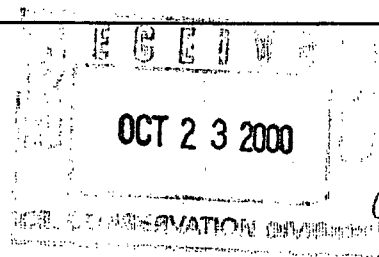


29856565 DHC 11/13/00

THUNDERBOLT PETROLEUM

P.O. BOX 10523 MIDLAND, TX 79702 PHONE (915) 682-1251

October 20, 2000



To Whom it May Concern:

Please find enclosed a Form C-107A to co-mingle the Yates formation with the Grayburg formation in our Calmon #2 well located in 16L-18S-29E, Eddy County. I am sending two copies of this data to the Artesia field office and two copies to the Santa Fe office.

There is not a historical production curve for the Yates zone because we have just completed it. I have made an estimate of the future rates based on two offset Yates wells. Those curves are also included in this package.

As soon as I receive permission to co-mingle these zones I expect to pull the plug separating them. Thank you for your assistance in this matter.

Sincerely,

Robert Lee

District I
1633 N. French Drive, Hobbs, NM 88240

District II

811 South First Street, Artesia, NM 88210

District III

1000 Rio Brazos Road, Acton, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87505

APPLICATION FOR DOWNHOLE COMMINGLING

Form C-107A
Revised May 15, 2000

APPLICATION TYPE

☒ Single Well

☐ Establish Pre-Approved Pools

EXISTING WELLBORE

☒ Yes ☐ No

Thunder Bolt Petroleum P.O. Box 10523 Midland, TX 79702

Operator: Calmon #2 Address: L-16-18S-29E Eddy
Lease: Well No. Unit Letter-Section-Township-Range County

OGRID No. 160017 Property Code 023593 API No. 30-015-25693 Lease Type: ☐ Federal ☒ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Und Travis-Pate		Loco Hills Qu. Ob SA
Pool Code	86420		39520
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	1059-1115		2228-2558
Method of Production (Flowing or Artificial Lift)	Pumping		Pumping
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	665 BTU -		38°
Producing, Shut-In or New Zone	New Zone		Producing
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: 10/06 Rates: 0 BOPD 75 MCF 5 BW	Date: Rates:	Date: 9/00 Rates: 130 BOPD OBW 3 MCFPD
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil 0 % Gas 96 %	Oil % Gas %	Oil 100 % Gas 4 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones?
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?

Yes ☒ No ☐
Yes ☐ No ☐

Are all produced fluids from all commingled zones compatible with each other?

Yes ☒ No ☐

Will commingling decrease the value of production?

Yes ☐ No ☒

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?

Yes ☐ No ☒

NMOCD Reference Case No. applicable to this well: _____

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.

District I
PO Box 1988, Hobbs, NM 88241-1988
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 10, 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 80-15-25693	Pool Code 86420	Pool Name Travilla
Property Code 023593	Property Name Calmon	Well Number 2
OGRID No. 160017	Operator Name Thunderbolt Petroleum	Elevation

10 Surface Location

UL or lot no. L	Section 16	Township 18S	Range 29E	Lot Idn	Feet from the 1650	North/South Line South	Feet from the 330	East/West Line West	County Eddy
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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 Dedications 40	13 Acres N	14 Joint or Infill	15 Consolidation Code	16 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

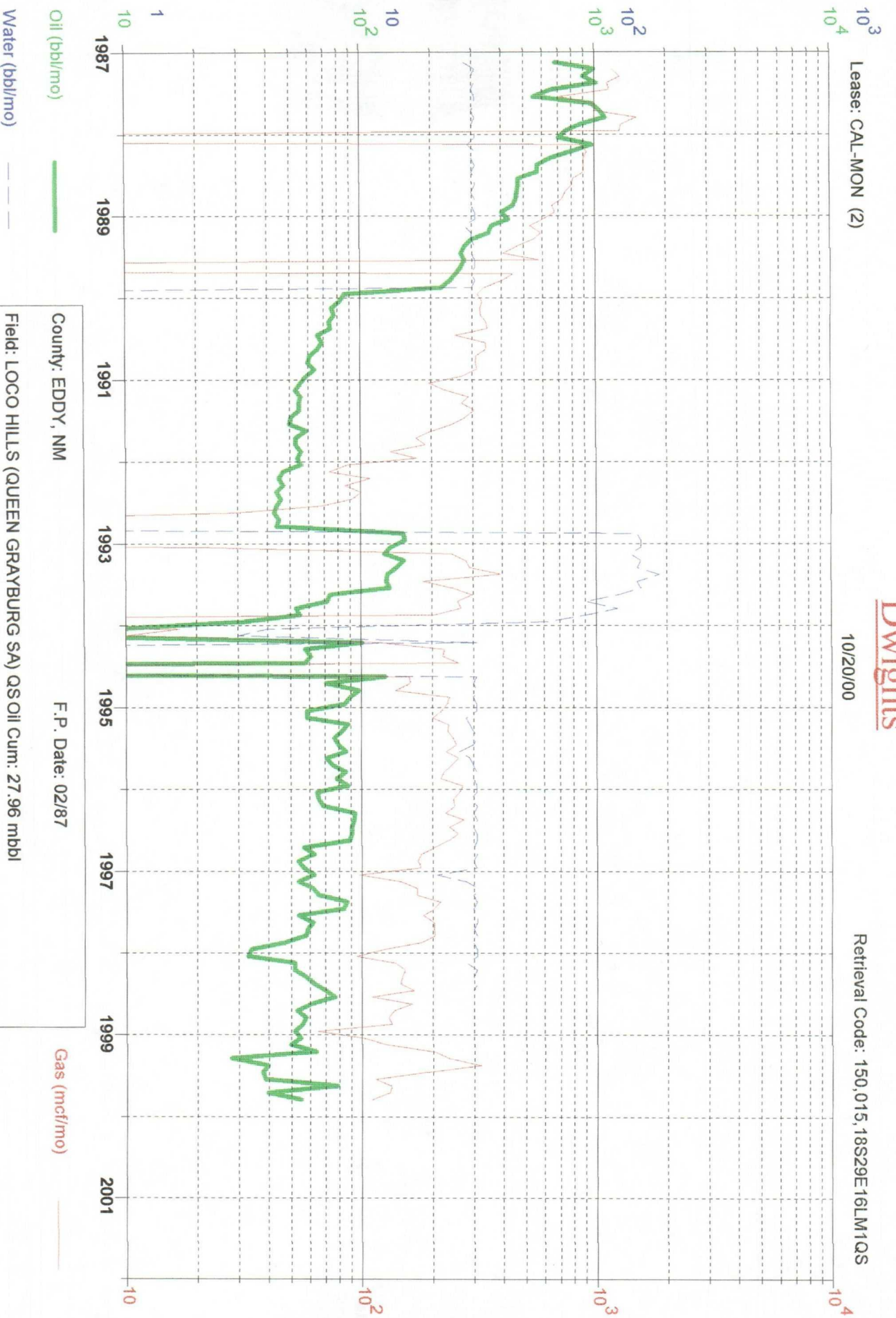
16 330 → 0 ↑ 1650	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Robert Lee Signature Robert Lee Printed Name President Title 10/10/00 Date			
	18 SURVEYOR CERTIFICATION I hereby certify that the well location 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			

Dwights

Lease: CAL-MON (2)

10/20/00

Retrieval Code: 150.015.18S29E16LM1QS



County: EDDY, NM

F.P. Date: 02/87

Field: LOCO HILLS (QUEEN GRAYBURG SA) QS Oil Cum: 27.96 mbbl

Reservoir: QUEEN GRAYBURG SA

Gas Cum: 48.35 mmcf

Operator: THUNDERBOLT PETR CO LLC

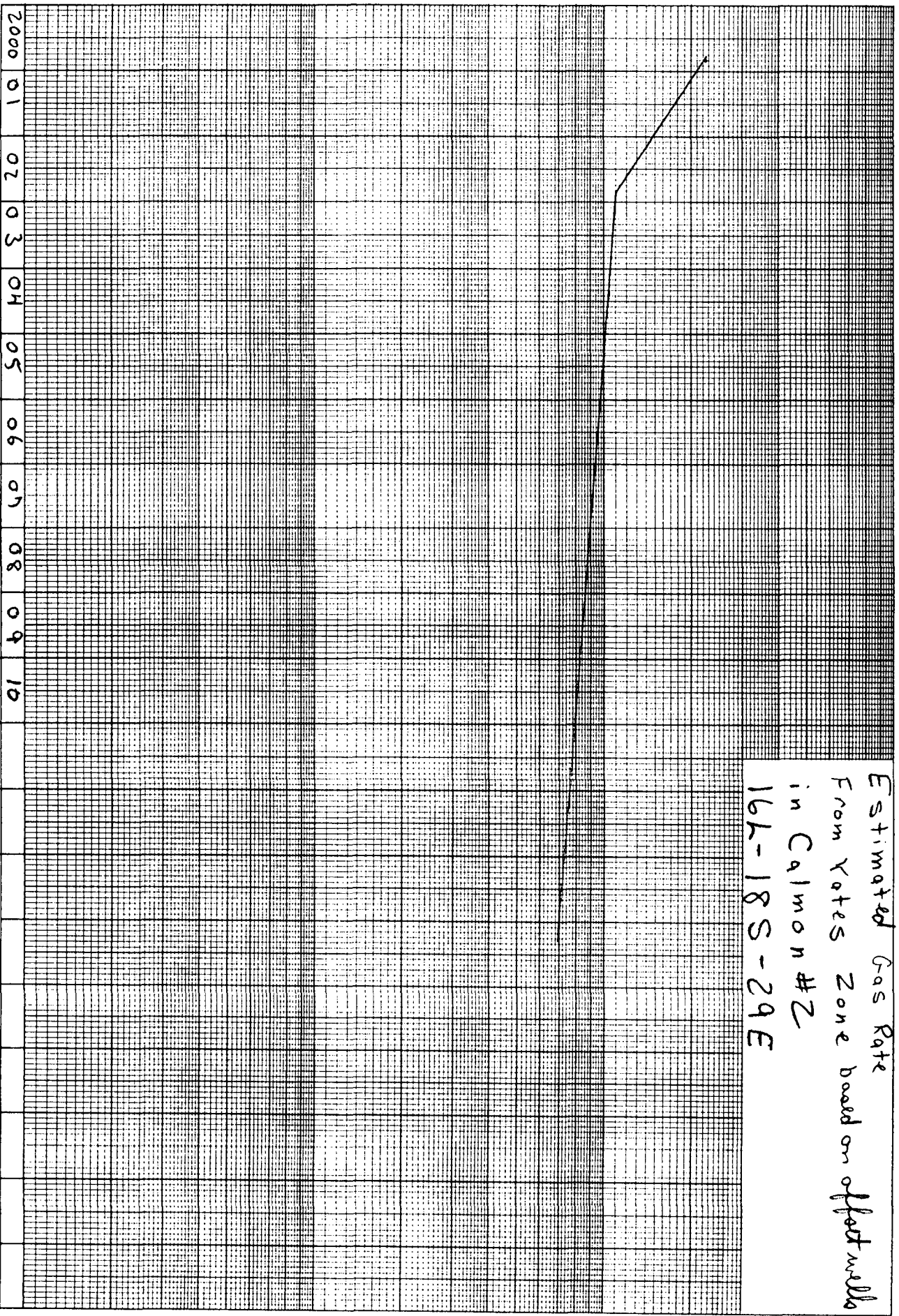
Location: 16L 18S 29E

MC FPM

1000

100

Estimated Gas Rate
From Yates Zone based on offset wells
in Calmon #2
16L-18S-29E



Oil	_____
Gas	_____
Water	_____
Wells	_____

Field: TRAVIS
 Lease: DEPCO FEDERAL | Well #1
 Operator: YATES HARVEY E COMPANY
 Production Rate vs Time
 For the Period 01/1979 to 12/1996 | API: 30015227510000

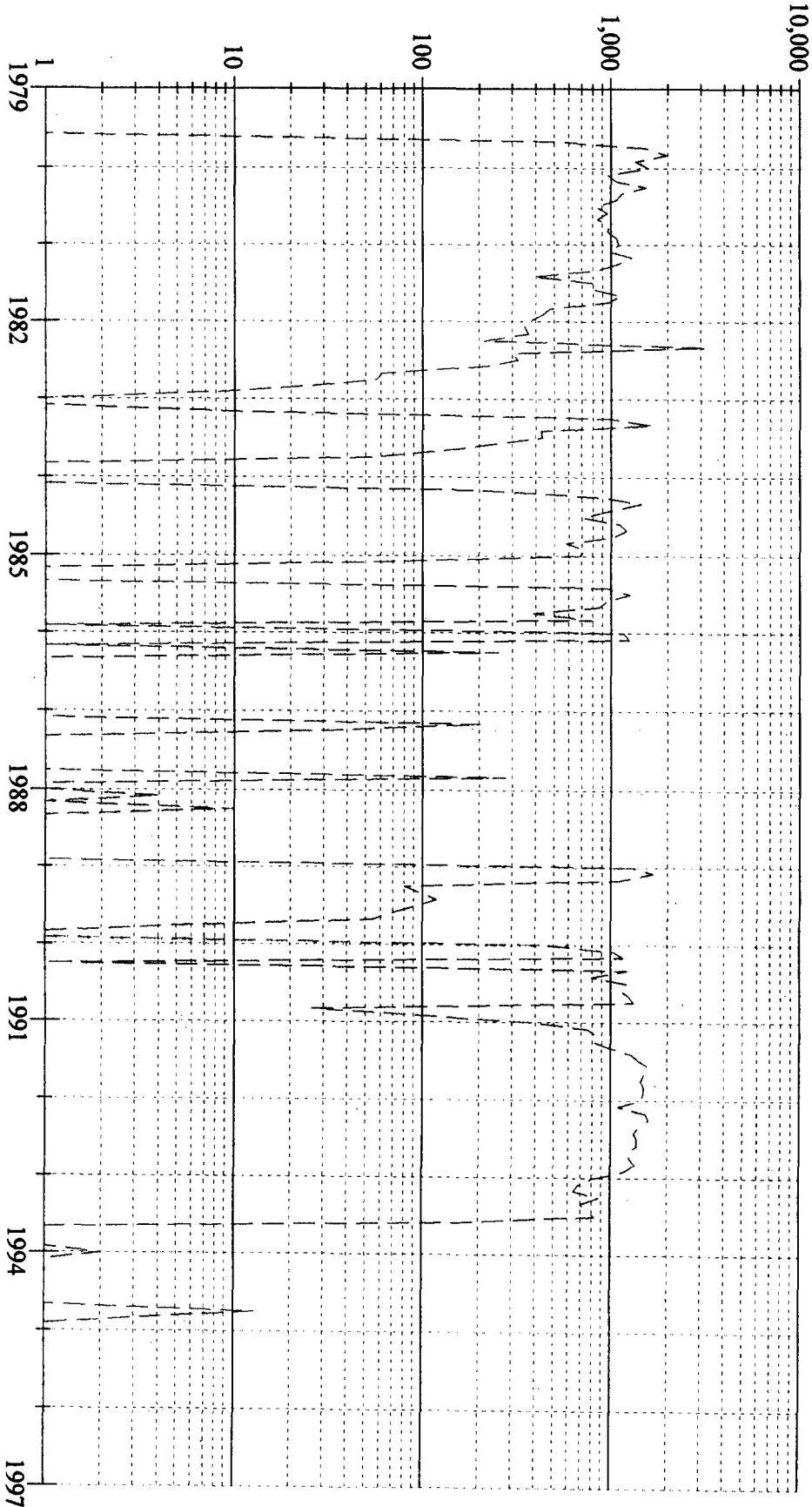
$$Q_{em} = \frac{(300-200)^{1/2}}{\ln .9}$$

$$= 125$$

$$Q_m \approx 103$$

$$(228)$$

BBI/Mo or Mcf/Mo



Reported Oil Production = 0 Bbls
 Reported Gas Production = 103,425 Mcf
 Reported Water Production = 0 Bbls

Time

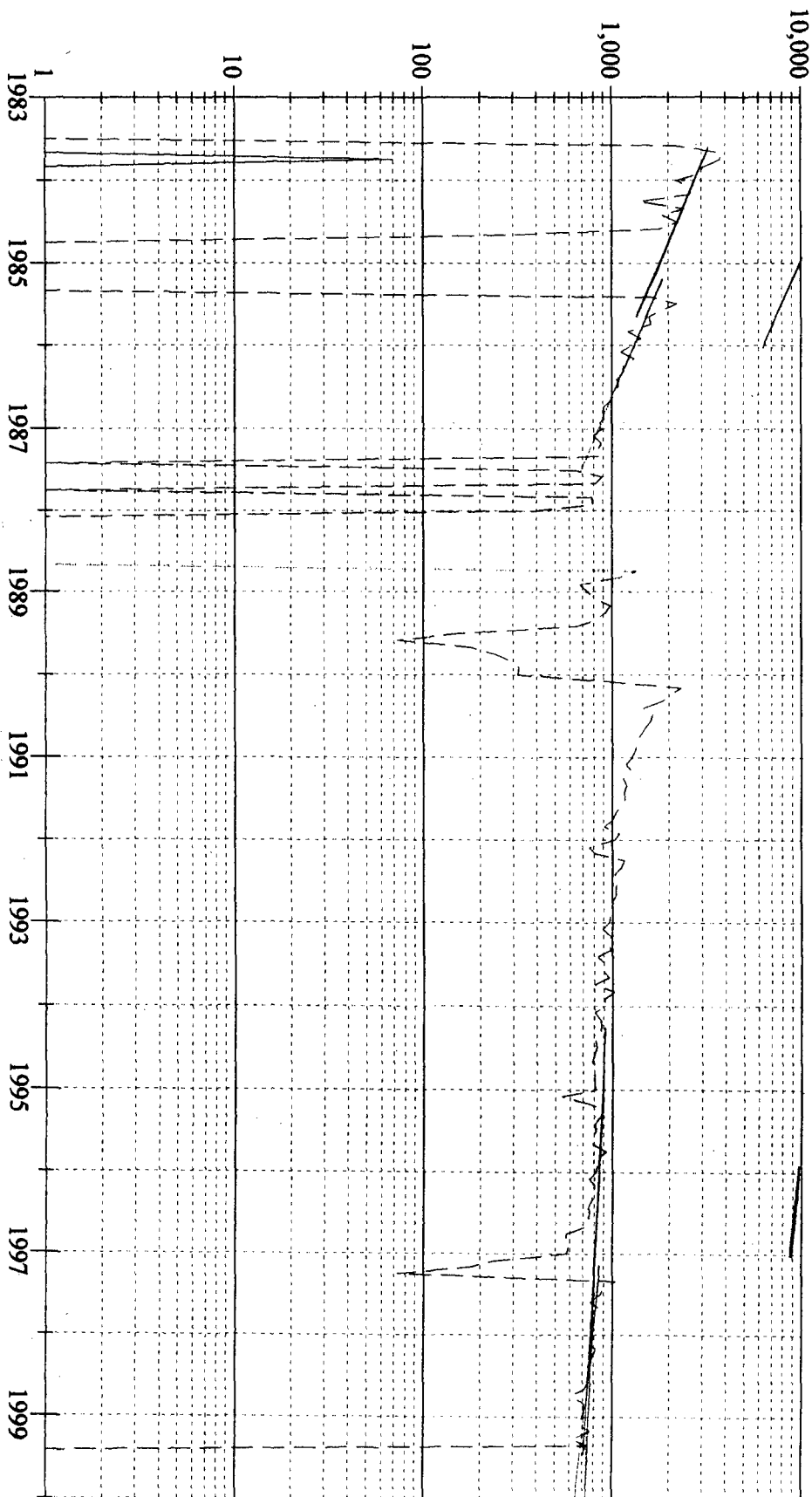
IF = 4000 MCF per 3 1/2 days

*(700-200) 1/2 = 50
+ 178
235*

Oil	---
Gas	---
Water	---
Wells	---

Field: TRAVIS
Lease: HEWITT FEDERAL | Well #2
Operator: FROSTMAN OIL CORPORATION
Production Rate vs Time
For the Period 01/1983 to 12/1999 | API: 30015240010000

BBI/Mo or Mcf/Mo



Reported Oil Production = 70 Bbls
Reported Gas Production = 178,489 Mcf
Reported Water Production = 0 Bbls

Time