

DATE IN 10/12/99	SUSPENSE 11/1/99	ENGINEER DC	LOGGED BY RV	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

2505

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

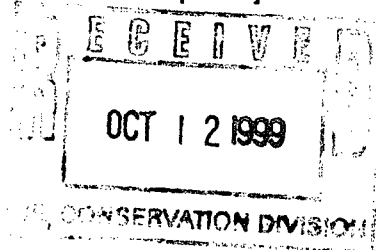
Check One Only for [B] and [C]

[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) 293-1095
 Print or Type Name

Signature

Title

Regulatory Analyst

Date

10/8/99

DISTRICT I

1629 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

APPLICATION FOR DOWNHOLE COMMINGLING

Form C-107-A
Revised March 17, 1999

APPROVAL PROCESS:

☐ X Administrative
☐ Hearing

EXISTING WELLBORE

☐ YES ☐ NO

Conoco Inc.

P.O. Box 2197 DU 3066 Houston, TX 77252-2197

Operator

State Com Q

#13A

Address

J. Sec. 36, T-29N, R-8W

San Juan

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County
Spacing Unit Lease Types: (check 1 or more)OGRID NO. 005073 Property Code 003277 API NO. 30-045-22586 Federal ☐ , State ☒ X (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 P.C. South 72359		Blanco Mesaverde 72319
2. Top and Bottom of Pay Section (Perforations)	3076' - 3104'		4696' - 5611'
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: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 565 b. (Original) 1156	a. b.	a. 625 b. 1005
6. Oil Gravity (EAPI) or Gas BTU Content	1229		1248
7. Producing or Shut-In?	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 Date: Rates: Date: Rates: April-May 99 Avg = 33 mcf/d	No Date: Rates: Date: Rates:	No Date: Rates: Date: Rates: April-May 99 Avg = 200 mcf/d
8. Fixed Percentage Allocation Formula - % for each zone (total of %s to equal 100%)	Oil: 2 % Gas: 17 %	Oil: % Gas: %	Oil: 98 % Gas: 83 %

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 Deborah Moore TITLE Regulatory Analyst DATE 08/12/99TYPE OR PRINT NAME Deborah Moore TELEPHONE NO. (281) 293-1005

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised March 25, 1999

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

WELL API NO. 30-045-22586
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B 11183
7. Lease Name or Unit Agreement Name: State Com Q
8. Well No. 13A
8. Pool name or Wildcat Blanco Pictured Cliffs, Blanco Mesaverde

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator Conoco Inc.	
3. Address of Operator P.O. Box 2197 DU 3066 Houston, TX 77252-2197	
4. Well Location Unit Letter <u>J</u> <u>1500</u> feet from the <u>South</u> line and <u>1450</u> feet from the <u>East</u> line Section <u>36</u> Township <u>29N</u> Range <u>8W</u> NMPM County <u>San Juan</u>	
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 6417 GRD.	

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

- PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐
OTHER: Downhole commingle ☐

SUBSEQUENT REPORT OF:

- REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

It is proposed to downhole commingle this well in the Blanco Pictured Cliffs and Blanco Mesaverde as per attached procedure.

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 10/04/99

Type or print name Deborah Moore

Telephone No. 281 293-1005

(This space for State use)

APPROVED BY _____ TITLE _____ DATE _____

Conditions of approval, if any:

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 30-045-22586	² Pool Code 72359 - 72319	³ Pool Name Blanco Pictured Cliffs / Blanco Mesaverde
⁴ Property Code 003277	⁵ Property Name State Com Q	⁶ Well Number 13A
⁷ OGRID No. 005073	⁸ Operator Name Conoco Inc.	⁹ Elevation 6417

¹⁰ Surface Location

UL or lot no. J	Section 36	Township 29N	Range 8W	Lot Idn	Feet from the 1500'	North/South line South	Feet from the 1450'	East/West line East	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 160/320	¹³ Joint or Infill Y	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>Deborah Moore</u> Printed Name Deborah Moore Title Regulatory Analyst Date 10/06/99
				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

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator MESA PETROLEUM COMPANY			Lease STATE COMM. "Q"		Well No. 13 A
Unit Letter J	Section 36	Township 29 NORTH	Range 8 WEST	County SAN JUAN	
Actual Footage Location of Well: 1500 feet from the SOUTH line and 1450 feet from the EAST line					
Ground Level Elev. 6417	Producing Formation Mesaverde		Pool Blanco-Mesaverde		Dedicated Acreage: 160 PC Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below. **(320 MV)**
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?

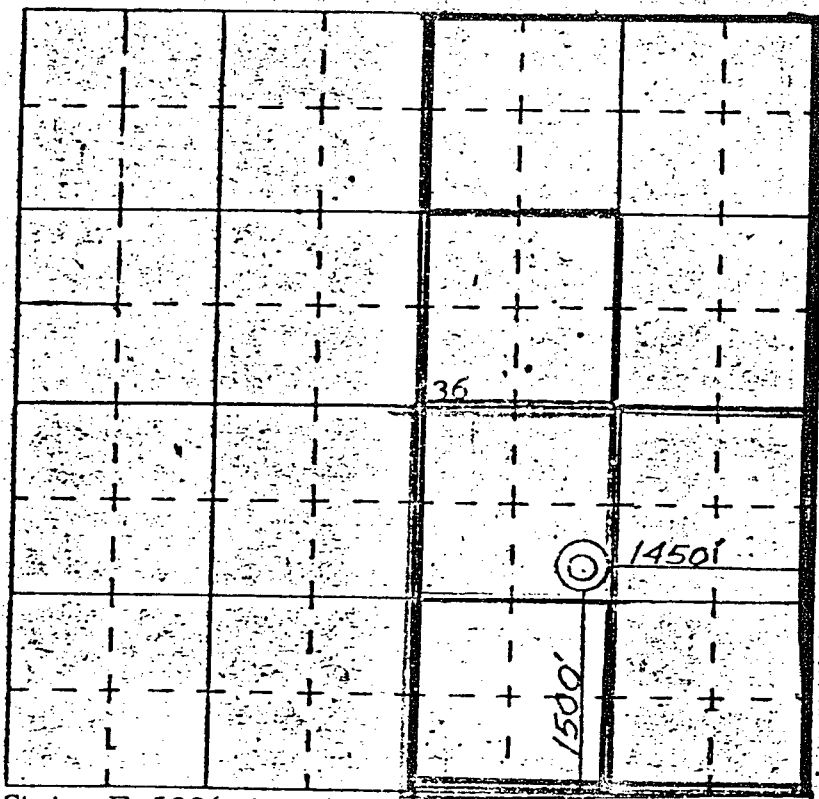
(x) Yes () No If answer is "yes," type of consolidation Communitized

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.

State E-3149 SW/4 NE/4 & E/2 SE/4 (Texaco, Inc.)

State E-1202 NW/4 SE/4 (EPNG)



CERTIFICATION

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

S.E. Dobler
 Name

S.E. Dobler

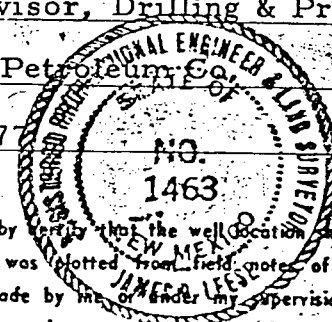
Position

Supervisor, Drilling & Prod.
 Company

Mesa Petroleum Co.

Date

2/21/77



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.

26 January 1977

Date Surveyed

James P. Leese
 Registered Professional Engineer
 and/or Land Surveyor James P. Leese

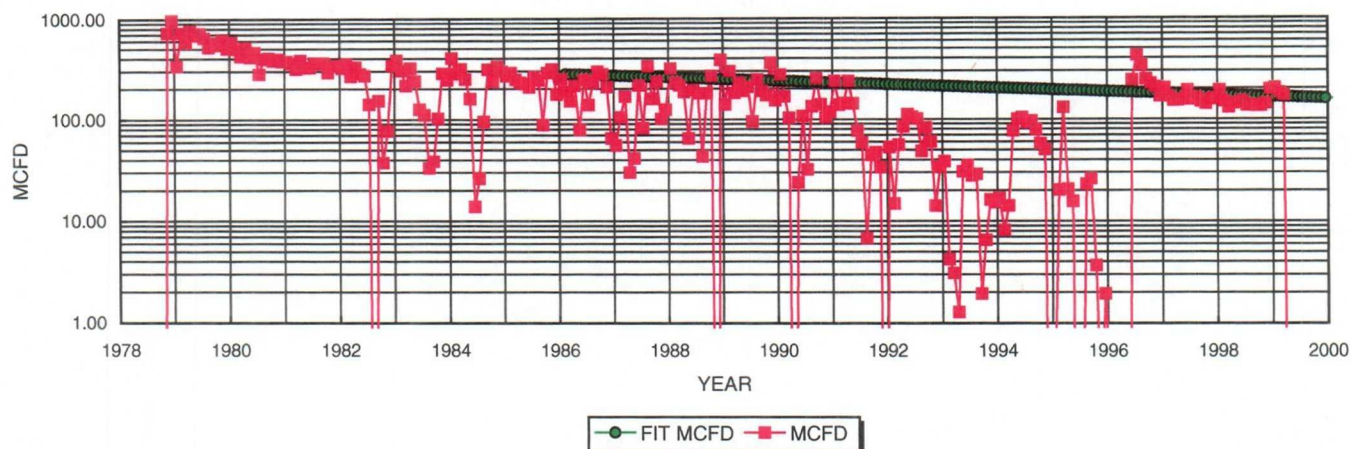
1463

State E-5226-1 N/2 NE/4 & SE/4 NE/4 (Mesa)

B-11183-45 SW/4 SE/4 (Mesa)

Certificate No.

**STATE COM Q #13A MESAVERDE PRODUCTION
SECTION 36S-29N-08W**



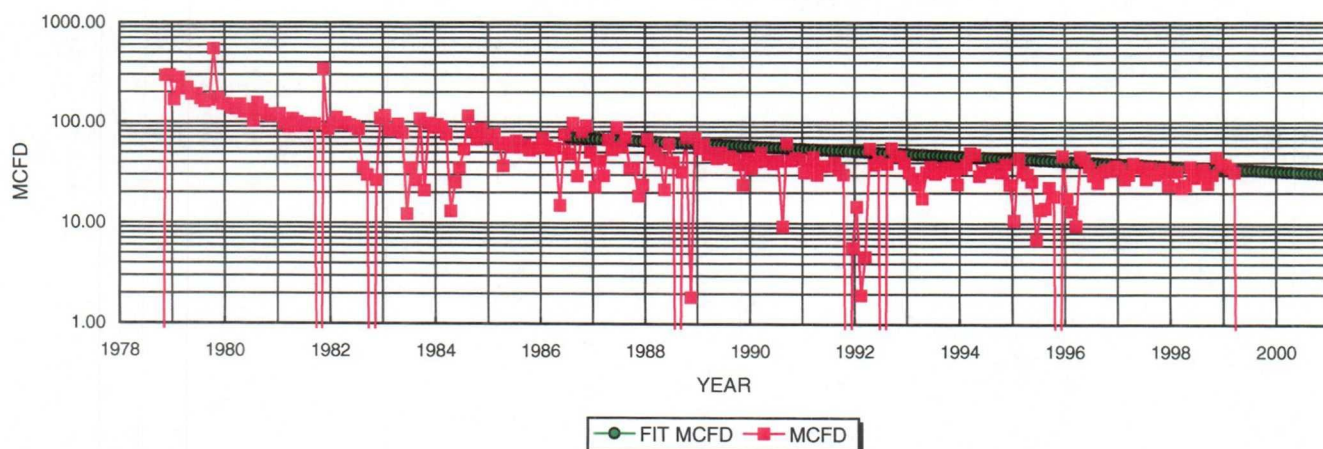
MESAVERDE HISTORICAL DATA:

1ST PROD: 10/78
OIL CUM: 8.50 MBO
GAS CUM: 1464.8 MMCF
OIL YIELD: 0.0058 BBL/MCF

MESAVERDE PROJECTED DATA:

09/01/99 Qi: 169 MCFD
DECLINE RATE: 4.0% (EXPONENTIAL)

**STATE COM Q #13A PICTURED CLIFFS PRODUCTION
SECTION 36S-29N-08W**



PICTURED CLIFFS HISTORICAL DATA:

1ST PROD: 10/78
OIL CUM: 0.2 MBO
GAS CUM: 461.5 MMCF
OIL YIELD: 0.0005 BBL/MCF

PICTURED CLIFFS PROJECTED DATA:

09/01/99 Qi: 36 MCFD
DECLINE RATE: 5.5% (EXPONENTIAL)

FIXED COMMINGLE ALLOCATION FACTORS:

	GAS	OIL
MESAVERDE	83%	98%
PICTURED CLIFFS	17%	2%

API # 30-045-22586

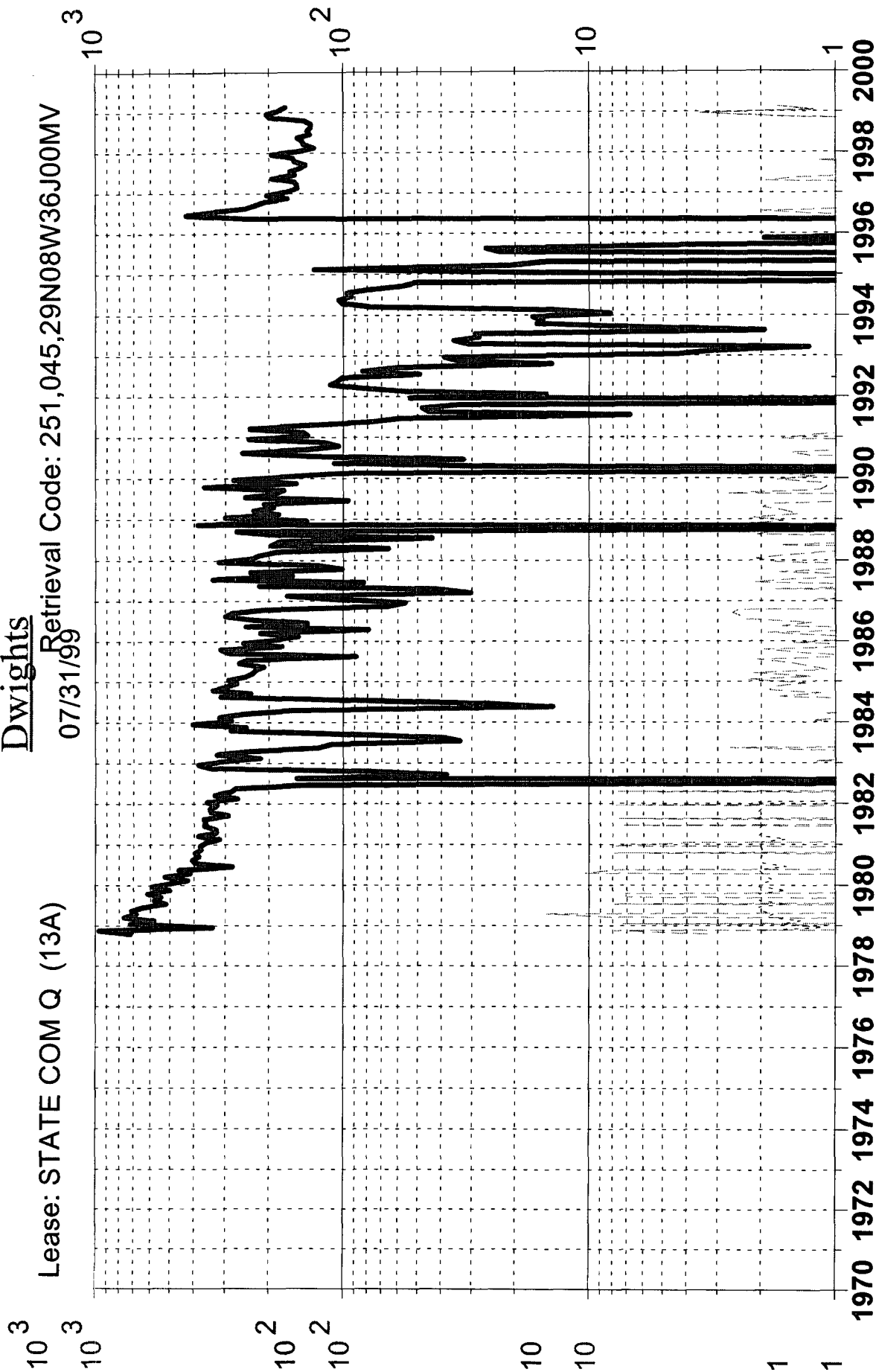
GAS ALLOCATION BASED ON PROJECTED 1999 RATES

OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS

NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGY DATA

Dwights

Lease: STATE COM Q (13A)
Retrieval Code: 251,045,29N08W36J00MV
07/31/99



Oil (bbl/day)

Water (bbl/day)

Operator: CONOCO INC

Location: 36J 29N 8W

Lower Perf: 5611 ft

Upper Perf: 4696 ft

F.P. Date: 10/78

Oil Cum: 8496 bbl

Gas Cum: 1465 mmcf

L.P. Date: 02/99

Gas (mcf/day)

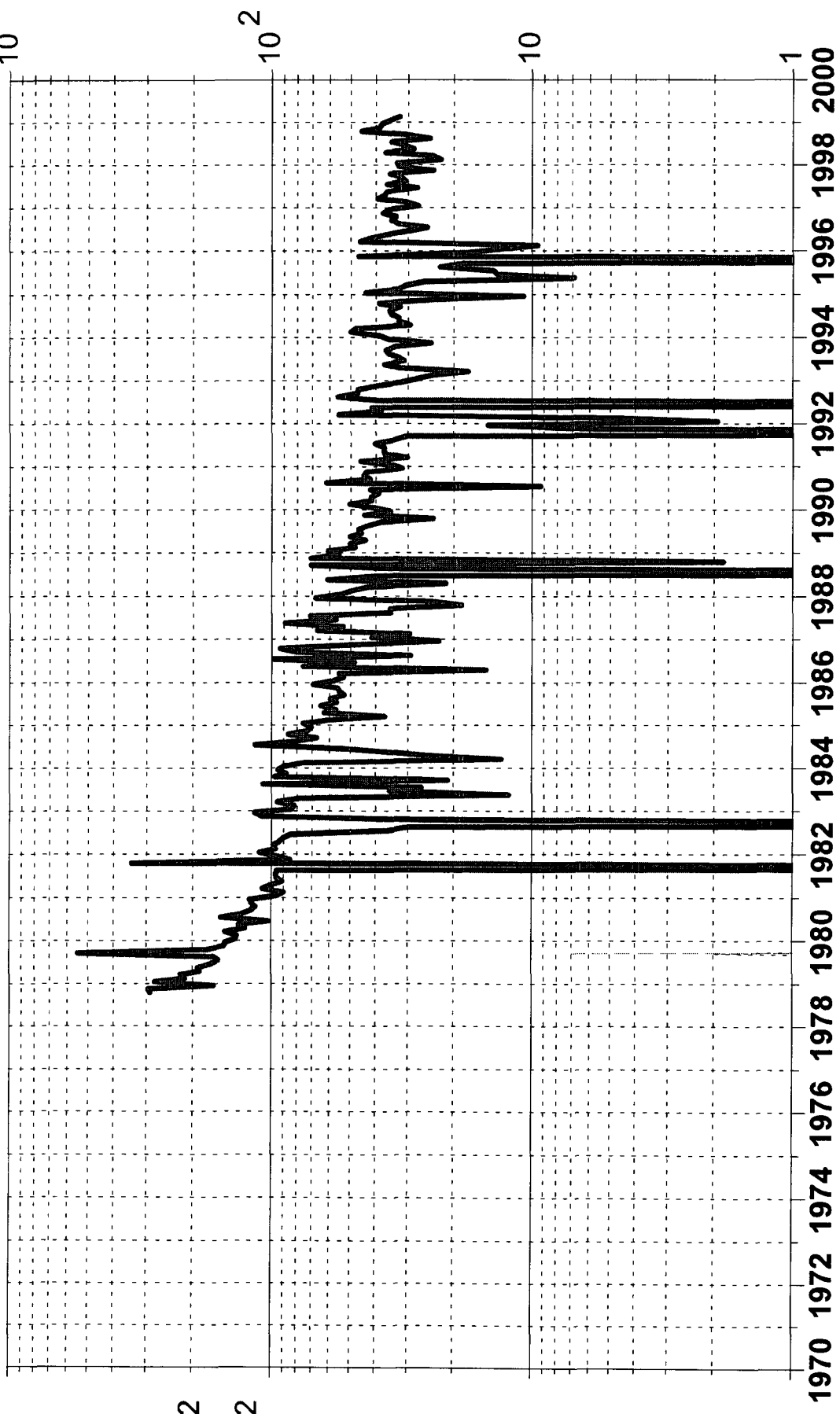
10³
10³

Dwights

Lease: STATE COM Q (13A)

Retrieval Code: 251,045,29N08W36J00PC
07/31/99

10³



Oil (bbl/day)

Water (bbl/day)

Gas (mcf/day)

Operator: CONOCO INC

F.P. Date: 10/78

Location: 36J 29N 8W

Oil Cum: 245 bbl

Lower Perf: 3104 ft

Gas Cum: 461.5 mmcf

Upper Perf: 3076 ft

L.P. Date: 02/99