K #11
OFFSET OPERATORS

MARATHON OIL CO

BURLINGTON RESOURCES

BURLINGTON RESOURCES
UNION TEXAS PETR.

34

35

36

T26N R5W

AMOCO PROD.

T25N R5W

CONOCO, INC.
MERIT ENERGY CORP.

CONOCO, INC.

3

1

AMOCO PROD.

CONOCO, INC.
MERIT ENERGY CORP.

CONOCO, INC.

10

11

12

Township 25N — Range 5W

Conoco, Inc.
Form C-107-A, Application for Downhole Commingling
Filing date: June 13, 1997

Offset Operators for Wells as listed below:

Jicarilla K, Well #11
Marathon Oil Co.
Burlington Resources
Amoco Production Co.

Jicarilla K, Well #17
Burlington Resources
Amoco Production

Jicarilla K, Well #16
Burlington Resources
Amoco Production

Newsom, Well #17E
Amoco Production
Snyder Oil Co.
Robert R. Click

Jicarilla K, Well #15E
Burlington Resources

Jicarilla E, Well #10
Burlington Resources

Jicarilla E, Well #12
Burlington Resources

Federal, Well #13E
Burlington Resources
Caulkins Oil Co.

AXI Apache J, Well #18A
Amoco Production
Elm Ridge Resources

Federal, Well #11E
Caulkins Oil Co.
Amoco Production
Burlington Resources

Reames COM, Well #2
Caulkins Oil Co.
Burlington Resources