

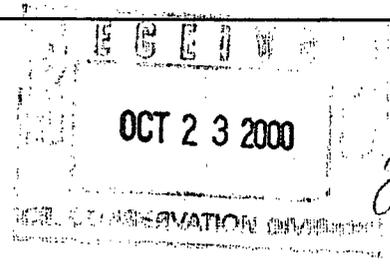
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DHC

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

Form C-107A
Revised May 15, 2000

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, New Mexico 87505

APPLICATION TYPE
 Single Well
 Establish Pre-Approved Pools
EXISTING WELLBORE
 Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

Thunderbolt Petroleum P.O. Box 10523 Midland, Tx, 79702

Operator Calmon Well No. #2 Address L-16-18S-29E Eddy County

Lease 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-Pates		Loco Hills @ 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 PD OBW 3 MCF PD
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

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 88211-8719
 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

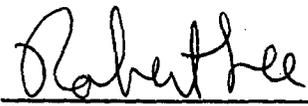
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
L	16	18S	29E		1650	South	330	West	Eddy.

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 Ducts 40	1 Acres	13 Joint or Infill N	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

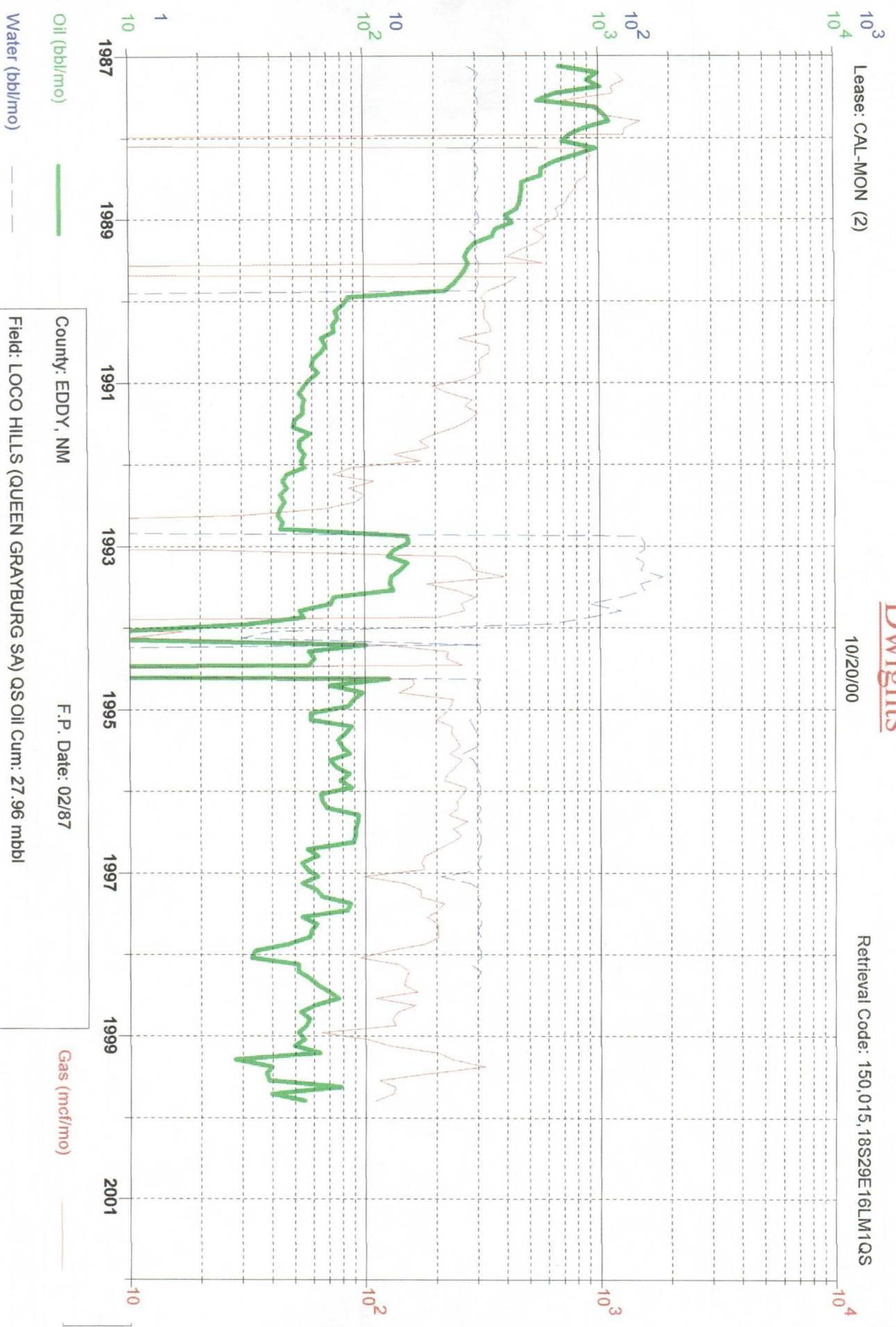
16 330 → 0 ↑ 1650	17 OPERATOR CERTIFICATION			
	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief			
	Signature  Printed Name Robert Lee Title President Date 10/10/00			
18 SURVEYOR CERTIFICATION				
I hereby certify that the well location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

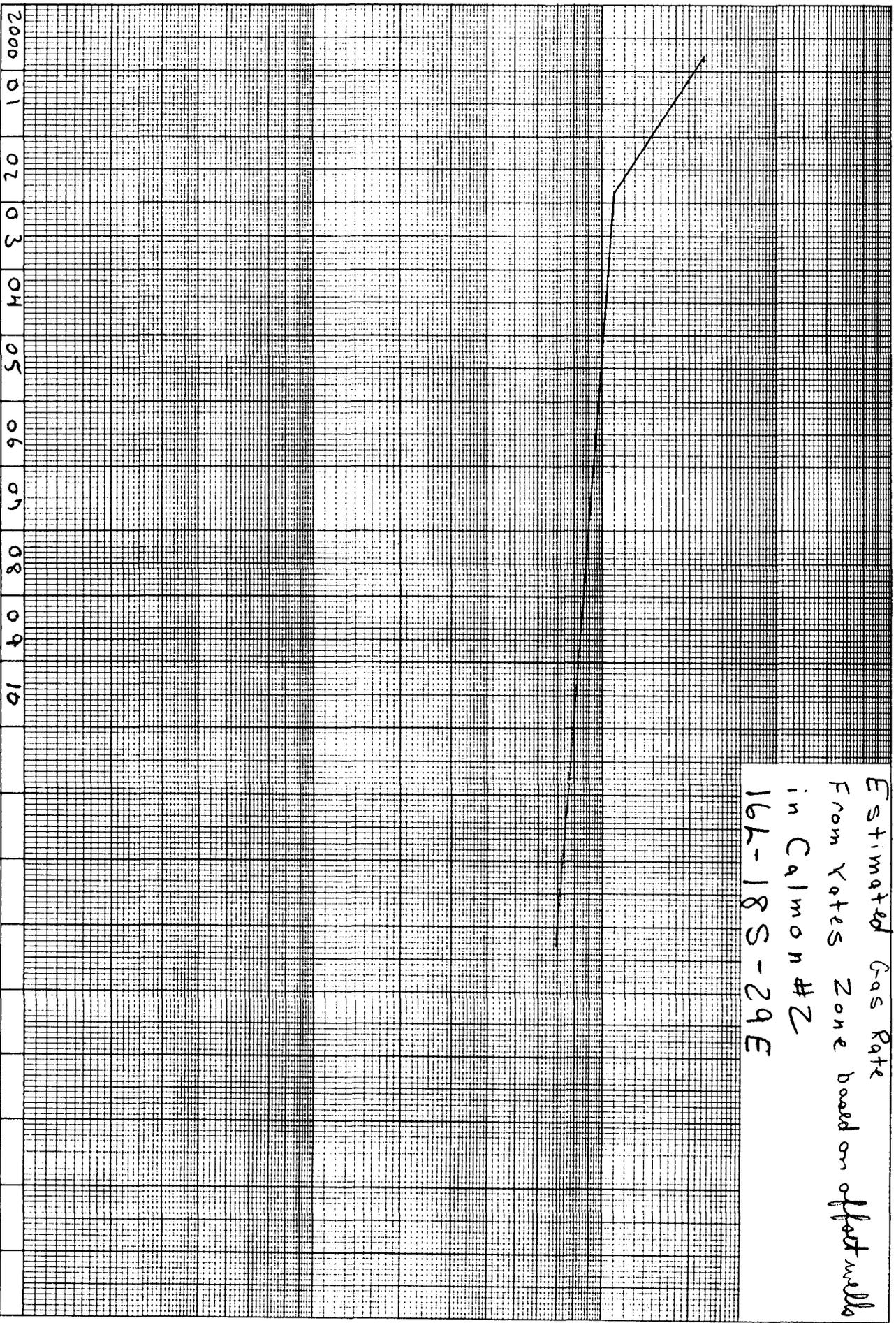
Reservoir: QUEEN GRAYBURG SA Gas Cum: 48.35 mmcf

Operator: THUNDERBOLT PETR CO LLC Location: 16L 18S 29E

MC FPM

1000

100



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

BBI/Mo or Mcf/Mo

Oil	—
Gas	- - -
Water	· · ·
Wells	---

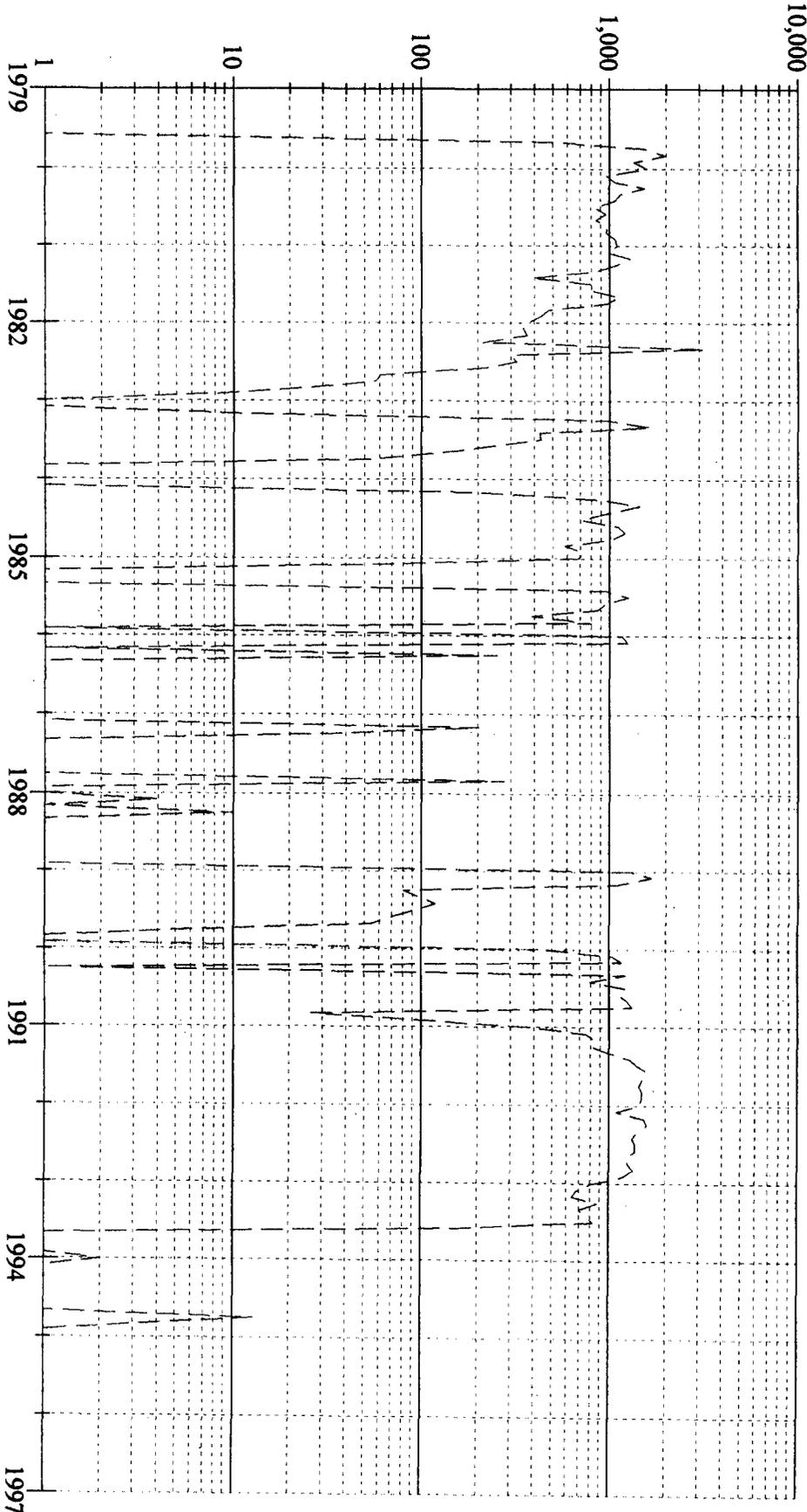
Field: TRAVIS
 Lease: DEPACO FEDERAL | Well # 1
 Operator: YATES HARVEY E COMPANY
 Production Rate vs Time
 For the Period 01/1979 to 12/1996 | API: 30015227510000

$$Q_{em} = \frac{(300-200)^{1/2}}{Q_{m,q}}$$

$$= 125$$

$$Q_{m,q} \approx 103$$

$$\approx 2281$$



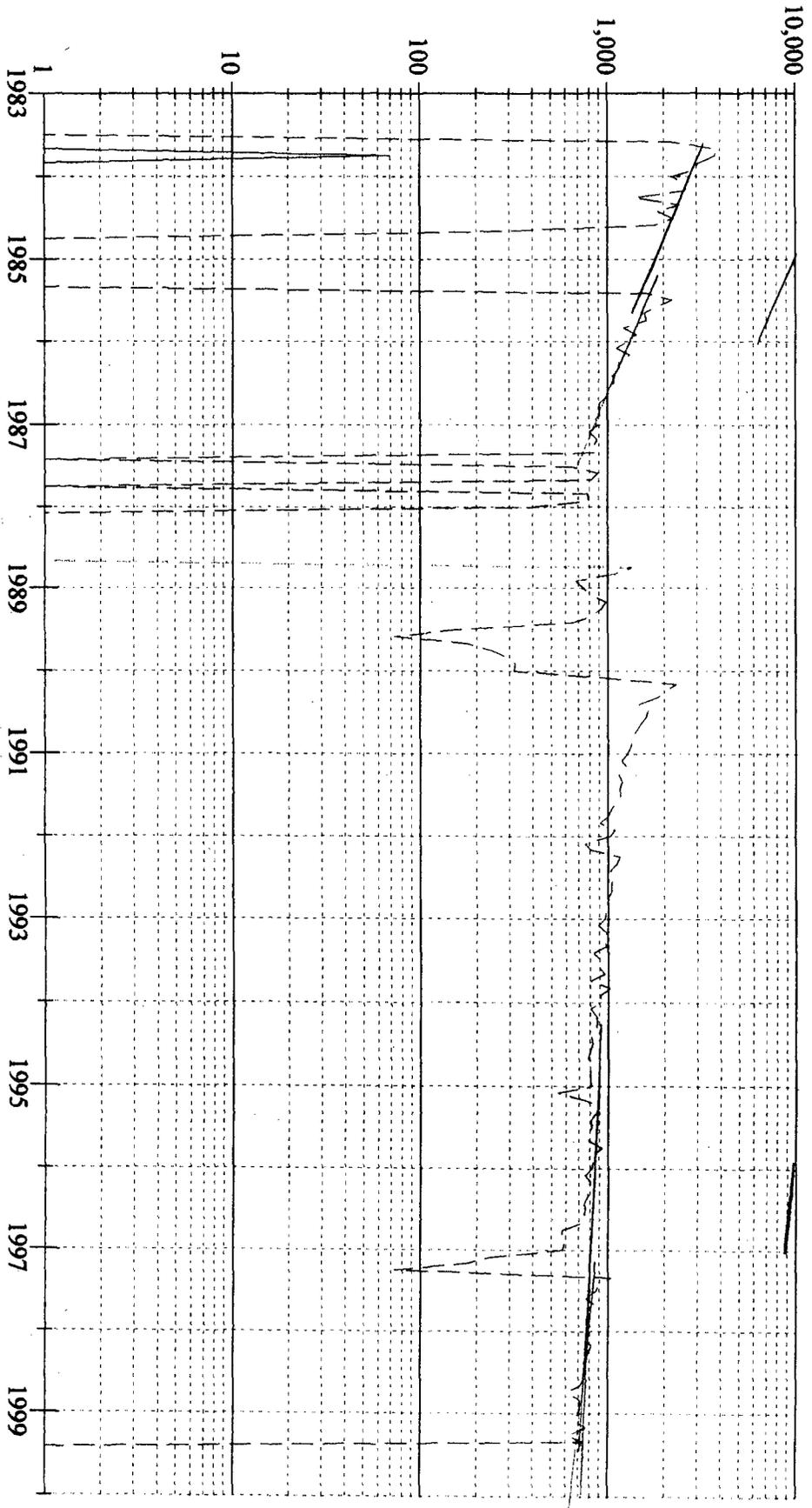
Reported Oil Production = 0 Bbls
 Reported Gas Production = 103,425 Mcf
 Reported Water Production = 0 Bbls

Time

BBI/Mo or Mcf/Mo

—	Oil
- - -	Gas
· · ·	Water
---	Wells

IF = 4000 MCF PM @ 3.5%
Span 3 mo @ 3.5%



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

(700-200) 12 = 57
1178
235

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

Time