

INFILL DRILLING FINDINGS PURSUANT TO
SECTION 271.305(b) OF THE FEDERAL ENERGY REGULATORY
COMMISSION REGULATIONS, NATURAL GAS POLICY ACT OF 1978
AND OIL CONSERVATION DIVISION ORDER NO. R-6013-A

I.

Operator Doyle Hartman Well Name and No. Late-Thomas No. 2

Location: Unit L Sec. 177 Twp. 24-S Rng. 37-E Cty. Lea County

II.

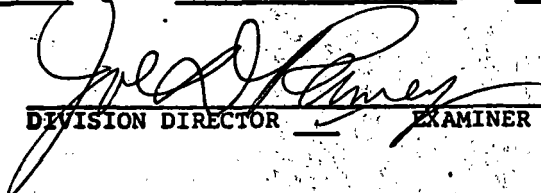
THE DIVISION FINDS:

- (1) That Section 271.305(b) of the Federal Energy Regulatory Commission Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualify as a new onshore production well under Section 103 of said Act, the Division must find that the infill well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so drained by any existing well within that unit.
- (2) That by Order No. R-6013-A, dated February 8, 1980, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.
- (3) That the well for which a finding is sought is completed in the Jalmart (Gas) Pool Pool, and the standard spacing unit in said pool is 640 acres.
- (4) That a 320-acre proration unit comprising the S/2 of Sec. 17, Twp. 24-S, Rng. 37-E, is currently dedicated to the Late-Thomas Late-Thomas No. 1 located in Unit M of said section.
- (5) That this proration unit is () standard (X) nonstandard; if nonstandard, said unit was previously approved by Order No. R-6781.
- (6) That said proration unit is not being effectively and efficiently drained by the existing well(s) on the unit.
- (7) That the drilling and completion of the well for which a finding is sought should result in the production of an additional 318.8 MMCF of gas from the proration unit which would not otherwise be recovered.
- (8) That all the requirements of Order No. R-6013-A have been complied with, and that the well for which a finding is sought is necessary to effectively and efficiently drain a portion of the reservoir covered by said proration unit which cannot be so drained by any existing well within the unit.
- (9) That in order to permit effective and efficient drainage of said proration unit, the subject application should be approved.

IT IS THEREFORE ORDERED:

- (1) That the applicant is hereby authorized to drill the well described in Section I above as an infill well on the existing proration unit described in Section II(4) above. The authorization for infill drilling granted by this order is necessary to permit the drainage of a portion of the reservoir covered by said proration unit which cannot be effectively and efficiently drained by any existing well thereon.
- (2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on this 29th day of December, 19 81.


DIVISION DIRECTOR

EXAMINER

OIL CONSERVATION DIVISION
P. O. Box 2088
SANTA FE, NEW MEXICO
87501

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

ADMINISTRATIVE ORDER

NFL

32

INFILL DRILLING FINDINGS PURSUANT TO
SECTION 271.305(b) OF THE FEDERAL ENERGY REGULATORY
COMMISSION REGULATIONS, NATURAL GAS POLICY ACT OF 1978
AND OIL CONSERVATION DIVISION ORDER NO. R-6013-A

I.

Operator Doyle Hartman Well Name and No. Late-Thomas No. 2
Location: Unit L Sec. 17 Twp. 24-S Rng. 37-E Cty. Lea

II.

THE DIVISION FINDS:

- (1) That Section 271.305(b) of the Federal Energy Regulatory Commission Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualify as a new onshore production well under Section 103 of said Act, the Division must find that the infill well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so drained by any existing well within that unit.
- (2) That by Order No. R-6013-A, dated February 8, 1980, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.
- (3) That the well for which a finding is sought is completed in the Jalmat (Gas) Pool, and the standard spacing unit in said pool is 640 acres.
- (4) That a 320 -acre proration unit comprising the 5/2 of Sec. 17, Twp. 24-S, Rng. 37-E, is currently dedicated to the Late-Thomas Well No. 1 located in Unit M of said section.
- (5) That this proration unit is () standard (☒ nonstandard; if nonstandard, said unit was previously approved by Order No. R-6781).
- (6) That said proration unit is not being effectively and efficiently drained by the existing well(s) on the unit.
- (7) That the drilling and completion of the well for which a finding is sought should result in the production of an additional 318.8 MMCF of gas from the proration unit which would not otherwise be recovered.
- (8) That all the requirements of Order No. R-6013-A have been complied with, and that the well for which a finding is sought is necessary to effectively and efficiently drain a portion of the reservoir covered by said proration unit which cannot be so drained by any existing well within the unit.
- (9) That in order to permit effective and efficient drainage of said proration unit, the subject application should be approved.

IT IS THEREFORE ORDERED:

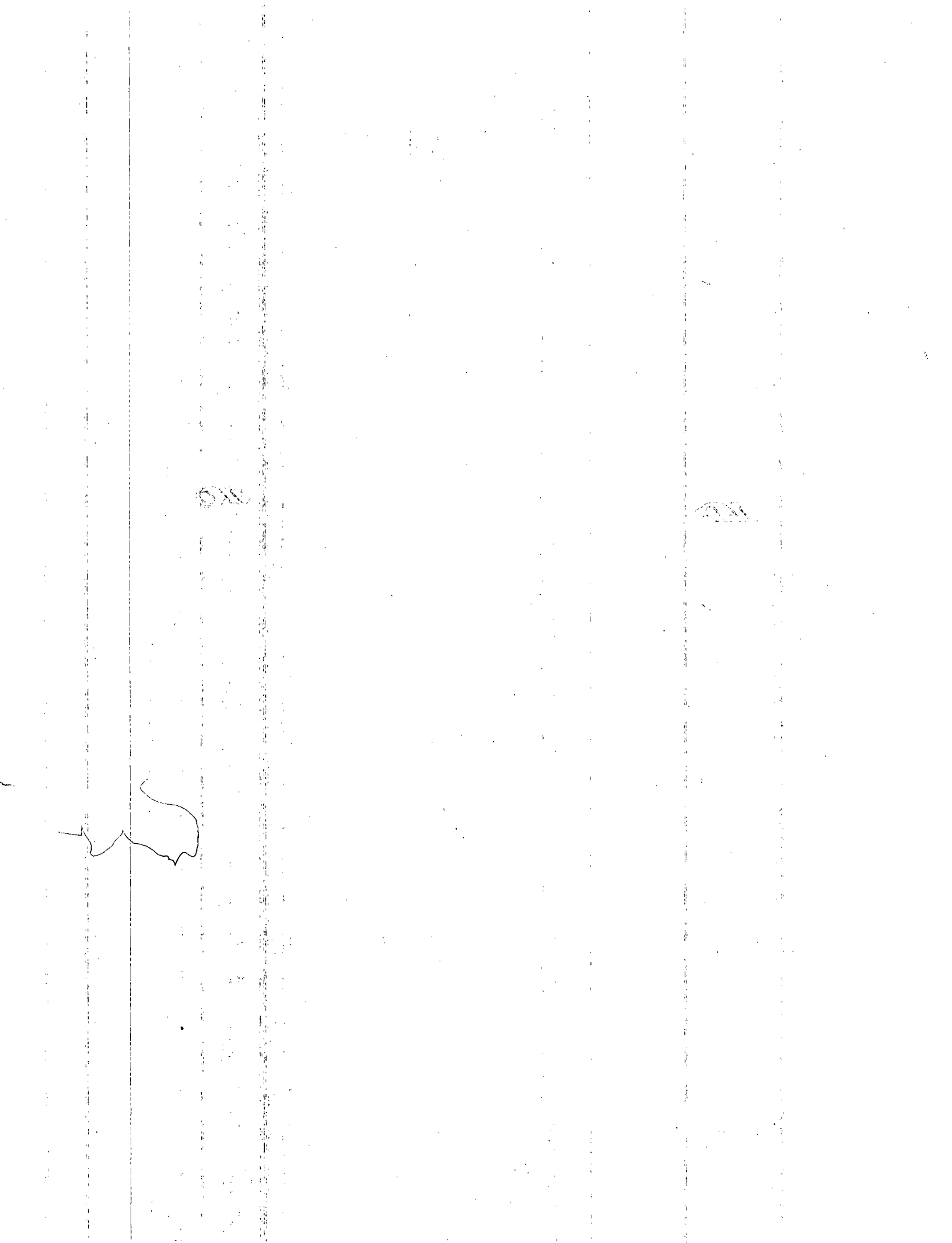
- (1) That the applicant is hereby authorized to drill the well described in Section I above as an infill well on the existing proration unit described in Section II(4) above. The authorization for infill drilling granted by this order is necessary to permit the drainage of a portion of the reservoir covered by said proration unit which cannot be effectively and efficiently drained by any existing well thereon.
- (2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on this _____ day of _____, 19_____.

DIVISION DIRECTOR _____

EXAMINER _____

* Order No. R-6807 approved the unorthodox gas well location for the
Late-Thomas No. 2 in Unit L.



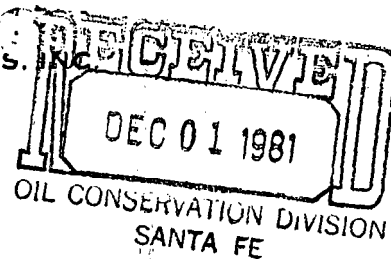
WILLIAM P. AYCOCK & ASSOCIATES, INC.

Petroleum Engineering Consultants

308 WALL TOWERS WEST

MIDLAND, TEXAS 79701

PHONE 915/683-5721



October 29, 1981

New Mexico Department of Energy and Minerals,
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention Mr. Joe D. Ramey, Director

Subject: N.G.P.A. Administrative Gas Well
Infill Application for
Doyle Hartman's Late-Thomas No. 2,
17(4)-25S-37E, Jalmat Pool,
Lea County, New Mexico

Gentlemen:

Attached are the following, submitted in conformance with the
provisions of the Special Rules and Regulations, Natural Gas
Policy Act Infill Findings Administrative Procedure:

Combined Land and Structure Map, Top of Yates Formation,
Jalmat Pool in the Vicinity of the Application Well

Well Information on Map, Jalmat Pool for Wells in the
Vicinity of the Application Well

Cross Section A - A'

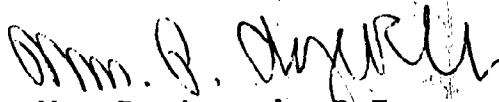
Cross Section B - B'

Cross Section C - C'

Exhibit 4 (with attachments)

Portions of this information were presented during hearings
pertaining to the Application Well on both August 26, 1981 (Case
No. 7339) and October 7, 1981 (Case No. 7368). Should you require
anything further in this connection, we should be pleased to
provide it, upon request.

Very truly yours,


Wm. P. Aycock, P.E.

WPA/bw

Attachments

WILLIAM P. AYCOCK & ASSOCIATES, INC.

Petroleum Engineering Consultants
308 WALL TOWERS WEST
MIDLAND, TEXAS 79701
PHONE 915/683-5721

October 29, 1981



New Mexico Department of Energy and Minerals,
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention Mr. Joe D. Ramey, Director

Subject: N.G.P.A. Administrative Gas Well
Infill Application for Doyle
Hartman's Late-Thomas No. 2,
17(L)-24S-37E, Jalmat Pool,
Lea County, New Mexico

Gentlemen:

Rules 8.g, 9.b. and 9.c. of the Special Rules and Regulations, Natural Gas Policy Act Infill Findings Administrative Procedure require engineering studies as a predicate for answers; accordingly, such studies were performed, for both the application well and several nearby Jalmat Pool gas wells.

Rule 8.g. of Exhibit 4, N.G.P.A. Administrative Gas Well Infill Application Procedure requires "...a clear and concise statement indicating why the existing well(s) on the proration unit cannot effectively and efficiently drain the portion of the reservoir covered by the proration unit". The south one-half of Section 17, Township 24 South, Range 37 East comprises a 320-acre proration unit under which the Jalmat Pool was dedicated to the Late Oil Co. Thomas No. 1 (operations of which have been assumed by Doyle Hartman, as per simultaneous dedication requirements), located at 660' FSL and 660' FWL. The Doyle Hartman (Late Oil Co.) Late-Thomas No. 1 was completed August 15, 1953, from 240 perforations between well depths of 2990 feet and 3100 feet for a potential of 50 MMCF/day unstimulated from the Jalmat Pool. As of June 1, 1981, the Doyle Hartman Late-Thomas No. 1 had produced an accumulated volume of 4576 MMCF, and the estimated ultimate gas recovery is 4655 MMCF (79 MMCF additional) at an estimated economic limit of production of 500 MCF/month. The approximate monthly gas production rate was 2400 MCF/month at June 1, 1981. The estimated effective drainage area for the Doyle Hartman Late-Thomas No. 1 is 67.1 acres; therefore, 320 acres less 67.1 acres, or 252.9 acres of the existing proration unit were not being effectively drained prior to Doyle Hartman drilling and completing the Doyle Hartman Late-Thomas No. 2 in Unit L and the Doyle Hartman Late-Thomas No. 3 in Unit J. The derivation of the effective

October 29, 1981

Page 2

drainage area estimate for the Doyle Hartman Late-Thomas No. 1 is detailed in the Exhibit 4 N.G.P.A. Administrative Gas Well Infill Application for the Doyle Hartman Late-Thomas No. 3 dated October 6, 1981, a copy of which is attached.

An additional estimated effective drainage area of 159 acres was estimated for the Doyle Hartman Late-Thomas 3 in the October 6, 1981, N.G.P.A. Administrative Infill Application, resulting in a total estimated effective drainage area of 67.1 acres plus 159 acres, or 226.1 acres prior to the completion of the Doyle Hartman Late-Thomas No. 2. Therefore, the difference in 320 acres and 226.1 acres, or 93.9 acres were still not being effectively drained prior to the completion of the Doyle Hartman Late-Thomas No. 2.

Rule 9.b. requires "...the volume of increased recovery expected to be obtained and a narrative explaining how the increase was determined" be specified. The estimated increased gas recovery anticipated for the Doyle Hartman Late-Thomas No. 2 is 319 MMCF. This estimate was derived from integration of volumetric and recovery parameters; the volumetric parameters were derived by combining estimated net effective pore space (derived from log analyses) with the ratio of calculated subsurface pressure to consistent gas compressibility factor and the appropriate conversion factors, yielding the original gas-in-place per acre of 4.72 MMCF/acre.

When the estimated original gas-in-place per acre of 4.72 MMCF per acre was multiplied by the remaining estimated effectively undrained acreage of 93.9 acres, the resulting effective original gas-in-place of 442.8 MMCF was the result. Multiplication of the estimated effective original gas-in-place by the estimated appropriate gas recovery factor of 0.72 resulted in the estimated increased recovery estimate of 318.8 MMCF. $\leftarrow (4.72 \text{ MMCF}) (93.9 \text{ acres}) (.72)$

These technical parameters were derived from engineering studies of data for both the application well and twelve nearby Jalmat Pool gas wells (as detailed on the attachments). These study results for the Doyle Hartman Late-Thomas No. 2 can be summarized as follows:

Completion Interval:	2957 feet to 3226 feet well depth
Mean Effective Porosity, fcn of bulk volume:	0.212
Mean Connate Water Saturation, fcn of net effective pore space:	0.30
Net Effective Pay Thickness, feet:	61.
Static Shut-in Wellhead Pressure, psi:	160.

New Mexico Department of Energy and Minerals

October 29, 1981

Page 3

Rule 9.c. of Exhibit 4 to the N.G.P.A. Administrative Gas Well Infill Application provides that "...any other supporting data which the applicant deems to be relevant..." be submitted; in this connection, attached are the following:

N.G.P.A. Letter for Doyle Hartman's Late-Thomas No. 3,
dated October 6, 1981

Summary of Individual Well Information for Jalmat Pool
Gas Wells in the Vicinity of Doyle Hartman's Late-
Thomas No. 2 and Late-Thomas No. 3

Jalmat Gas Production Histories and P/Z vs. Cumulative
Gas Production Plots, T-24-S, R-37-E

We believe that these submittals provide adequate documentation for this application; however, we should be pleased to supply any other information and/or further elaboration should you so desire.

Very truly yours,


Wm. P. Aycock, P.E.

WPA/bw

Attachments

DOYLE HARTMAN

Oil Operator

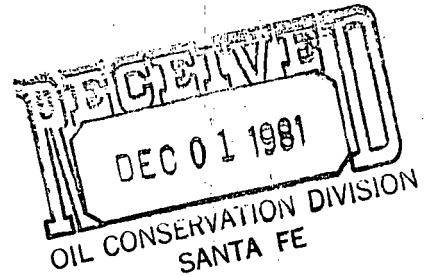
500 N. MAIN

P. O. BOX 10428

MIDLAND, TEXAS 79702

(915) 684-4011

November 23, 1981



State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. R. L. Stamets

Re: Administrative Procedure
Infill Finding
Late-Thomas No. 2
API No. 30-025-27536
1980 FSL & 990 FWL (L)
Section 17, T-24-S, R-37-E
Lea County, New Mexico

Gentlemen:

Pursuant to Section 271.305 of the Final Rules and Regulations of the Federal Energy Regulatory Commission relating to Section 103 of the Natural Gas Policy Act of 1978, and to Order R-6013-A of the New Mexico Oil Conservation Division, we hereby request an infill finding (NFL) for the above captioned Lates-Thomas No. 2 located Unit L, Section 17, T-24-S, R-37-E, Lea County, New Mexico.

With regard to our request, and in accordance with Order R-6013-A, we submit the following:

- Rule 5 A copy of approved Form C-101 for the infill well and Form C-102 showing the proration unit dedicated to the well are enclosed.
- Rule 6 The name of the pool in which the infill well has been drilled is Jalmat, and the standard spacing unit therefor is ~~460~~ 640 acres.
- Rule 7 The number of the Division order approving the non-standard proration unit dedicated to the well is R-6781.
- Rule 8 Form entitled CERTIFICATION OF WELL DATA ON PRORATION UNIT PLAT describes all wells drilled on the proration unit (including the completed infill well) which are or have been completed in the same pool or reservoir as the proposed infill well showing:

- a. lease name and well location;
- b. spud date;
- c. completion date;
- d. a description of any mechanical problems experienced along with a summary of remedial action(s) taken and the results obtained;
- e. the current rate of production, and;
- f. date of plug and abandonment, if any; and
- g. a clear and concise statement indicating why the existing well(s) on the proration unit cannot effectively and efficiently drain the portion of the reservoir covered by the proration unit.

Rule 9 Letter dated October 29, 1981 from William P. Aycock submits geological and engineering information sufficient to support a finding as to the necessity for an infill including:

- a. formation structure map;
- b. the volume of increased ultimate recovery expected to be obtained and a narrative describing how the increase was determined;
- c. any other supporting data which the applicant deems to be relevant which may include:
 1. porosity and permeability factors
 2. production/pressure decline curve
 3. effects of secondary recovery or pressure maintenance operations.

Rule 10 This application for infill finding is being filed in duplicate with the Santa Fe office of the Division.

Rule 11 All operators of proration or spacing units offsetting the unit for which an infill finding is sought have been notified of this application by certified or registered mail.

We respectfully that the Commission grant our request for an infill finding pursuant to Order R-6013-A.

Very truly yours,

DOYLE HARTMAN

Michelle Hembree

Michelle Hembree
Administrative Assistant

State of New Mexico
November 23, 1981
Page 3

/mh

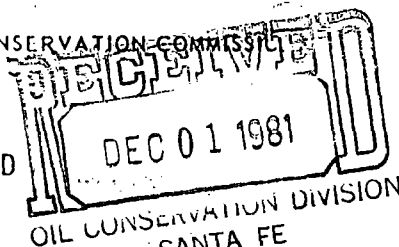
Enclosures as above

30-025-27536

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

REVISED

Form C-101
Revised 1-1-755A. Indicate Type of Lease
STATE ☐ FEDERAL ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		
DRILL ☒	DEEPEN ☐	PLUG BACK ☐
1b. Type of Well		
OIL WELL ☐	GAS WELL ☒	OTHER ☐
2. Name of Operator		
Doyle Hartman, Oil Operator		
3. Address of Operator		
P. O. Box 10426, Midland, Texas 79702		
4. Location of Well		
UNIT LETTER <u>L</u>	LOCATED <u>1980</u>	FEET FROM THE <u>South</u> LINE
<u>990</u>	FEET FROM THE <u>West</u> LINE OF SEC. <u>17</u>	TWP. <u>24S</u> RGE. <u>37E</u> NEQU.

7. Unit Agreement Base

8. Term or Lease Term

Late Thomas

9. Well No.

2

10. Field and Pool, or Well Unit

Jalmat (Gas)

12. Locality

Lea

19. Proposed Depth		19A. Elevation	20. Rotary or C.R.
3400		Yates	Rotary
21B. Drilling Contractor		22. Approx. Date Work will start	
Kenai		September, 1981	

21A. Field & Status (See Form C-101)

3281.5 GL

Multi-well Approved

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	8 5/8	28	400	300	Surface
7 7/8	5 1/2	17	3400	600	Surface

The proposed well will be drilled to a total depth of 3400 feet and will be completed as a Jalmat (Yates) gas producer. From the base of the surface pipe through the running of the production casing, the well will be equipped with a 3000-psi double ram BOP system.

NOTE: (1) Any Gas produced from the proposed well has previously been dedicated to El Paso Natural Gas Company.

(2) A hearing is scheduled for August 26 to simultaneously dedicate wells, Late Thomas #2 and Late Thomas #3, to the existing proration unit consisting of the S/2 Section 17 and these wells will share an allowable with the Late Thomas #1.

This application will replace C-101 filed on August 17, 1981 showing well location of 2310 FSL and 330 FWL Section 17, T-24-S, R-37-E.

2. ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Larry A. Denny Title Engineer Date Aug 25, 1981

(This space for State Use)

Orig. Signed by

Jerry Sexton

Dist. 1, Supr.

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

This approval is contingent upon approval of unorthodox location after hearing (Case No. 7368)

OCT 15 1981

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 1/12/82
UNLESS DRILLING UNDERWAY

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION

RECEIVED
DEC 01 1981

All distances must be from the outer boundaries of the Section

DOYLE HARTMAN			Lease THOMAS		
Section	17	Township	24 SOUTH	Range	37 EAST
Oil Conservation Division				SANTA FE	
Actual Well Location of Well:					
1980	feet from the	SOUTH	line and	990	feet from the
WEST					
Ground Level Elev.	3281.5		Producing Formation	Yates-Seven Rivers	
Well	Jalmat (Gas)		Depth	320*	

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?

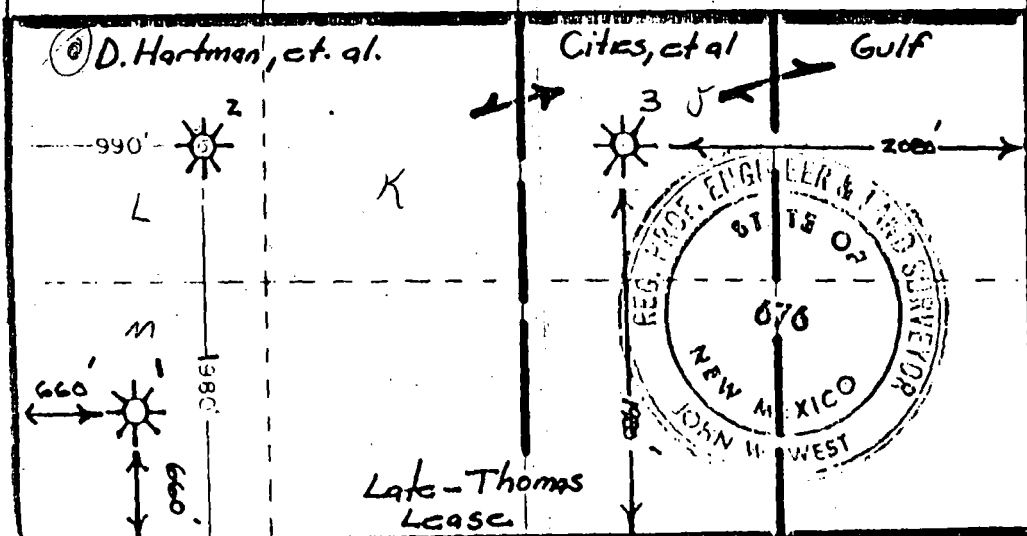
[X] Yes [] No If answer is "yes," type of consolidation Communitization Agreement

If answer is "no," list the owners and tract descriptions which have actually been 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.

* Simultaneous dedication of Late-Thomas Nos. 1, 2, and 3 to existing proration unit consisting of S/2 Section 17, T-24-S, R-37-E approved under NMOCD Order R-6781.

** Unorthodox location for Late-Thomas No. 2 approved under NMOCD Order R-6807.



CERTIFICATION

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

Michelle Hembree

Michelle Hembree
Administrative Assistant

Doyle Hartman

10-28-81

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.

Date Surveyed 8-4-81

Registered Professional Engineer and Land Surveyor

John W. West
Certificate No. JOHN W. WEST 676
PATRICK A. ROMERO 6268
Harold J. ...

DOYLE HARTMAN

Oil Operator

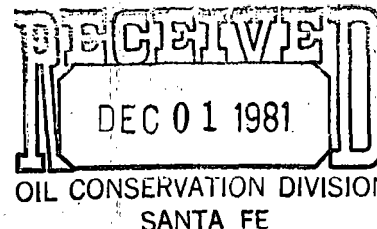
500 N. MAIN

P. O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

November 23, 1981



Offset Jalmat (Gas) Operators
Late-Thomas No. 2
API No. 30-025-27536
1980 FSL & 990 FWL (L)
Section 17, T-24-S, R-37-E
Lea County, New Mexico

Gentlemen:

Pursuant to Section 271.305 of the Final Rules and Regulations of the Federal Energy Regulatory Commission relating to Section 103 of the Natural Gas Policy Act of 1978, and to Order R-6013-A of the New Mexico Oil Conservation Division, you, as an offset operator to the above captioned lease, are hereby notified by certified mail of our request for administrative infill finding for the newly completed Late-Thomas No. 2. The proration unit to which the Late-Thomas No. 2 is dedicated is 320-acres consisting of S/2 Section 17, and this proration unit is shared with the Late-Thomas #1 (M-17-24S-37E) and the Late-Thomas #3 (J-17-24S-37E).

If you have no objection to our request for infill finding, please execute one copy of this letter and return it to this office in the enclosed stamped, self-addressed envelope.

Thank you for your cooperation in this matter.

Very truly yours,

DOYLE HARTMAN

Michelle Hembree
Administrative Assistant

/mh

Approved this _____ day of _____, 1981.

Conoco, Inc.

Late-Thomas No. 2
November 23, 1981
Page 2

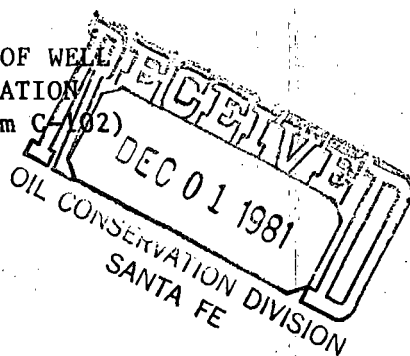
Getty-Reserve Oil Company

Exxon Company, USA

Amoco Production Company

Cities Service Company

CERTIFICATION OF WELL
DATA ON PRORATION
PLAT (NMOCD Form C-102)



Late-Thomas No. 2
API No. 30-025-27536
1980 FSL & 990 FWL (L)
Section 17, T-24-S, R-37-E
Lea County, New Mexico
Jalmat (Gas)

DOYLE HARTMAN, as Operator of the herein designated well, certifies as required under OCD Order R-5878 Rule 15.4 and Rule 15.5 that:

- A. The location plat (C-102) corresponding to the herein designated well depicts all current producing wells or previously abandoned wells located on the subject acreage which have been completed to the Jalmat interval.
- B. A description of any applicable well(s) that are located on the subject proration unit and that are presently producing or have previously produced from the same reservoir for which this Section 103 (New Onshore Production Well) filing is being made is as follows:

Operator: Doyle Hartman (previously Late Oil Company)

Well: Late-Thomas No. 1 (previously Thomas No. 1)

Location: 660 FSL & 660 FWL Section 17, T-24-S, R-37-E
Lea County, New Mexico

Spud Date: 5-30-53

Reservoir: Jalmat (Yates)

Production Period: 8-15-53 to present

Cumulative Gas Production: 1-1-81 Cum: 4570 MMCF

Remarks: May, 1981 Prod: 78 MCFPD. Enclosed herewith is our filing for administrative approval for classifying the subject well (Late-Thomas No. 2) as a Section 103 infill well.

Operator: Doyle Hartman

Well: Late-Thomas No. 3

Location: 1980 FSL & 2080 FEL (J) Section 17, T-24-S, R-37-E

Spud Date: 9-15-81

Reservoir: Jalmat (Gas)

Production Period: 10-23-81 to present.

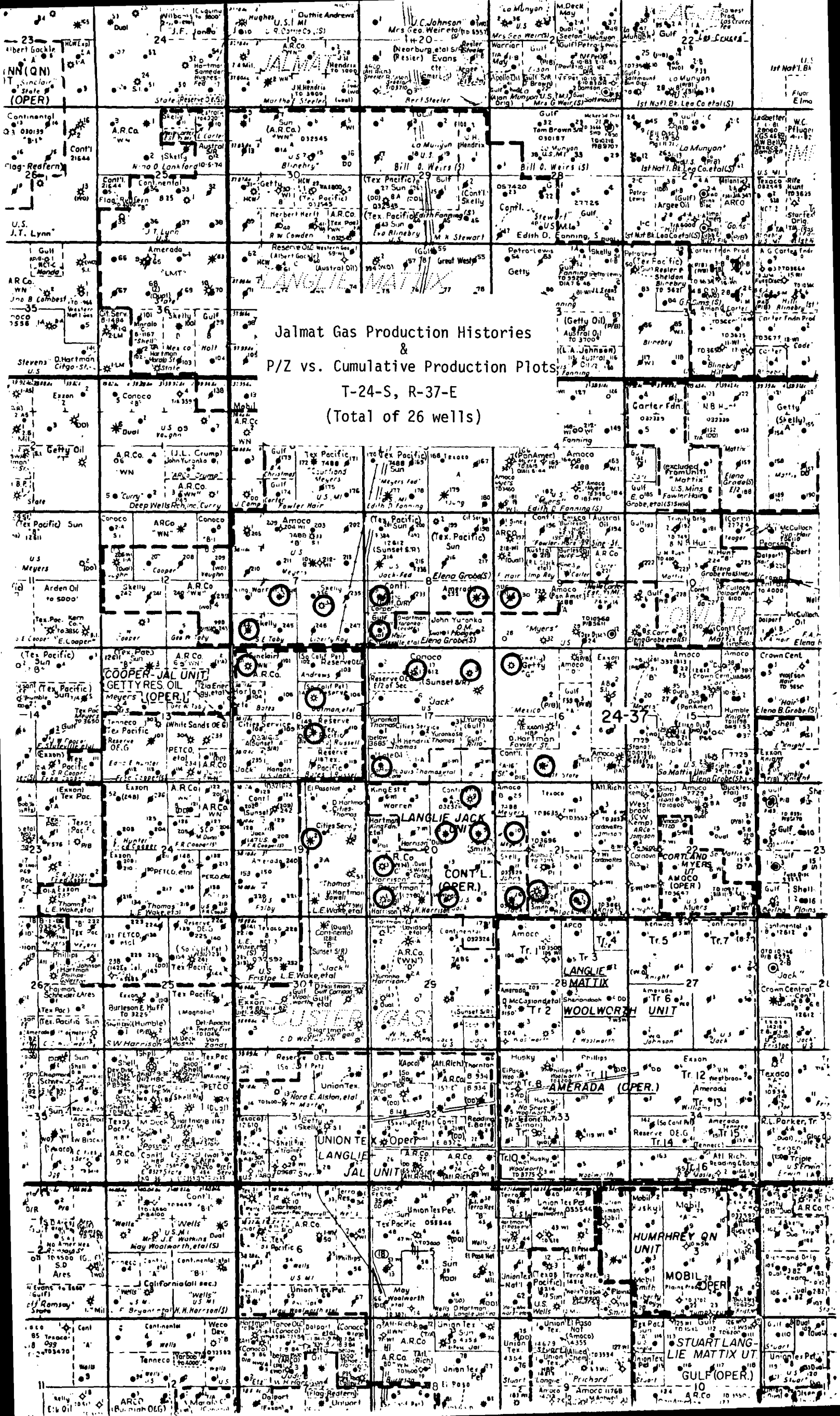
Gas Production: Approximately 400 mcfpd.

Michelle Hembree
Michelle Hembree
Administrative Assistant

Also see William R Aycock's letter dated 10-29-81

SUMMARY OF INDIVIDUAL WELL INFORMATION FOR JALMAT POOL GAS WELLS
IN THE VICINITY OF DOYLE HARTMAN'S LATE-THOMAS NOS. 2 AND 3
LOCATED IN N/2 SECTION 17-24-37 IN UNITS L & S, JALMAT POOL
LEA COUNTY, NEW MEXICO

OPERATOR WELL NAME & NUMBER	Conoco, Inc.						Getty		Getty Reserve	Gulf	Late Oil Co.
	Jack A-20 #3	Jack A-20 #4	Jack A-20 #9	Jack A-20 #10	Jack B-17 #3	Jack B-17 #4	Liberty-Roy- alties #5	Mexico "G"	Cooper Jal U #244	J.R. Holt NCT "A" Com #2	Thomas #1
LOCATION OF WELL	20(H)-24-37	20(G) 24-37	20(A)-24-37	20(O)-24-37	17(A)-24-37	17(C)-24-37	7(J)-24-37	16(D)-24-37	18(J)-24-37	16(N)-24-37	17(M)-24-37
DISTANCE AND DIRECTION FROM APPLICATION WELLS	5100' SE 4175' SSE	4375' SSE 3950' S	3950' SE 2800' SSE	6700' SSE 6500' S	4050' NE 2650' NNE	2725' NNE 2725' NNW	5900' NNW 7050' NW	5600' NE 3800' NE	3100' W 5300' W	6100' ESE 4100' ESE	1200' S 2900' SW
COMPLETION INTERVAL	3210-3582	2988-3135	2830-3200	2880-3300	2609-3050	2800-3200	2730-3260	2740-3290	2850-3205	2650-2945	2990-3100
COMPLETION DATE	6-14-38	5-18-50	7-30-74	8-08-74	8-30-51	6-14-74	1-04-49	3-06-51	4-23-53	11-06-55	8-15-53
INITIAL CAOFP, MCF/DAY		7,200	1,072	1,512	6,000	5,131	10,000	12,600	1,171	4,400	50,000
CUM. PRODUCTION @ 6-1-81											
LIQUIDS, BBL.	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
GAS, MMCF	212.8	2,941.2	359.4	423.1	8,472.2	825.9	6,732.9	4,679.4	3,070.0	2,647.5	4,575.5
VOLUMETRIC ANALYSIS:											
MEAN EFF. POR, % BULK VOL.	-	0.255	-	0.252	0.242	0.204	-	-	0.133	0.162	-
MEAN CON. WTR. STN., % NEPS	-	0.196	-	0.195	0.203	0.225	-	-	0.293	0.258	-
NET EFFECTIVE PAY, FEET	-	117	-	76	134	54	-	-	28	146	-
OGIP, MMCF/ACRE	-	35.4	-	14.2	58.6	9.57	-	-	9.62	52.0	-
ESTIMATED OGIP, MMCF	-	4,183	1,425	967	10,846	1,844	10,680	5,509	3,761	3,438	5,287
EUR:											
LIQUIDS, BBL.	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
GAS, MMCF	212.8	2,941.2	372.3	610.0	10,351.4	827.7	6,910.5	5,053.0	3,162.5	2,647.5	4,655.1
EST. ULTIMATE RECOVERY FACTOR	-	0.703	0.260	0.631	0.954	0.449	0.647	0.917	0.841	0.770	0.880
EST. EFFECT. DRAINAGE AREA, ACRES	-	118	-	68	179	193	-	-	391	66	-
SIWHP, PSIA (1980)	-	-	197.2	162.2	150.2	217.2	59.2	129.2	N/A	-	104.2
ORIGINAL SIWHP, PSIA	-	-	-	305.2	850.8	369.2	-	1,033.2	-	-	1,216.2
CURRENT WELL STATUS	Recompleted to Langlie- Mattix	Zone Abandoned 5-74	Gas Producer	Gas Producer	Gas Producer	Gas Producer	Gas Producer	Gas Producer	Gas Producer	Last Prod. 12-77	Gas Producer



GAS PRODUCTION HISTORY

Date 8-11-81

Page 1 of 1

Operator: Getty Oil Co. (Skelly)

Well: Liberty Royalties No. 5

Location: J-7-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: _____

[illegible]

19 80 Detail Summary

Jan. 2363 July 2085

Feb. 2155 Aug. 2048

March 2253 Sept. 1917

April 2441 Oct. 2590

May 2741 Nov. 2276

June 2370 Dec. 2289

19_81_____ Detail Summary

Jan. 1729 July 1729

Feb. 958 Aug. 958

March 1115 Sept.

April 1274 Oct. 1275

May 1166 Nov.

June _____ Dec. _____

Production (Y-T-D) 6242 MCF

Avg. Rate (Y-T-D) 1248 MCF/mo.

Days or Months (Y-T-D) 5 mos.

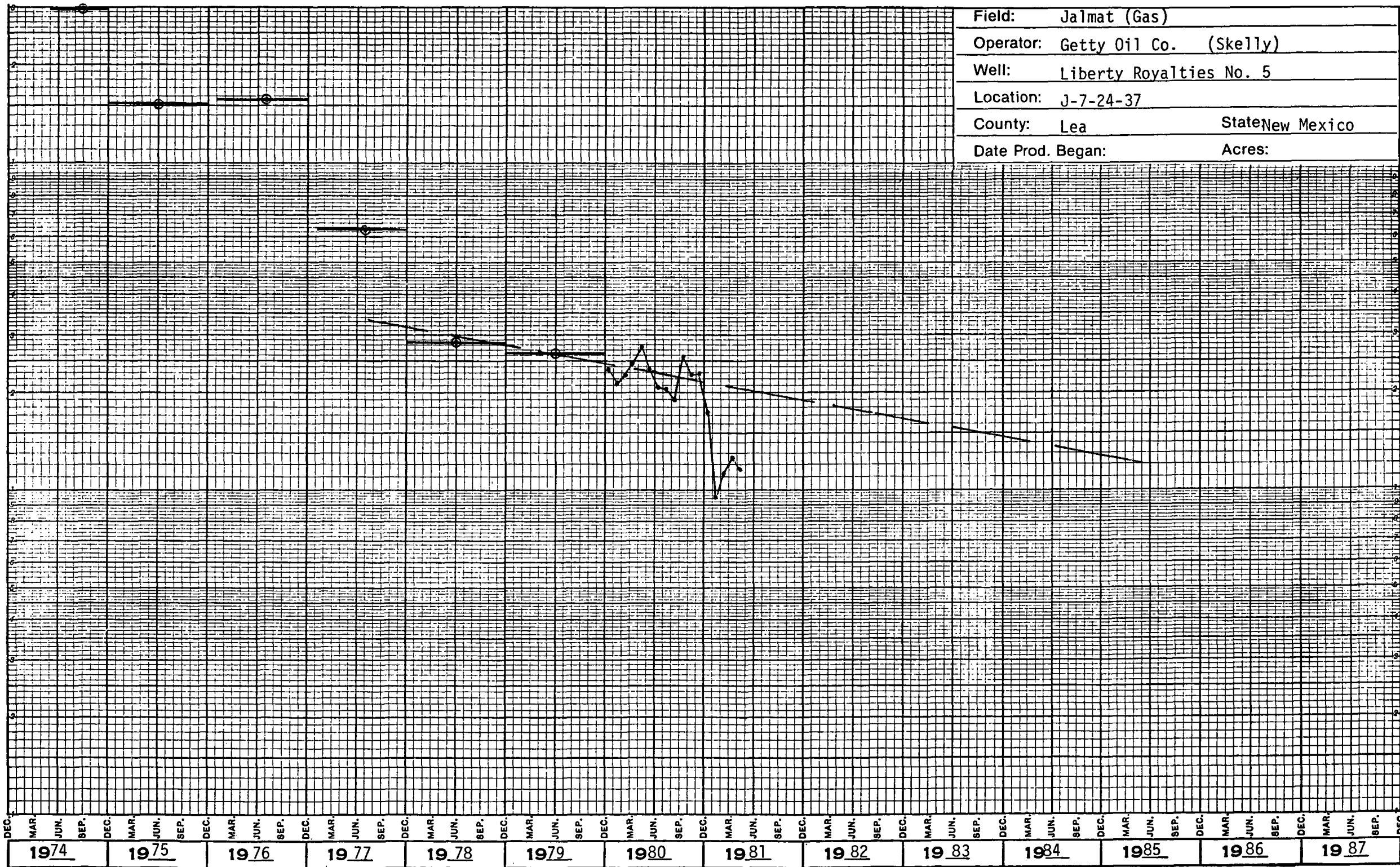
J-7-24-37

Gas Production - MCF/month

10000

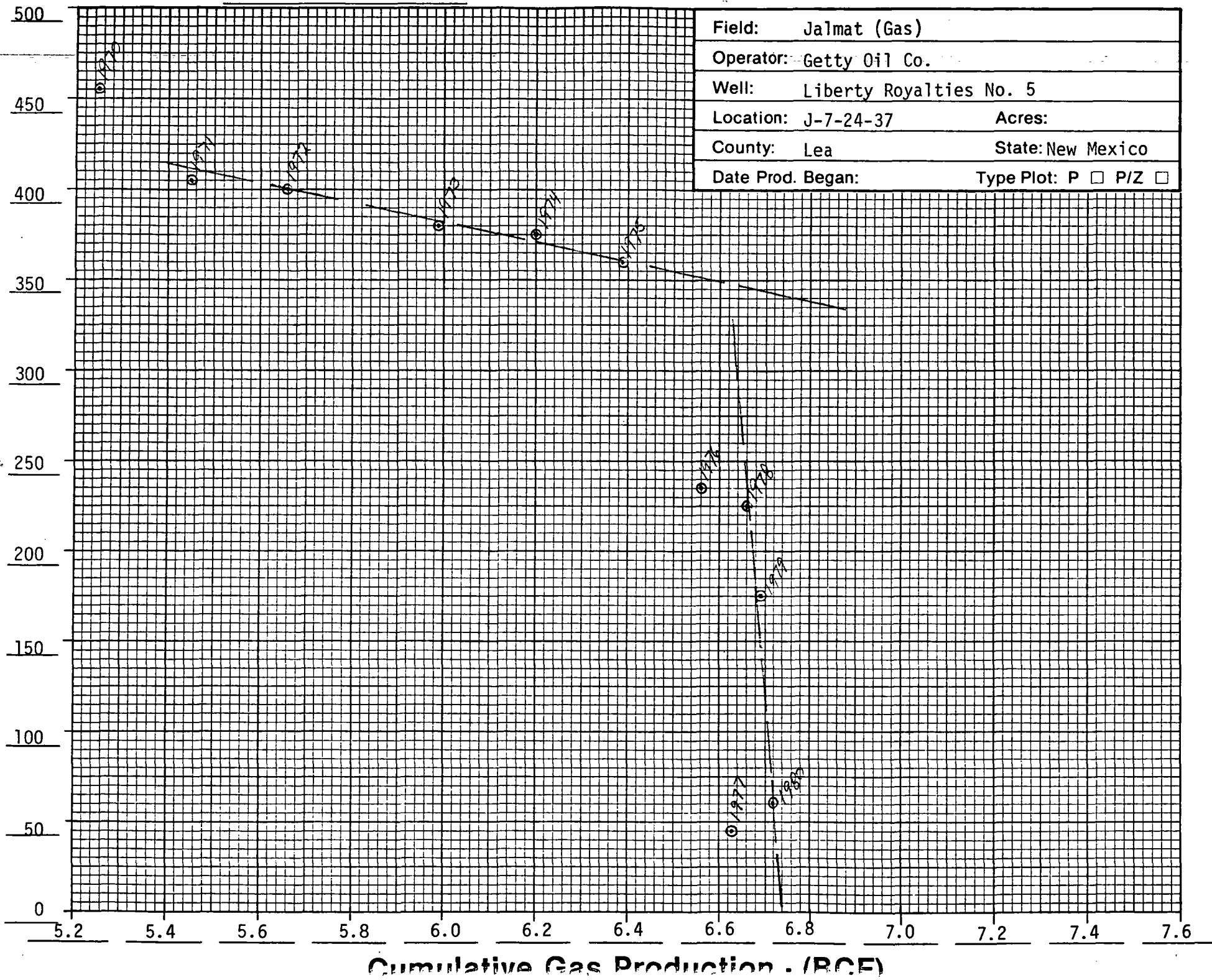
1000

100



Field:	Jalmat (Gas)		
Operator:	Getty Oil Co. (Skelly)		
Well:	Liberty Royalties No. 5		
Location:	J-7-24-37		
County:	Lea	State:	New Mexico
Date Prod. Began:		Acres:	

Pressure or P/Z - (psia)



GAS PRODUCTION HISTORY

te 11-27-79

Page 1 of 2

Operator: King, Warren & Dye A.A. Energy

Well: Toby No. 2

Location: K-7-24-37

Pool: Jalmat Gas

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: _____

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1979	12	4615	385	3853.8	231.2	235	
1978	12	20889	1741	3849.2	237.2	240	
1977	12	55804	4650	3828.3	N/A	N/A	
1976	9	65750	7305	3772.5	287.2	300	
1975	10	91312	9131	3706.8	N/A	N/A	
1974	12	186185	15515	3615.5	N/A	N/A	
1973	8	29111	3639	3429.3	N/A	N/A	
1972	11	177449	16132	3400.2	N/A	N/A	
1971	11	123950	11268	3222.8	410.2	440	
1970	0	-0-	-0-	2970.5	403.2	430	
1969	0	-0-	-0-	2970.5	470.2	510	
1968	8	53516	6689	2970.5	473.2	515	
1967	7	101393	14485	2917.0	539.2	590	
1966	10	62915	6291	2815.6	540.2	590	
1965	12	73382	6115	2752.7	578.2	640	
1964	12	110391	9199	2679.3	N/A	N/A	
1963	11	68465	6224	2568.9	N/A	N/A	
1962	12	92852	7738	2500.4	N/A	N/A	
1961	10	90793	9079	2407.6	733.2	840	
1960	11	115617	10511	2316.8	795.2	925	

19 78 Detail Summary

Jan.	2631	July	1828
Feb.	689	Aug.	2007
March	430	Sept.	1767
April	2991	Oct.	1561
May	2586	Nov.	1342
June	1970	Dec.	1087

19 79 Detail Summary

Jan.	1043	July	218
Feb.	809	Aug.	209
March	634	Sept.	228
April	399	Oct.	229
May	203	Nov.	229
June	186	Dec.	228

Production (Y-T-D) 4615 MCF

Days or Months (Y-T-D) 12 mos.

Avg. Rate (Y-T-D) 385 MCF/mo.

GAS PRODUCTION HISTORY

te 7-24-80

Page 2 of 2

Operator: King, Warren & Dye

Well: Toby No. 2

Location: _____ K-7-24-37

Pool: _____ Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas):

Completion Date (Gas): _____ First Production (Gas): _____

Remarks:

[illegible]

19 81 Detail Summary

Jan. <u>81</u>	July <u> </u>
Feb. <u>73</u>	Aug. <u> </u>
March <u>91</u>	Sept. <u> </u>
April <u>82</u>	Oct. <u> </u>
May <u>98</u>	Nov. <u> </u>
June <u> </u>	Dec. <u> </u>

19 80 Detail Summary

Jan.	206	July	141
Feb.	181	Aug.	102
March	193	Sept.	41
April	227	Oct.	86
May	197	Nov.	84
June	50	Dec.	87

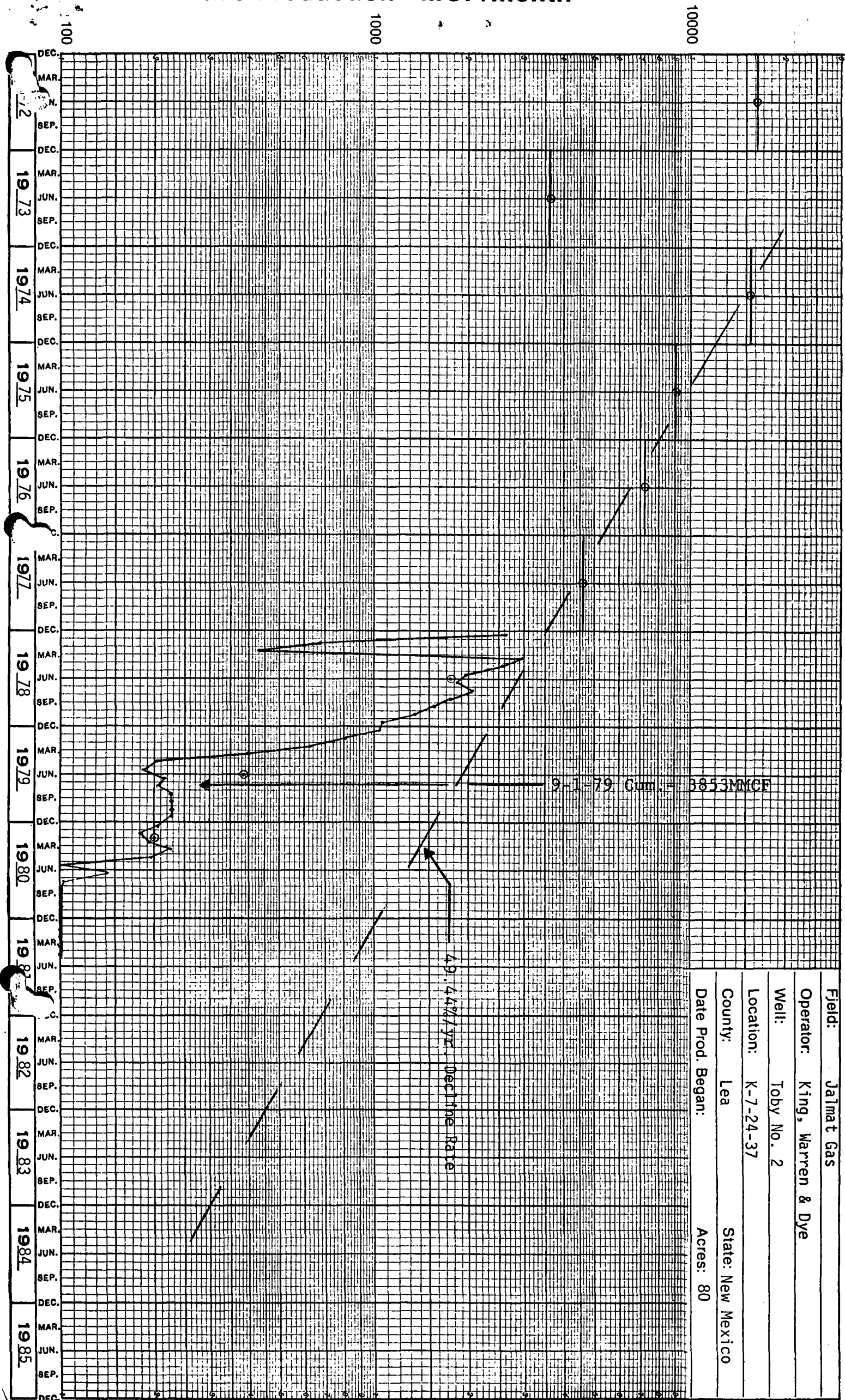
Production (Y-T-D) 245 MCF

Days or Months (Y-T-D) 3 mos.

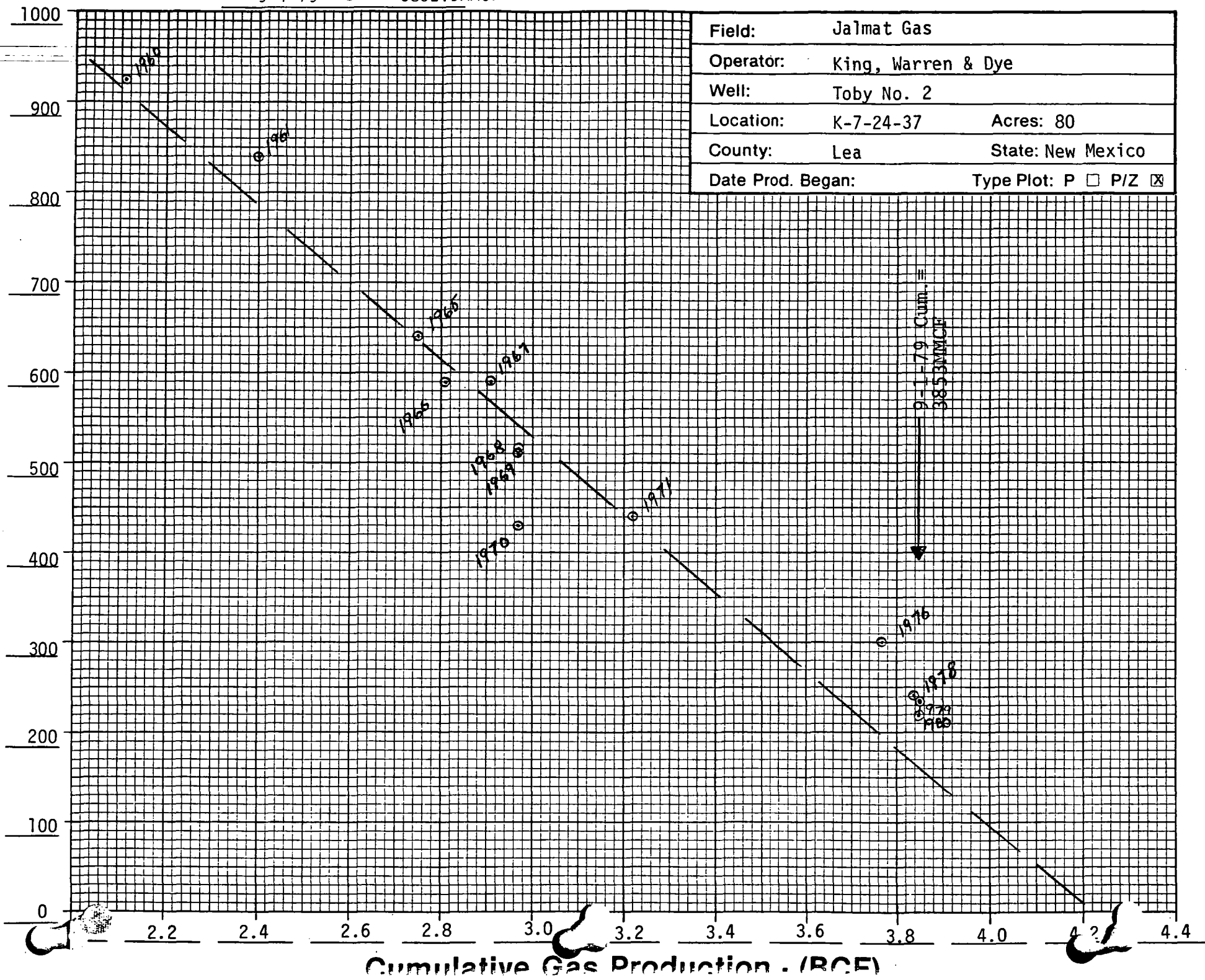
Avg. Rate (Y-T-D) 82 MCF/mo.

K-7-24-37

Gas Production - MCF/month



Pressure or P/Z - (psia)



Field:	Jalmat Gas		
Operator:	King, Warren & Dye		
Well:	Toby No. 2		
Location:	K-7-24-37	Acres:	80
County:	Lea	State:	New Mexico
Date Prod. Began:	Type Plot: P ☐ P/Z ☒		

GAS PRODUCTION HISTORY

Date 8-18-80

Page 1 of 1

Operator: Getty

Well: S. E. Toby No. 1

Location: M-7-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: Last Production 11-79.

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z
1980	12	0	0	3501.1	N/A	N/A
1979	11	17871	1625	3501.1	65.2	70
1978	12	46370	3864	3483.3	125.2	130
1977	8	69225	8653	3436.9	216.2	225
1976	12	146424	12202	3367.7	231.2	240
1975	12	658	55	3221.3	97.2	100
1974	12	1143	95	3220.6	23.2	25
1973	12	1792	149	3219.4	163.2	165
1972	12	1818	151	3217.7	170.2	175
1971	12	2014	168	3215.8	177.2	180
1970	12	2406	200	3213.8	176.2	180
1969	12	4913	409	3211.4	103.2	105
1968	12	13640	1137	3206.5	213.2	225
1967	12	24278	2023	3192.9	219.2	230
1966	12	34435	2870	3168.6	209.2	220
1965	12	12939	1078	3134.2	293.2	310
1964	12	26508	2209	3121.2	285.2	300
1963	12	29784	2482	3094.7	303.2	320
1962	12	33465	2789	3064.9	258.2	265
1961	12	27695	2308	3031.5	308.2	325

19 79 Detail Summary

Jan.	3010	July	1223
Feb.	991	Aug.	476
March	486	Sept.	77
April	3985	Oct.	51
May	5634	Nov.	19
June	1919	Dec.	0

19 80 Detail Summary

Jan.	0	July	0
Feb.	0	Aug.	0
March	0	Sept.	0
April	0	Oct.	0
May	0	Nov.	0
June	0	Dec.	0

Production (Y-T-D) 0 MCF

Days or Months (Y-T-D) 12 mos.

Avg. Rate (Y-T-D) 0 MCF/mo.

GAS PRODUCTION HISTORY

Date 8-10-81

Page 1 of 2

Operator: Getty

Well: S. E. Toby No. 1

Location: M-7-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: Last Production 11-79.

[illegible]19 81 Detail Summary

Jan. _____	0 _____	July _____
Feb. _____	0 _____	Aug. _____
March _____	0 _____	Sept. _____
April _____	0 _____	Oct. _____
May _____	0 _____	Nov. _____
June _____	_____	Dec. _____

19_____ Detail Summary

Jan. _____	July _____
Feb. _____	Aug. _____
March _____	Sept. _____
April _____	Oct. _____
May _____	Nov. _____
June _____	Dec. _____

Production (Y-T-D) _____

Days or Months (Y-T-D) _____

Avg. Rate (Y-T-D) _____

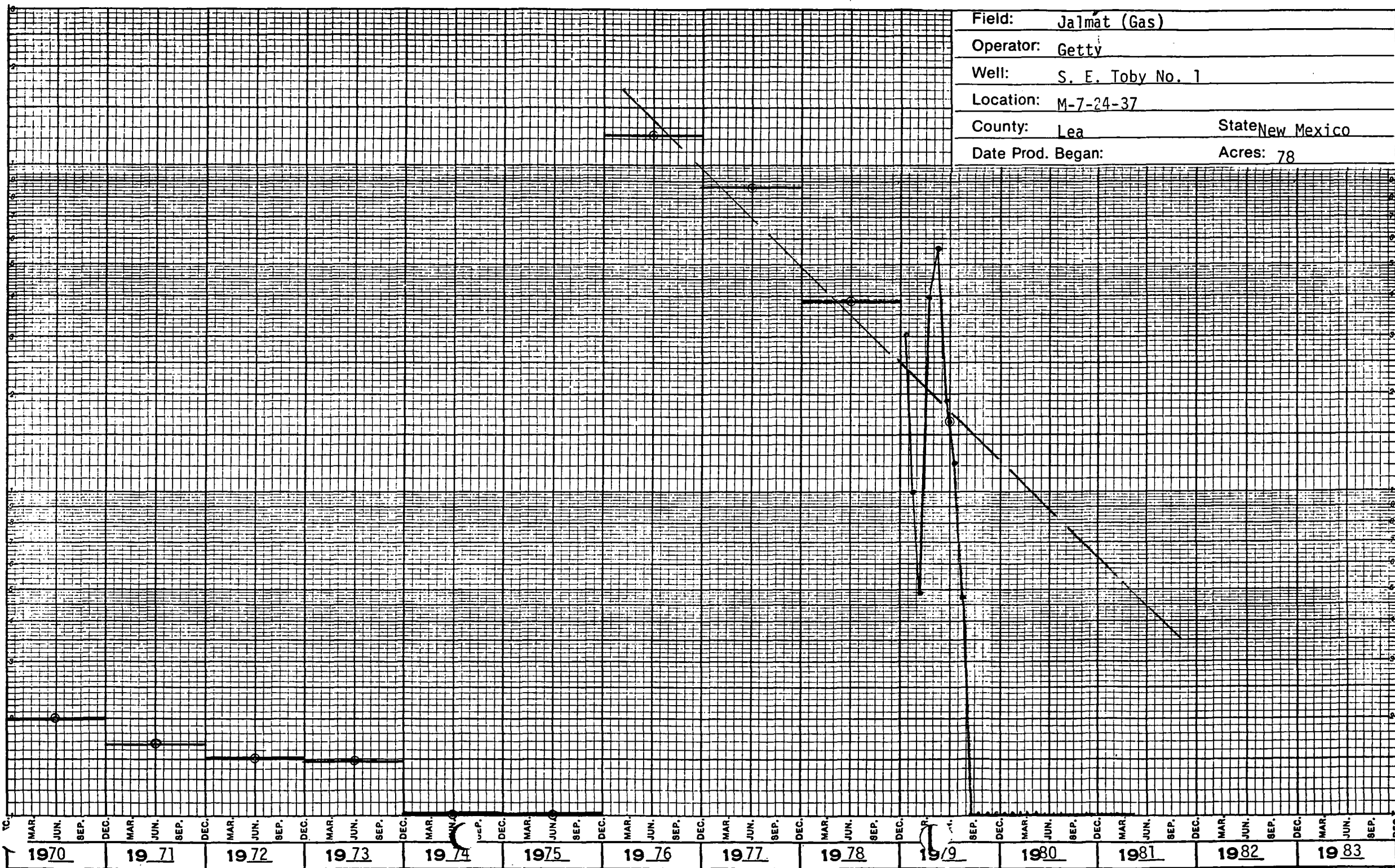
Gas Production - MCF/month

10000

1000

100

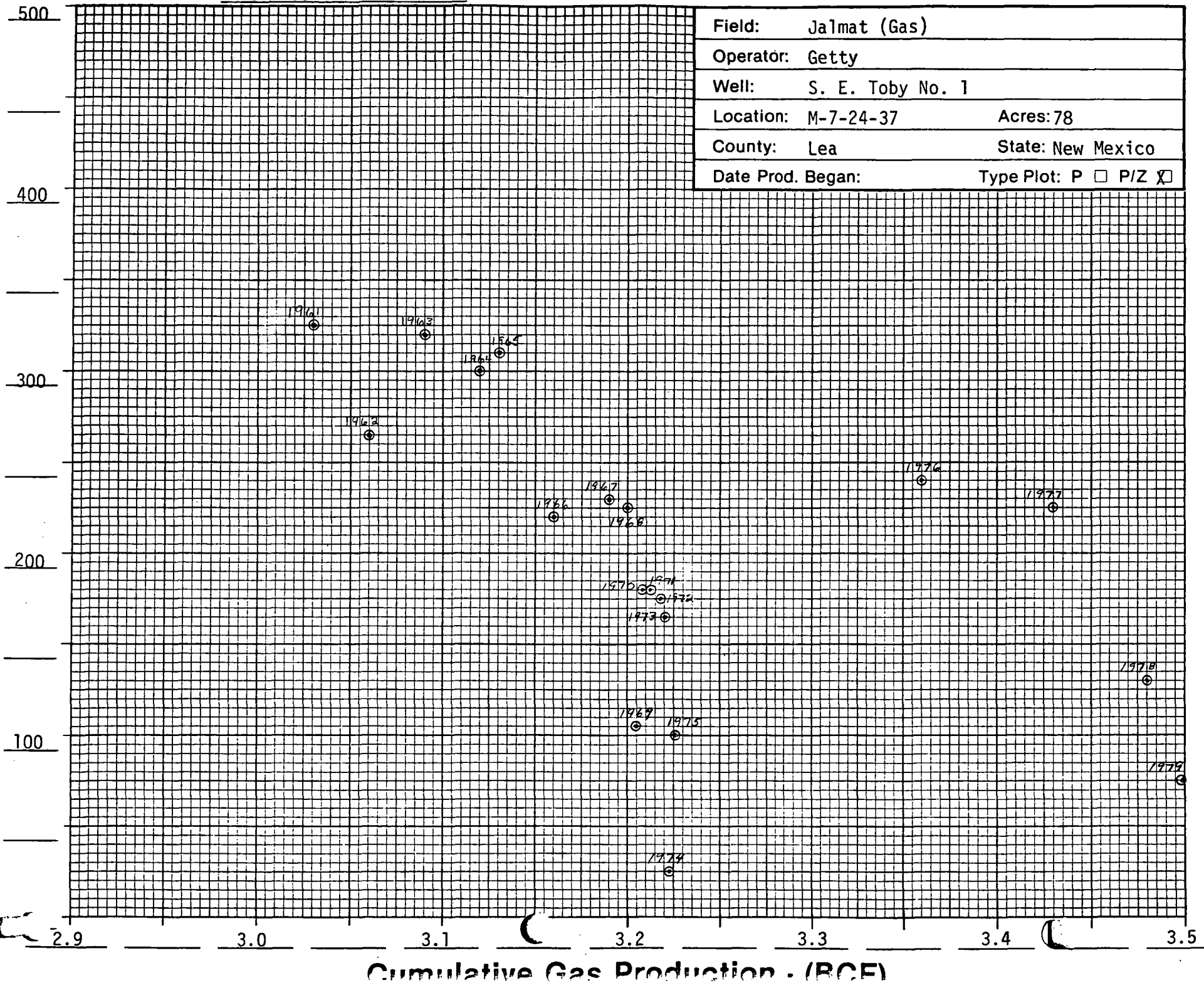
Field:	Jalmat (Gas)		
Operator:	Getty		
Well:	S. E. Toby No. 1		
Location:	M-7-24-37		
County:	Lea	State	New Mexico
Date Prod. Began:		Acres:	78



6-1-80 Cum. 3501.1 MMCF

Pressure or P/Z - (psia)

Field:	Jalmat (Gas)		
Operator:	Getty		
Well:	S. E. Toby No. 1		
Location:	M-7-24-37	Acres:	78
County:	Lea	State:	New Mexico
Date Prod. Began:		Type Plot:	P ☐ P/Z ☒



GAS PRODUCTION HISTORY

Date 8-11-81

Page 1 of 1

Operator: Amerada Hess Corp.

Well: O. M. Hodges No. 1

Location: I-8-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: _____

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1970	12	114044	9504	2993.5	371.7	395	
1971	12	91645	7637	3085.2	374.1	400	
1972	12	82030	6836	3167.2	329.5	350	
1973	12	73627	6136	3240.8	301.9	320	
1974	12	73049	6087	3313.9	280.2	295	
1975	12	51197	4266	3365.1	265.2	275	
1976	12	56334	4694	3421.4	241.2	250	
1977	12	48258	4021	3469.7	160.2	165	
1978	12	33433	2786	3503.1	135.2	140	
1979	12	30205	2517	3533.3	140.2	145	
1980	12	38743	3229	3572.0	135.2	140	
1981	4	11652	2913	3583.7	N/A	N/A	

19 80 Detail Summary

Jan.	3056	July	4176
Feb.	2532	Aug.	3547
March	3601	Sept.	2988
April	3232	Oct.	3370
May	890	Nov.	3888
June	3591	Dec.	3872

19 81 Detail Summary

Jan.	3132	July	
Feb.	3043	Aug.	
March	2823	Sept.	
April	2654	Oct.	
May		Nov.	
June		Dec.	

Production (Y-T-D) 11652 MCF

Days or Months (Y-T-D) 4 mos.

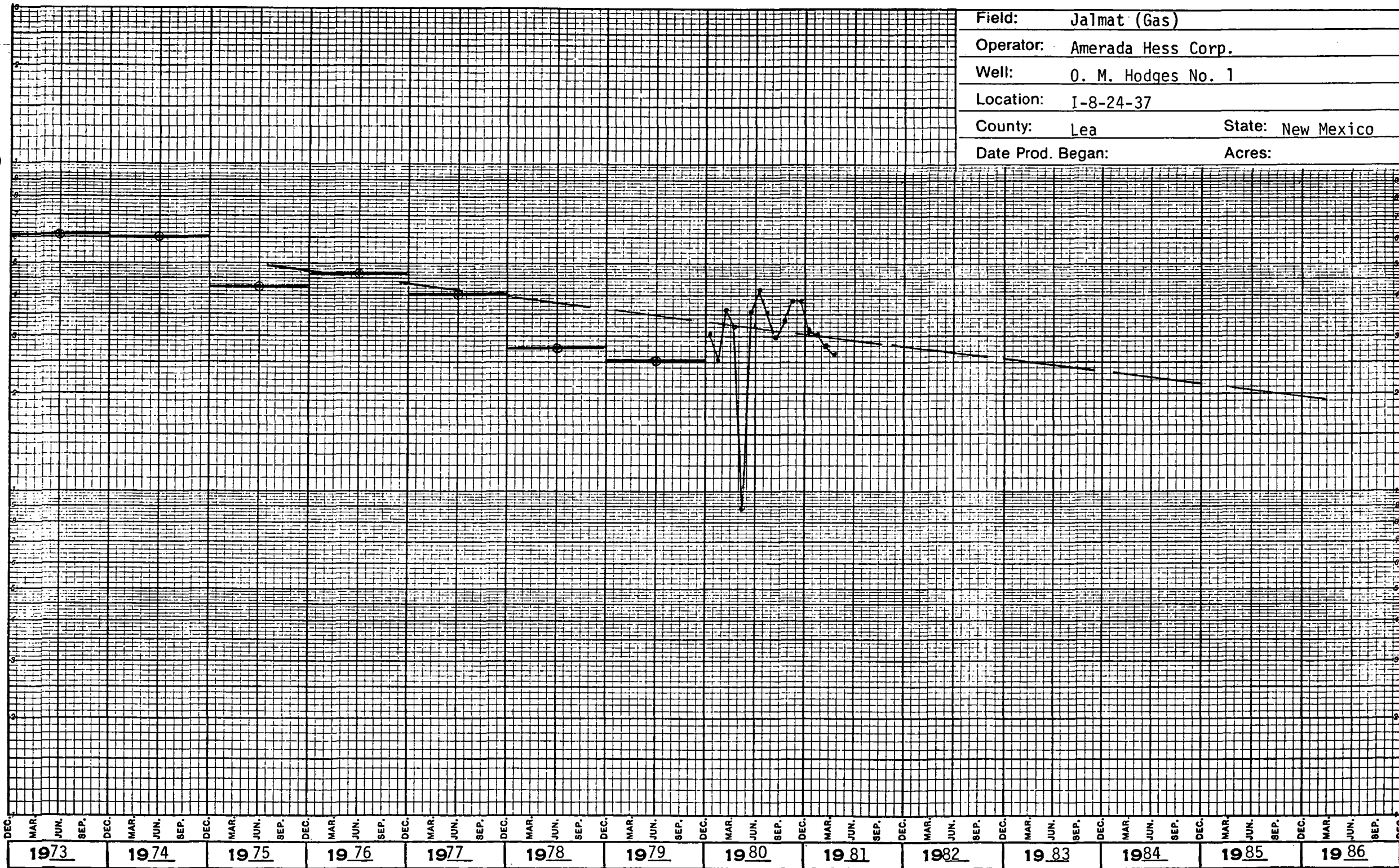
Avg. Rate (Y-T-D) 2913 MCF/mo.

Gas Production - MCF/month

10000

1000

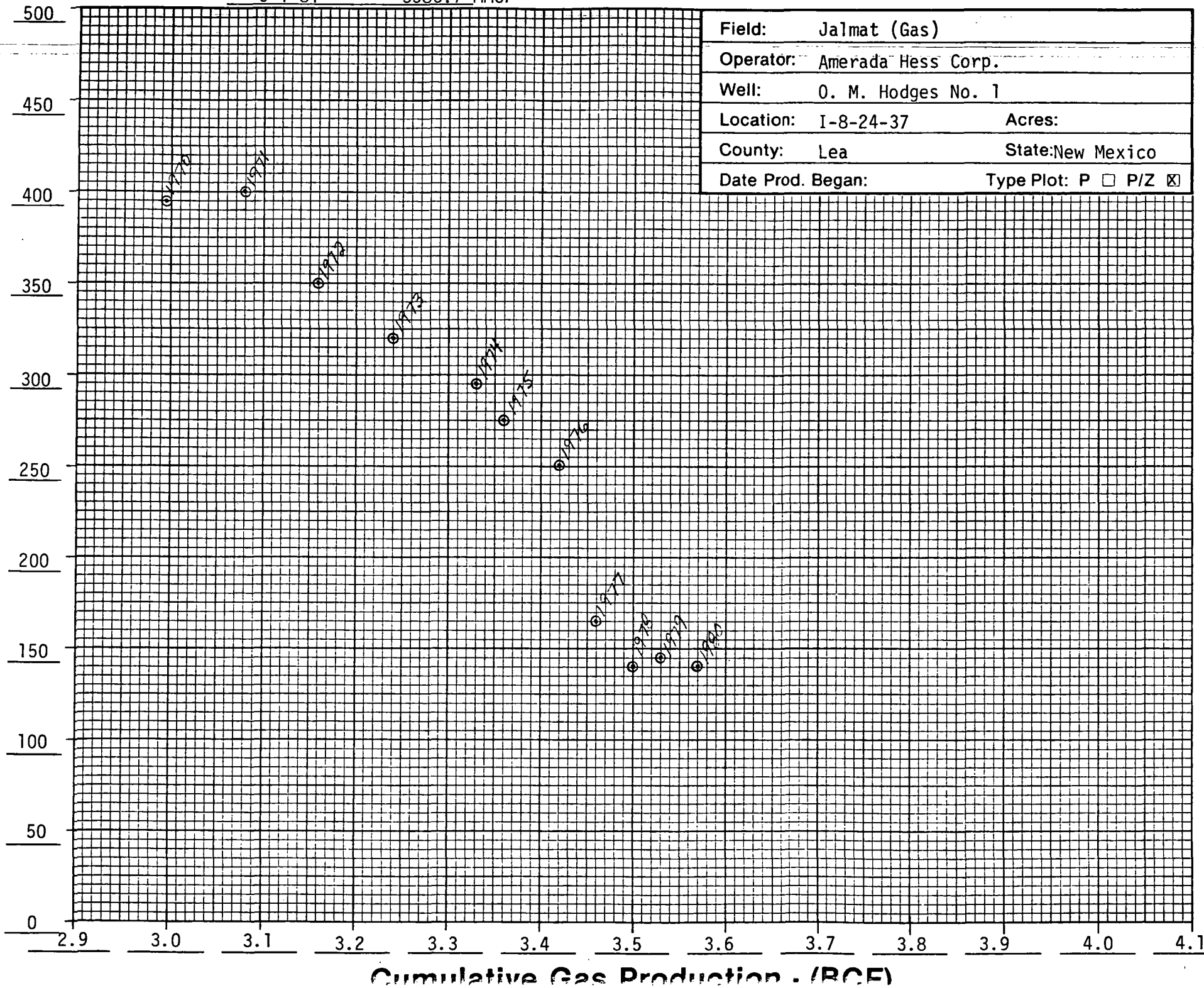
100



Field:	Jalmat (Gas)		
Operator:	Amerada Hess Corp.		
Well:	O. M. Hodges No. 1		
Location:	I-8-24-37		
County:	Lea	State:	New Mexico
Date Prod. Began:		Acres:	

5-1-81 Cum. 3583.7 MMCF

Pressure or P/Z - (psia)



GAS PRODUCTION HISTORY

Date 8-11-81

Page 1 of 5

Operator: _____ Continental Oil Co.

Well: Cooper "8" No. 1

Location: _____ L-8-24-37

Pool: _____ Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas):

Completion Date (Gas): _____ **First Production (Gas):** _____

Remarks:

[illegible]

19 80 Detail Summary

Jan.	<u>10610</u>	July	<u>6324</u>
Feb.	<u>9734</u>	Aug.	<u>8672</u>
March	<u>10019</u>	Sept.	<u>6843</u>
April	<u>9324</u>	Oct.	<u>5068</u>
May	<u>8205</u>	Nov.	<u>2</u>
June	<u>9210</u>	Dec.	<u>0</u>

1981 Detail Summary

Jan.	<u>0</u>	July	<u> </u>
Feb.	<u>0</u>	Aug.	<u> </u>
March	<u>9</u>	Sept.	<u> </u>
April	<u>0</u>	Oct.	<u> </u>
May	<u>0</u>	Nov.	<u> </u>
June	<u> </u>	Dec.	<u> </u>

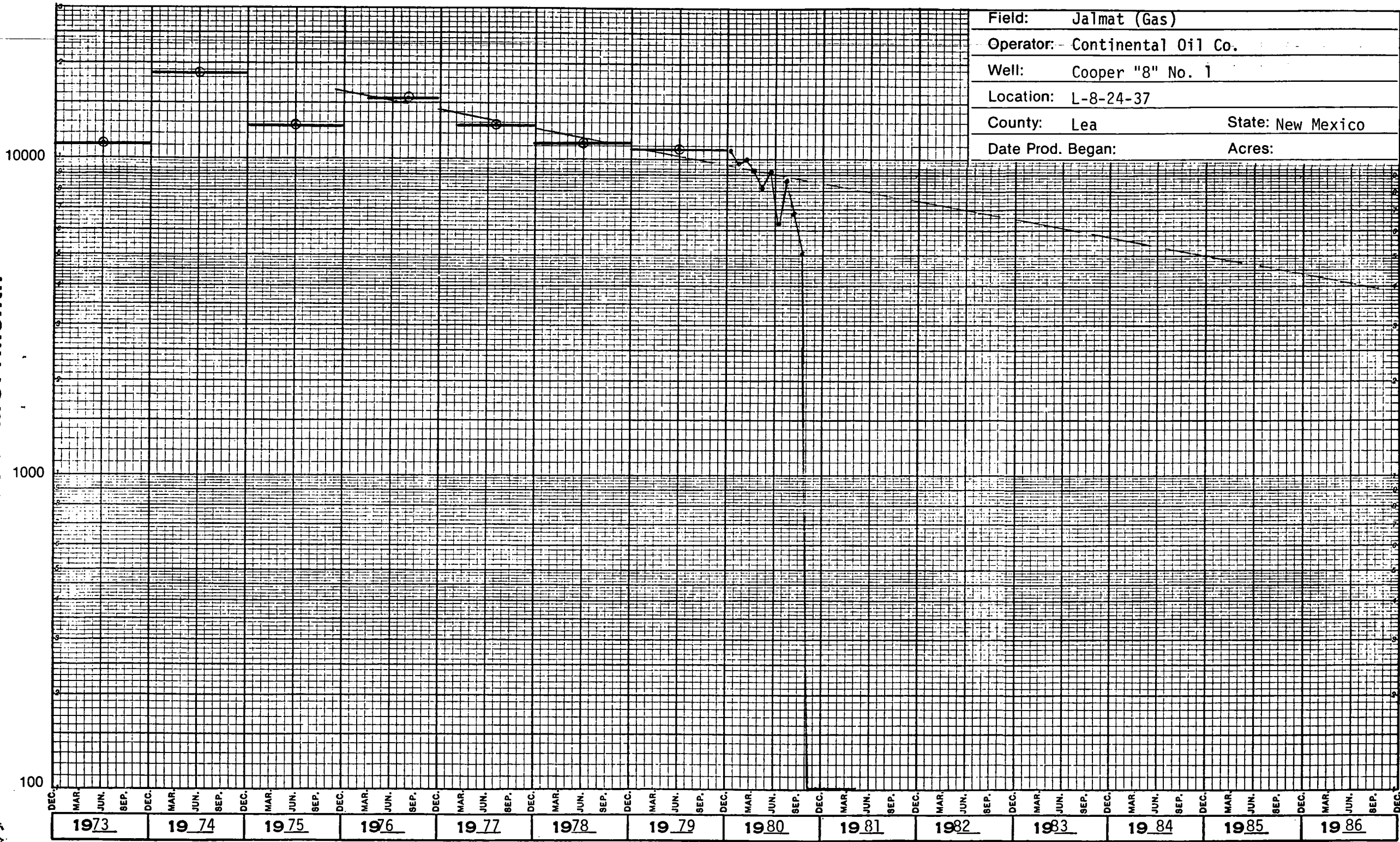
Production (Y-T-D) 9 MCF

Avg. Rate (Y-T-D) 9 MCF/mo.

Days or Months (Y-T-D) 1 mos.

L-8-24-37

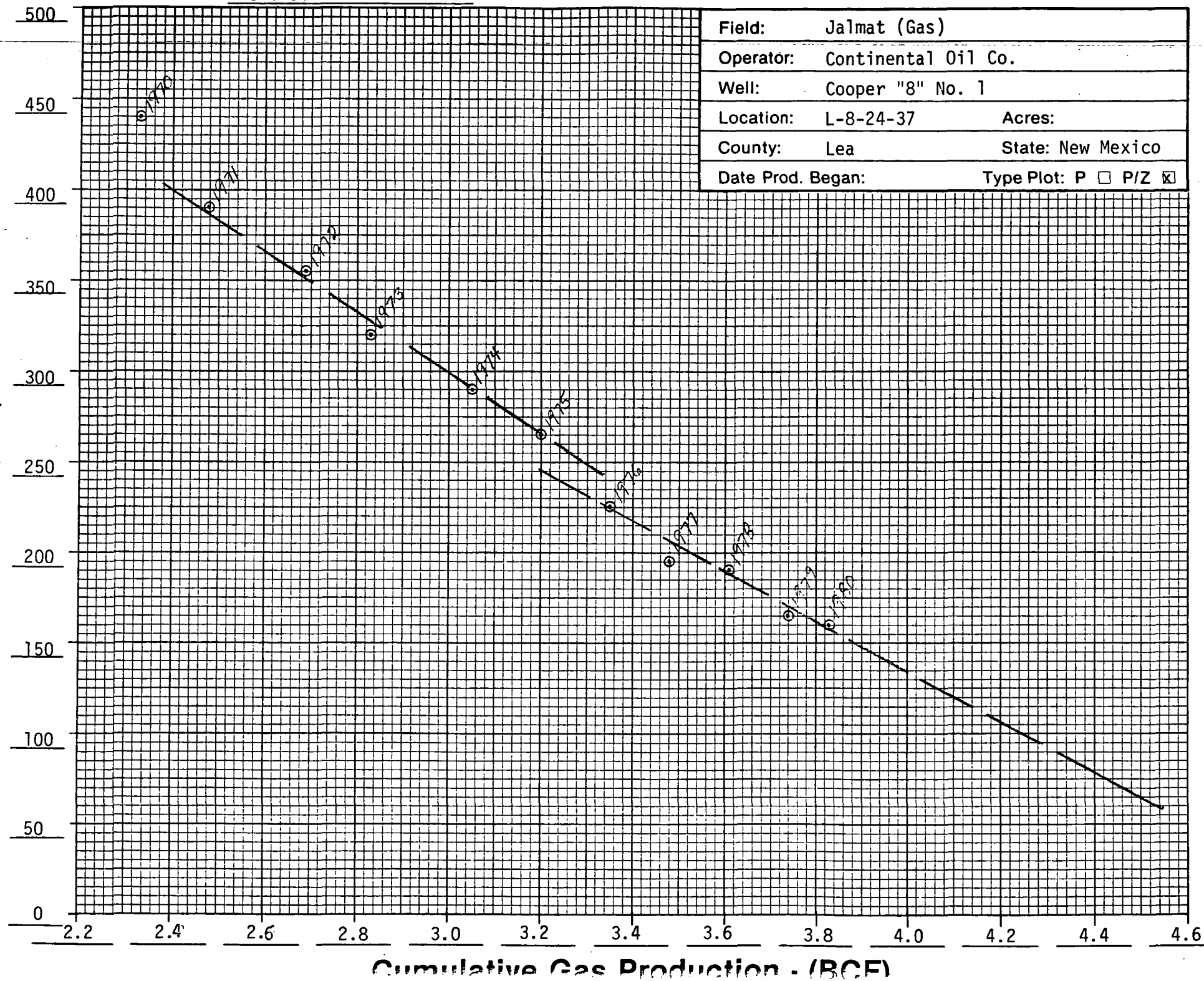
Gas Production - MCF/month



Field:	Jalmat (Gas)		
Operator:	Continental Oil Co.		
Well:	Cooper "8" No. 1		
Location:	L-8-24-37		
County:	Lea	State:	New Mexico
Date Prod. Began:		Acres:	

6-1-81 Cum. 3831.9 MMcf

Pressure or P/Z - (psia)



GAS PRODUCTION HISTORY

Date 8-11-81

Page 1 of 11

Operator: Gulf

Well: Fowler Hair No. 1

Location: M-8-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: _____

[illegible]1980 Detail Summary

Jan. 550 July 367

Feb. 585 Aug. 337

March 647 Sept. 3367

April 497 Oct. 4039

May 60 Nov. 0

June 515 Dec. 0

19_81_____ Detail Summary

Jan. 0 July 1971

Feb. 0 Aug. 1

March 5999 Sept. 11

April 7279 Oct. 7279

May 1420 Nov. 1420

June _____ Dec. _____

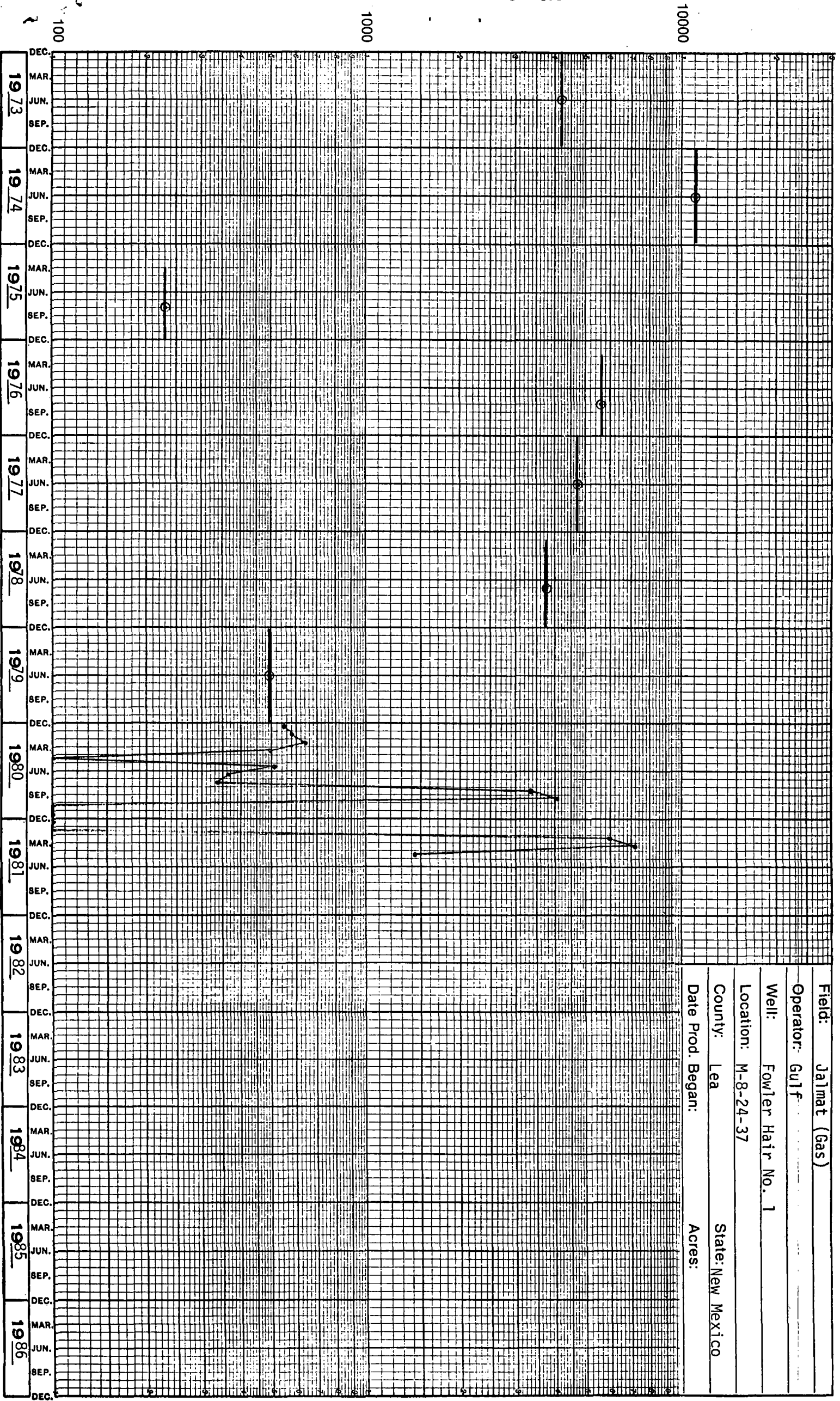
Production (Y-T-D) 14698 MCF

Avg. Rate (Y-T-D) 4899 MCF/mo.

Days or Months (Y-T-D) 3 mos.

M-8-24-37

Gas Production - MCF/month



Field: Jalmat (Gas)

Operator: Gulf

Well: Fowler Hair No. 1

Location: M-8-24-37

County: Lea

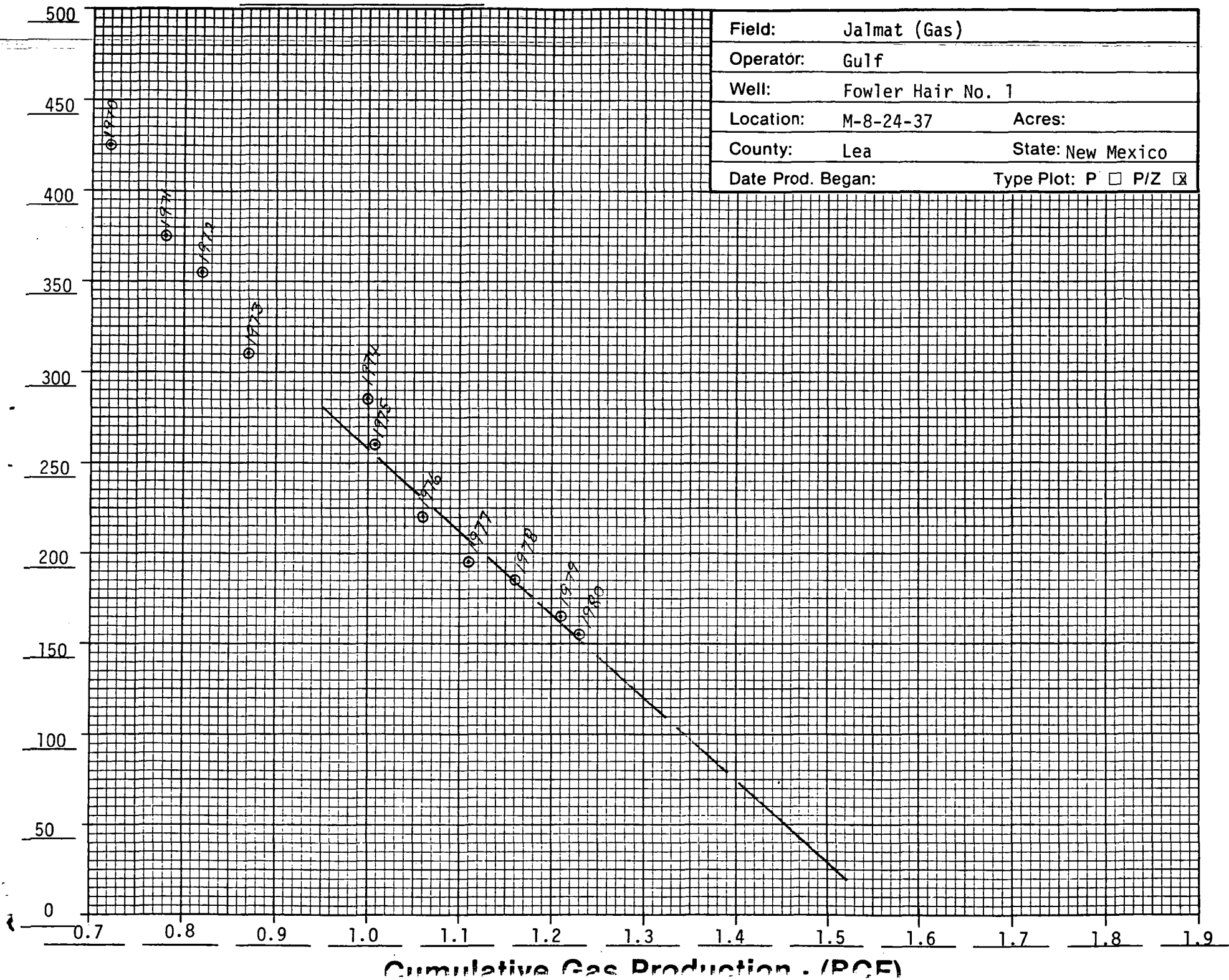
State: New Mexico

Date Prod. Began:

Acres:

Pressure or P/Z - (psia)

Field:	Jalmat (Gas)		
Operator:	Gulf		
Well:	Fowler Hair No. 1		
Location:	M-8-24-37	Acres:	
County:	Lea	State:	New Mexico
Date Prod. Began:		Type Plot:	P ☐ P/Z ☒



GAS PRODUCTION HISTORY

Date 8-12-81

Page 1 of 11

Operator: Amoco

Well: Myers "B" Federal RA-A No. 13

Location: L-9-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: _____

[illegible]

1980 Detail Summary

Jan. 517 July 567

Feb. 469 Aug. 505

March 446 Sept. 467

April 481 Oct. 346

May 457 Nov. 337

June 602 Dec. 232

1981 Detail Summary

Jan. 251 July 251

Feb. 251 Aug. 11

March 237 Sept. 237

April 188 Oct. 188

May 277 Nov. 277

June _____ Dec. _____

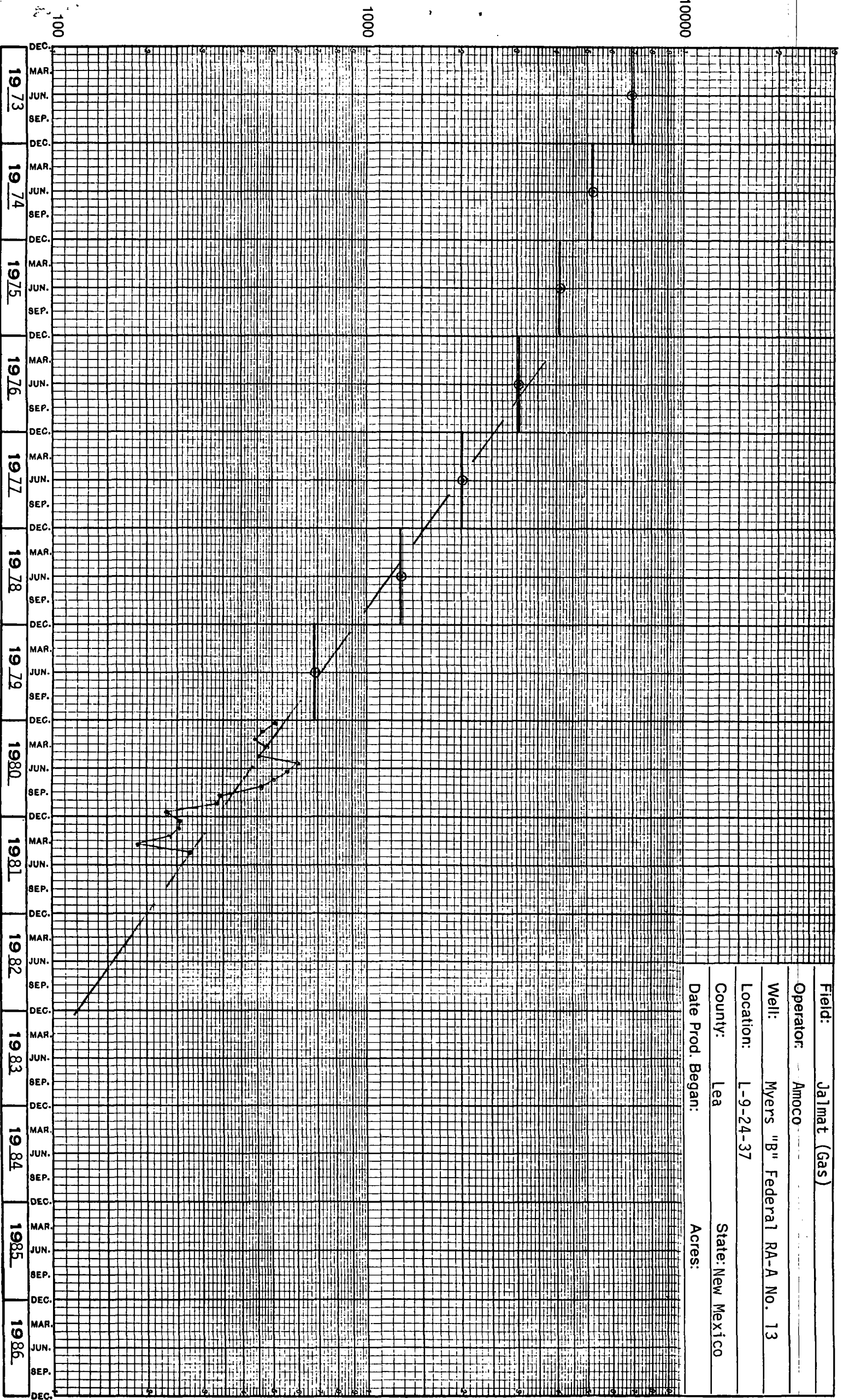
Production (Y-T-D)	1204 MCF
--------------------	----------

Avg. Rate (Y-T-D) 241 MCF/mo.

Days or Months (Y-T-D) 5 mos.

L-9-24-37

Gas Production - MCF/month

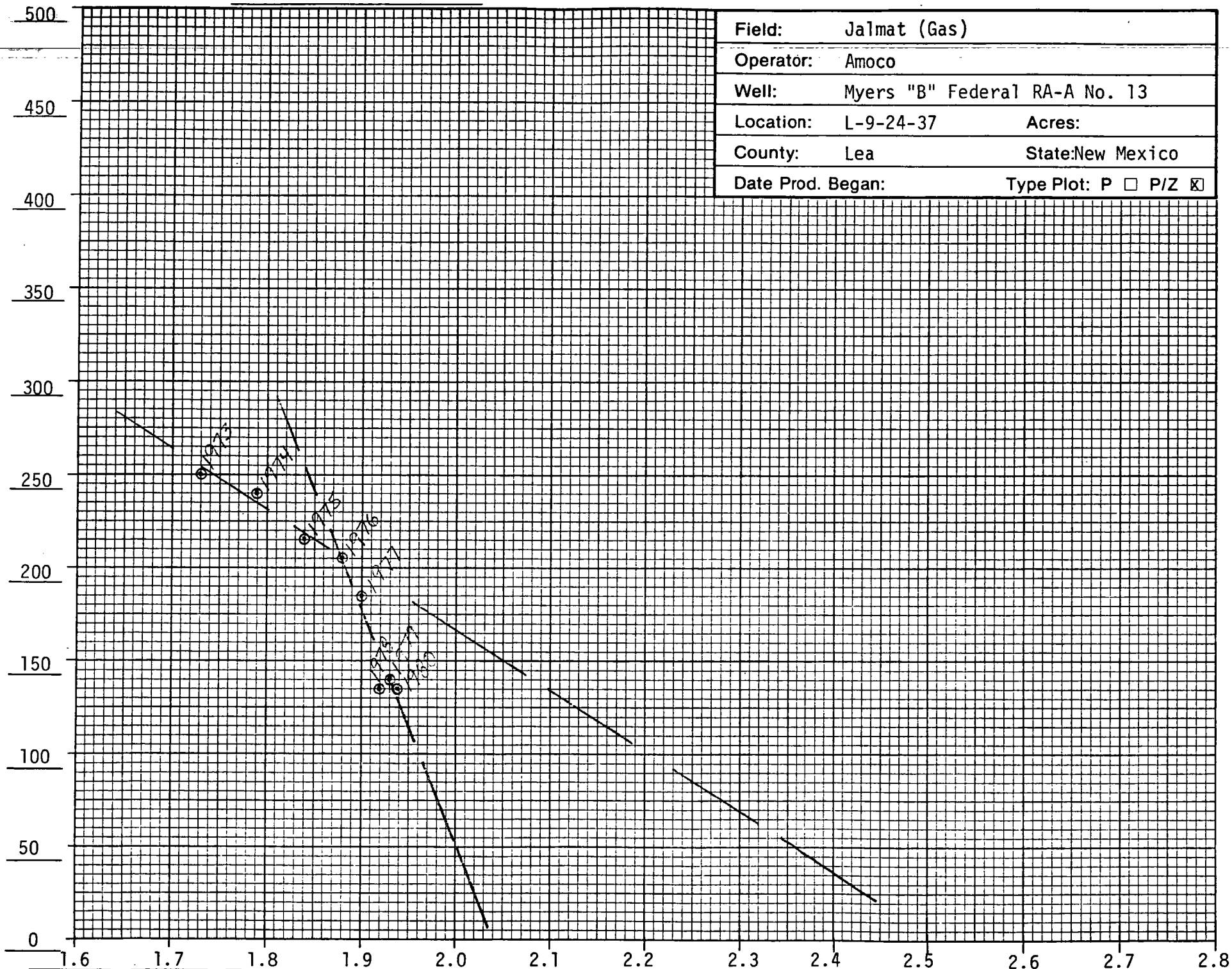


Field: Jalmat (Gas)
Operator: Amoco
Well: Myers "B" Federal RA-A No. 13
Location: L-9-24-37
County: Lea State: New Mexico
Date Prod. Began: Acres:

Pressure or P/Z - (psia)

Cumulative Gas Production - (BCE)

Field:	Jalmat (Gas)		
Operator:	Amoco		
Well:	Myers "B" Federal RA-A No. 13		
Location:	L-9-24-37	Acres:	
County:	Lea	State:	New Mexico
Date Prod. Began:		Type Plot:	P ☐ P/Z ☒



GAS PRODUCTION HISTORY

Date 7-23-81

Page 1 of 1

Operator: Getty

Well: Mexico "G" No. 1

Location: D-16-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: _____

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1968	9	104226	11581	3136.2	384.2	410	
1969	10	148153	14815	3284.4	344.2	365	
1970	10	126530	12653	3410.9	338.2	360	
1971	12	152111	12676	3563.0	301.2	320	
1972	12	209924	17494	3773.0	251.2	265	
1973	12	180094	15008	3953.0	233.2	245	
1974	12	150956	12580	4104.0	218.2	225	
1975	12	136342	11362	4240.3	201.2	210	
1976	12	120379	10032	4360.7	185.2	190	
1977	12	102259	8522	4463.0	163.2	170	
1978	12	87882	7323	4550.9	154.2	160	
1979	12	57932	4828	4608.8	121.2	125	
1980	12	52450	4371	4661.2	129.2	135	
1981	5	18183	3637	4679.4	N/A	N/A	

19 80 Detail Summary

Jan. <u>5366</u>	July <u>3195</u>
Feb. <u>4840</u>	Aug. <u>4353</u>
March <u>4943</u>	Sept. <u>4247</u>
April <u>4387</u>	Oct. <u>4324</u>
May <u>4275</u>	Nov. <u>4090</u>
June <u>4370</u>	Dec. <u>4060</u>

19 81 Detail Summary

Jan. <u>3958</u>	July _____
Feb. <u>3472</u>	Aug. _____
March <u>3897</u>	Sept. _____
April <u>3206</u>	Oct. _____
May <u>3650</u>	Nov. _____
June _____	Dec. _____

Production (Y-T-D) 18183 MCF

Days or Months (Y-T-D) 5 mos.

Avg. Rate (Y-T-D) 3637 MCF/mo.

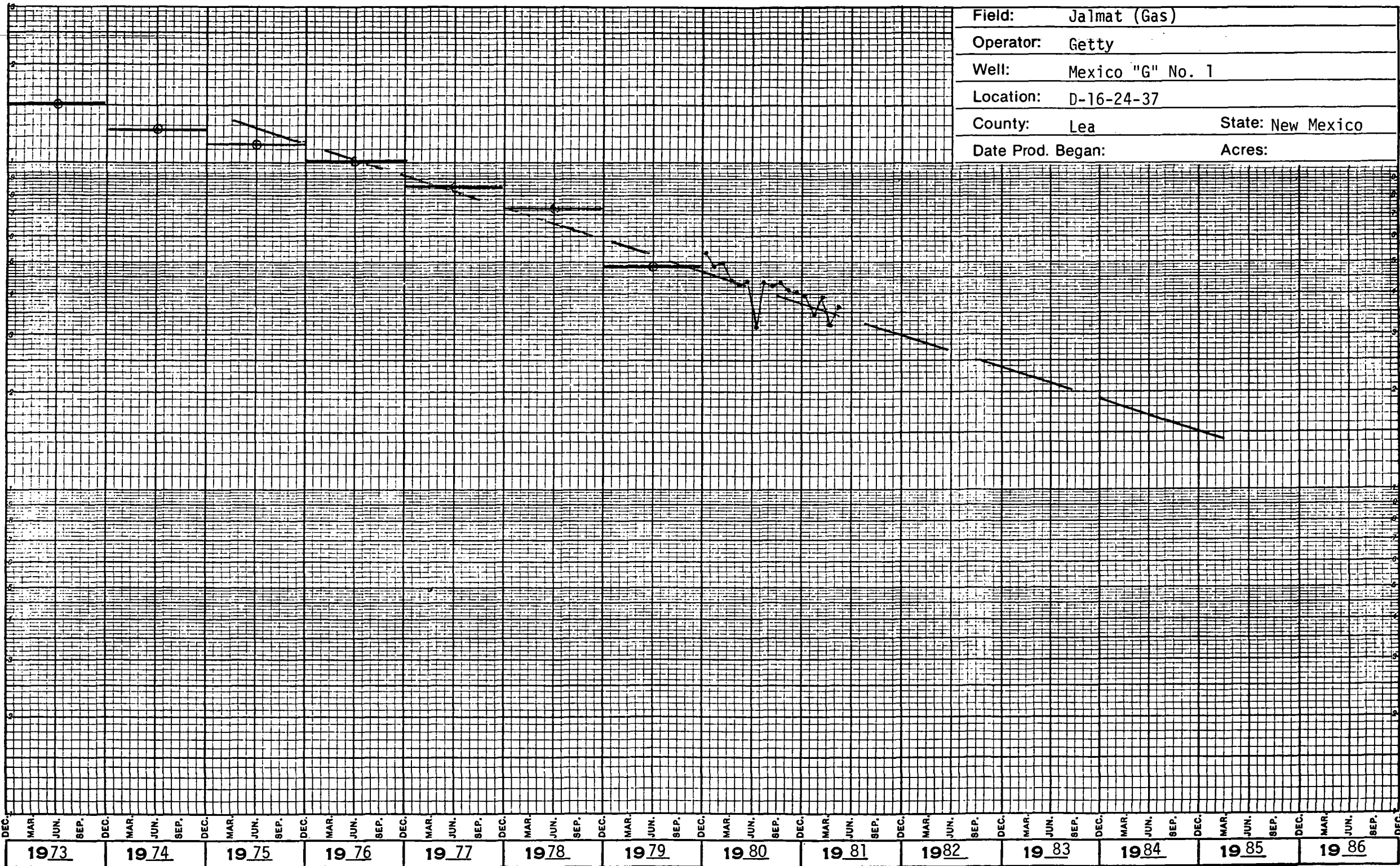
D-16-24-37

Gas Production - MCF/month

10000

1000

100

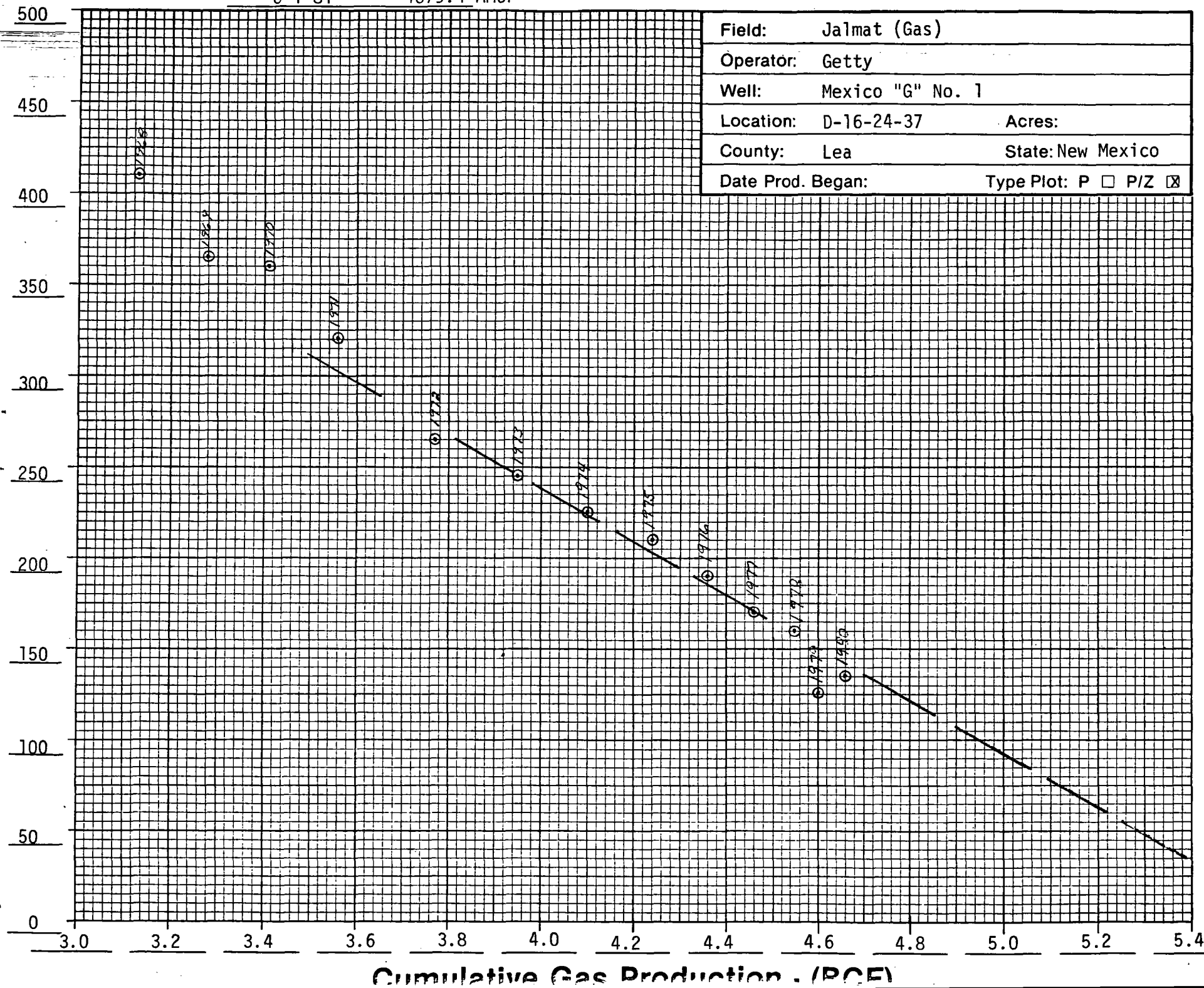


Field:	Jalmat (Gas)	
Operator:	Getty	
Well:	Mexico "G" No. 1	
Location:	D-16-24-37	
County:	Lea	State: New Mexico
Date Prod. Began:	Acres:	

6-1-81 CUM. 46/9.4 MMCF

Pressure or P/Z - (psia)

Field:	Jalmat (Gas)		
Operator:	Getty		
Well:	Mexico "G" No. 1		
Location:	D-16-24-37	Acres:	
County:	Lea	State:	New Mexico
Date Prod. Began:		Type Plot:	P ☐ P/Z ☒



Cumulative Gas Production - (PCF)

GAS PRODUCTION HISTORY

Date 7-16-80

Page 1 of 1

Operator: Gulf

Well: J. R. Holt NCT "A" Com. No. 2

Location: N-16-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: Last Prod. 12-77. Communitization agreement terminated 8-79.

J. R. Holt No. 2 proration unit covered 280 acres in SW/4, W/2 SE/4,

and SW/4 NE/4 Sec. 16. Last production from J. R. Holt No. 2 was 12-77.

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1977	12	13465	1122	2647.5	227.2	235	
1976	12	21700	1808	2634.0	244.2	255	
1975	12	10936	911	2612.3	264.2	275	
1974	12	17261	1438	2601.4	275.2	285	
1973	12	16422	1368	2584.1	318.7	330	
1972	12	22797	1900	2567.7	343.9	365	
1971	12	37286	3107	2544.9	362.2	380	
1970	12	52783	4399	2507.6	367.5	385	
1969	12	83042	6920	2454.8	374.9	395	
1968	12	56312	4693	2371.8	362.7	380	
1967	12	73697	6141	2315.5	367.0	385	
1966	12	86360	7197	2241.8	405.2	435	
1965	12	114312	9526	2155.4	437.5	470	
1964	12	155325	12944	2041.1	507.1	550	
1963	12	140735	11728	1885.8	546.6	600	
1962	12	111498	9291	1745.0	557.6	615	
1961	12	160769	13397	1633.5	681.9	770	
1960	12	193800	16150	1472.8	687.9	780	
1959	12	196835	16403	1278.9	701.2	800	
1958	11	322175	29289	1082.1	N/A	N/A	

19 76 Detail Summary

Jan. <u>1005</u>	July <u>1866</u>
Feb. <u>1029</u>	Aug. <u>2623</u>
March <u>1155</u>	Sept. <u>3753</u>
April <u>1195</u>	Oct. <u>2585</u>
May <u>1665</u>	Nov. <u>1567</u>
June <u>1668</u>	Dec. <u>1589</u>

19 77 Detail Summary

Jan. <u>1584</u>	July <u>1350</u>
Feb. <u>1480</u>	Aug. <u>1242</u>
March <u>1120</u>	Sept. <u>1151</u>
April <u>853</u>	Oct. <u>973</u>
May <u>1326</u>	Nov. <u>860</u>
June <u>1189</u>	Dec. <u>337</u>

Production (Y-T-D) 13465 MCF

Days or Months (Y-T-D) 12 mos.

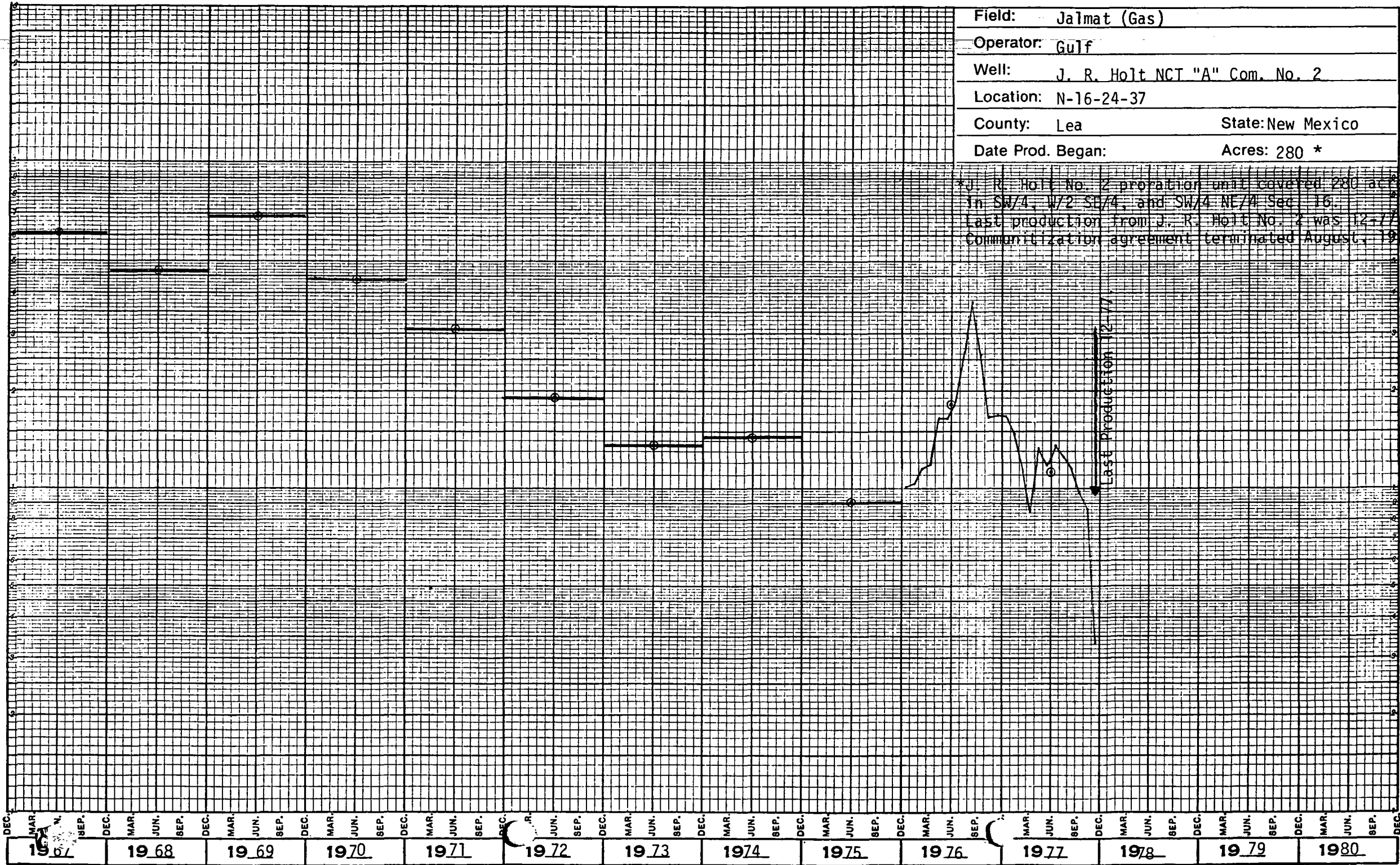
Avg. Rate (Y-T-D) 1122 MCF/mo.

Gas Production - MCF/month

10000

1000

100



Field: Jalmat (Gas)

Operator: Gulf

Well: J. R. Holt NCT "A" Com. No. 2

Location: N-16-24-37

County: Lea

State: New Mexico

Date Prod. Began:

Acres: 280 *

*J. R. Holt No. 2 production unit covered 280 acres in SW/4, W/2 SE/4, and SW/4 NE/4 Sec. 16.

Last production from J. R. Holt No. 2 was 12-77. Communitization agreement terminated August, 1979.

Last Production 12-77

GAS PRODUCTION HISTORY

Date 5-15-81

Page 1 of 1

Operator: Conoco

Well: Jack "B-17" No. 3

Location: A-17-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: _____

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1962	12	368953	30746	3621.4	N/A	N/A	
1963	12	304678	25390	3926.1	612.2	690	
1964	12	379688	31641	4305.8	562.2	625	
1965	12	289628	24136	4595.4	524.2	575	
1966	12	234472	19539	4829.9	487.2	530	
1967	12	319624	26635	5156.0	462.2	500	
1968	10	219774	21977	5375.8	431.2	465	
1969	10	272127	27213	5647.9	380.2	410	
1970	11	297119	27011	5945.1	380.2	410	
1971	10	252756	25276	6197.8	341.2	365	
1972	12	351846	29320	6549.7	272.2	285	
1973	12	212998	17750	6762.7	274.2	285	
1974	12	330348	27529	7093.0	286.2	300	
1975	10	232510	23251	7325.5	250.2	260	
1976	10	193867	19387	7519.4	223.2	235	
1977	12	267081	22257	7786.5	203.2	210	
1978	12	242087	20174	8028.6	172.2	175	
1979	12	224474	18706	8253.0	172.2	175	
1980	12	188913	15743	8441.9	150.2	155	
1981	5	72710	14542	8514.6	N/A	N/A	

19 80 Detail Summary

Jan. <u>18800</u>	July <u>12065</u>
Feb. <u>16382</u>	Aug. <u>14025</u>
March <u>17563</u>	Sept. <u>16816</u>
April <u>17110</u>	Oct. <u>16450</u>
May <u>13813</u>	Nov. <u>15991</u>
June <u>13259</u>	Dec. <u>16639</u>

19 81 Detail Summary

Jan. <u>15864</u>	July _____
Feb. <u>14410</u>	Aug. _____
March <u>15929</u>	Sept. _____
April <u>12633</u>	Oct. _____
May <u>13874</u>	Nov. _____
June _____	Dec. _____

Production (Y-T-D) 30274 MCF

Avg. Rate (Y-T-D) 15137 MCF/mo.

Days or Months (Y-T-D) 2 mos.

A-17-24-37

Gas Production - MCF/month

100,000

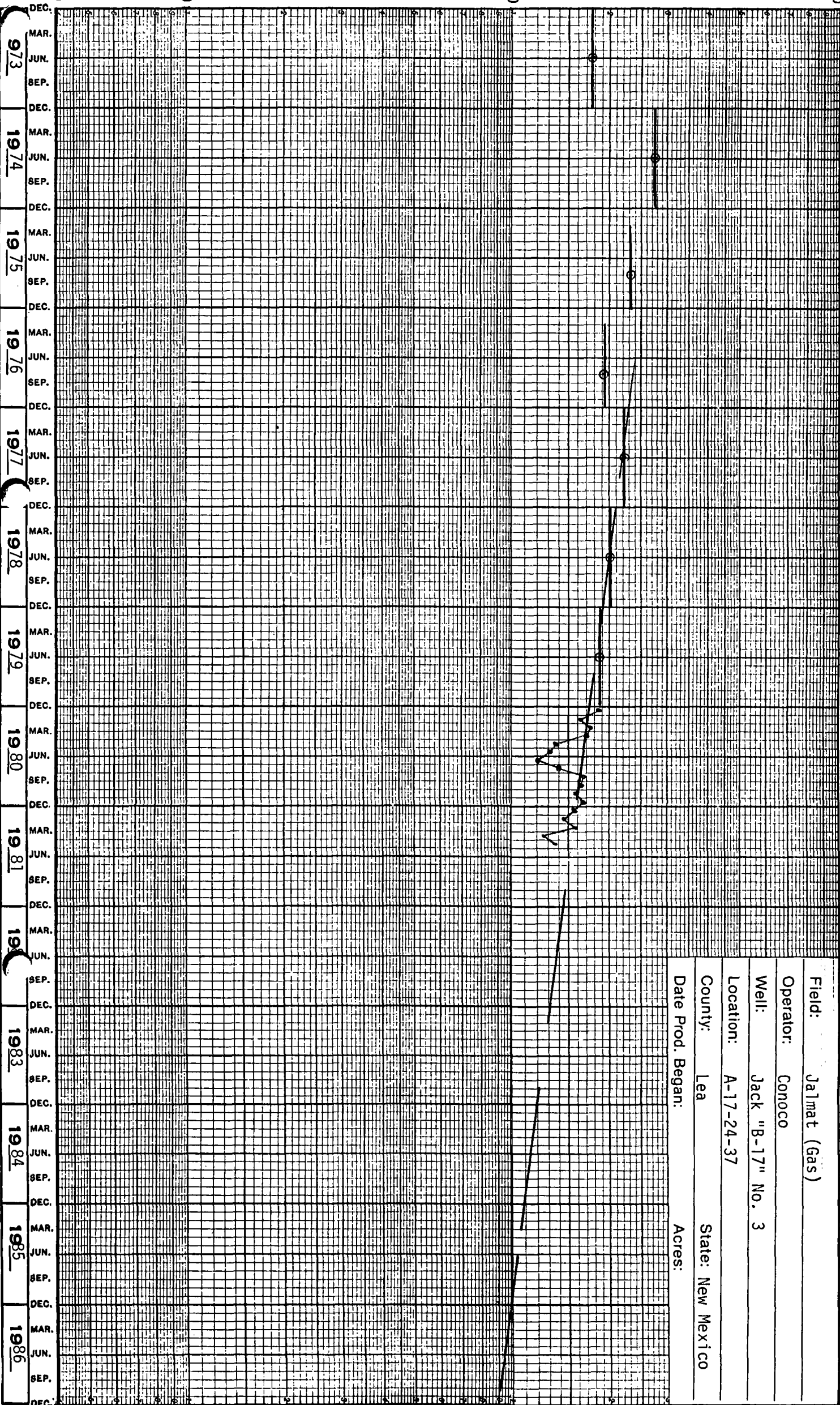
3-1-81

Cum: 8472.2 MMCF

10,000

1,000

400

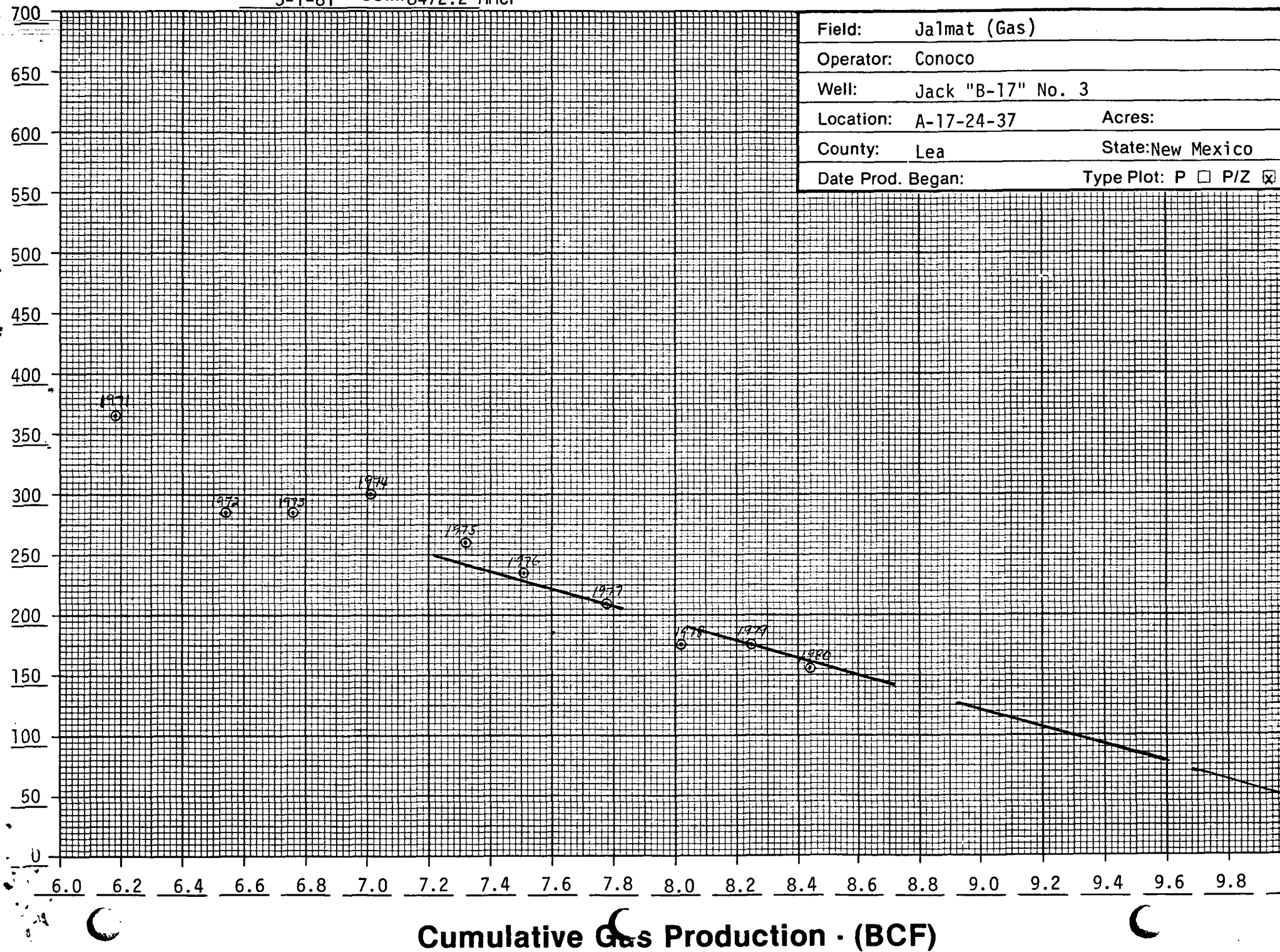


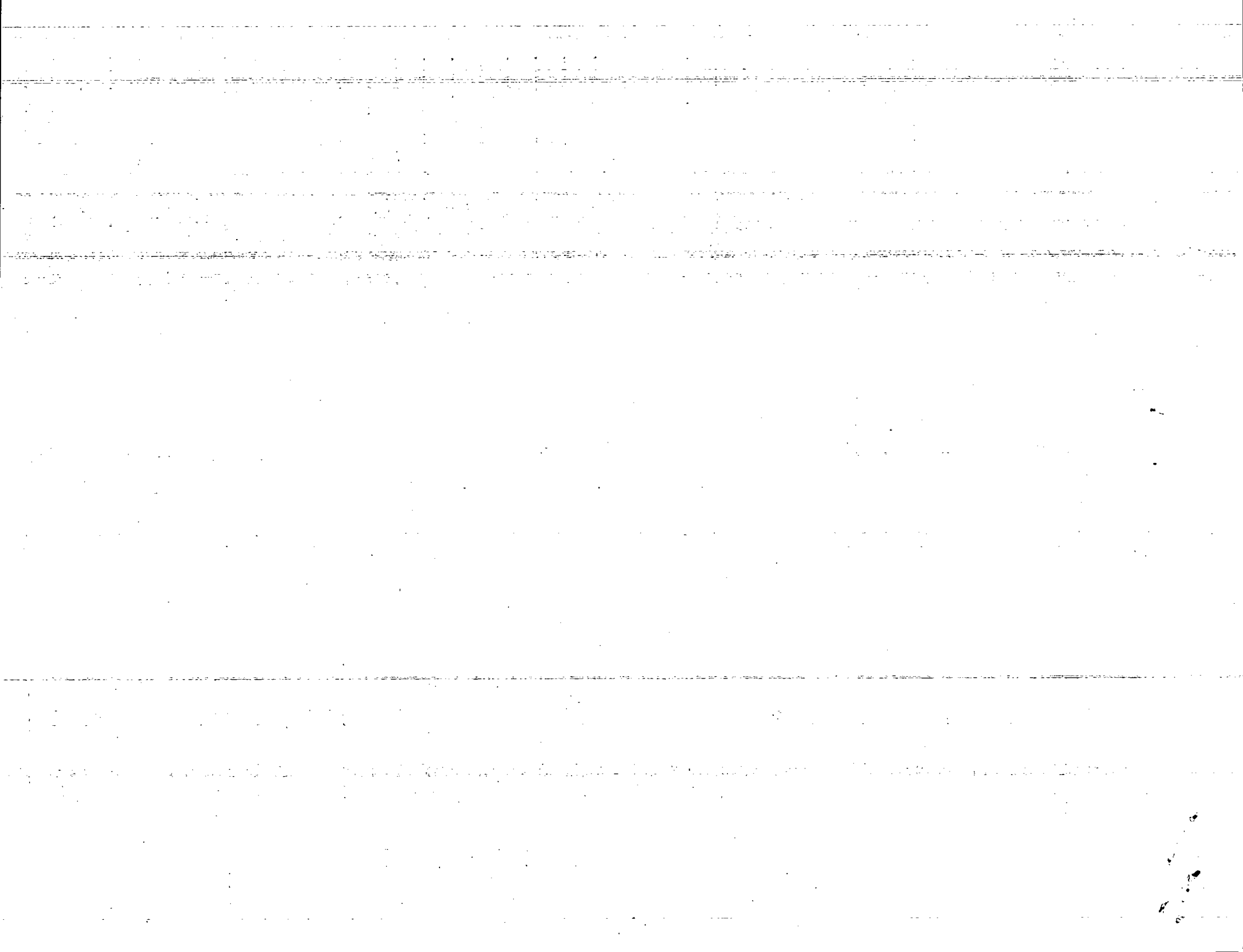
DEC. 1973
MAR. 1974
JUN. 1974
SEP. 1974
DEC. 1974
MAR. 1975
JUN. 1975
SEP. 1975
DEC. 1975
MAR. 1976
JUN. 1976
SEP. 1976
DEC. 1976
MAR. 1977
JUN. 1977
SEP. 1977
DEC. 1977
MAR. 1978
JUN. 1978
SEP. 1978
DEC. 1978
MAR. 1979
JUN. 1979
SEP. 1979
DEC. 1979
MAR. 1980
JUN. 1980
SEP. 1980
DEC. 1980
MAR. 1981
JUN. 1981
SEP. 1981
DEC. 1981
MAR. 1982
JUN. 1982
SEP. 1982
DEC. 1982
MAR. 1983
JUN. 1983
SEP. 1983
DEC. 1983
MAR. 1984
JUN. 1984
SEP. 1984
DEC. 1984
MAR. 1985
JUN. 1985
SEP. 1985
DEC. 1985
MAR. 1986
JUN. 1986
SEP. 1986

3-1-81 CUM:8472.2 MMCF

Field:	Jalmat (Gas)		
Operator:	Conoco		
Well:	Jack "B-17" No. 3		
Location:	A-17-24-37	Acres:	
County:	Lea	State:	New Mexico
Date Prod. Began:		Type Plot:	P ☐ P/Z ☒

Pressure or P/Z - (psia)





GAS PRODUCTION HISTORY

Date 5-15-81

Page 1 of 11

Operator: Conoco

Well: _____ Jack "B-17" No. 4

Location: C-17-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: First Production 6-74.

[illegible]

19 80 Detail Summary

Jan.	362	July	357
Feb.	264	Aug.	759
March	377	Sept.	595
April	406	Oct.	475
May	172	Nov.	498
June	183	Dec.	513

19 81 Detail Summary

Jan.	<u>467</u>	July	<u> </u>
Feb.	<u>385</u>	Aug.	<u> </u>
March	<u>304</u>	Sept.	<u> </u>
April	<u>222</u>	Oct.	<u> </u>
May	<u>275</u>	Nov.	<u> </u>
June	<u> </u>	Dec.	<u> </u>

Production (Y-T-D)	852 MCF
--------------------	---------

Days or Months (Y-T-D) 2 mos.

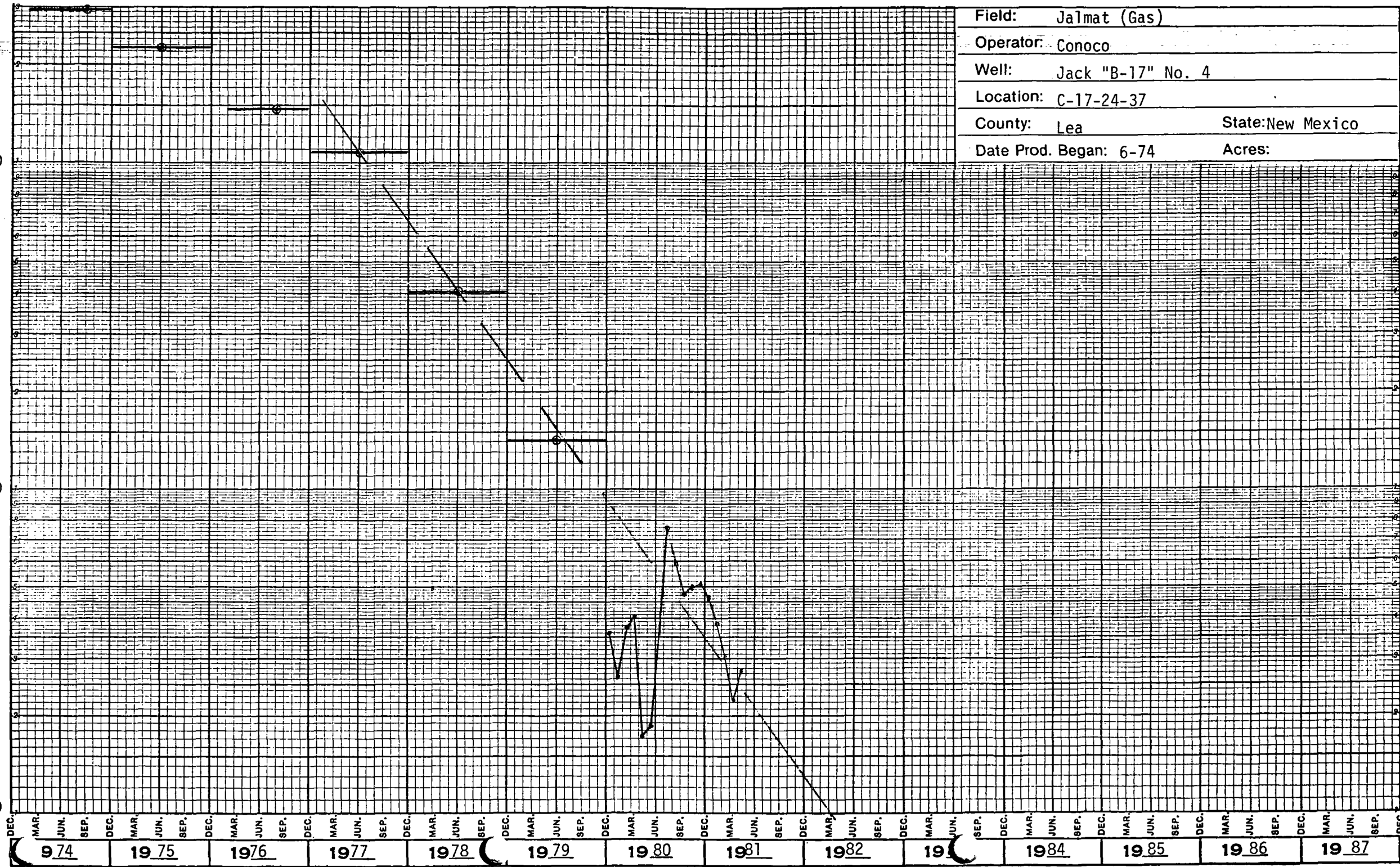
Avg. Rate (Y-T-D) 426 MCF/mo.

Gas Production - MCF/month

10000

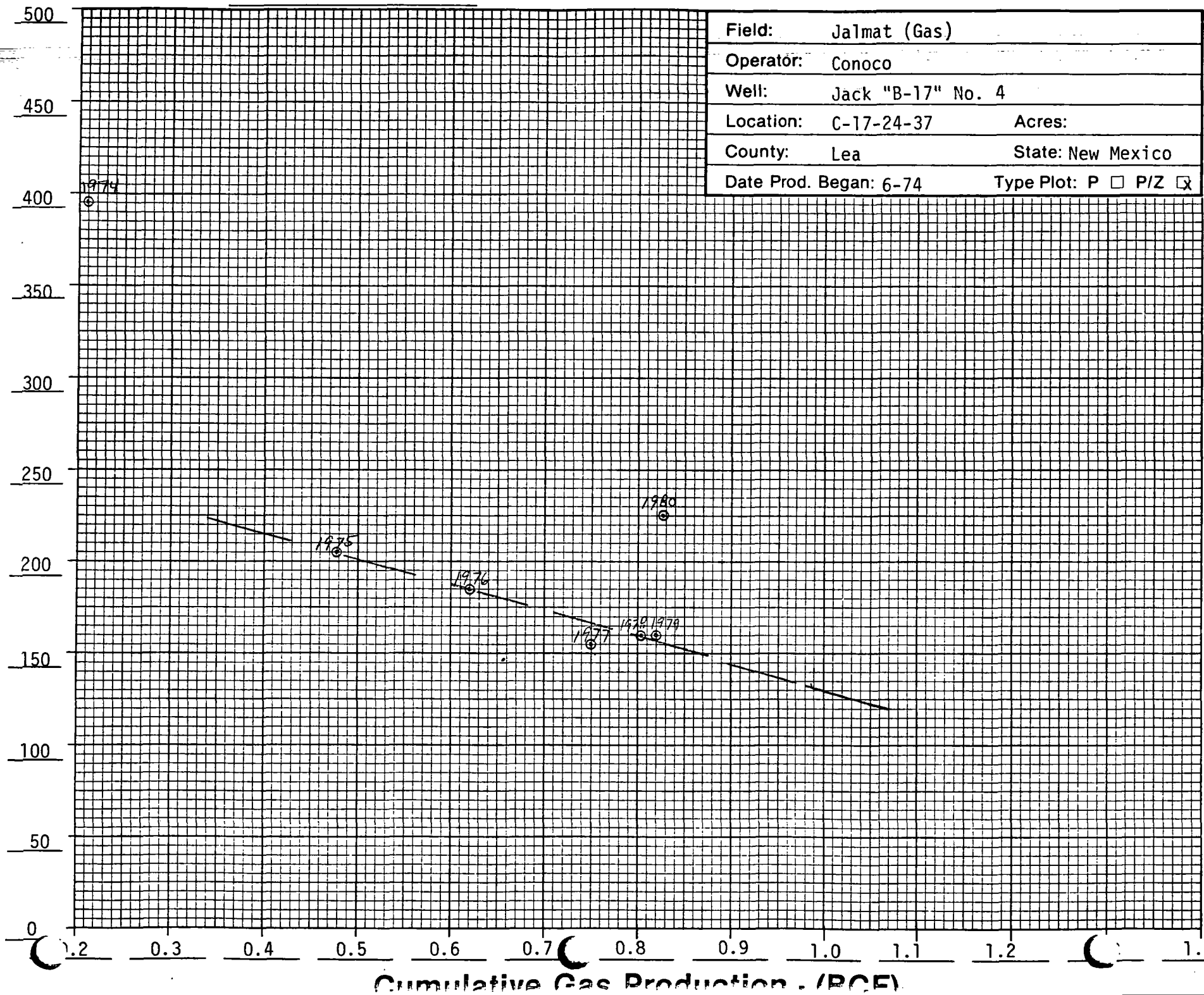
1000

100



Field:	Jalmat (Gas)		
Operator:	Conoco		
Well:	Jack "B-17" No. 4		
Location:	C-17-24-37		
County:	Lea	State:	New Mexico
Date Prod. Began:	6-74	Acres:	

Pressure or P/Z - (psia)



GAS PRODUCTION HISTORY

Date 7-14-80

Page 1 of 2

Operator: Doyle Hartman (Late Oil Co.)
 Well: Late Thomas No. 1 (Thomas No. 1)
 Location: M-17-24-37
 Pool: Jalmat (Gas)
 Spud Date: 5-30-53 Original Completion Date: 6-25-53
 Completion Interval (Gas): _____
 Completion Date (Gas): 6-25-53 First Production (Gas): _____
 Remarks: Proration unit for the subject Jalmat (Gas) well is the
S/2 Section 17.

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z
1980	12	29850	2487	4569.5	104.2	110
1979	12	41197	3433	4539.7	136.2	140
1978	11	43084	3917	4498.5	169.2	175
1977	12	55911	4659	4455.5	211.2	220
1976	12	54515	4543	4399.5	183.2	190
1975	12	60961	5080	4345.0	120.2	125
1974	12	71967	5997	4284.1	262.2	275
1973	12	74842	6237	4212.1	226.2	235
1972	12	48456	4038	4055.2	196.2	200
1971	12	38044	3170	4006.7	180.2	190
1970	12	74522	6210	3968.7	285.2	300
1969	12	128624	10719	3894.1	280.2	295
1968	12	115038	9586	3765.5	365.2	390
1967	10	138430	13843	3650.5	367.2	390
1966	12	137296	11441	3512.1	N/A	N/A
1965	12	261596	21799	3374.8	448.2	480
1964	12	401581	33465	3113.2	N/A	N/A
1963	10	296721	29672	2711.6	448	480
1962	12	295134	24594	2414.9	N/A	N/A
1961	11	349331	31757	2119.7	N/A	N/A

19 79 **Detail Summary**

Jan.	<u>3468</u>	July	<u>3920</u>
Feb.	<u>2932</u>	Aug.	<u>3644</u>
March	<u>3256</u>	Sept.	<u>3695</u>
April	<u>2900</u>	Oct.	<u>4223</u>
May	<u>2409</u>	Nov.	<u>3535</u>
June	<u>3771</u>	Dec.	<u>3444</u>

19 80 **Detail Summary**

Jan.	<u>3252</u>	July	<u>3080</u>
Feb.	<u>2712</u>	Aug.	<u>2767</u>
March	<u>2285</u>	Sept.	<u>2563</u>
April	<u>1727</u>	Oct.	<u>2699</u>
May	<u>2496</u>	Nov.	<u>1834</u>
June	<u>2628</u>	Dec.	<u>1807</u>

Production (Y-T-D) 29850 MCF
 Days or Months (Y-T-D) 12 mos.

Avg. Rate (Y-T-D) 2487 MCF/mo.

GAS PRODUCTION HISTORY

Date 4-8-81

Page 2 of 2

Operator: Doyle Hartman (Late Oil Co.)

Well: Late Thomas No. 1 (Thomas No. 1)

Location: M-17-24-37

Pool: JaImat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: _____

[illegible]

1981 Detail Summary

Jan. 1761 July

Feb. 1506 | Aug.

March 2742 Sept.

April 2410 Oct. 2410

May 2431 Nov. 1

June _____ Dec. _____

19_____ Detail Summary

Jan. _____ July _____

Feb. _____ Aug. _____

March _____ Sept. _____

April _____ Oct. _____

May _____ Nov. _____

June _____ Dec. _____

Production (Y-T-D) 5009 MCF

Avg. Rate (Y-T-D) 2003 MCF/mo.

Days or Months (Y-T-D) 3 mos.

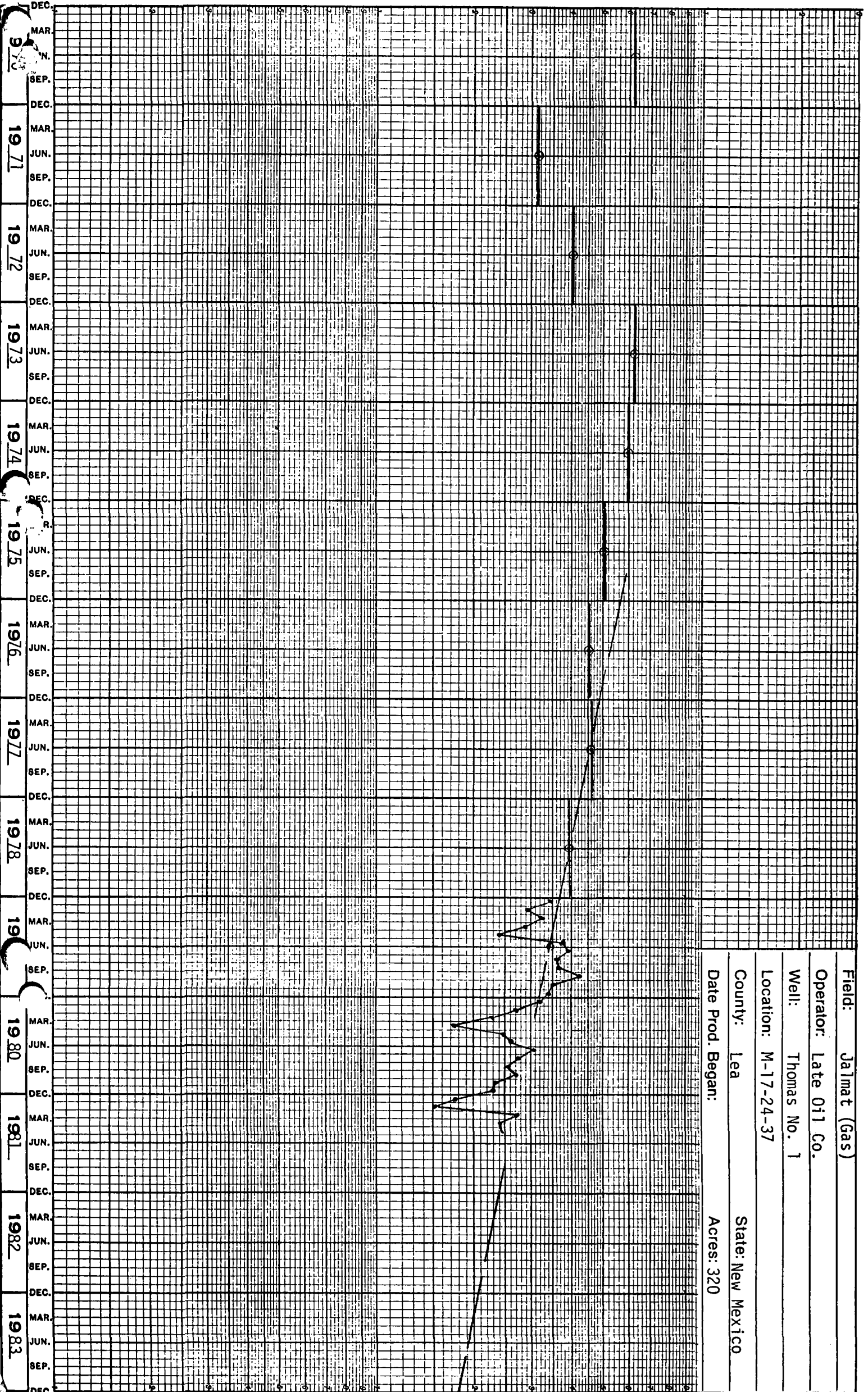
M-17-24-37

Gas Production - MCF/month

10000

1000

100



Field: Jalmat (Gas)

Operator: Late Oil Co.

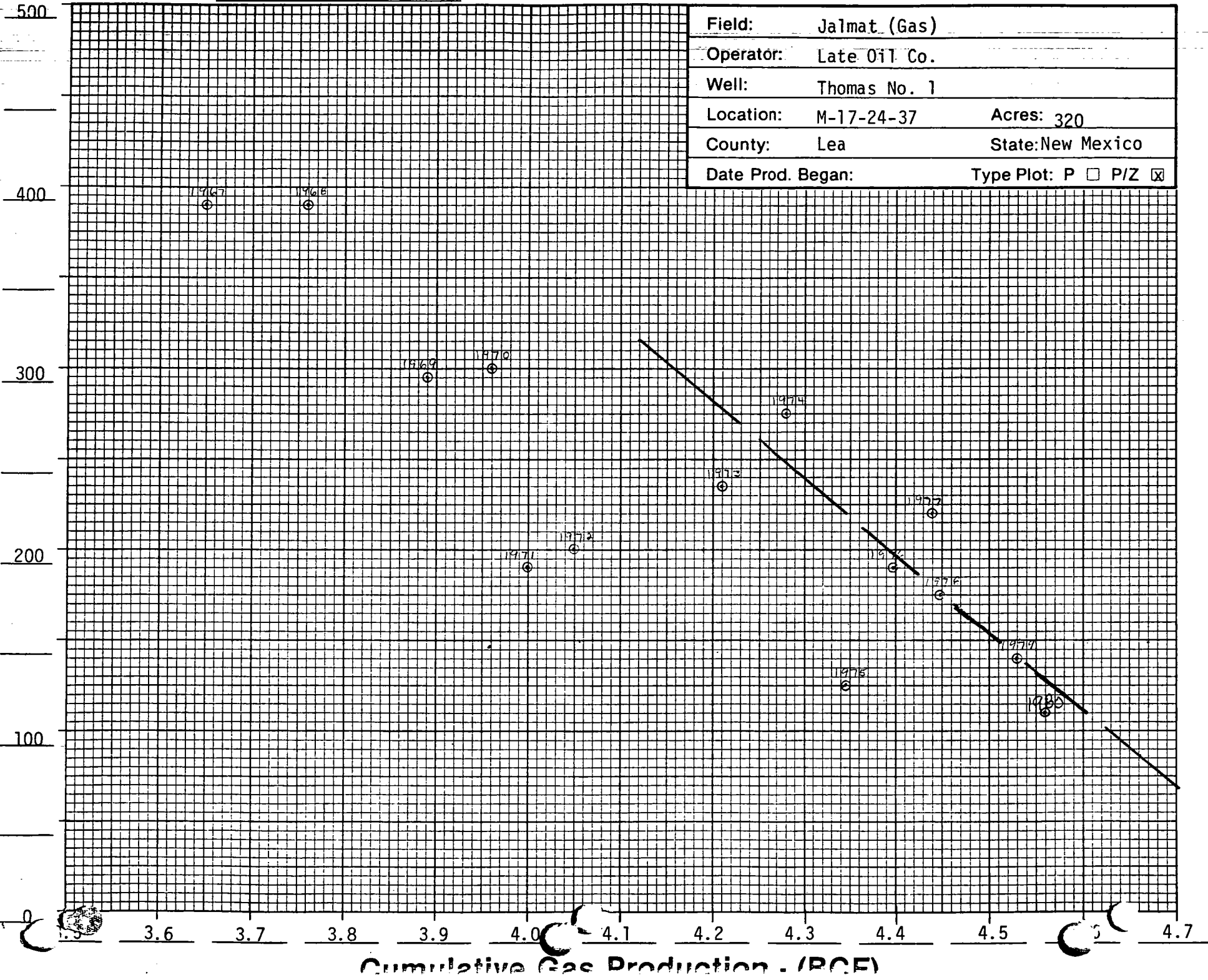
Well: Thomas No. 1

Location: M-17-24-37

County: Lea State: New Mexico

Date Prod. Began: Acres: 320

Pressure or P/Z - (psia)



GAS PRODUCTION HISTORY

Date 8-19-80

Page 1 of 2

Operator: Reserve (Arco)

Well: CJU No. 301 (Charles Bates)

Location: D-18-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: _____

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1980	12	33512	2793	2843.9	N/A	N/A	
1979	12	45718	3810	2810.4	61	65	
1978	12	42725	3560	2764.7	67	70	
1977	12	67260	5605	2722.0	80	85	
1976	12	77198	6433	2654.7	41	45	
1975	12	62558	5213	2577.5	45	50	
1974	12	51247	4271	2515.0	214	225	
1973	12	27651	2304	2463.7	N/A	N/A	
1972	12	75383	6282	2436.1	212	225	
1971	12	88934	7411	2360.7	140	150	
1970	12	97682	8140	2271.7	263	275	
1969	12	91594	7633	2174.1	158	165	
1968	11	88909	8083	2082.5	263	275	
1967	12	147740	12312	1993.6	273	285	
1966	12	154444	12870	1845.8	308	330	
1965	12	116041	9670	1691.4	326	350	
1964	11	141839	12894	1575.3	351	370	
1963	12	155203	12934	1433.5	429	460	
1962	12	76274	6356	1278.3	510	560	
1961	11	50407	4582	1202.0	575	640	

19 79 Detail Summary

Jan.	2499	July	4241
Feb.	3111	Aug.	3553
March	4155	Sept.	4719
April	4356	Oct.	4699
May	4152	Nov.	4097
June	3777	Dec.	2359

19 80 Detail Summary

Jan.	3097	July	3103
Feb.	3978	Aug.	2767
March	3572	Sept.	1471
April	2996	Oct.	2705
May	2215	Nov.	2661
June	3009	Dec.	1938

Production (Y-T-D) 18867 MCF

Avg. Rate (Y-T-D) 3144 MCF/mo.

Days or Months (Y-T-D) 6 mos.

D-18-24-37

GAS PRODUCTION HISTORY

Date 8-10-81

Page 2 of 2

Operator: Reserve (Arco)

Well: CJU No. 301 (Charles Bates)

Location: D-18-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: _____

[illegible]19 81 Detail Summary

Jan. 2168 July

Feb. 2409 Aug.

March 2796 Sept.

April 584 Oct.

May 1474 Nov.

June _____ Dec. _____

19_____ Detail Summary

Jan. _____ July _____

Feb. _____ Aug. _____

March _____ Sept. _____

April _____ Oct. _____

May _____ Nov. _____

June _____ Dec. _____

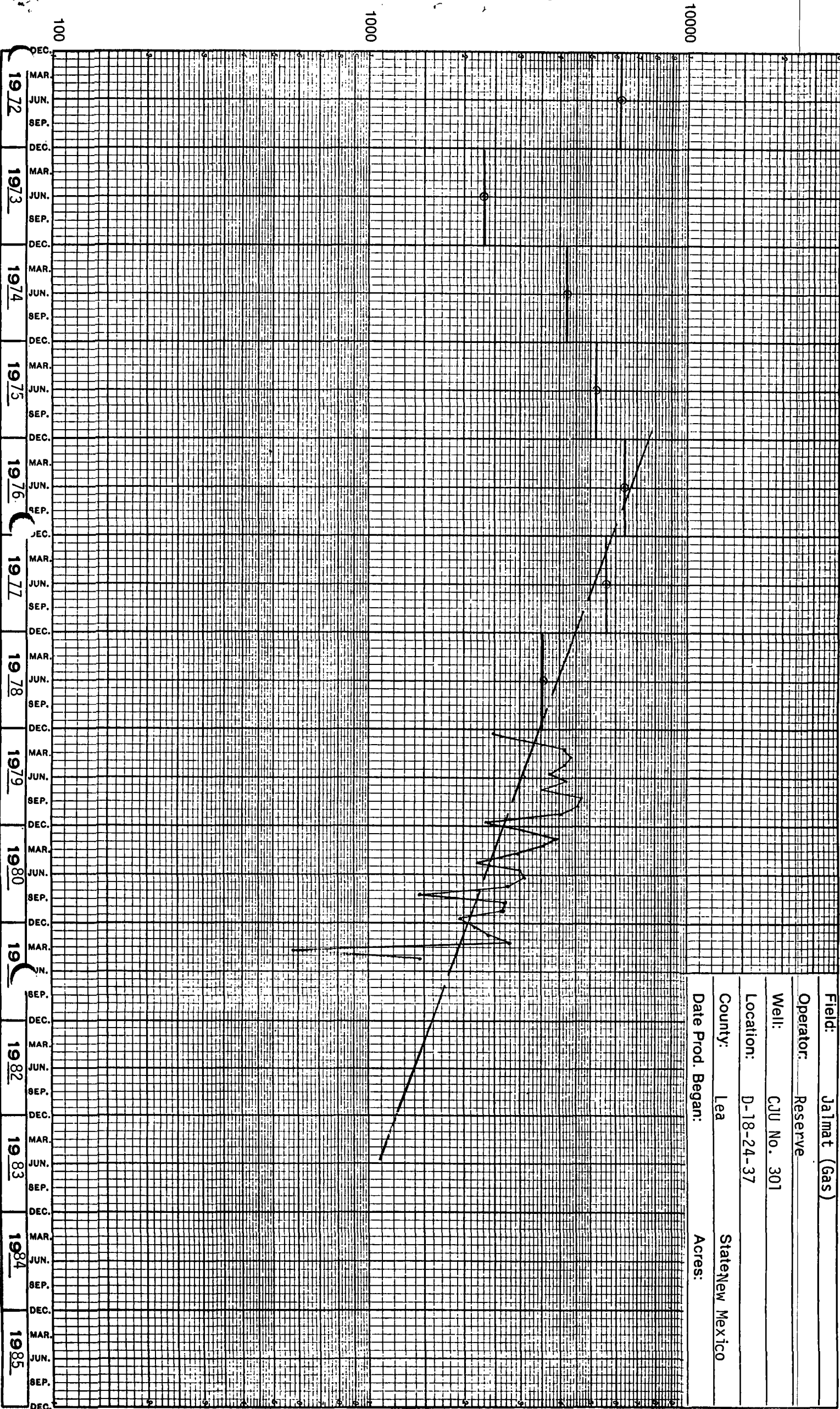
Production (Y-T-D) 9431 MCF

Avg. Rate (Y-T-D) 1886 MCF/mo.

Days or Months (Y-T-D) 5 mos.

D-18-24-37

Gas Production - MCF/month

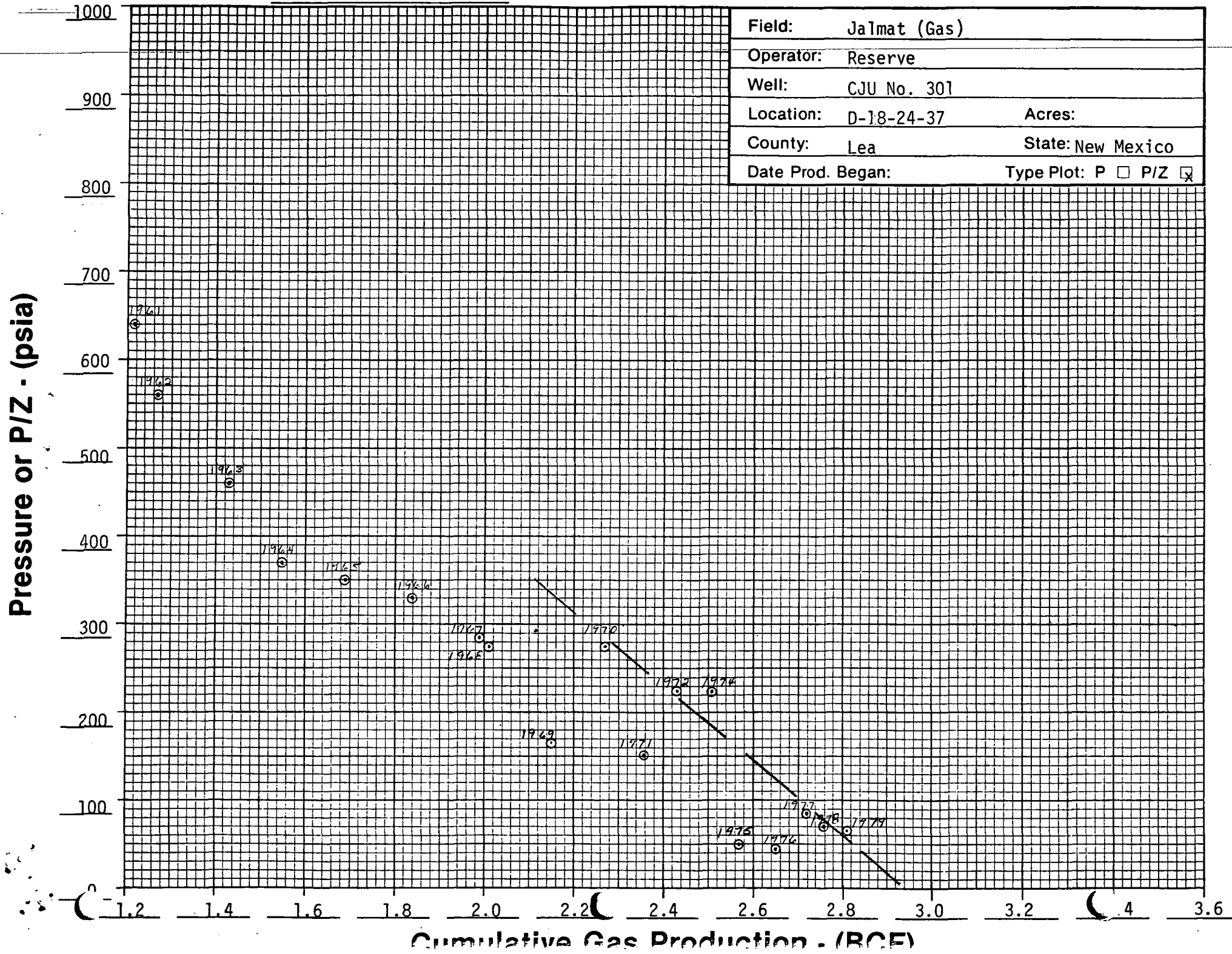


Field: Jalmat (Gas)
Operator: Reserve
Well: CUJ No. 301
Location: D-18-24-37
County: Lea
State: New Mexico
Date Prod. Began: Acres:

7-1-80 Cum. 2829.5 MFCF

Pressure or P/Z - (psia)

Field:	Jalmat (Gas)		
Operator:	Reserve		
Well:	CJU No. 301		
Location:	D-18-24-37	Acres:	
County:	Lea	State:	New Mexico
Date Prod. Began:		Type Plot:	P ☐ P/Z ☒



GAS PRODUCTION HISTORY

Date 8-19-80

Page 1 of 1

Operator: Reserve

Well: CJU No. 302 (Gutman No. 1)

Location: G-18-24-37

Pool: Jalmat (Gas)

Spud Date: Original Completion Date:

Completion Interval (Gas):

Completion Date (Gas): First Production (Gas):

Remarks: Last Production 2-71.

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z
1979	0	0	0	1560.2	258	270
1978	0	0	0	1560.2	253	265
1977	0	0	0	1560.2	253	265
1976	0	0	0	1560.2	273	289
1975	0	0	0	1560.2	273	289
1974	0	0	0	1560.2	N/A	N/A
1973	0	0	0	1560.2	N/A	N/A
1972	0	0	0	1560.2	N/A	N/A
1971	2	6537	3179	1560.2	N/A	N/A
1970	12	53451	4454	1553.7	278	291
1969	12	52019	4335	1500.3	355	380
1968	12	79959	6663	1448.2	363	390
1967	12	73475	6123	1368.2	406	440
1966	12	83364	6947	1294.8	421	455
1965	12	92483	7707	1211.4	439	475
1964	12	105390	8783	1119.0	465	505
1963	12	123524	10294	1013.6	504	551
1962	11	64027	5821	890.0	532	585
1961	12	54987	4575	826.0	600	675
1960	12	75237	6270	771.1	643	730

19 Detail Summary

Jan. July

Feb. Aug.

March Sept.

April Oct.

May Nov.

June Dec.

19 Detail Summary

Jan. July

Feb. Aug.

March Sept.

April Oct.

May Nov.

June Dec.

Production (Y-T-D) 6537 MCF

Days or Months (Y-T-D) 2 mos.

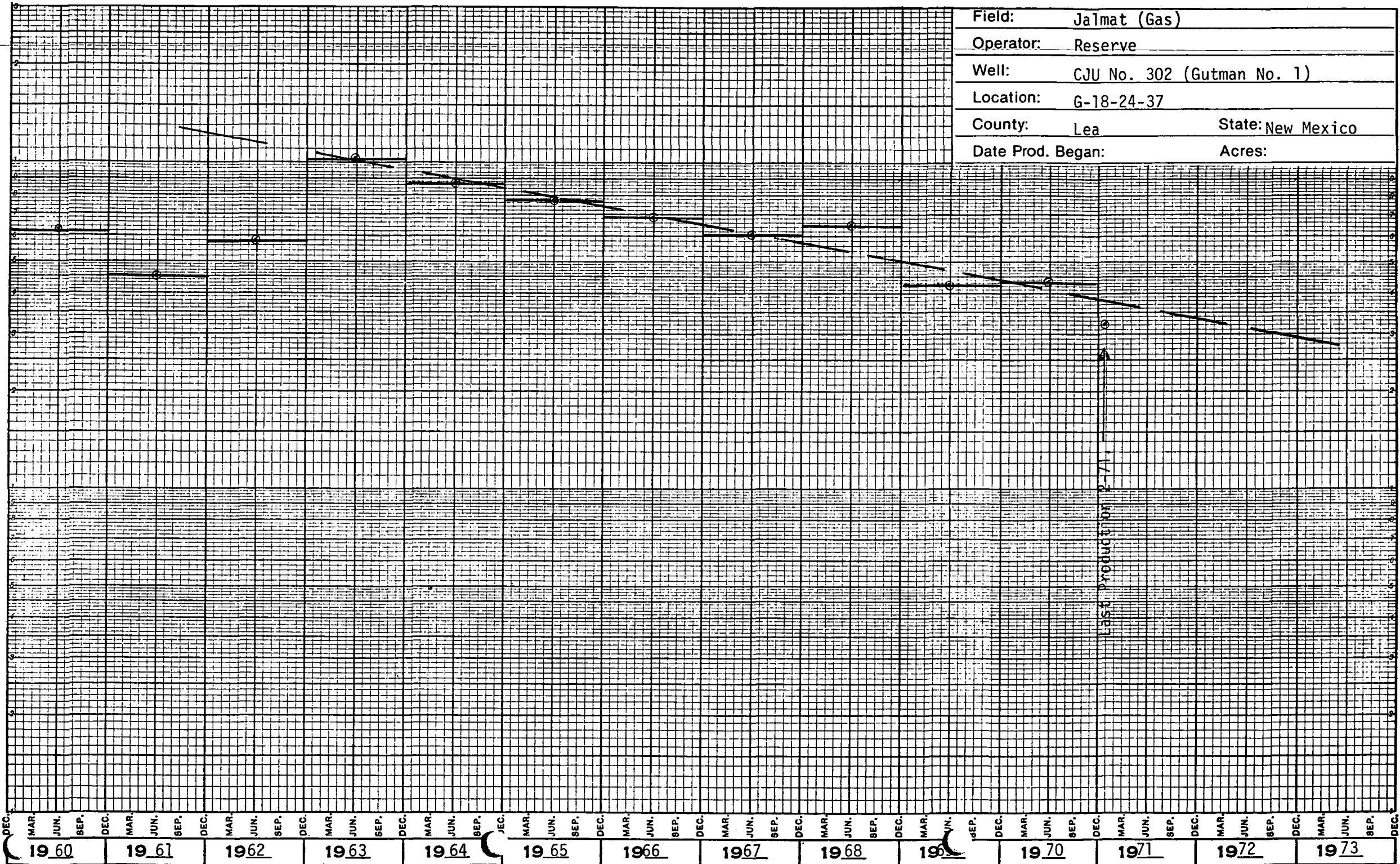
Avg. Rate (Y-T-D) 3179 MCF/mo.

Gas Production - MCF/month

10000

1000

100

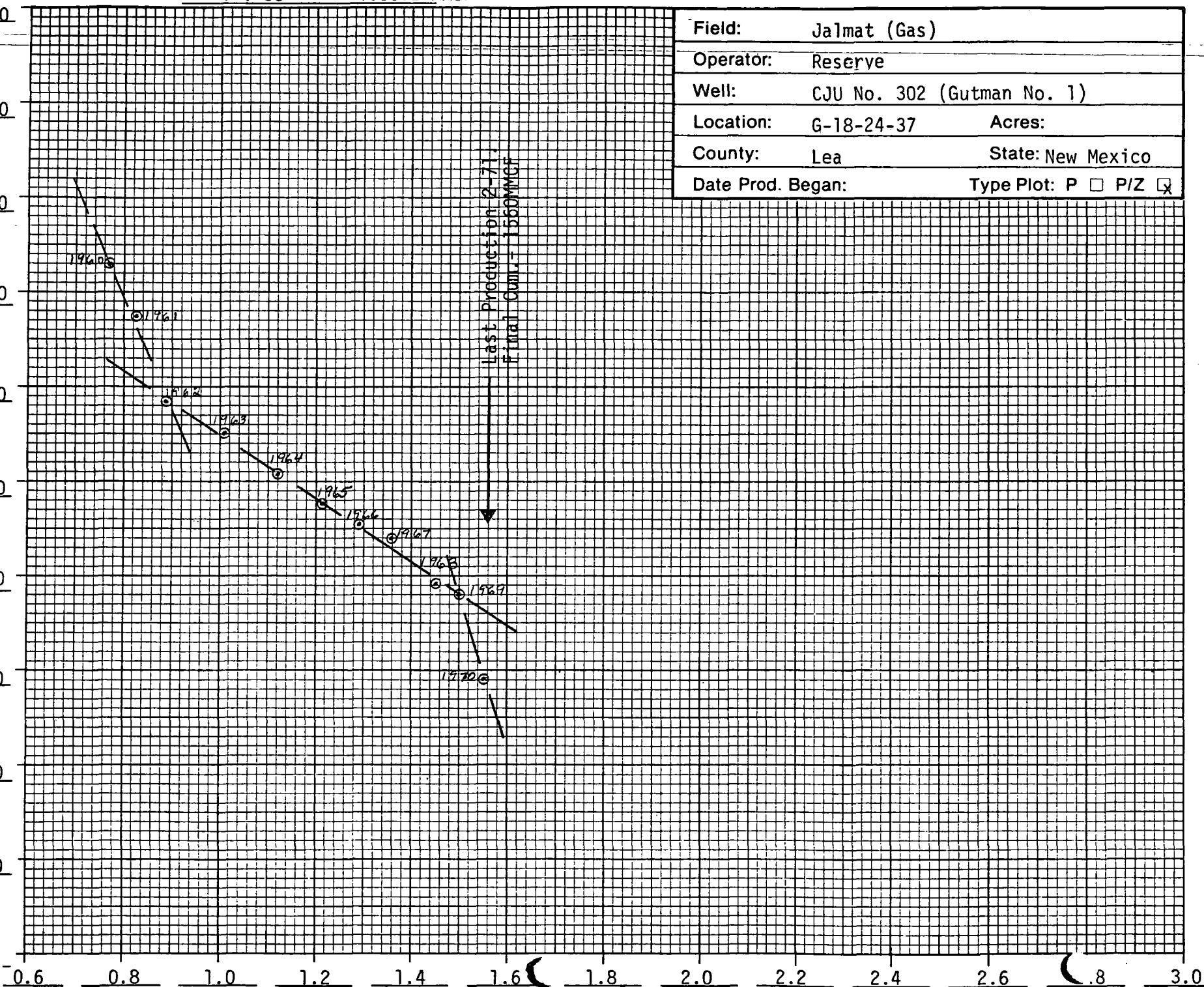


Field:	Jalmat (Gas)		
Operator:	Reserve		
Well:	CJU No. 302 (Gutman No. 1)		
Location:	G-18-24-37		
County:	Lea	State:	New Mexico
Date Prod. Began:		Acres:	

1-1-80 Cum. 1560.2 MMCF

Pressure or P/Z - (psia)

1000
900
800
700
600
500
400
300
200
100
0



Cumulative Gas Production - (BCF)

Field:	Jalmat (Gas)		
Operator:	Reserve		
Well:	CJU No. 302 (Gutman No. 1)		
Location:	G-18-24-37	Acres:	
County:	Lea	State:	New Mexico
Date Prod. Began:		Type Plot:	P ☐ P/Z ☒

GAS PRODUCTION HISTORY

Date 1-15-80

Page 1 of 2

Operator: Reserve Oil

Well: CJU No. 306

Location: J-18-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: _____

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1979	9	7512	835	3017.1	202	210	
1978	11	29657	2696	3009.5	206.2	210	
1977	12	4779	398	2979.9	153.2	155	
1976	12	13437	1120	2975.1	258.2	270	
1975	12	31775	2648	2961.7	134.2	140	
1974	12	35509	2959	2929.9	243.2	255	
1973	12	69561	5797	2894.4	264.2	270	
1972	12	49715	4143	2824.8	274.2	285	
1971	12	111876	9323	2775.1	276.2	285	
1970	12	150881	12573	2663.2	N/A	N/A	
1969	12	94122	7843	2512.4	362.2	385	
1968	11	62946	5722	2418.2	431.2	460	
1967	12	98530	8211	2355.3	462.2	500	
1966	12	97820	8152	2256.8	493.2	540	
1965	12	134403	11200	2158.9	497.2	545	
1964	12	159165	13264	2024.5	563.2	620	
1963	12	158509	13209	1865.4	604.2	680	
1962	12	77701	6475	1706.9	N/A	N/A	
1961	12	71263	5939	1629.2	700.2	800	
1960	12	82215	6851	1557.9	743.2	855	

19 78 Detail Summary

Jan.	3168	July	2752
Feb.	4416	Aug.	1780
March	3797	Sept.	1262
April	3690	Oct.	750
May	4519	Nov.	618
June	2905	Dec.	0

19 79 Detail Summary

Jan.	0	July	270
Feb.	0	Aug.	223
March	0	Sept.	221
April	76	Oct.	175
May	251	Nov.	1932
June	243	Dec.	4121

Production (Y-T-D) 11528 MCF

Avg. Rate (Y-T-D) 1921 MCF/mo.

Days or Months (Y-T-D) 6 mos.

GAS PRODUCTION HISTORY

Date 8-19-80

Page 2 of 2

Operator: Reserve (Texas Pacific)

Well: CJU No. 244 (CJU No. 306 & Blankenship No. 1)

Location: J-18-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: _____

[illegible]

19 80 Detail Summary

Jan.	<u>3729</u>	July	<u>3449</u>
Feb.	<u>3949</u>	Aug.	<u>3706</u>
March	<u>4019</u>	Sept.	<u>3237</u>
April	<u>3560</u>	Oct.	<u>3580</u>
May	<u>3557</u>	Nov.	<u>2932</u>
June	<u>3648</u>	Dec.	<u>3341</u>

19 81 Detail Summary

Jan.	3266	July	
Feb.	2891	Aug.	
March	1930	Sept.	
April	2153	Oct.	
May		Nov.	
June		Dec.	

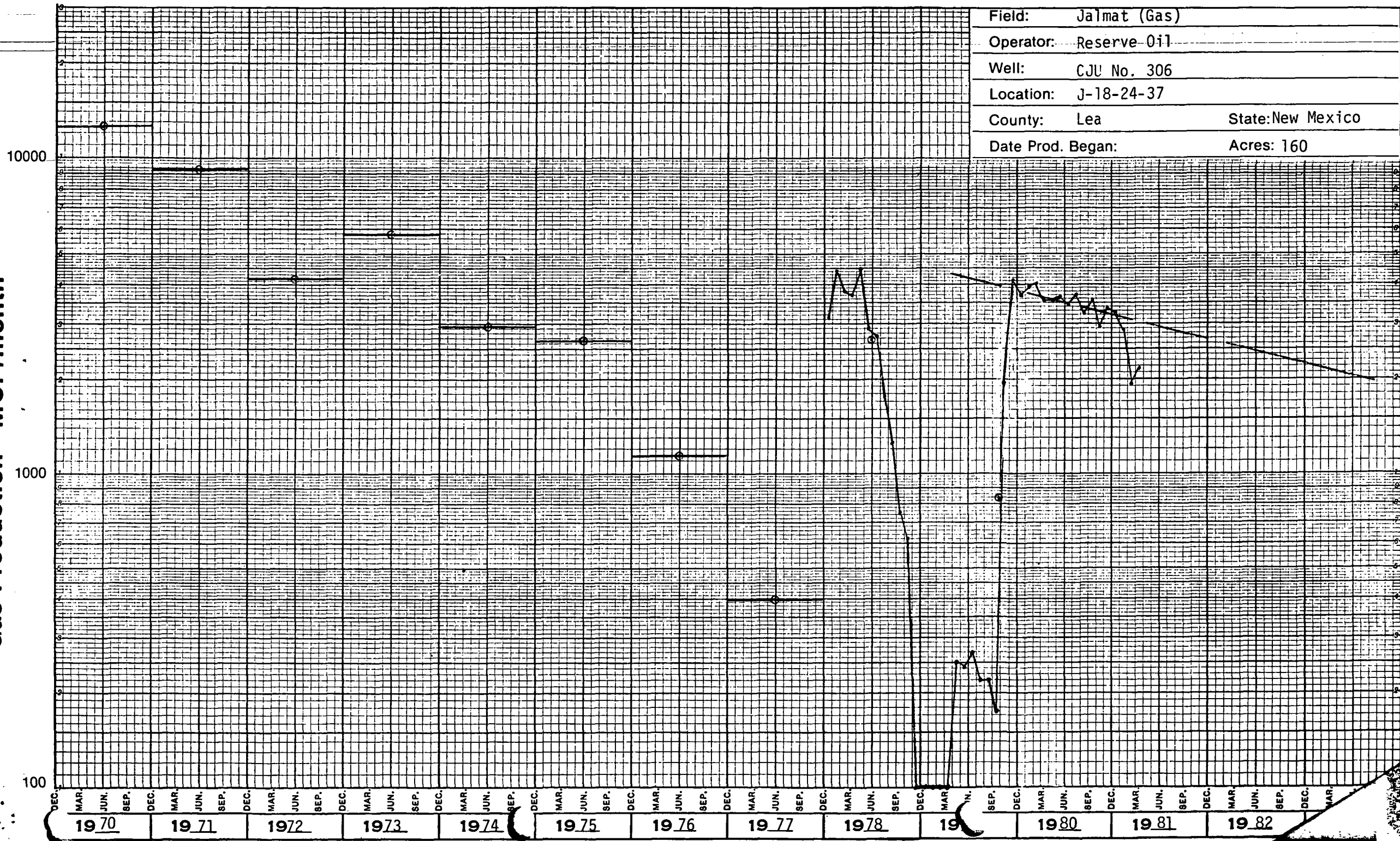
Production (Y-T-D) 11528 MCF

Days or Months (Y-T-D) 6 mos.

Avg. Rate (Y-T-D) 1921 MCF/mo.

J-18-24-37

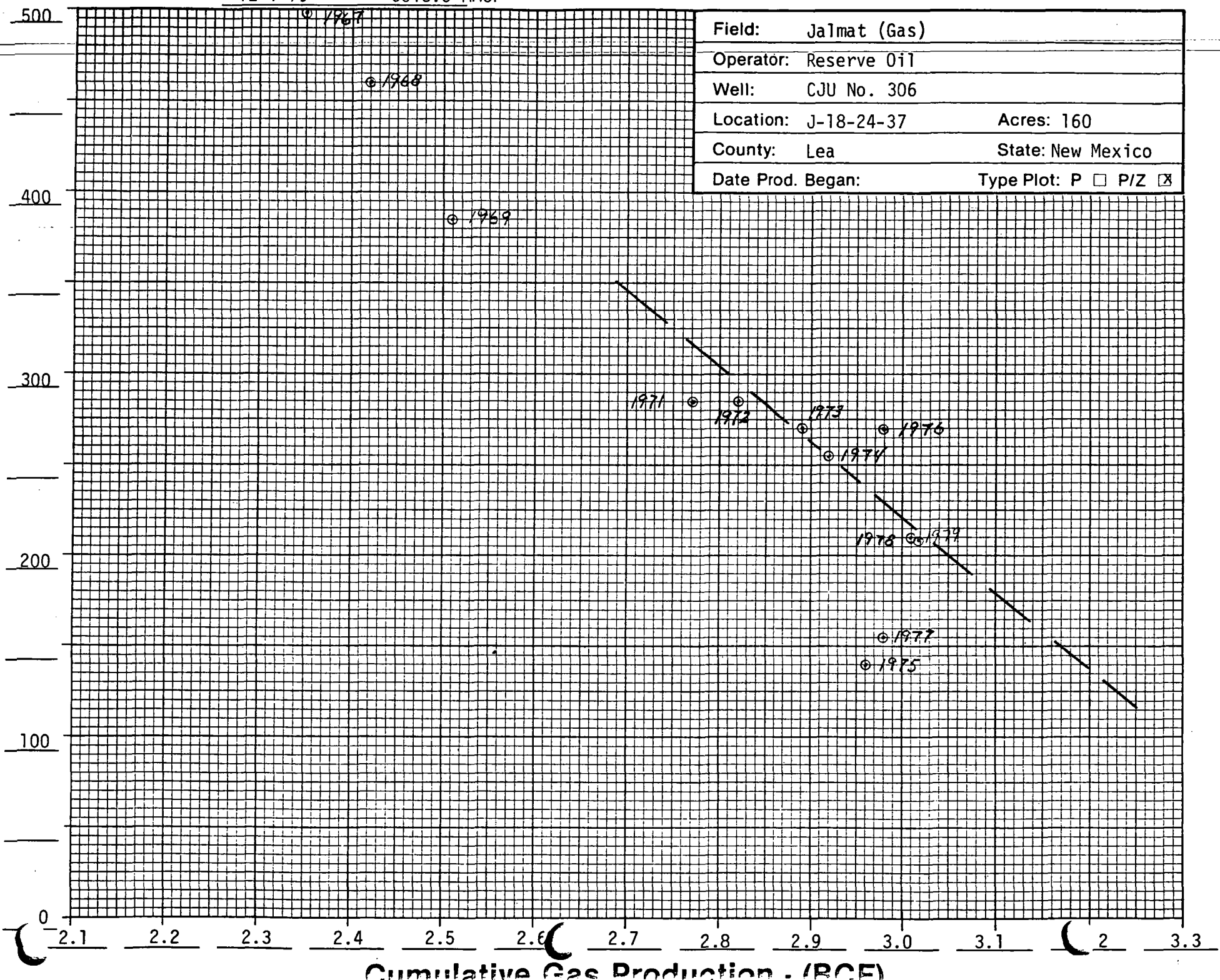
Gas Production - MCF/month



Field:	Jalmat (Gas)		
Operator:	Reserve Oil		
Well:	CJU No. 306		
Location:	J-18-24-37		
County:	Lea	State:	New Mexico
Date Prod. Began:		Acres:	160

Pressure or P/Z - (psia)

Field:	Jalmat (Gas)		
Operator:	Reserve Oil		
Well:	CJU No. 306		
Location:	J-18-24-37	Acres:	160
County:	Lea	State:	New Mexico
Date Prod. Began:		Type Plot:	P ☐ P/Z ☒



GAS PRODUCTION HISTORY

Date 12-21-79

Page 1 of 2

Operator: Cities Service Oil Co.

Well: Thomas No. 2

Location: G-19-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: Reclassified Jalmat Oil 7-77.

Last Production 3-78.

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	Annual Oil (BBL)
1978	3	17387	5796	4928.9	N/A	N/A	73
1977	12	94115	7843	4911.5	161.2	170	255
1976	12	110843	9237	4817.4	203.2	210	0
1975	12	143551	11963	4706.6	228.2	240	0
1974	12	182026	15169	4563.0	257.2	270	0
1973	12	186081	15507	4381.0	299.2	315	0
1972	12	213367	17781	4194.9	300.2	317	62
1971	12	229024	19085	3981.6	290.2	310	18
1970	12	257340	21445	3752.5	277.2	290	53
1969	12	295840	24653	3495.2	333.2	360	75
1968	10	209278	20928	3199.4	387.2	420	85
1967	12	294594	24550	2990.1	410.2	445	122
1966	12	258705	21559	2695.5	408.2	445	128
1965	12	329590	27466	2436.8	444.6	490	144
1964	12	367677	30640	2107.2	478.2	520	180
1963	12	315281	26273	1739.5	468.2	510	156
1962	12	247865	20655	1424.2	497.2	540	128
1961	10	109281	10928	1176.4	629.2	710	125
1960	12	148753	12396	1067.0	638.2	725	57
1959	12	129486	10791	918.3	707.2	815	116

19 77 Detail Summary

Jan.	4185	July	7708
Feb.	6623	Aug.	7110
March	9119	Sept.	8405
April	8539	Oct.	8899
May	9419	Nov.	6610
June	9385	Dec.	8563

19 78 Detail Summary

Jan.	7877	July	-0-
Feb.	6600	Aug.	-0-
March	2910	Sept.	-0-
April	-0-	Oct.	-0-
May	-0-	Nov.	-0-
June	-0-	Dec.	-0-

Production (Y-T-D) 17387 MCF

Avg. Rate (Y-T-D) 5796 MCF/mo.

Days or Months (Y-T-D) 3 mos.

GAS PRODUCTION HISTORY

Date 12-21-79

Page 2 of 2

Operator: Cities Service Oil Co.

Well: Thomas No. 2

Location: G-19-24-37

Pool: _____

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: _____

[illegible]

19_____ Detail Summary

Jan. _____ July _____

Feb. _____ Aug. _____

March _____ Sept. _____

April _____ Oct. _____

May _____ Nov. _____

June _____ Dec. _____

19_____ Detail Summary

Jan. _____ July _____

Feb. _____ Aug. _____

March _____ Sept. _____

April _____ Oct. _____

May _____ Nov. _____

June _____ Dec. _____

Production (Y-T-D) _____

Days or Months (Y-T-D) _____

Avg. Rate (Y-T-D) _____

Gas Production - MCF/month

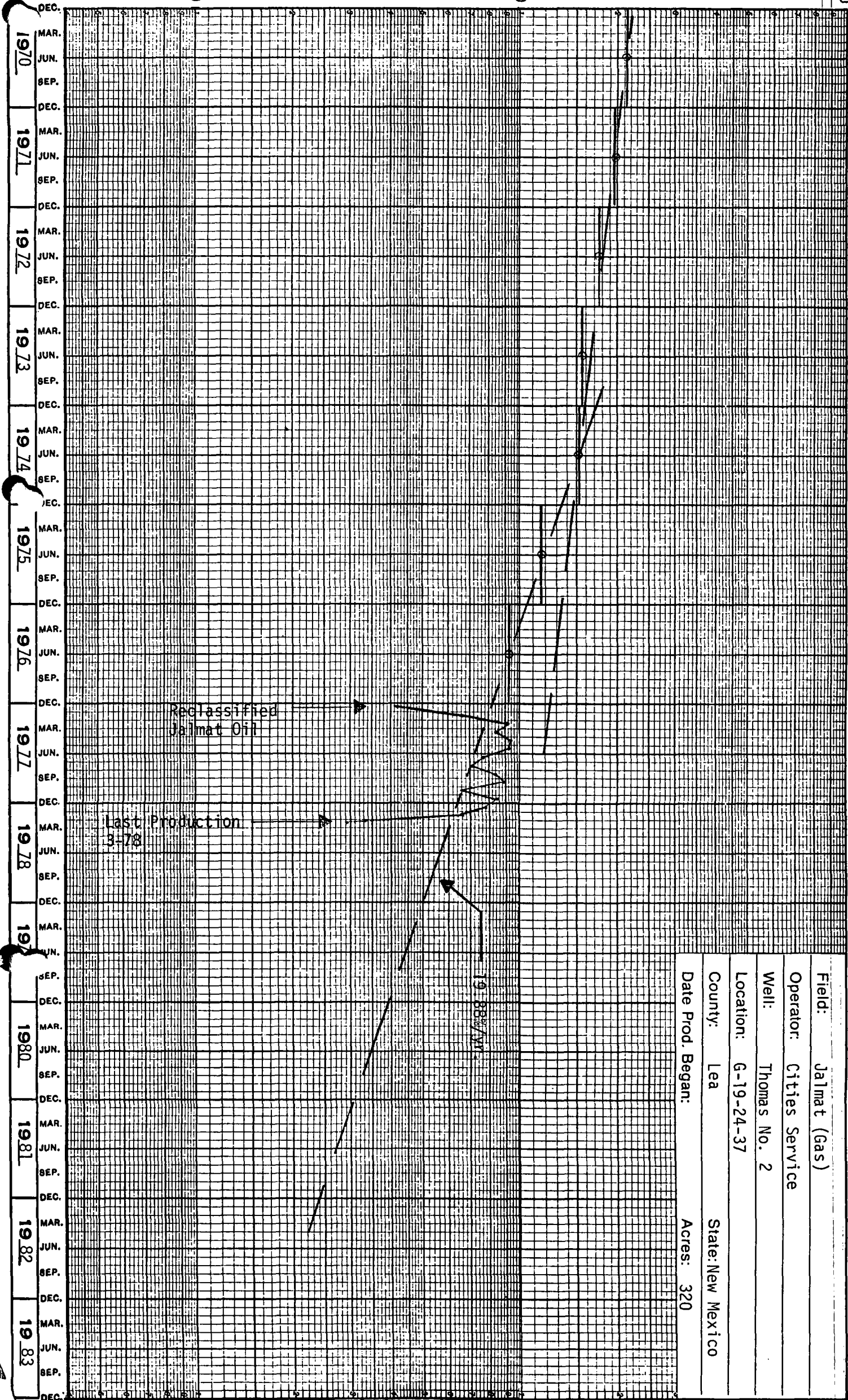
100,000

4-1-78 Cum: 4929 MMCF

10,000

1,000

400



Reclassified
Jalmat Oil

Last Production
3-78

19.88%/yr

Field:	Jalmat (Gas)
Operator:	Cities Service
Well:	Thomas No. 2
Location:	G-19-24-37
County:	Lea
State:	New Mexico
Date Prod. Began:	
Acres:	320

4-1-78

CUM: 4929 MMCF

Field: Jalmat (Gas)

Operator: Cities Service

Well: Thomas No. 2

Location: G-19-24-37

Acres: 320

County: Lea

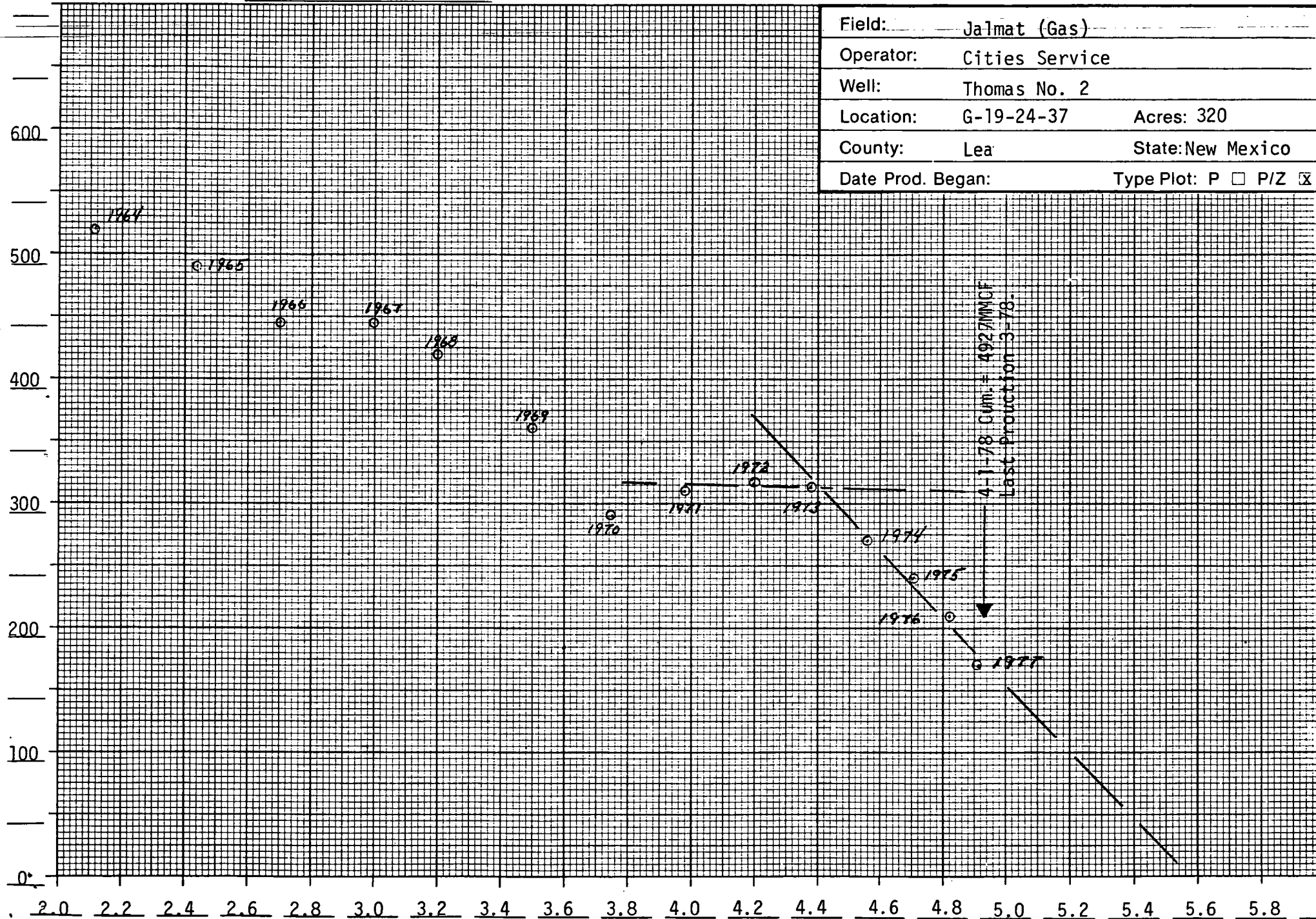
State: New Mexico

Date Prod. Began:

Type Plot: P ☐ P/Z ☒

Pressure or P/Z - (psia)

Cumulative Gas Production - (BCF)



Page 1 of 1

Well: Jack "A-20" No. 9

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	52
--	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----

Spud Date: _____ Original Completion Date: _____

Completion Date (Gas): _____ First Production (Gas): _____

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

[illegible]

1980 Detail Summary

Jan.	<u>2195</u>	July	<u>1667</u>
Feb.	<u>1937</u>	Aug.	<u>1731</u>
March	<u>2050</u>	Sept.	<u>1501</u>
April	<u>1859</u>	Oct.	<u>1485</u>
May	<u>1147</u>	Nov.	<u>1401</u>
June	<u>1817</u>	Dec.	<u>1307</u>

19 81 Detail Summary

Jan.	1332	July	
Feb.	1271	Aug.	
March	1193	Sept.	
April	1082	Oct.	
May	1274	Nov.	
June		Dec.	

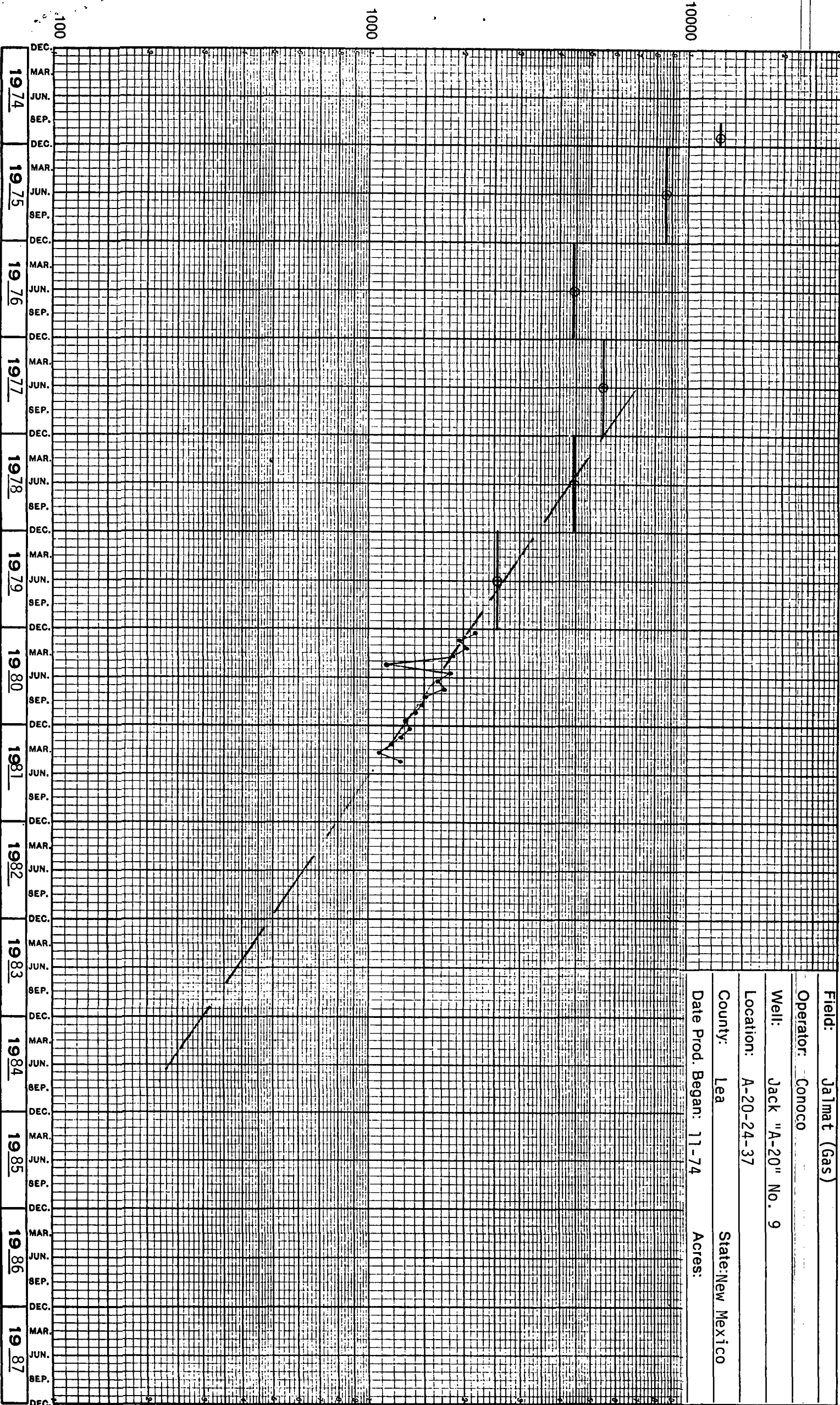
Production (Y-T-D) 6152 MCF

Avg. Rate (Y-T-D) 1230 MCF/mo.

Days or Months (Y-T-D) 5 mos.

A-20-24-37

Gas Production - MCF/month



Field: Jalmat (Gas)

Operator: Conoco

Well: Jack "A-20" No. 9

Location: A-20-24-37

County: Lea State: New Mexico

Date Prod. Began: 11-74 Acres:

6-1-81 Cum: 359.4 MMCF

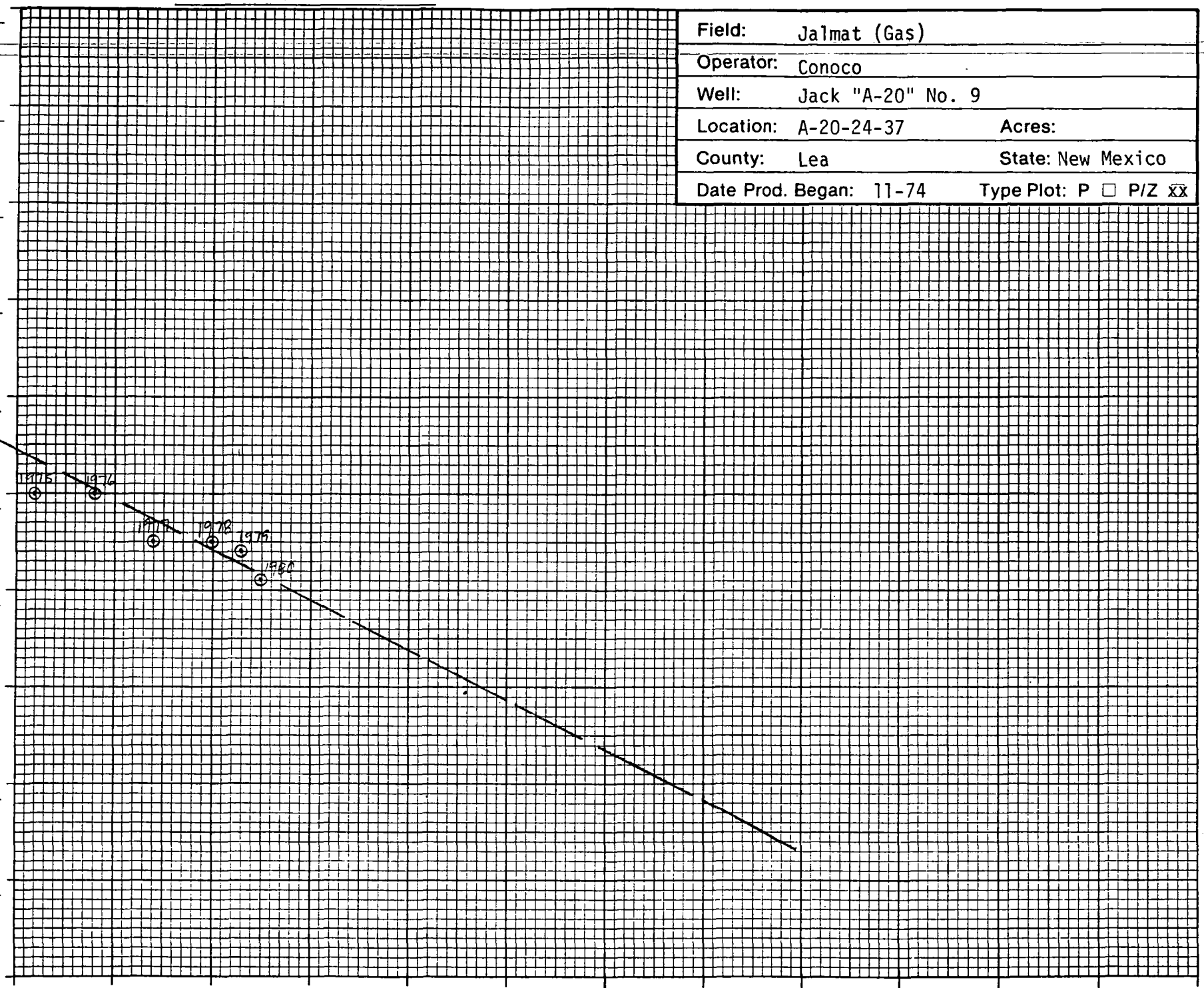
Pressure or P/Z - (psia)

500
450
400
350
300
250
200
150
100
50
0

0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3

Cumulative Gas Production - (RCF)

Field:	Jalmat (Gas)		
Operator:	Conoco		
Well:	Jack "A-20" No. 9		
Location:	A-20-24-37	Acres:	
County:	Lea	State:	New Mexico
Date Prod. Began:	11-74	Type Plot:	P ☐ P/Z ☒



GAS PRODUCTION HISTORY

Date 8-12-81

Page 1 of 1

Operator: Continental Oil Co.

Well: Jack "A" 20 No. 4

Location: G-20-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: Zone Abandoned 5-74.

[illegible]

19 <u>73</u> Detail Summary	
Jan. <u>1188</u>	July <u>3</u>
Feb. <u>751</u>	Aug. <u>0</u>
March <u>504</u>	Sept. <u>0</u>
April <u>141</u>	Oct. <u>0</u>
May <u>41</u>	Nov. <u>18</u>
June <u>0</u>	Dec. <u>37</u>

19 74		Detail Summary	
Jan.	2	July	
Feb.	5	Aug.	
March	73	Sept.	
April		Oct.	
May		Nov.	
June		Dec.	

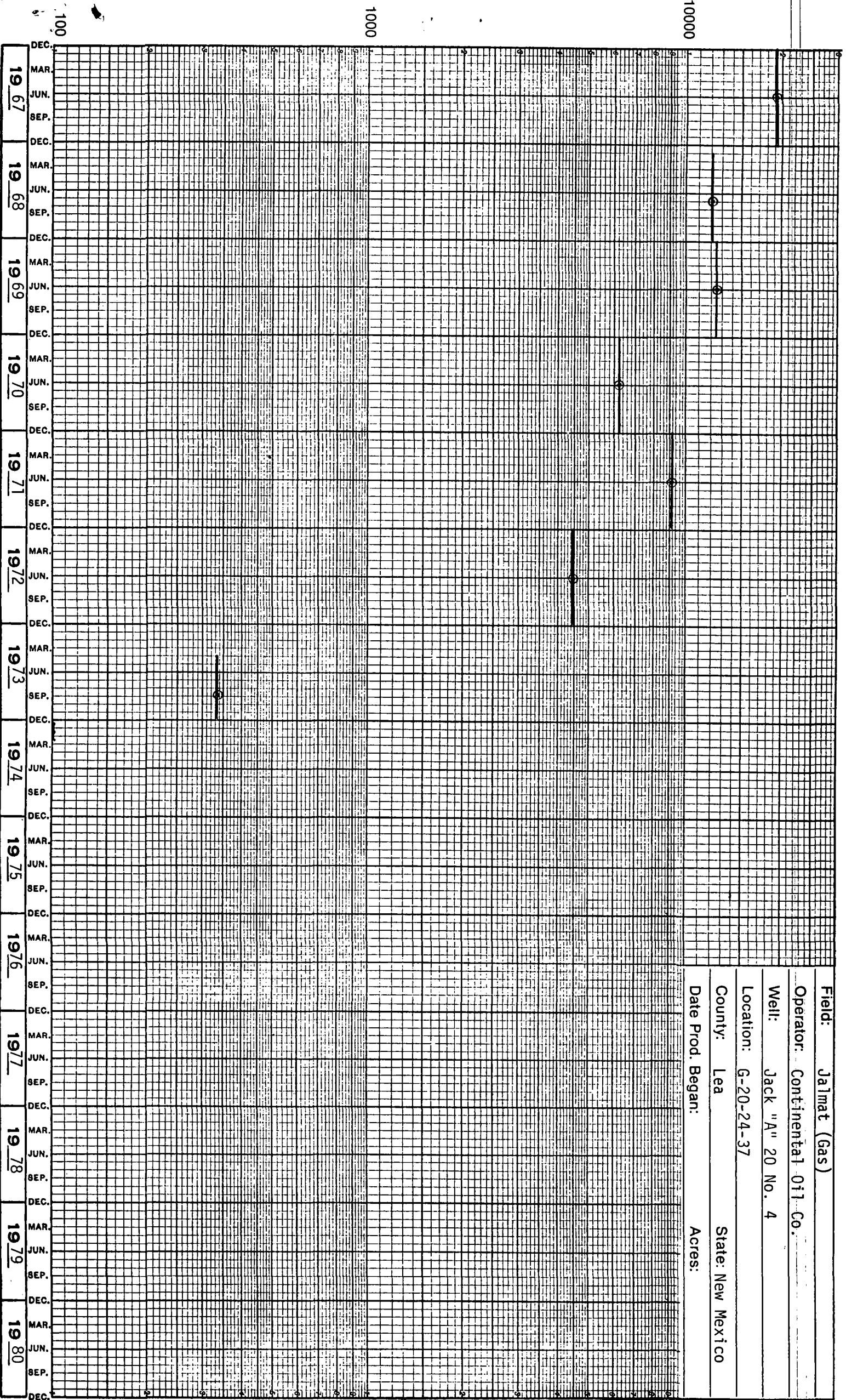
Production (Y-T-D) 80 MCF

Days or Months (Y-T-D) 3 mos.

Avg. Rate (Y-T-D) 27 MCF/mo.

G-20-24-37

Gas Production - MCF/month



Field: Jalmat (Gas)

Operator: Continental Oil Co.

Well: Jack "A" 20 No. 4

Location: G-20-24-37

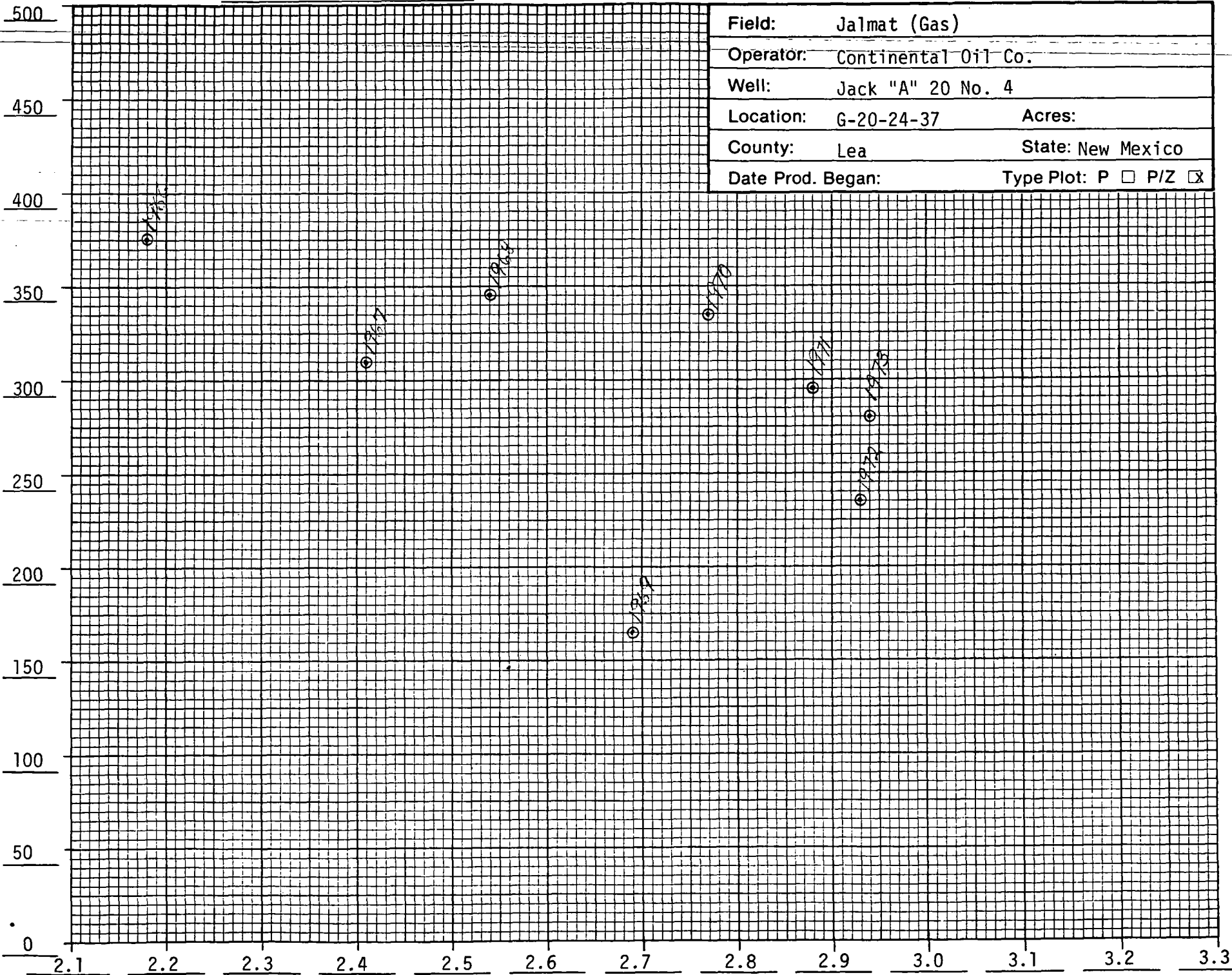
County: Lea State: New Mexico

Date Prod. Began: Acres:

0-1-81 Cum. 2941.2 MMCF

Pressure or P/Z - (psia)

Field:	Jalmat (Gas)		
Operator:	Continental Oil Co.		
Well:	Jack "A" 20 No. 4		
Location:	G-20-24-37	Acres:	
County:	Lea	State:	New Mexico
Date Prod. Began:		Type Plot:	P ☐ P/Z ☒



Cumulative Gas Production - (BCF)

GAS PRODUCTION HISTORY

Date 8-12-81

Page 1 of 1

Operator: Continental

Well: Jack "A" 20 No. 3

Location: H-20-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: First Production 6-49.

Recompleted to Langlie Mattix

[illegible]

19_53_____ Detail Summary

Jan.	<u>3284</u>	July	<u>1918</u>
Feb.	<u>3269</u>	Aug.	<u>76</u>
March	<u>138</u>	Sept.	<u>82</u>
April	<u>108</u>	Oct.	<u>67</u>
May	<u>93</u>	Nov.	<u>72</u>
June	<u>111</u>	Dec.	<u>78</u>

19 54 Detail Summary

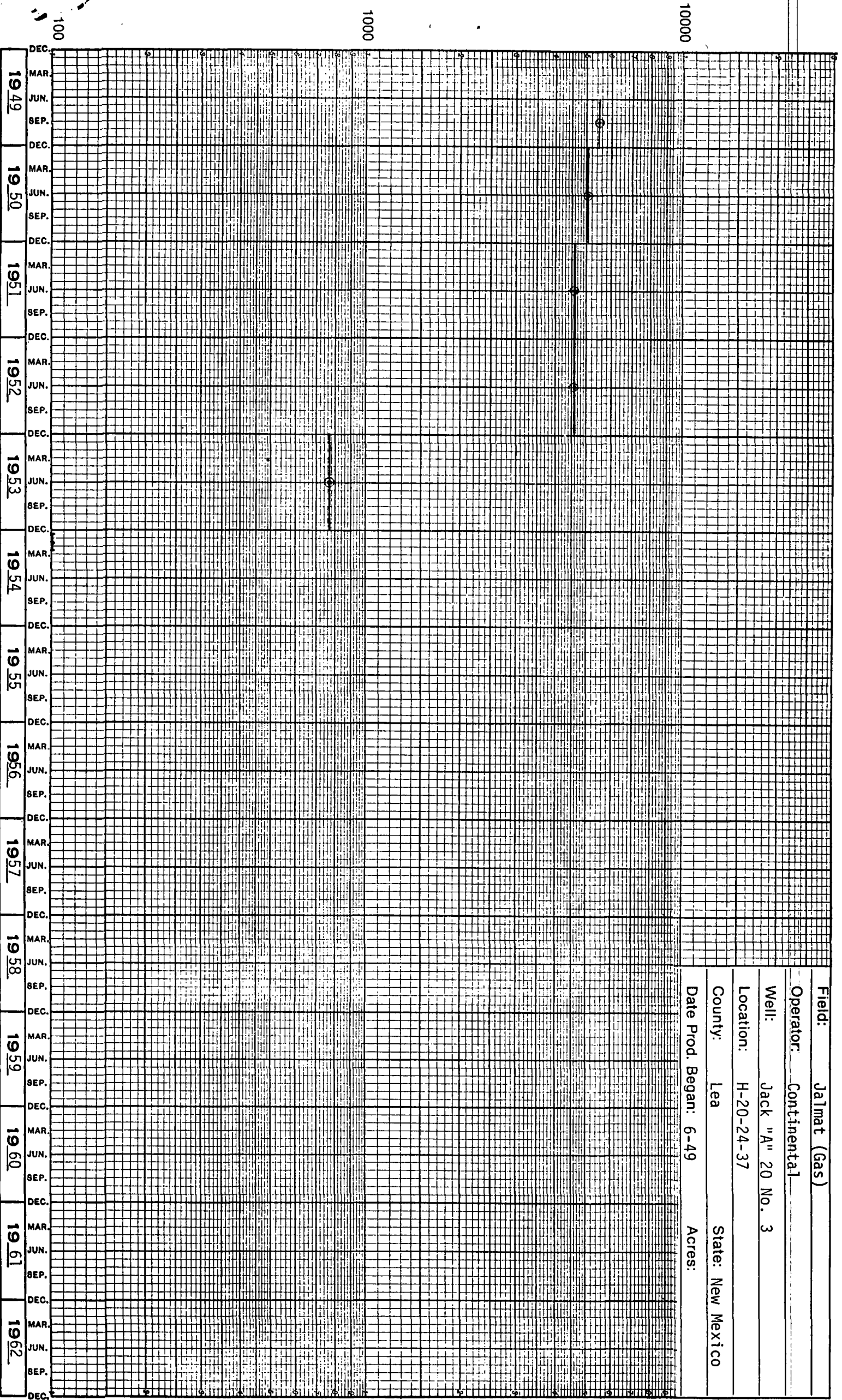
Jan.	75	July	
Feb.	68	Aug.	
March	67	Sept.	
April		Oct.	
May		Nov.	
June		Dec.	

Production (Y-T-D) 210 MCF

Days or Months (Y-T-D) 3 mos.

Avg. Rate (Y-T-D) 70 MCF/mo.

Gas Production - MCF/month



Field: Jalmat (Gas)

Operator: Continental

Well: Jack "A" 20 No. 3

Location: H-20-24-37

County: Lea State: New Mexico

Date Prod. Began: 6-49 Acres:

GAS PRODUCTION HISTORY

Date 12-28-79

Page 1 of 2

Operator: Atlantic Richfield

Well: William H. Harrison "C" W.N. No. 3

Location: L-20-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): 8-65

Remarks: First Production 8-65.

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z
1979	12	170107	14176	3784.2	133.2	140
1978	12	233300	19442	3614.1	52.2	51
1977	12	287820	23985	3380.8	183.2	185
1976	12	289164	24097	3093.0	203.2	210
1975	12	262343	21862	2803.8	253.2	260
1974	12	453734	37811	2541.5	250.2	260
1973	10	275793	27579	2087.7	293.2	310
1972	12	433437	36120	1811.9	297.2	315
1971	12	284909	23742	1378.5	328.2	350
1970	7	176095	25156	1093.6	366.2	395
1969	12	245930	20494	917.5	372.2	400
1968	12	160968	13414	671.6	410.2	445
1967	12	228377	19031	510.6	453.2	490
1966	12	209264	17422	282.2	475.2	515
1965	5	72948	14590	73.0	623.2	700

19 78 Detail Summary

Jan.	21601	July	20366
Feb.	20772	Aug.	18842
March	22427	Sept.	16770
April	20234	Oct.	19834
May	20397	Nov.	17303
June	15634	Dec.	19120

19 79 Detail Summary

Jan.	16692	July	14109
Feb.	15147	Aug.	12900
March	16266	Sept.	12929
April	15394	Oct.	13980
May	14688	Nov.	12957
June	13134	Dec.	11911

Production (Y-T-D) 170107 MCF

Avg. Rate (Y-T-D) 14176 MCF/mo.

Days or Months (Y-T-D) 12 mos.

GAS PRODUCTION HISTORY

Date 8-22-80

Page 2 of 2

Operator: Atlantic Richfield Co.

Well: William H. Harrison "C" W.N. No. 3

Location: _____ L-20-24-37

Pool: _____ **Jalmat (Gas)**

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas):

Completion Date (Gas): _____ **First Production (Gas):** _____

Remarks: _____ First Production 8-65.

[illegible]

19 80 Detail Summary

Jan.	<u>12365</u>	July	<u>7295</u>
Feb.	<u>11397</u>	Aug.	<u>10641</u>
March	<u>11042</u>	Sept.	<u>7943</u>
April	<u>11436</u>	Oct.	<u>8178</u>
May	<u>9374</u>	Nov.	<u>7842</u>
June	<u>11327</u>	Dec.	<u>7481</u>

19_81_ Detail Summary

Jan.	6805	July	
Feb.	5894	Aug.	
March	5752	Sept.	
April	4073	Oct.	
May	6321	Nov.	
June		Dec.	

Production (Y-T-D) 65125 MCF

Days or Months (Y-T-D) 6 mos.

Avg. Rate (Y-T-D) 10854 MCF/mo.

L-20-24-37

7-1-80 Cum: 3849.3 MMCF

Gas Production - MCF/month

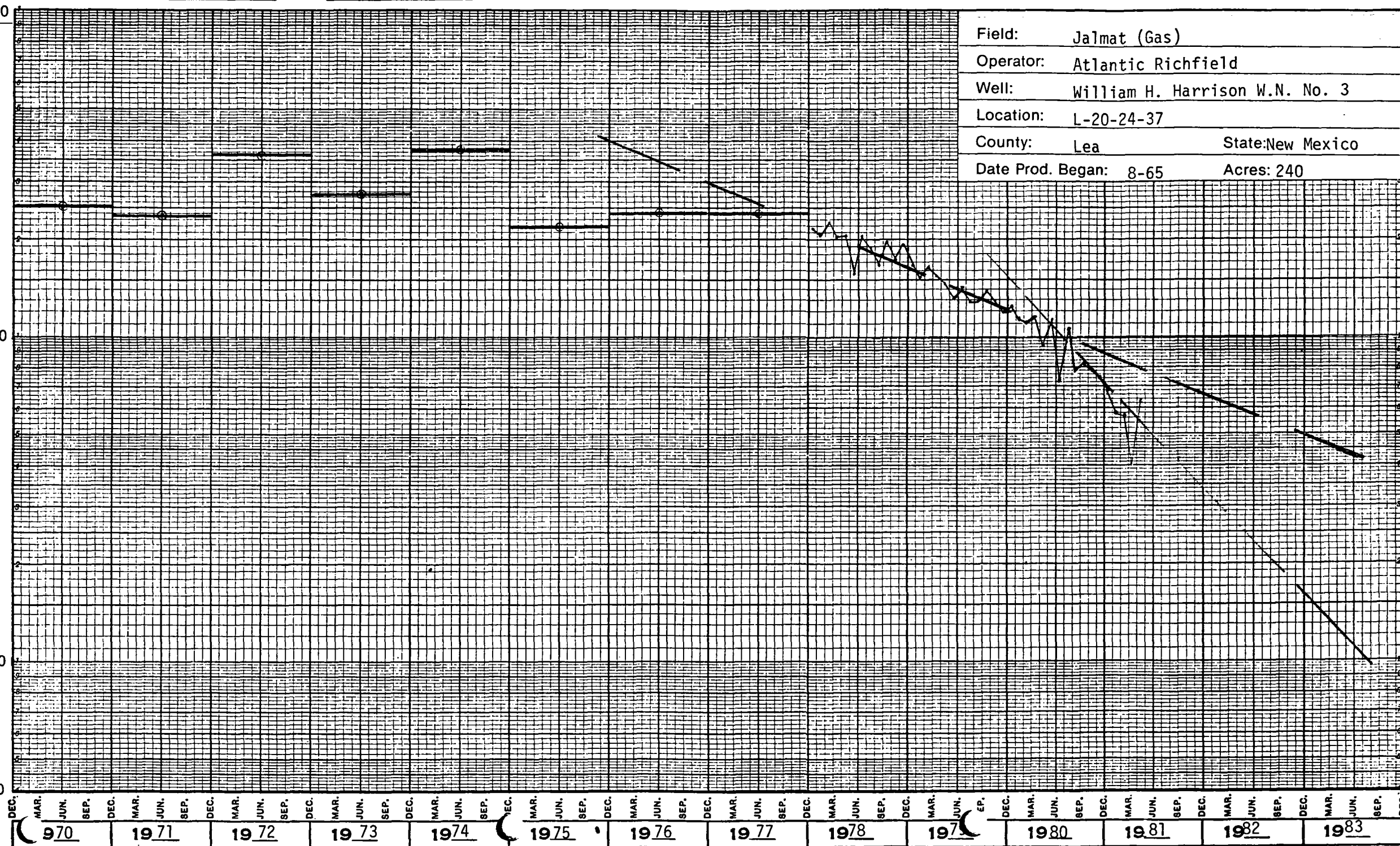
100,000

10,000

1,000

400

Field:	Jalmat (Gas)	
Operator:	Atlantic Richfield	
Well:	William H. Harrison W.N. No. 3	
Location:	L-20-24-37	
County:	Lea	State: New Mexico
Date Prod. Began:	8-65	Acres: 240



11-1-79 CUM: 3756.5MMCF

Field:	Jalmat (Gas)		
Operator:	Atlantic Richfield		
Well:	William H. Harrison "C" W.N. No. 3		
Location:	L-20-24-37	Acres:	240
County:	Lea	State:	New Mexico
Date Prod. Began:	8-65	Type Plot:	P ☐ P/Z ☒

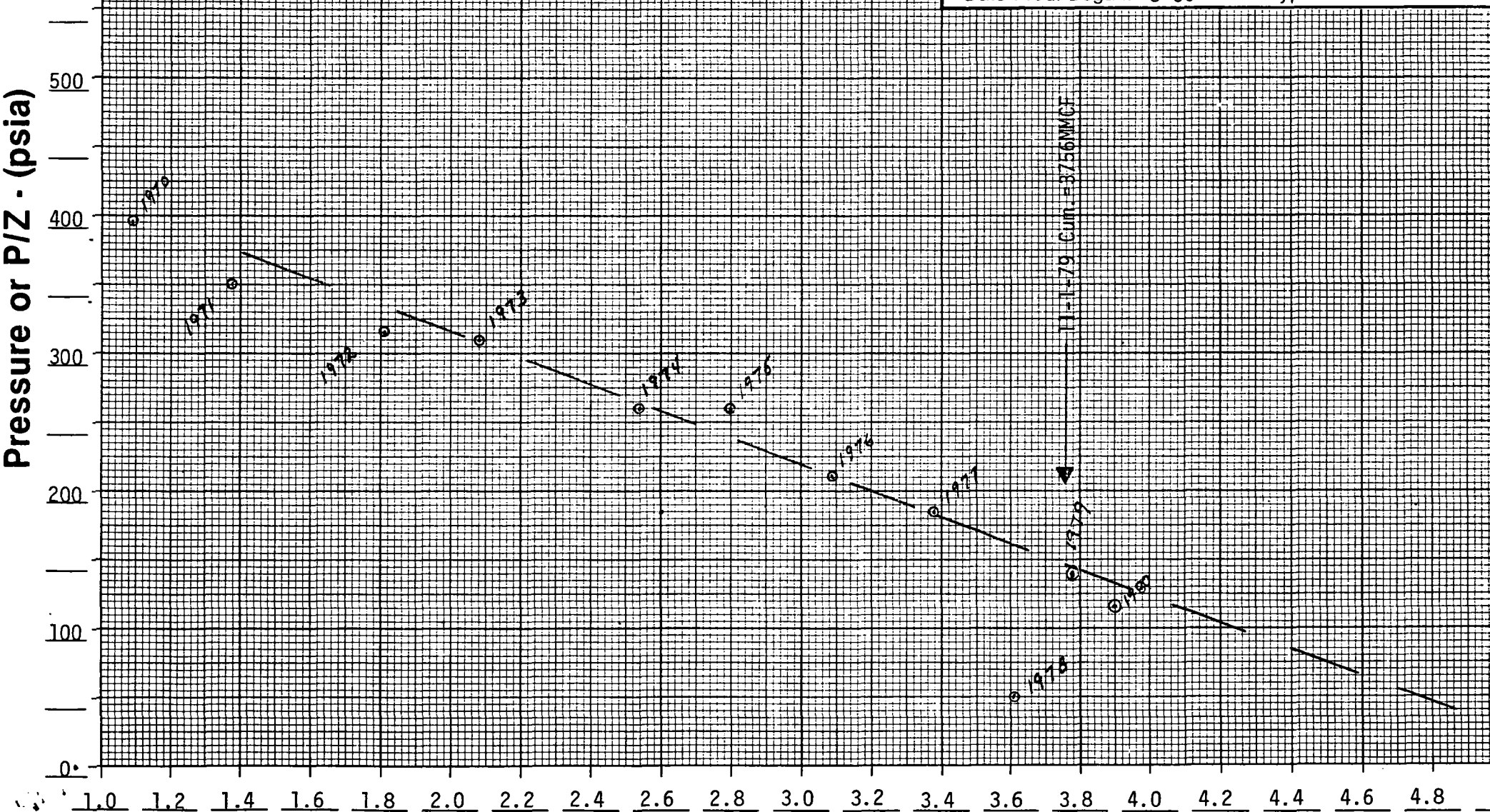
Pressure or P/Z - (psia)

700
600
500
400
300
200
100
0

11-1-79 Cum = 3756MMCF

1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2 3.4 3.6 3.8 4.0 4.2 4.4 4.6 4.8

Cumulative Gas Production - (BCF)



GAS PRODUCTION HISTORY

Date 4-2-81

Page 1 of 1

Operator: Doyle Hartman

Well: Fluor Harrison No. 1

Location: M-20-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: First Production 3-80.

[illegible]

19 80 Detail Summary

Jan.	_____	July	3028
Feb.	_____	Aug.	4574
March	977	Sept.	4212
April	3365	Oct.	4293
May	3091	Nov.	4236
June	4105	Dec.	4417

19 81 Detail Summary

Jan.	4296	July	
Feb.	3440	Aug.	
March	2673	Sept.	
April	1870	Oct.	
May	2242	Nov.	
June	1990	Dec.	

Production (Y-T-D) 16511 MCF

Avg. Rate (Y-T-D) 2752 MCF/mo.

Days or Months (Y-T-D) 6 mos.

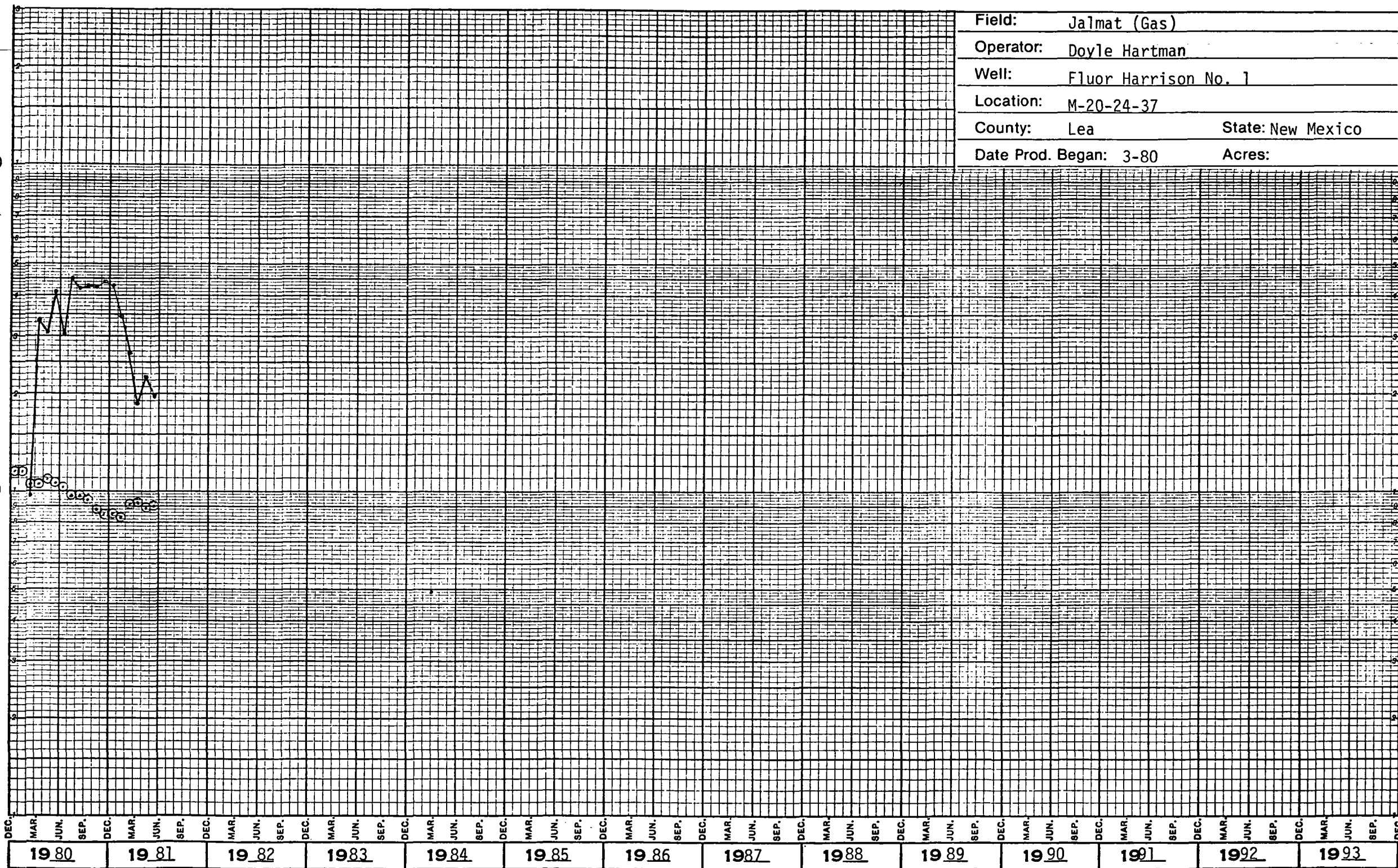
M-20-24-37

Gas Production - MCF/month

10000

1000

100



Field:	Jalmat (Gas)		
Operator:	Doyle Hartman		
Well:	Fluor Harrison No. 1		
Location:	M-20-24-37		
County:	Lea	State:	New Mexico
Date Prod. Began:	3-80	Acres:	

GAS PRODUCTION HISTORY

Date 1-8-80

Page 1 of 2

Operator: Conoco

Well: Jack "A-20" No.10

Location: 0-20-24-37

Pool: Jalmat (Gas)

Spud Date: 7-20-74 Original Completion Date: _____

Completion Interval (Gas): 0H 2880' - 3300'

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: First Production 10-74

[illegible]19 78 Detail Summary

Jan.	<u>15337</u>	July	<u>200</u>
Feb.	<u>13806</u>	Aug.	<u>500</u>
March	<u>14866</u>	Sept.	<u>401</u>
April	<u>13838</u>	Oct.	<u>0</u>
May	<u>14756</u>	Nov.	<u>263</u>
June	<u>3128</u>	Dec.	<u>449</u>

19 79 Detail Summary

Jan.	<u>354</u>	July	<u>50</u>
Feb.	<u>914</u>	Aug.	<u>74</u>
March	<u>460</u>	Sept.	<u>1326</u>
April	<u>321</u>	Oct.	<u>3937</u>
May	<u>159</u>	Nov.	<u>6477</u>
June	<u>220</u>	Dec.	<u>5616</u>

Production (Y-T-D) 9141 MCF

Days or Months (Y-T-D) 11 Mo.

Avg. Rate (Y-T-D) 831 MCF/MO.

0-20-24-37

GAS PRODUCTION HISTORY

Date 8-22-80

Page 2 of 2

Operator: Conoco

Well: Jack "A-20" No. 10

Location: 0-20-24-37

Pool: Jalmat (Gas)

Spud Date: 7-20-74 Original Completion Date: _____

Completion Interval (Gas): QH: 2880' - 3300'

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: First Production 10-74.

[illegible]

1980 Detail Summary

Jan. 9345 July 5659

Feb. 6596 Aug. 3563

March 5751 Sept. 2260

April 7350 Oct. 1495

May 4539 Nov. 731

June 7304 Dec. 435

19_81_ Detail Summary

Jan. 698 July

Feb. 947 Aug. 947

March 1256 Sept. 1256

April 839 Oct.

May 852 Nov.

June _____ Dec. _____

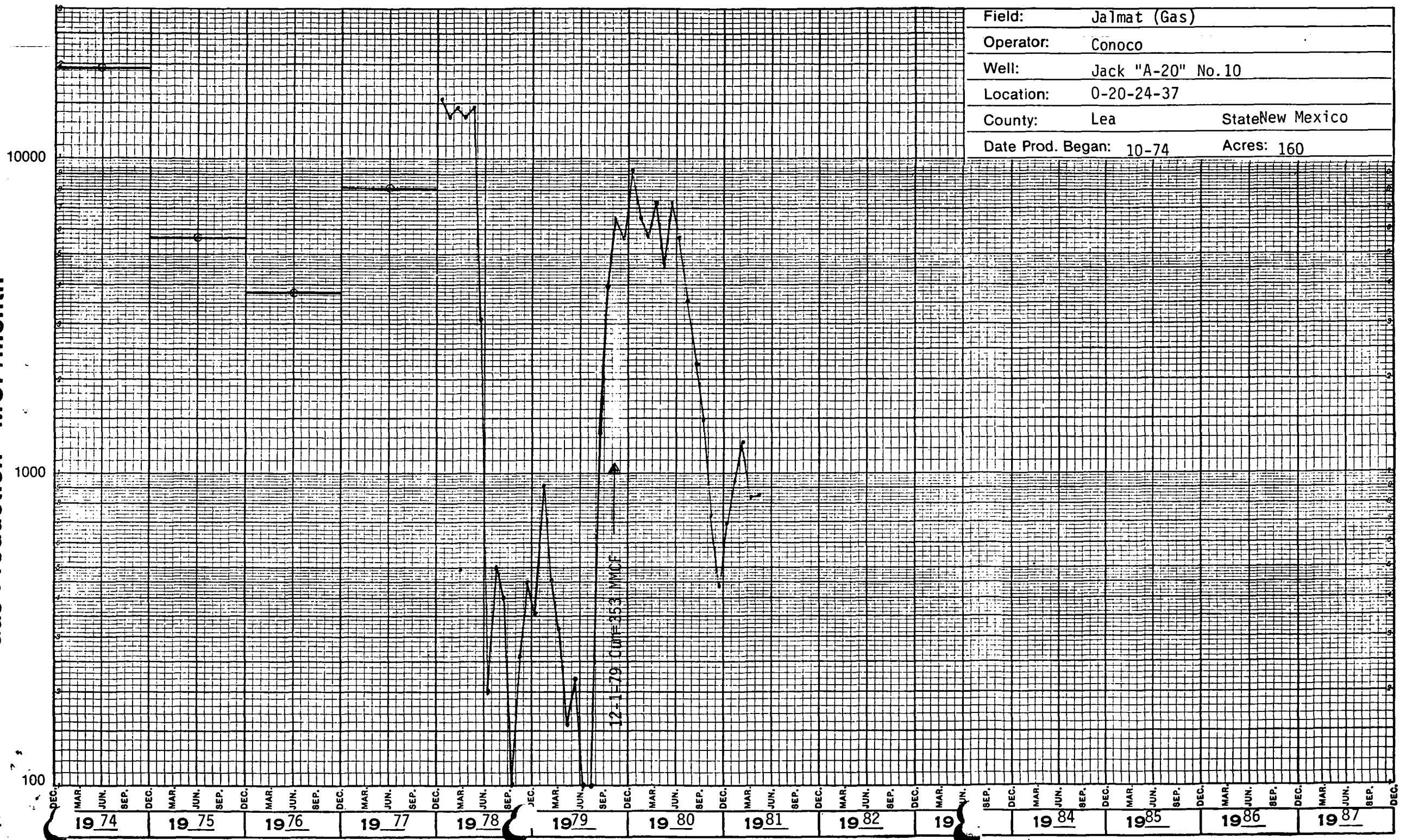
Production (Y-T-D) 40885 MCF

Avg. Rate (Y-T-D) 6814 MCF/mo.

Days or Months (Y-T-D) 6 mos.

0-20-24-37

Gas Production - MCF/month



Pressure or P/Z - (psia)

12-1-79

Cum. 353 MMCF

Field: Jalmat (Gas)

Operator: Conoco

Well: Jack "A-20" No.10

Location: 0-20-24-37 Acres: 160

County: Lea State: New Mexico

Date Prod. Began: 10-74

Type Plot: P ☐ P/Z ☒

500

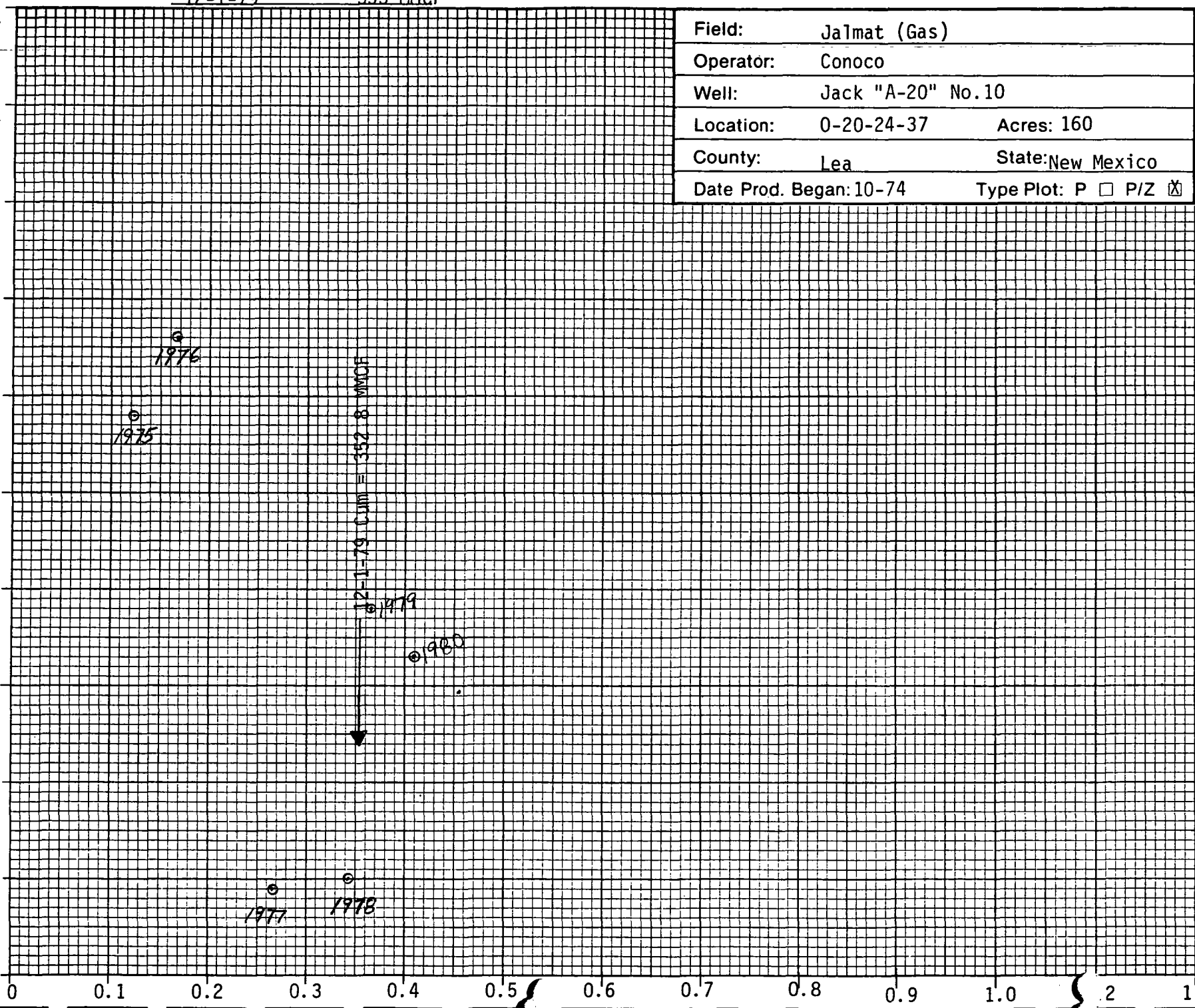
400

300

200

100

0



Cumulative Gas Production - (PCF)

GAS PRODUCTION HISTORY

Date 8-12-81

Page 1 of 1

Operator: Amoco

Well: Myers "B" Federal RA-A No. 4

Location: E-21-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: _____

[illegible]19 80 Detail Summary

Jan. 1785 July 1809

Feb. 1648 Aug. 1726

March 1753 Sept. 1513

April 1656 Oct. 1374

May 489 Nov. 1286

June 2053 Dec. 1280

19 81 Detail Summary

Jan. 1263 July

Feb. 1206 Aug. 1206

March 1193 Sept. 1193

April 1488 Oct. 1488

May 1464 Nov.

June _____ Dec. _____

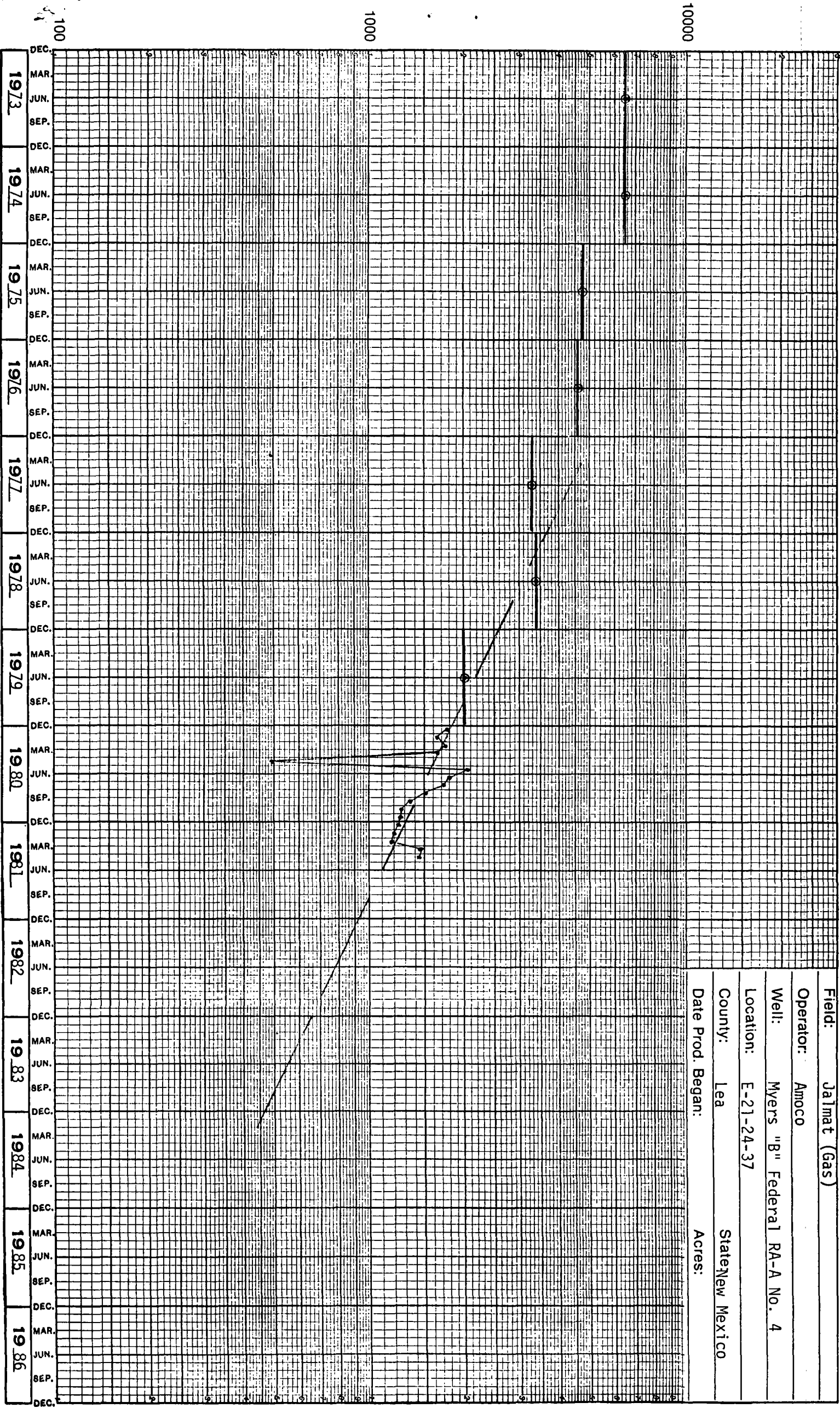
Production (Y-T-D) 6614 MCF

Avg. Rate (Y-T-D) 1323 MCF/mo.

Days or Months (Y-T-D) 5 mos.

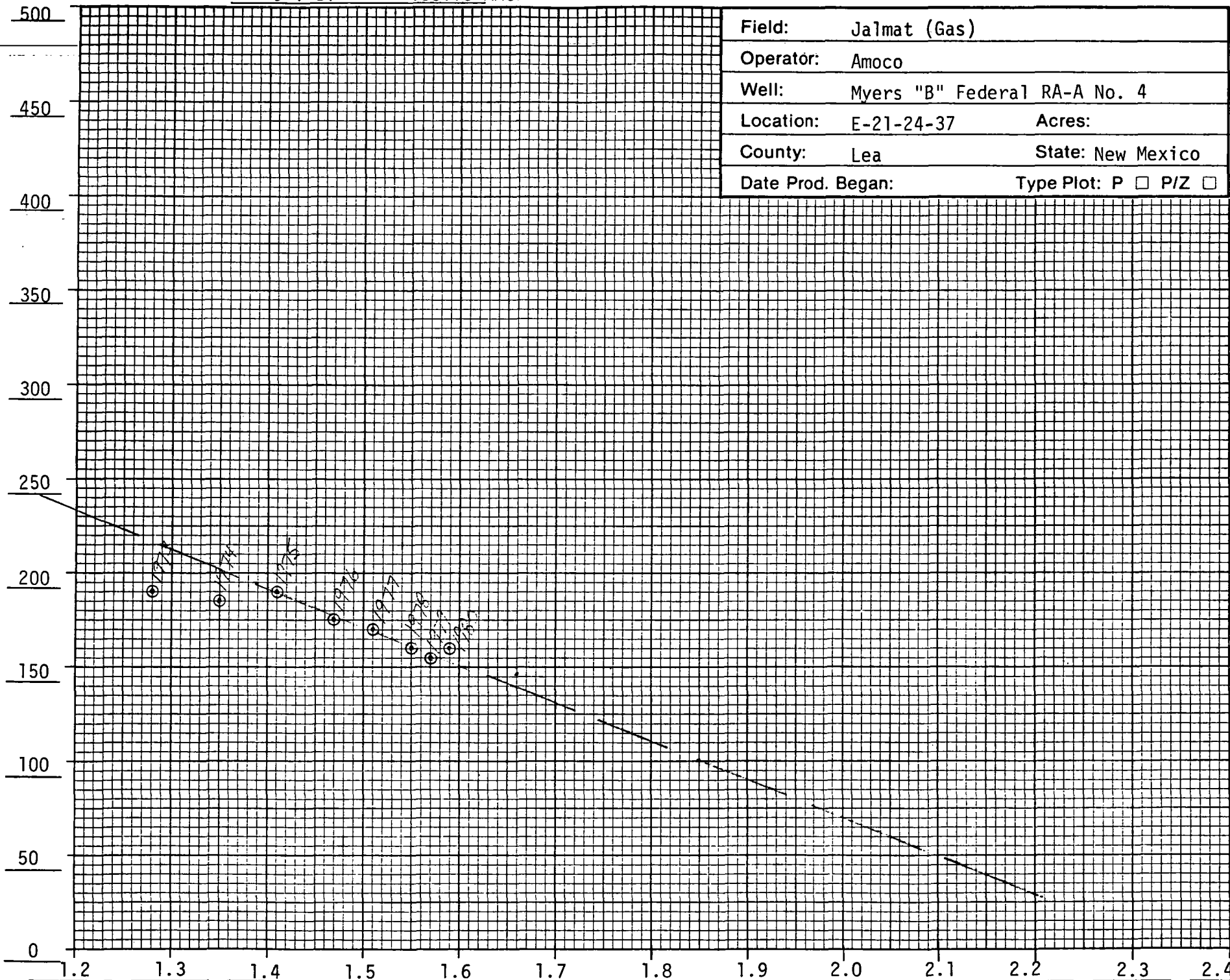
E-21-24-37

Gas Production - MCF/month



6-1-81 Cum. 1601.6 MMCF

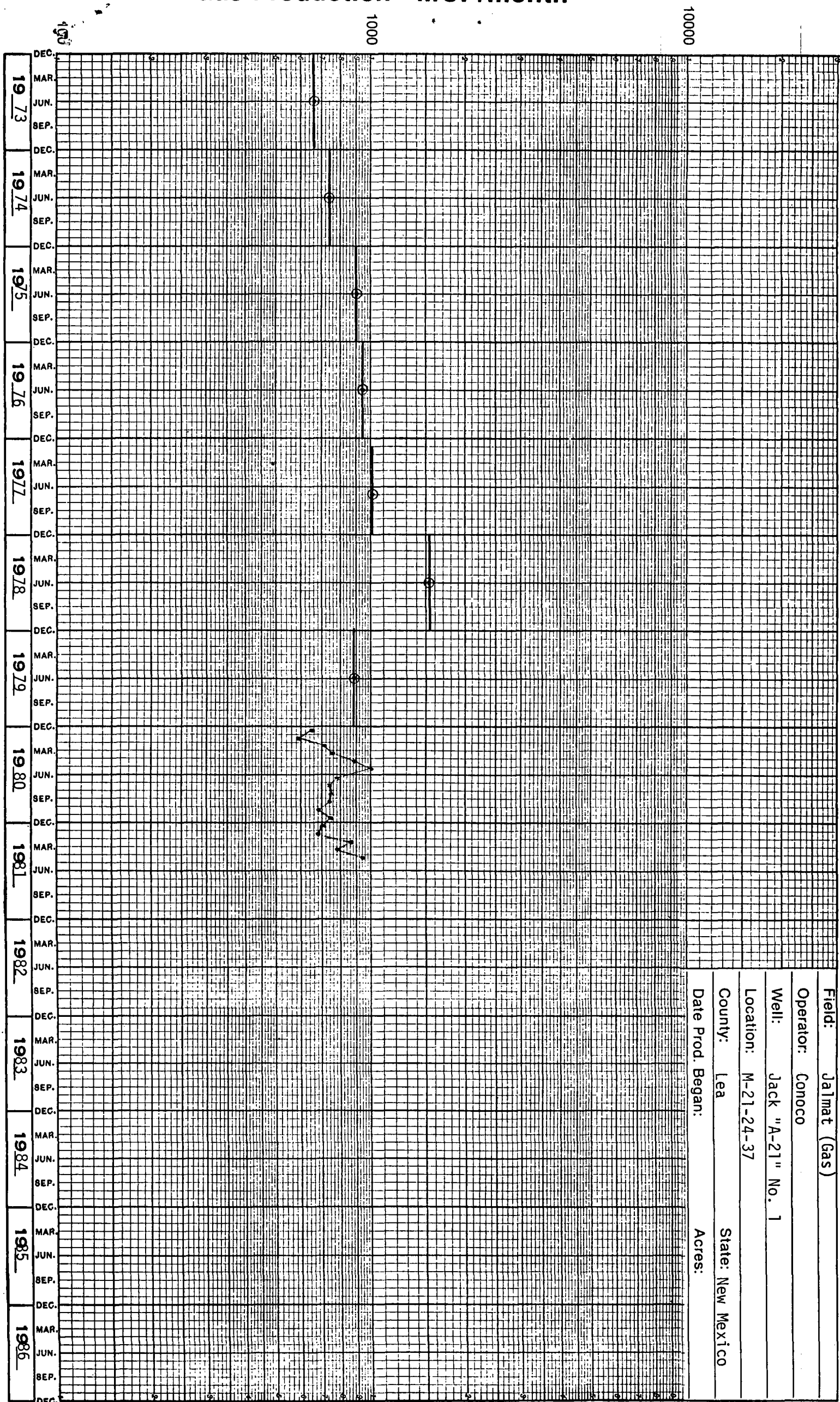
Pressure or P/Z - (psia)



Field:	Jalmat (Gas)		
Operator:	Amoco		
Well:	Myers "B" Federal RA-A No. 4		
Location:	E-21-24-37	Acres:	
County:	Lea	State:	New Mexico
Date Prod. Began:		Type Plot:	P ☐ P/Z ☐

Cumulative Gas Production - (RCF)

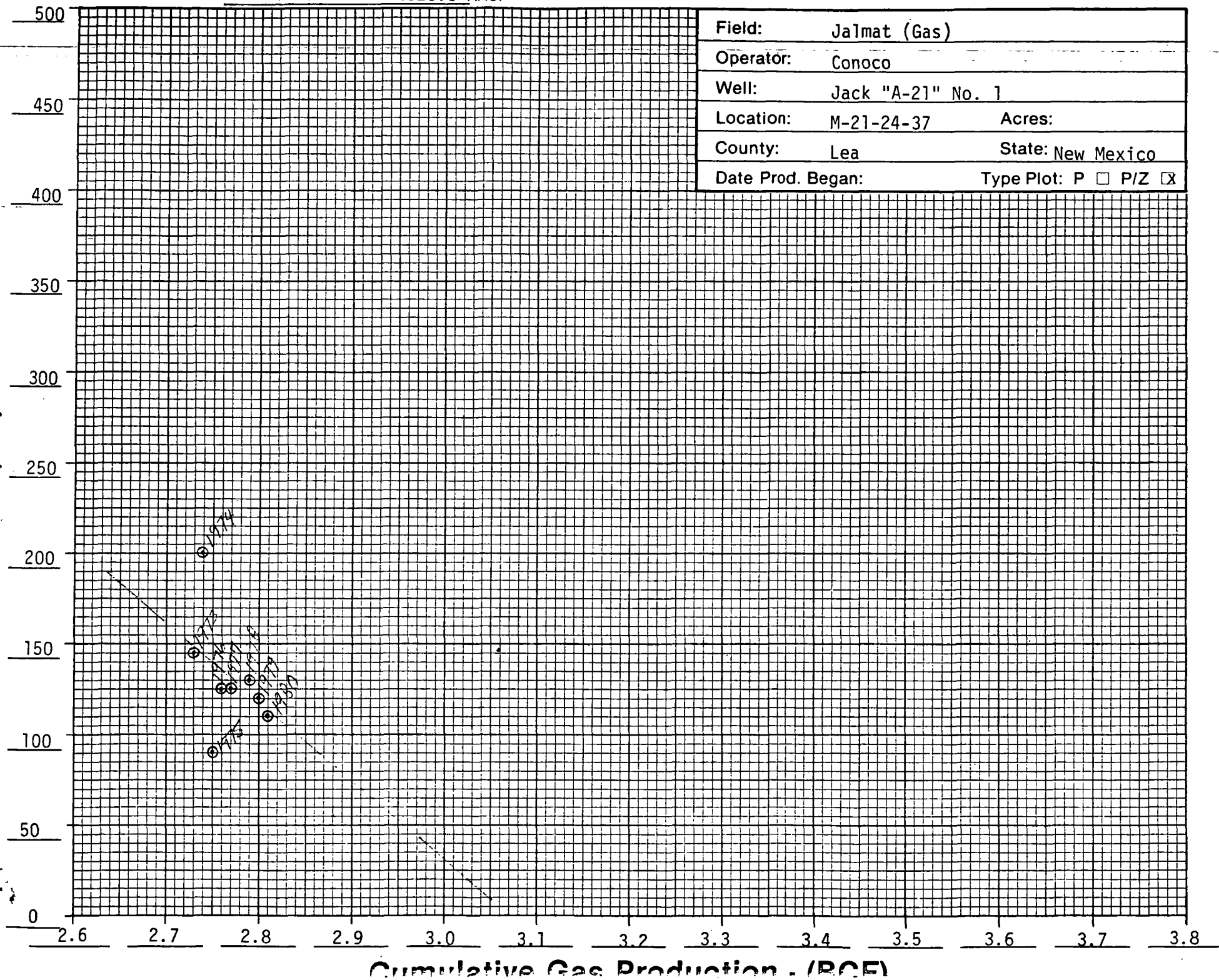
Gas Production - MCF/month



0-1-81 Cum. 2820.8 MMCF

Pressure or P/Z - (psia)

Field:	Jalmat (Gas)		
Operator:	Conoco		
Well:	Jack "A-21" No. 1		
Location:	M-21-24-37	Acres:	
County:	Lea	State:	New Mexico
Date Prod. Began:		Type Plot:	P ☐ P/Z ☒



GAS PRODUCTION HISTORY

Date 8-11-81

Page 1 of 1

Operator: Alpha Twenty-One Production Co.

Well: El Paso Smith No. 1

Location: N-21-24-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: First Production 4-80.

[illegible]

19 80 Detail Summary

Jan. _____ July 8920

Feb. _____ Aug. 7319

March _____ Sept. 8244

April 8916 Oct. 7647

May 3776 Nov. 6476

June 9825 Dec. 6726

19 81 Detail Summary

Jan. 5998 July 1998

Feb. 5177 Aug. 11

March 5658 Sept.

April 4318 Oct.

May 5255 Nov.

June _____ Dec. _____

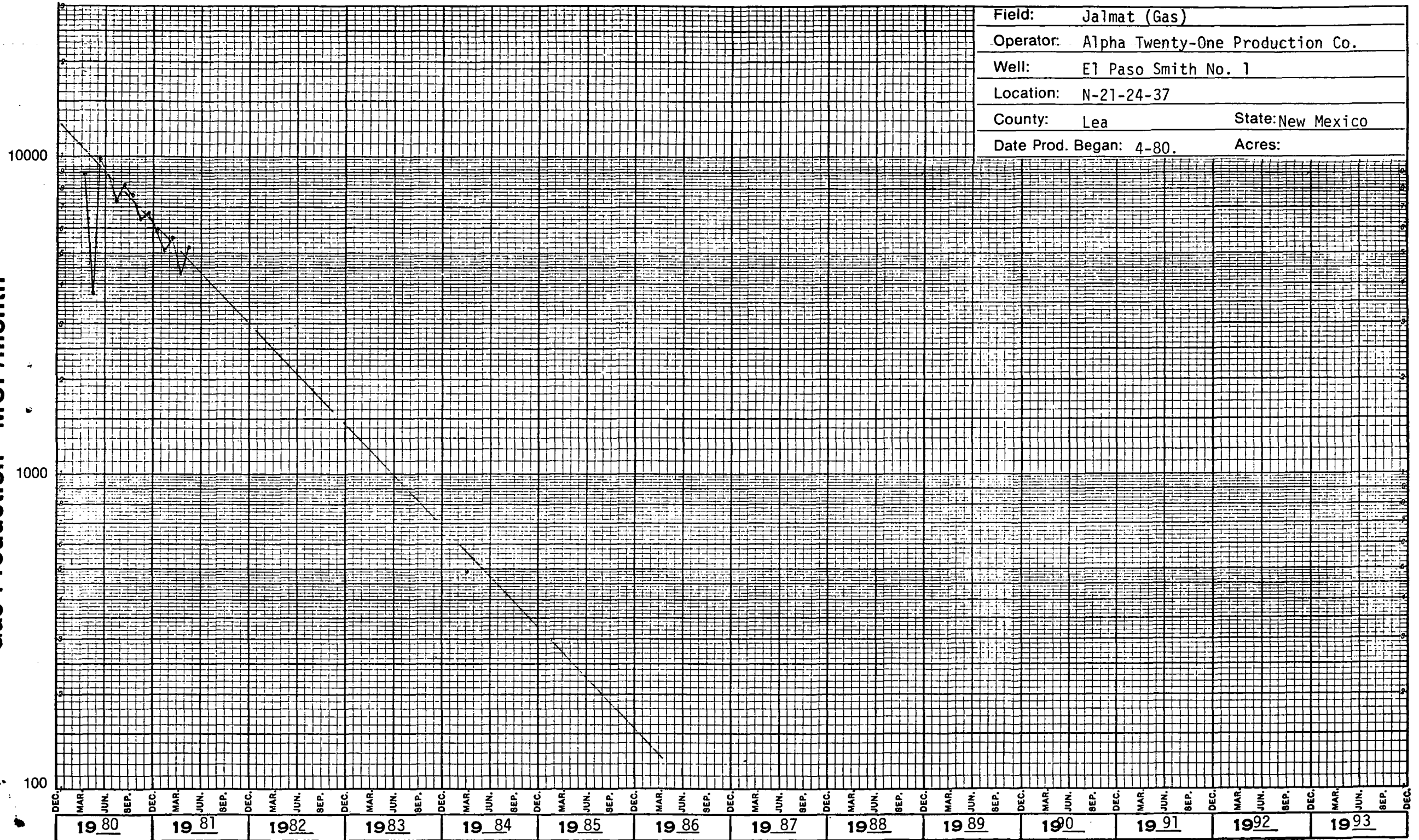
Production (Y-T-D) 26406 MCF

Avg. Rate (Y-T-D) 5281 MCF/mo.

Days or Months (Y-T-D) 5 mos.

N-21-24-37

Gas Production - MCF/month



Field:	Jalmat (Gas)	
Operator:	Alpha Twenty-One Production Co.	
Well:	El Paso Smith No. 1	
Location:	N-21-24-37	
County:	Lea	State: New Mexico
Date Prod. Began:	4-80.	Acres:

Page 1 of 1

Location: 0-21-24-37

Remarks: _____

[illegible]

19 80		Detail Summary	
Jan.	716	July	653
Feb.	578	Aug.	676
March	717	Sept.	645
April	624	Oct.	611
May	586	Nov.	324
June	635	Dec.	338

19 81		Detail Summary	
Jan.	571	July	
Feb.	456	Aug.	
March	197	Sept.	
April	447	Oct.	
May	523	Nov.	
June		Dec.	

Days or Months (Y-T-D) 5 mos.

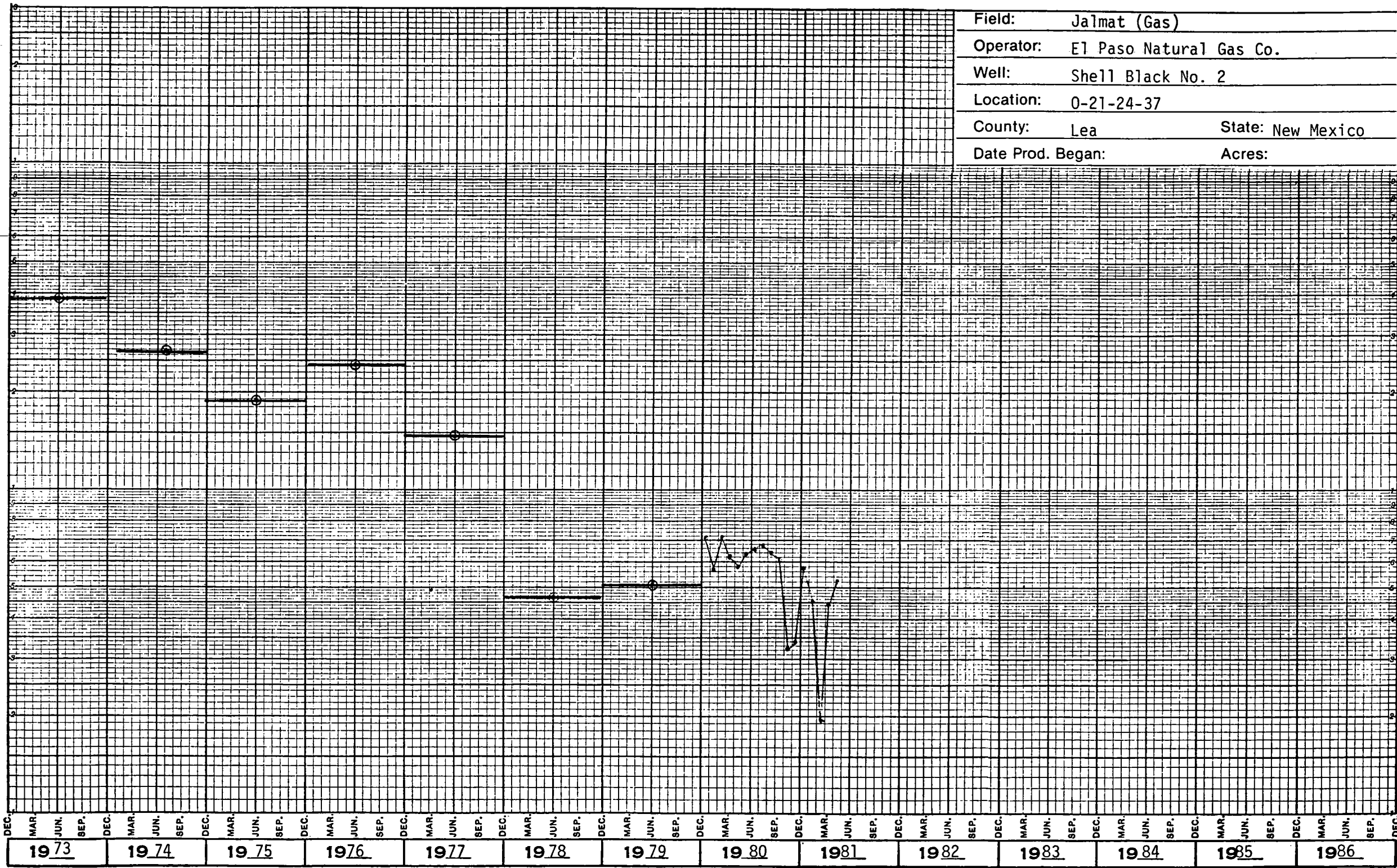
0-21-24-37

Gas Production - MCF/month

10000

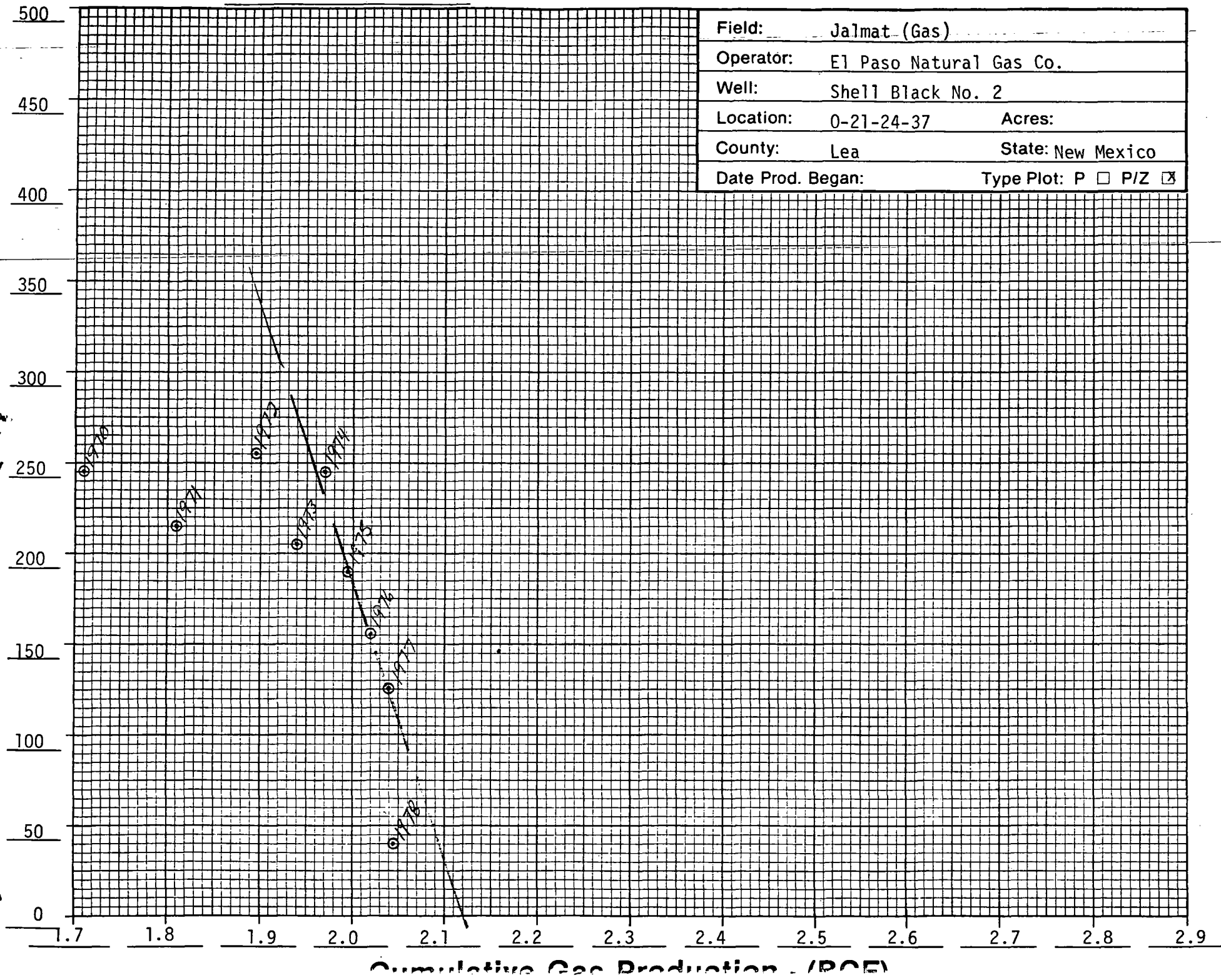
1000

100



Field:	Jalmat (Gas)	
Operator:	El Paso Natural Gas Co.	
Well:	Shell Black No. 2	
Location:	0-21-24-37	
County:	Lea	State: New Mexico
Date Prod. Began:	Acres:	

Pressure or P/Z - (psia)



Field:	Jalmat (Gas)		
Operator:	El Paso Natural Gas Co.		
Well:	Shell Black No. 2		
Location:	0-21-24-37	Acres:	
County:	Lea	State:	New Mexico
Date Prod. Began:		Type Plot:	P ☐ P/Z ☒