

DATE IN 1/11/00	SUSPENSE 1/31/00	ENGINEER DC	LOGGED BY MW	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

2611

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]

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

[A] Location - Spacing Unit - Directional Drilling

☐ NSL ☐ NSP ☐ DD ☐ SD

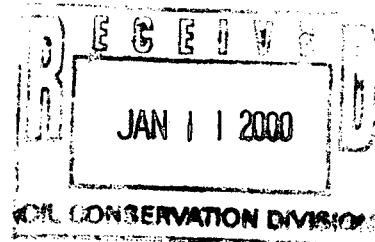
Check One Only for [B] and [C]

[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.

Deborah Moore (281) 293-1005
Print or Type Name

Signature

Deborah Moore

Regulatory Analyst
Title

1/7/00
Date

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

X YES ___ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Conoco Inc.

P.O. Box 2197 Houston, TX 77252-2197

Operator Jicarilla E Address C, Sec. 15, T27N, R4W Rio Arriba
Lease Well No. 8 Unit Ltr. - Sec - Twp - Rge County
OGRID NO. 005073 Property Code 18022 API NO. 30-039-20080 Spacing Unit Lease Types: (check 1 or more)
Federal X, 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 Mesaverde 72319	Wildhorse Gallup 87360	Basin Dakota 71599
2. Top and Bottom of Pay Section (Perforations)	5588 – 5758	7168 – 7182	7648 – 7692
3. Type of production (Oil or Gas)	Gas	Gas	Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing	Flowing	Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 578	a. 310	a. 605
	b. (Original) 1468	b. 1820	b. 2675
6. Oil Gravity (EAPI) or Gas BTU Content	1300	1260	1315
7. Producing or Shut-In?	Producing	Producing	Producing
Production Marginal? (yes or no) * 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)	No	No	No
	Date: Rates:	Date: Rates:	Date: Rates:
	Date: Est. 10/99 Rates: 41 mcf/d, 0.1 bopd, 1 bwpd	Date: Est. 10/99 Rates: 123 mcf/d, 0.4 bopd, 0 bwpd	Date: Est. 10/99 Rates: 79 mcf/d, 0.4 bopd, 0 bwpd
8. Fixed Percentage Allocation Formula - % for each zone (total of %'s to equal 100%)	Oil: 15 % Gas: 2 %	Oil: 54 % Gas: 32 %	Oil: 31 % Gas: 66 %

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? X Yes ___ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ___ Yes ___ No

11. Will cross-flow occur? X 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. X Yes ___ No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each other? X Yes ___ No

13. Will the value of production be decreased by commingling? ___ Yes X 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. X Yes ___ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S).

16. ATTACHMENTS:

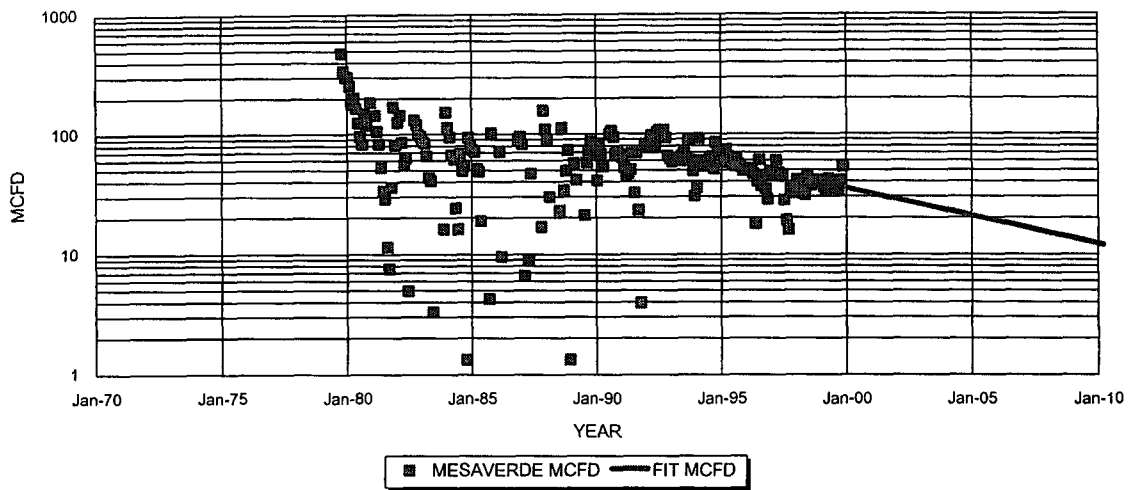
- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation 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 Deborah Moore TITLE Regulatory Analyst DATE 1/7/00

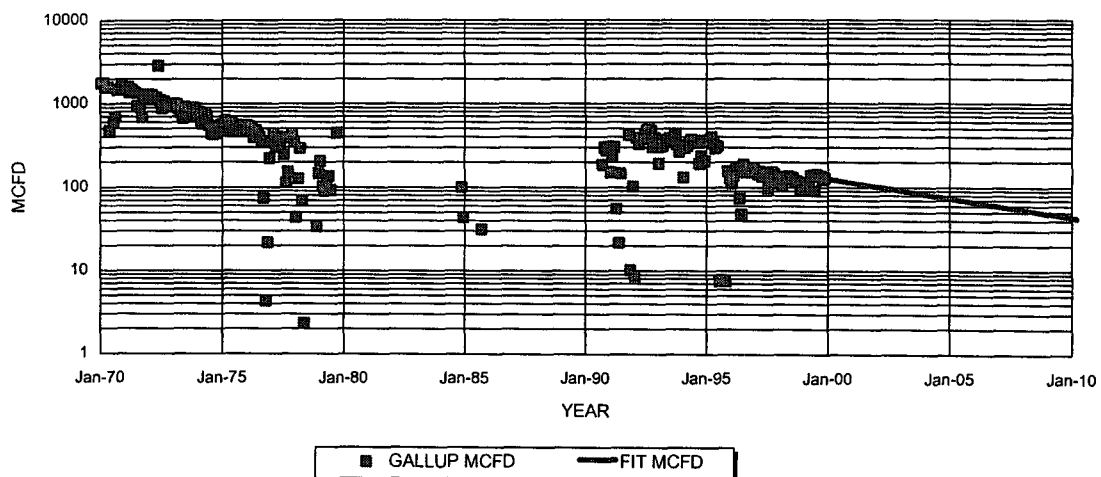
TYPE OR PRINT NAME Deborah Moore TELEPHONE NO. (281) 293-1005

**JICARILLA E-8 MESAVERDE PRODUCTION
SECTION 15C-26N-04W, RIO ARRIBA COUNTY, NEW MEXICO**



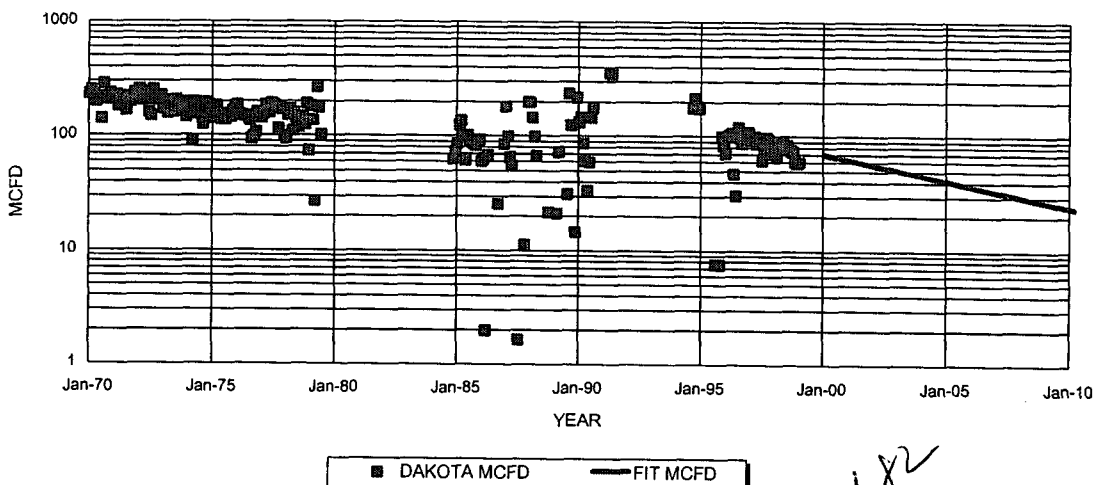
MESAVERDE HISTORICAL DATA:		1ST PROD: 10/79	MESAVERDE PROJECTED DATA	
OIL CUM:	0.53	MBO	1/1/2000 Q1:	35 MCFD
GAS CUM:	438.2	MMCF	DECLINE RATE:	10.0% (EXPONENTIAL)
OIL YIELD:	0.0012	BBL/MCF		

**JICARILLA E-8 GALLUP PRODUCTION
SECTION 15C-26N-04W, RIO ARRIBA COUNTY, NEW MEXICO**



GALLUP HISTORICAL DATA:		1ST PROD: 03/68	GALLUP PROJECTED DATA	
OIL CUM:	24.4	MBO	1/1/2000 Q1:	125 MCFD
GAS CUM:	3472.4	MMCF	DECLINE RATE:	10.0% (EXPONENTIAL)
OIL YIELD:	0.007	BBL/MCF		

**JICARILLA E-8 DAKOTA PRODUCTION
SECTION 15C-26N-04W, RIO ARRIBA COUNTY, NEW MEXICO**



DAKOTA HISTORICAL DATA:		1ST PROD: 03/68	DAKOTA PROJECTED DATA	
OIL CUM:	27.9	MBO	1/1/2000 Q1:	70 MCFD
GAS CUM:	1075.6	MMCF	DECLINE RATE:	10.0% (EXPONENTIAL)
OIL YIELD:	0.026	BBL/MCF		

FIXED TRIMMINGLE ALLOCATION FACTORS:		
	GAS	OIL
MESAVERDE	15%	2%
GALLUP	54%	32%
DAKOTA	31%	66%

NOTES: W1, R1 & ORR1 ARE IDENTICAL IN ALL ZONES.
ALL PRODUCTION DATA FROM DWIGHTS ENERGY DATA

District I
1625 N. French Dr., Hobbs, NM 88240

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

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe. NM 87505

Form C-102
Revised March 17, 1999

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-20080	² Pool Code 72319 / 87360 / 71599	³ Pool Name Blanco Mesaverde, Wildhorse Gallup, Basin Dakota
⁴ Property Code 18022	⁵ Property Name Jicarilla E	⁶ Well Number 8
⁷ OGRID No. 005073	⁸ Operator Name Conoco Inc.	⁹ Elevation

¹⁰ Surface Location

UL or lot no. C	Section 15	Township 27N 26E	Range 4W	Lot Idn	Feet from the 1190	North/South line North	Feet from the 1480	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
¹² Dedicated Acres 80/160	¹³ Joint or Infill I	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

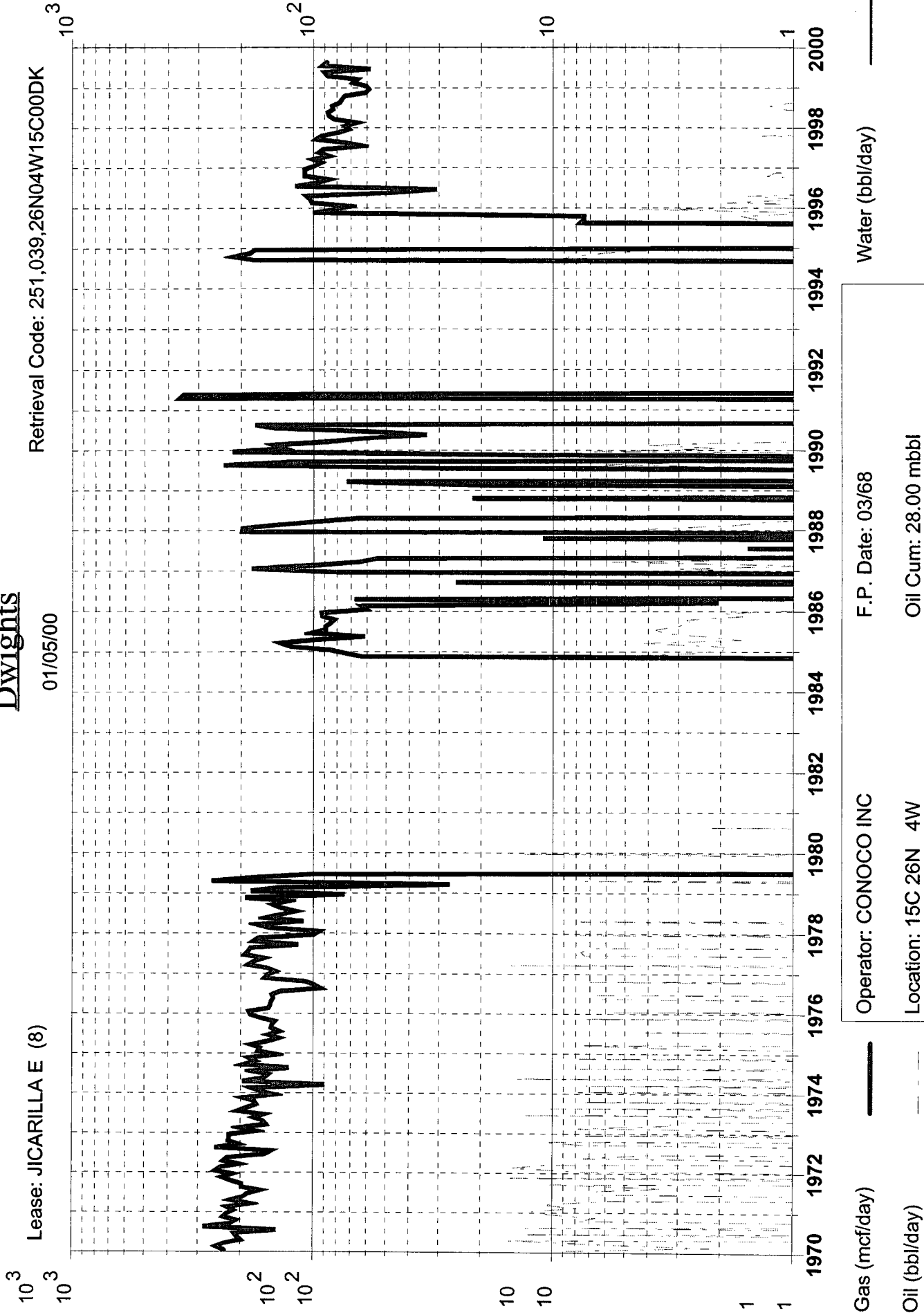
	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>
	Signature
	Printed Name Deborah Moore
	Title Regulatory Analyst
	Date 1/7/00
	¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown 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
	Signature and Seal of Professional Surveyer:
	Certificate Number

Dwights

Lease: JICARILLA E (8)

Retrieval Code: 251,039,26N04W15C00DK

01/05/00



Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

F.P. Date: 03/68

Oil Cum: 28.00 mbbl

Gas Cum: 1092 mmcf

L.P. Date: 08/99

Operator: CONOCO INC

Location: 15C 26N 4W

Field: BASIN (DAKOTA) DK

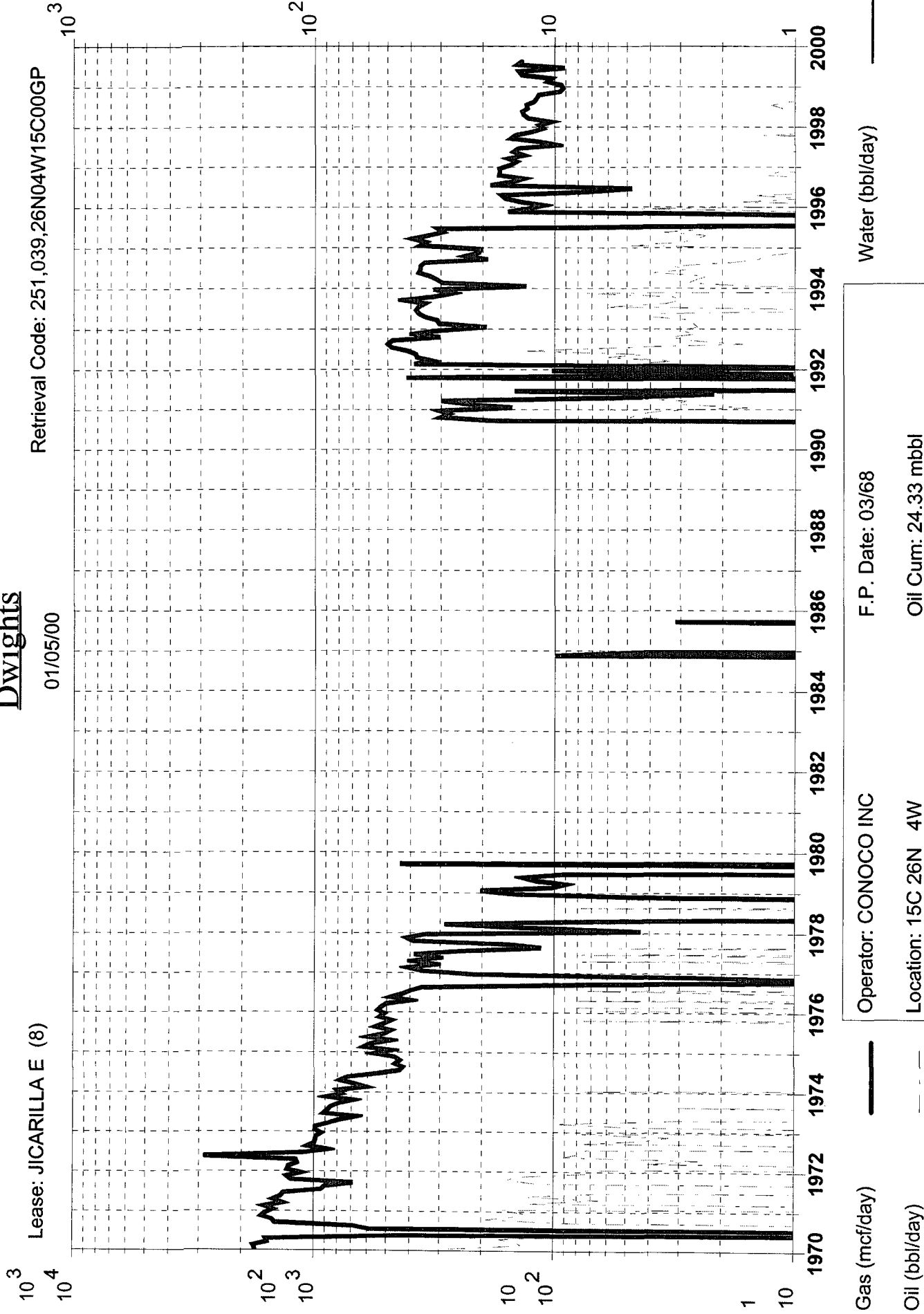
Reservoir: DAKOTA

Dwights

Lease: JICARILLA E (8)

Retrieval Code: 251,039,26N04W15C00GP

01/05/00



Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

Operator: CONOCO INC

F.P. Date: 03/68

Location: 15C 26N 4W

Oil Cum: 24.33 mbbl

Field: WILD HORSE (GALLUP) GP

Gas Cum: 3465 mmcf

Reservoir: GALLUP

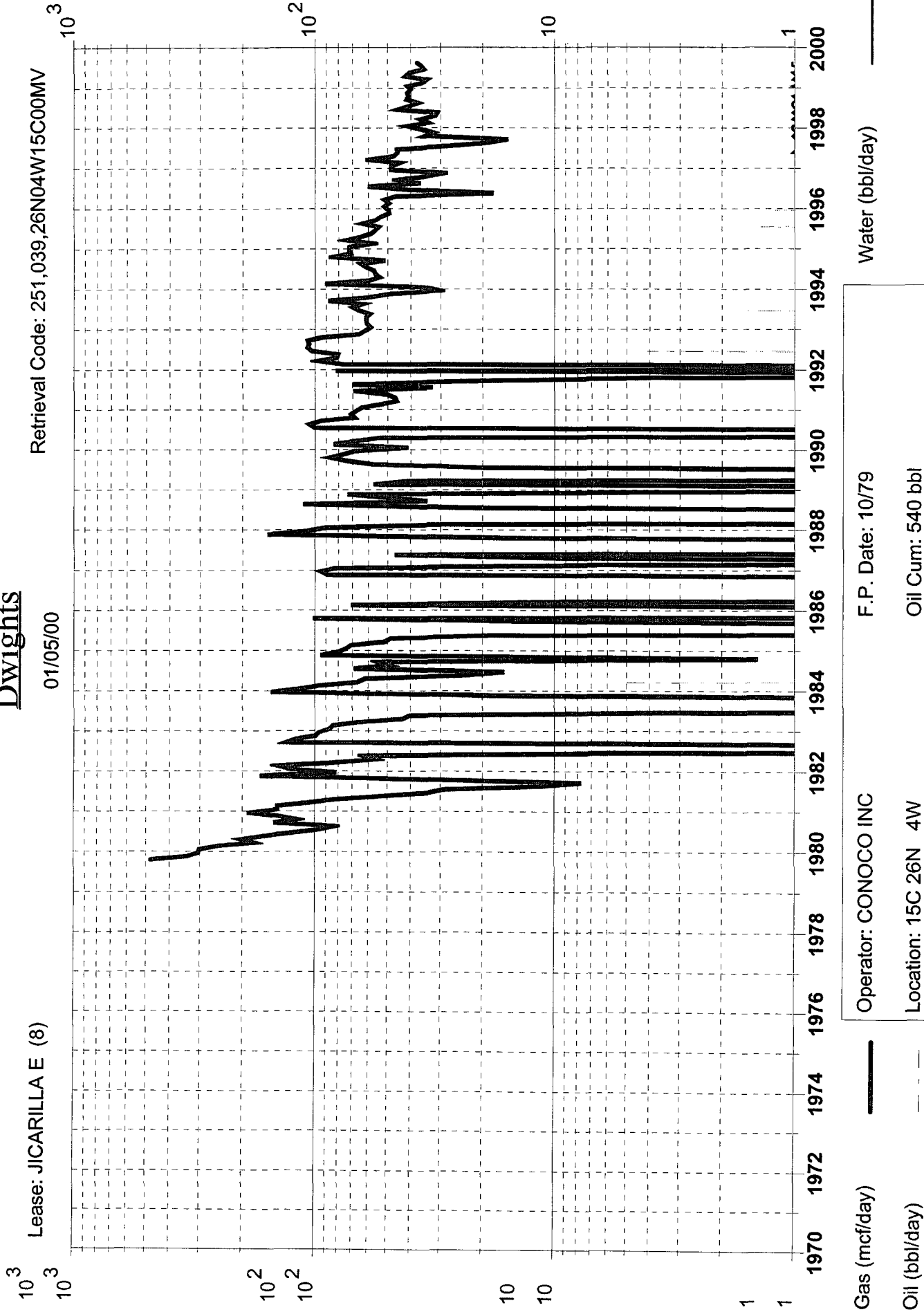
L.P. Date: 08/99

Dwights

Lease: JICARILLA E (8)

Retrieval Code: 251,039,26N04W15C00MV

01/05/00



Operator: CONOCO INC F.P. Date: 10/79

Location: 15C 26N 4W Oil Cum: 540 bbl

Field: BLANCO (MESAVERDE) MV Gas Cum: 434.4 mmcf

Reservoir: MESAVERDE L.P. Date: 08/99