STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

ADMINISTRATIVE ORDER

NFL 31

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. 3

Location: Unit J Sec. 17 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 Jalmat (Gas) 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 #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 1220 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 131

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. 3

Location: Unit J Sec. 17 Twp. 24-S Rng. 37-E Cty. Lea

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(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 1220 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____.

Joe D. Ramey

DIVISION DIRECTOR ✓ EXAMINER ____

DOYLE HARTMAN
Oil Operator
500 N. MAIN
P. O. BOX 10426
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. 3
API No. 30-025-27537
1980 FSL & 2080 FEL (J)
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. 3 located Unit J, 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 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 6, 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

/mh

Enclosures as above

RADTKE, AYCOCK, & ASSOCIATES, INC.
Petroleum Engineering Consultants
308 WALL TOWERS WEST
MIDLAND, TEXAS 79701
TELEPHONE 915/683-5721

October 6, 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. 3, 17(J)-25S-37E, Jalmat Pool, Lea County, New Mexico

Gentlemen:

Attached for 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 Map, Jalmat Pool for Wells in the Vicinity of The Application Well

Cross Section A-A'

Cross Section B-B'

Exhibit 4 (with attachments)

Some of this information was presented on August 26, 1981, New Mexico Oil Conservation Division Case No. 7339.

Very truly yours,

Wm. P. Aycock, P.E.

WPA/bw

Attachments

RADTKE, AYCOCK, & ASSOCIATES, INC.
Petroleum Engineering Consultants
308 WALL TOWERS WEST
MIDLAND, TEXAS 79701
TELEPHONE 915/683-5721

October 6, 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: Exhibit 4, N.G.P.A. Administrative Gas Well Infill Application for Doyle Hartman's Late-Thomas No. 3 Well, 17(J)-24S-37E, Jalmat Pool, Lea County, New Mexico

Gentlemen:

The answers to Rules 8.g., 9.b. and 9.c. as required by the Special Rules and Regulations, Natural Gas Policy Act Infill Findings Administrative Procedure, were developed from engineering studies of both the application well and several nearby Jalmat Pool gas wells.

Rule 8.g., 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 320-acre south one-half of Section 17, Township 24 South, Range 37 East was assigned to the Late Oil Co. Thomas No. 1 well (the operations of which have now been assumed by Doyle Hartman), located at 660' FSL and 660' FWL, in Unit "M". This well was completed August 15, 1953, from 240 perforations between the depths of 2990 feet and 3100 feet. This well potential tested for 50,000 MCF per day without stimulation and, as of June 1, 1981, had produced 4576 MMCF of gas, with an estimated ultimate recovery of 4655 MMCF (79 MMCF additional), with approximate monthly production of 2400 MCF per month. The estimated effective drainage area for this well is 67.1 acres, leaving 252.9 acres of Jalmat Pool reservoir area underlying the S/2, 17-24S-37E that are not being effectively drained by a well located thereon. This calculation was performed by first combining the following estimated volumetric factors:

Mean Effective Porosity, % Bulk Vol.	21.6
Mean Connate Water Stn., % N.E.P.S.	22.1
Net Effective Pay Thickness, Feet	126.
Initial Gas Formation Volume Factor, Std. Vol./Res. Vol.	82.6
Original Gas-in-place, MMCF	5287.

These results were an original gas-in-place of 78.8 MMCF/acre, which when combined with the original gas-in-place of 5287 MMCF (derived from extrapolation of BHP/Z as a function of cumulative gas production in a linear function), resulted in an effective drainage area of 67.1 acres.

Rule 9.b. requires "...the volume of increased recovery expected to be obtained and a narrative explaining how the increase was determined" be reported. The estimated increased gas recovery anticipated for the Doyle Hartman Late-Thomas No. 3 is 1220 MMCF; this estimate of increased recovery was derived from integration of the following volumetric and drainage parameters:

Original Gas-in-place, MMCF/acre	10.7
Effective Drainage Area, acres	159
Estimated Gas Recovery Factor, fcn of original gas-in-place	0.72

(10.7)(159)(.72) = 1225

These parameters were derived from well log and pressure performance studies of the application well and those of eleven nearby Jalmat Pool gas wells (see attached supporting data tabulation) for which the necessary data was available. The studies of the Doyle Hartman Late-Thomas No. 3 were predicated upon and/or yielded the following:

Completion Interval:	2855 ft. to 3117 ft. Well Depth
Mean Porosity, fcn of bulk volume	0.183
Mean Connate Water Saturation, fcn of Net Effective Pore Space	0.42
Net Effective Pay Thickness, feet	89.
Static Shut-in Wellhead Pressure, psi	361.

Rule 9.c. specifies that "...any other supporting data which the applicant deems to be relevant..." be submitted; in this connection, attached are the following:

- Summary of Individual Well Information for Jalmat Pool Gas Wells in the Vicinity of Doyle Hartman's Late-Thomas Nos. 2 and 3
- Jalmat Gas Production Histories and P/Z vs. Cumulative Production Plots, T-24-S, R-37-E

While we believe that the foregoing serves to satisfy the requirements of Exhibit 4, Special Rules and Regulations, Natural Gas Policy Act Infill Findings Administrative Procedure, we should be pleased to furnish anything additional that you might require which is available to us, upon request.

Very truly yours,

Wm. P. Aycock, P.E.

WPA/bw

Attachments

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

LARRY KEHOE
SECRETARY

DOYLE HARTMAN
P O BOX 10426
MIDLAND TEXAS 79702

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

Re: Wellhead price ceiling determination, NGPA of 1978

RECEIVED
DEC 01 1981
OIL CONSERVATION DIVISION
SANTA FE

Gentlemen:

The New Mexico Oil Conservation Division has received your application for a wellhead price ceiling category determination under the section (s) of the Natural Gas Policy Act of 1978 indicated below. If your application is incomplete, forms are attached hereto, indicating the documents and further information which must be filed before your application can be considered. If your application is complete, it will be acted upon administratively unless written objection is received within 15 days of its filing.

WELL NAME AND LOCATION Late Thomas #3-J 17-24S-37E

SECTION (S) APPLIED FOR 103

DATE APPLICATION RECEIVED October 28, 1981

Obtain an NFL Order & forward

APPLICATION INCOMPLETE two copies.

Sincerely,

DATE: 11/12/81

NOTE:

THIS FORM LETTER MUST ACCOMPANY TWO COPIES OF THE SUPPLEMENTARY INFORMATION.

NOV 23 1981

30-025-27537

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

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

5A. Indicate Type of Lease: STATE [ ] FEE [X]

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. Type of Well: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. Unit Agreement Name

8. Farm or Lease Name: Late Thomas

9. Well No.: 3

10. Field and Pool, or Wildcat: Jalmat (Gas)

2. Name of Operator: Doyle Hartman

3. Address of Operator: P. O. Box 10426, Midland, Texas 79702

4. Location of Well: UNIT LETTER J LOCATED 1980 FEET FROM THE South LINE AND 2080 FEET FROM THE East LINE OF SEC. 17 TWP. 24S RGE. 37E NMPM

12. County: Lea

19. Proposed Depth: 3400 | 19A. Formation: Yates | 20. Rotary or C.T.: Rotary

21. Elevations (Show whether DF, RT, etc.): 3267 G.L. | 21A. Kind & Status Plug. Bond: Multi-Well Approved | 21B. Drilling Contractor: Kenai | 22. Approx. Date Work will start: September, 1981

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.

[illegible] 180
2/20/82

DOYLE HARTMAN [illegible]

IN 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. Nermyr Title Engineer Date Aug 17, 1981

AUG 24

(This space for State Use)

AUG 20 1981

APPROVED BY ____ TITLE ____ DATE ____

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
DOYLE HARTMAN	THOMAS	3

Unit Letter	Section	Township	Range	County
J	17	24 SOUTH	37 EAST	LEA

Actual Footage Location of Well:
2080 feet from the EAST line and 1980 feet from the SOUTH line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3267.0	Yates	Jalmat (Gas)	320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

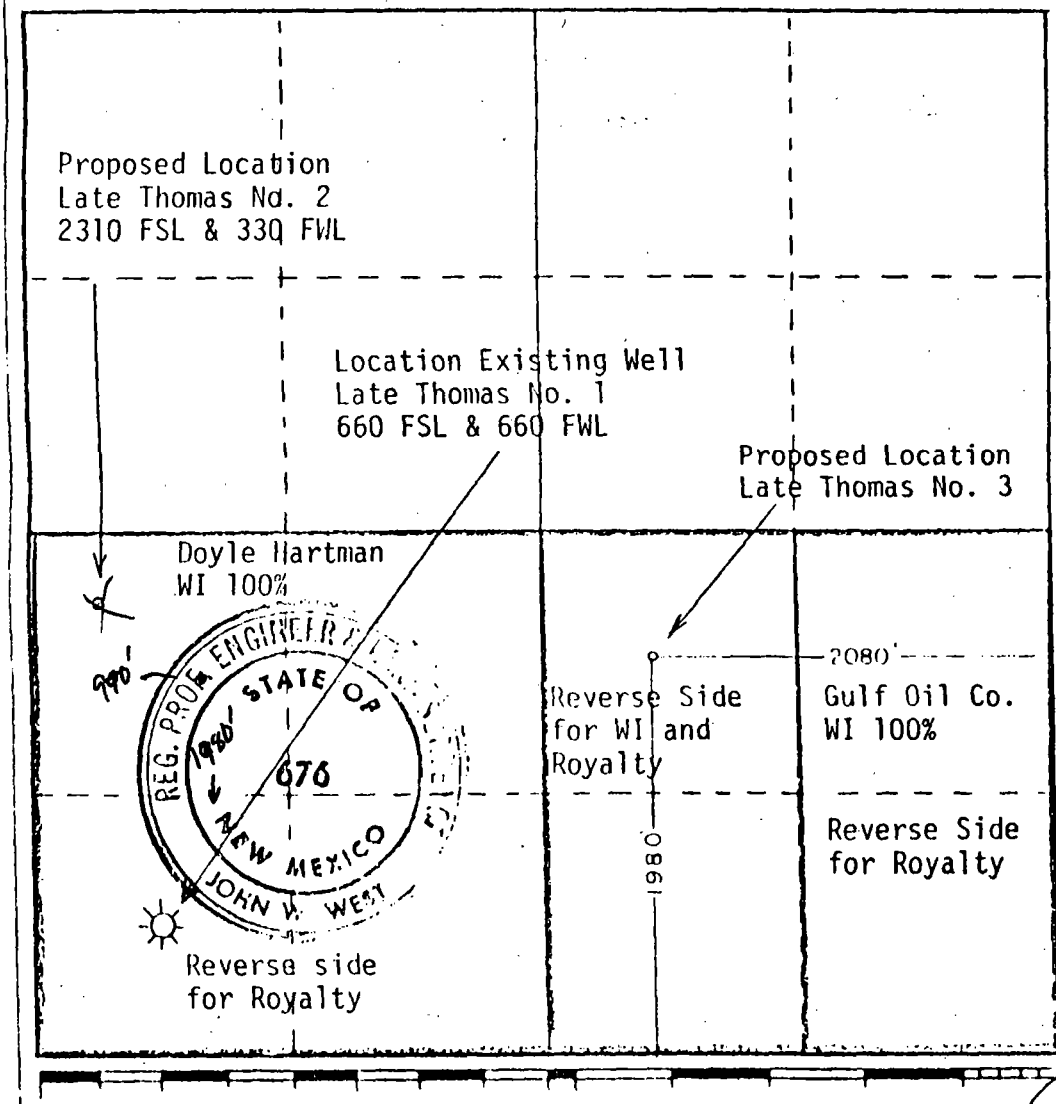
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.



CERTIFICATION

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

Name: Larry Q. Nenney

Position: Engineer

Company: Doyle Hartman

Date: August 17, 1981

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/or Land Surveyor

John W. West

Certificate No. JOHN W. WEST 676
PATRICK A. ROMERO 6668
Ronald J. Eidson 3239

Royalty S/2 Section 17, T-24-S, R-37-E

Cities Service Company	5/8
Jeannette E. Clift	5/96
Kathleen Cone	13/96
Douglas Cone	13/480
Clifford Cone	13/480
Thomas R. Cone	13/480
Kenneth G. Cone	13/480
Cathie Auvenshine	13/480
San Angelo National Bank, Trustee	5/192
San Angelo National Bank, Successor Trustee under will of Ralph W. Leftwich, Deceased	5/192

Working Interest W/2 SE/4 Section 17, T-24-S, R-37-E.

Cities Service Company	69.7675%
Kathleen Cone	15.1163%
Douglas Cone	3.0232%
Clifford Cone	3.0232%
Thomas Cone	3.0232%
Kenneth G. Cone	3.0232%
Cathie Auvenshine	3.0232%

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

Late-Thomas No. 3
API No. 30-025-27537
1980 FSL & 2080 FEL (J)
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. 3) as a Section 103 infill well.

Michelle Hembree
Michelle Hembree
Administrative Assistant

Also, See Letter from William P Aycock dated October 6, 1981

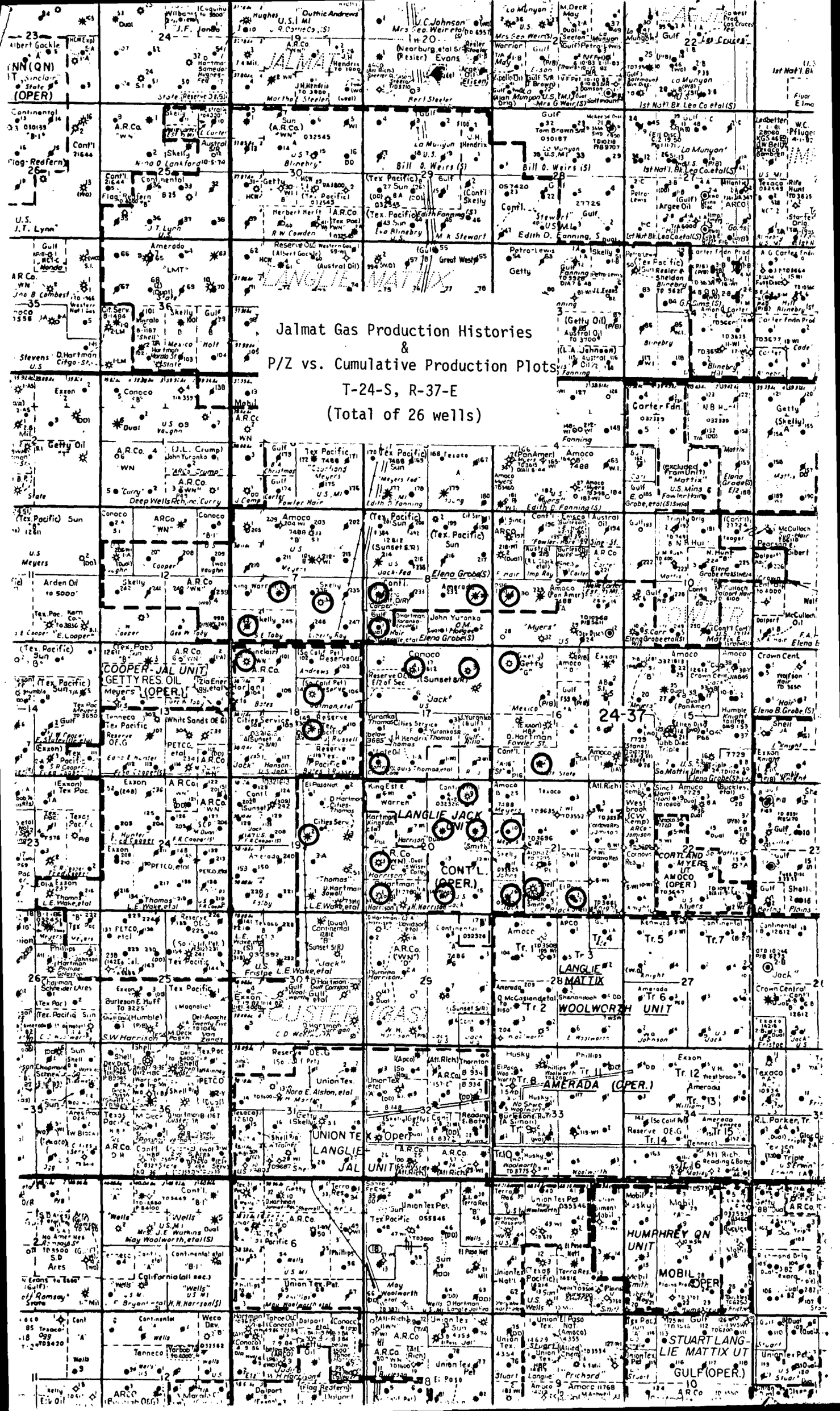
SUMMARY OF INDIVIDUAL WELL INFORMATION FOR JALMAT POOL GAS WELLS

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	Conoco, Inc.						Getty		Getty Reserve	Gulf	Late Oil Co.
WELL NAME & NUMBER	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-Royalties #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


Jalmat Gas Production Histories
&
P/Z vs. Cumulative Production Plots
T-24-S, R-37-E
(Total of 26 wells)
JALMAT
LANGLIE MATTIX
LANGLIE JAL UNIT
CONT'L (OPER.)
COOPER-JAL UNIT
GETTY RES. OIL
Meyers (OPER.)
24-37
CORTLAND MYERS UT
AMOCO (OPER)
LANGLIE MATTIX
WOOLWORTH UNIT
AMERADA (OPER.)
UNION TEX
LANGLIE JAL
UNIT
HUMPHREY ON UNIT
MOBIL OPER.
STUART LANGLIE MATTIX UT
GULF (OPER.)

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:

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1970	5	119326	23865	5257.9	423.2	455	
1971	7	197884	28269	5455.8	379.2	405	
1972	11	208912	18992	5664.7	374.2	400	
1973	10	332062	33206	5996.8	360.2	380	
1974	7	212176	30311	6209.0	358.2	375	
1975	12	182306	15192	6391.3	338.2	360	
1976	11	171689	15608	6563.0	223.2	235	
1977	11	69641	6331	6632.6	44.2	45	
1978	12	34571	2881	6667.2	214.2	225	
1979	12	32019	2668	6699.2	169.2	175	
1980	12	27528	2294	6726.7	59.2	60	
1981	5	6242	1248	6732.9	N/A	N/A	

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

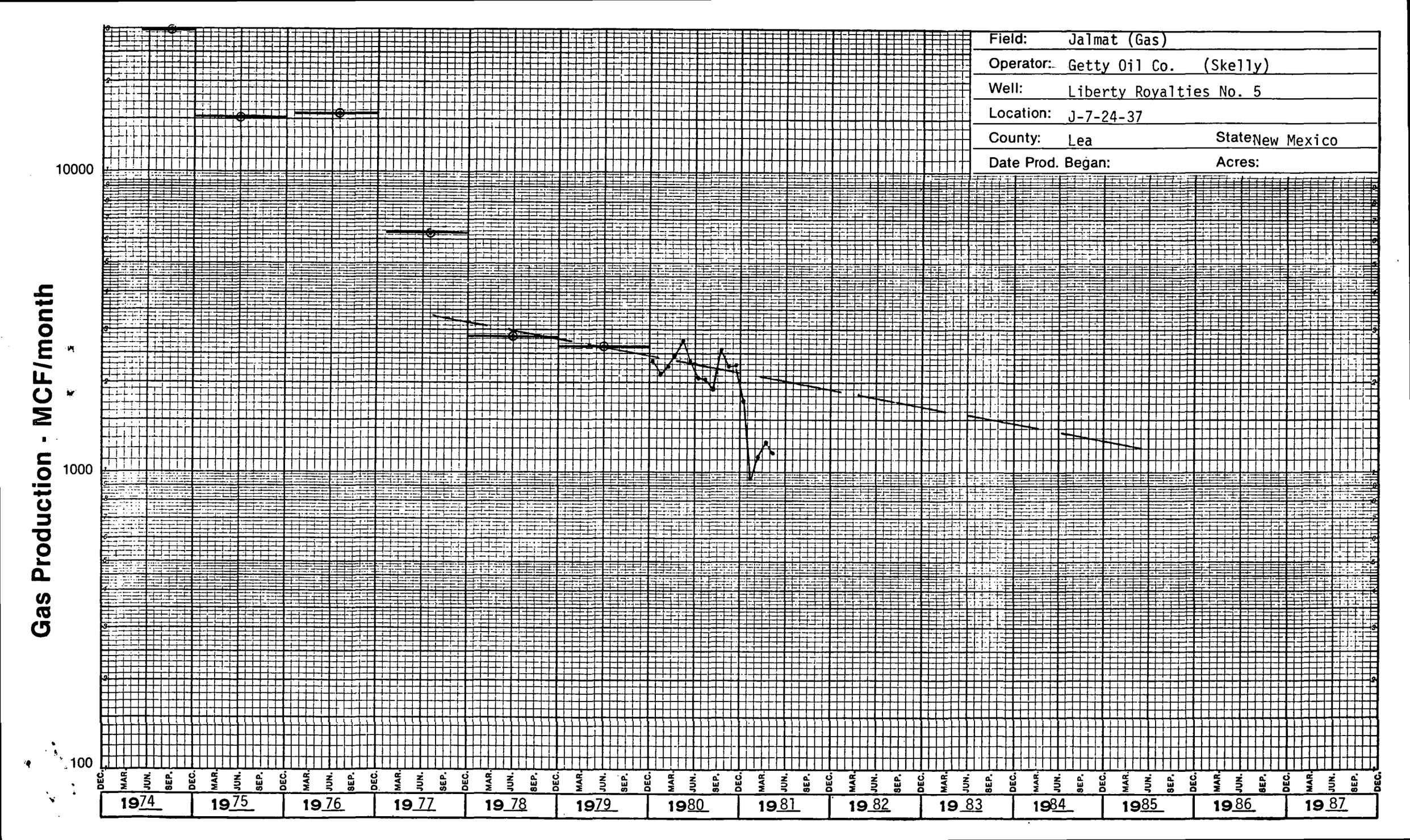
Jan.	1729	July	
Feb.	958	Aug.	
March	1115	Sept.	
April	1274	Oct.	
May	1166	Nov.	
June		Dec.	

Production (Y-T-D) 6242 MCF

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

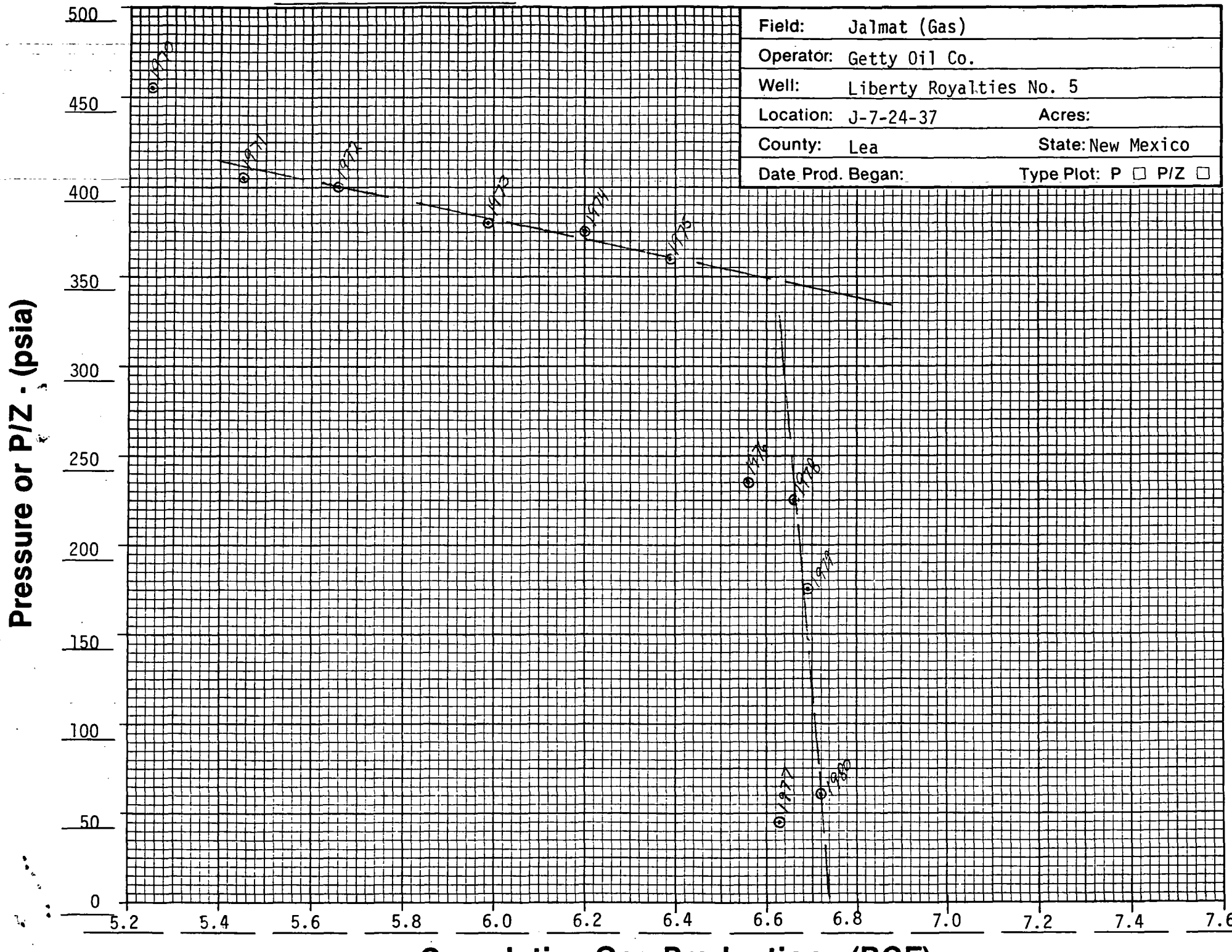
Days or Months (Y-T-D) 5 mos.

J-7-24-37


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:
Gas Production - MCF/month
10000
1000
100
DEC. MAR. JUN. SEP.
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987

6-1-81 CUM: 6732.9 MMCF

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



GAS PRODUCTION HISTORY

Date 11-27-79

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

Date 7-24-80

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:

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1980	12	1595	133	3855.4	218.2	220	
1981	5	425	85	3855.8	N/A	N/A	

19 81 Detail Summary

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

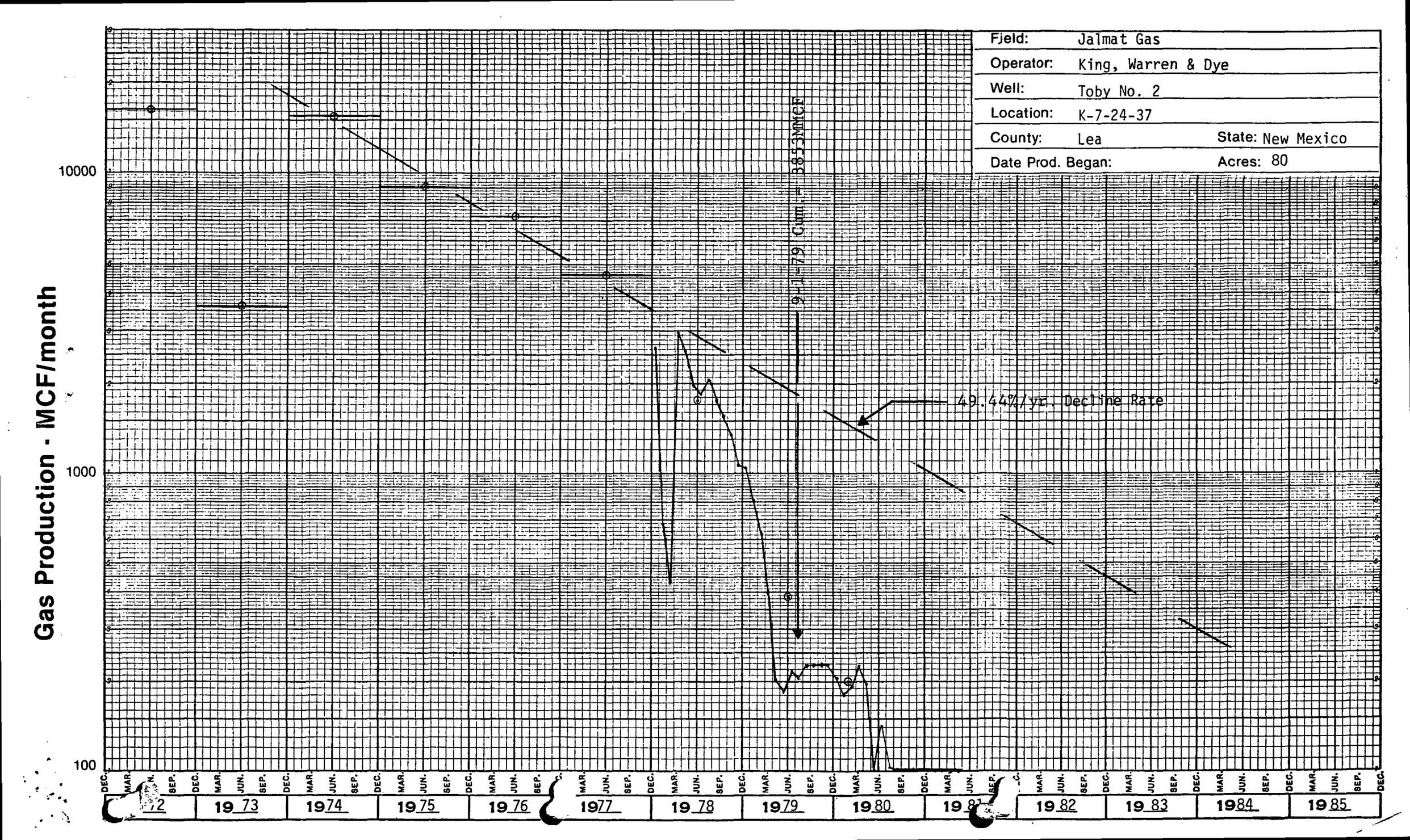
Production (Y-T-D) 245 MCF

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

19 80 Detail Summary

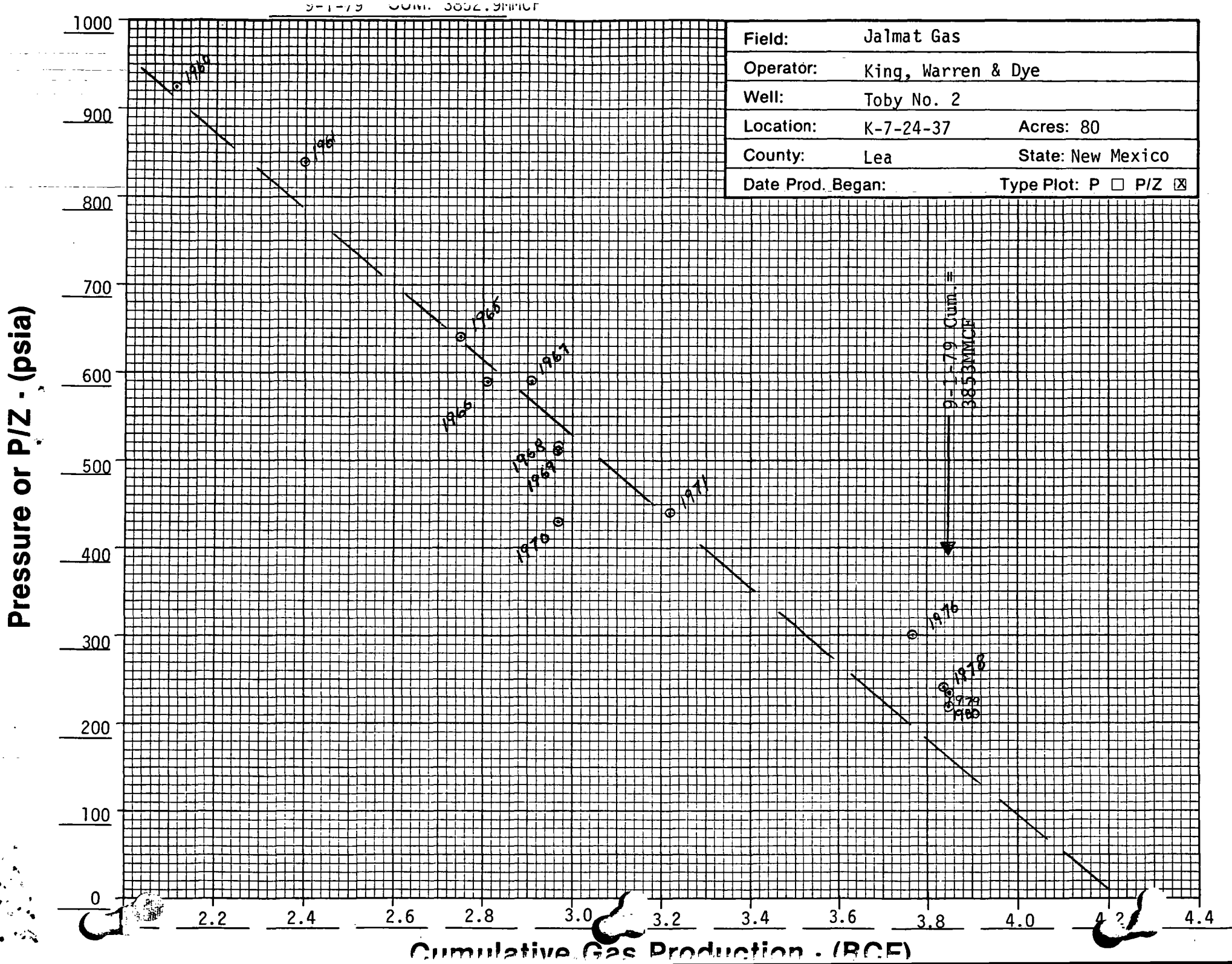
Jan.	206	July	141
Feb.	181	Aug.	102
March	193	Sept.	41
April	227	Oct.	86
May	197	Nov.	84
June	50	Dec.	87

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


Field: Jalmat Gas
Operator: King, Warren & Dye
Well: Toby No. 2
Location: K-7-24-37
County: Lea
State: New Mexico
Date Prod. Began:
Acres: 80
Gas Production - MCF/month
10000
1000
100
9-1-79 Cum. = 3853MCF
49.44%/yr. Decline Rate
DEC. MAR. JUN. SEP.
19 72
19 73
19 74
19 75
19 76
19 77
19 78
19 79
19 80
19 81
19 82
19 83
19 84
19 85

9-1-79 CUM. 3852.9MMCF

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.

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)		
1981	5	0	0	3501.1	N/A		

19 81 Detail Summary

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

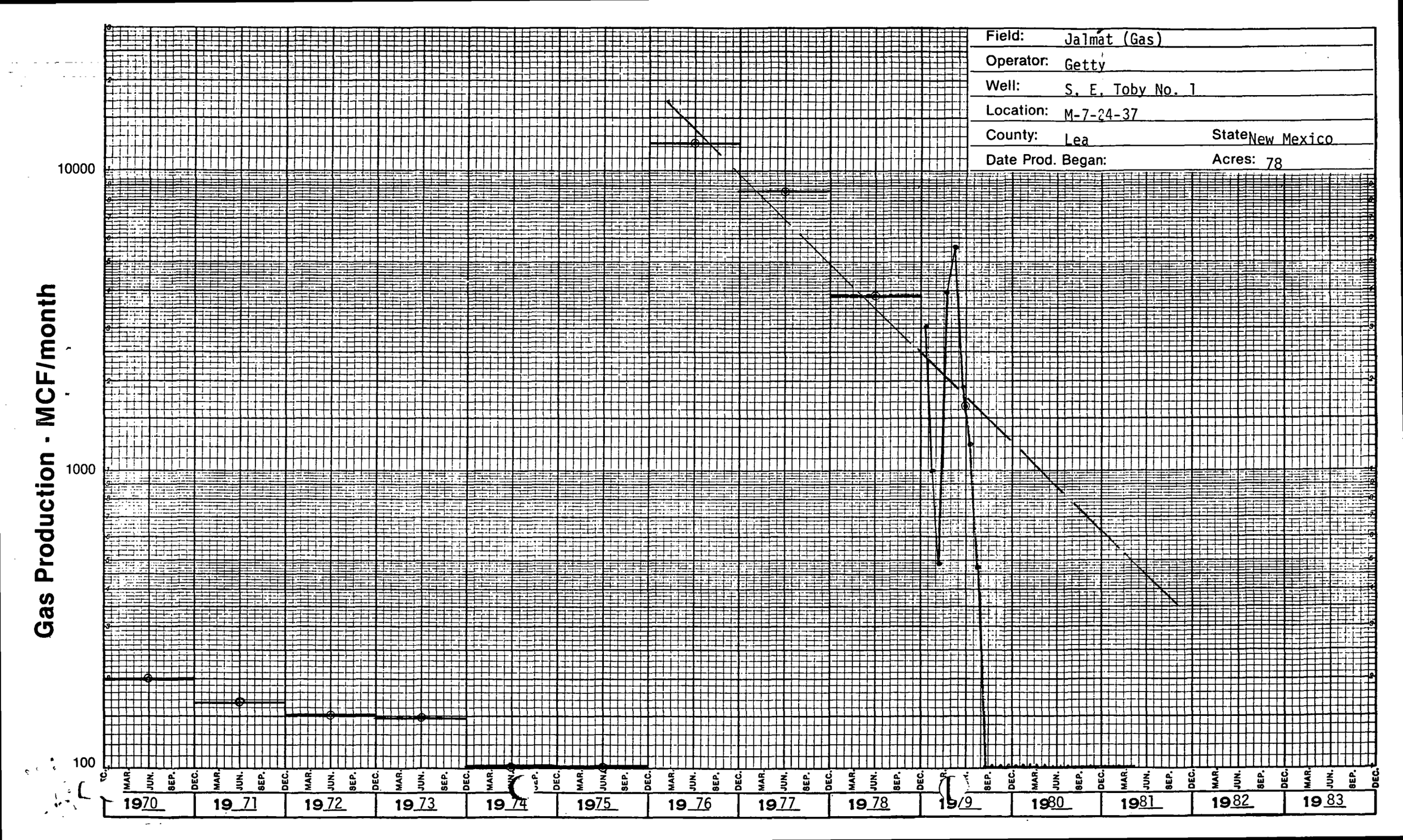
19 Detail Summary

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

Production (Y-T-D)

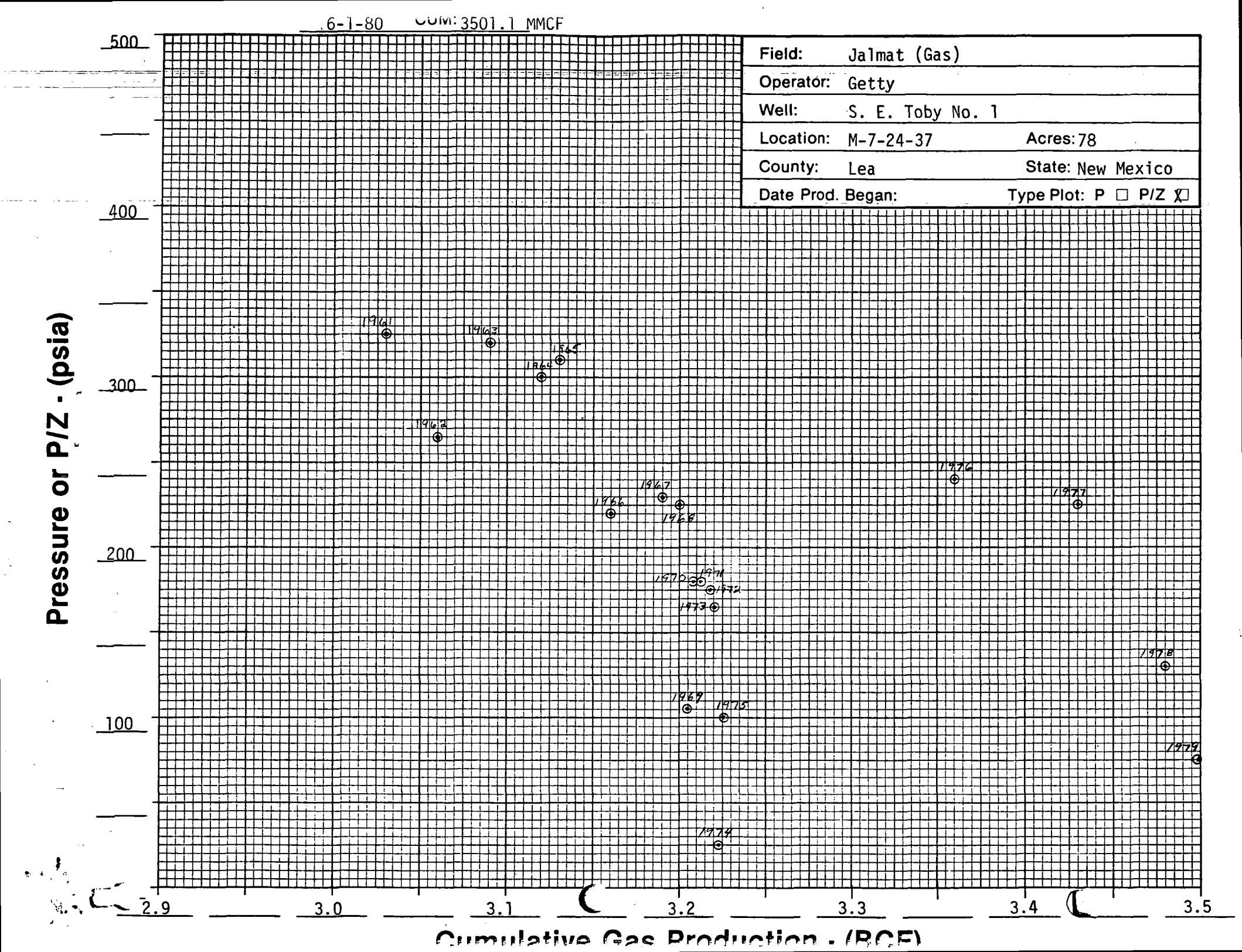
Avg. Rate (Y-T-D)

Days or Months (Y-T-D)


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
Gas Production - MCF/month
10000
1000
100
MAR.
JUN.
SEP.
DEC.
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983

6-1-80 CUM: 3501.1 MMCF

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

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

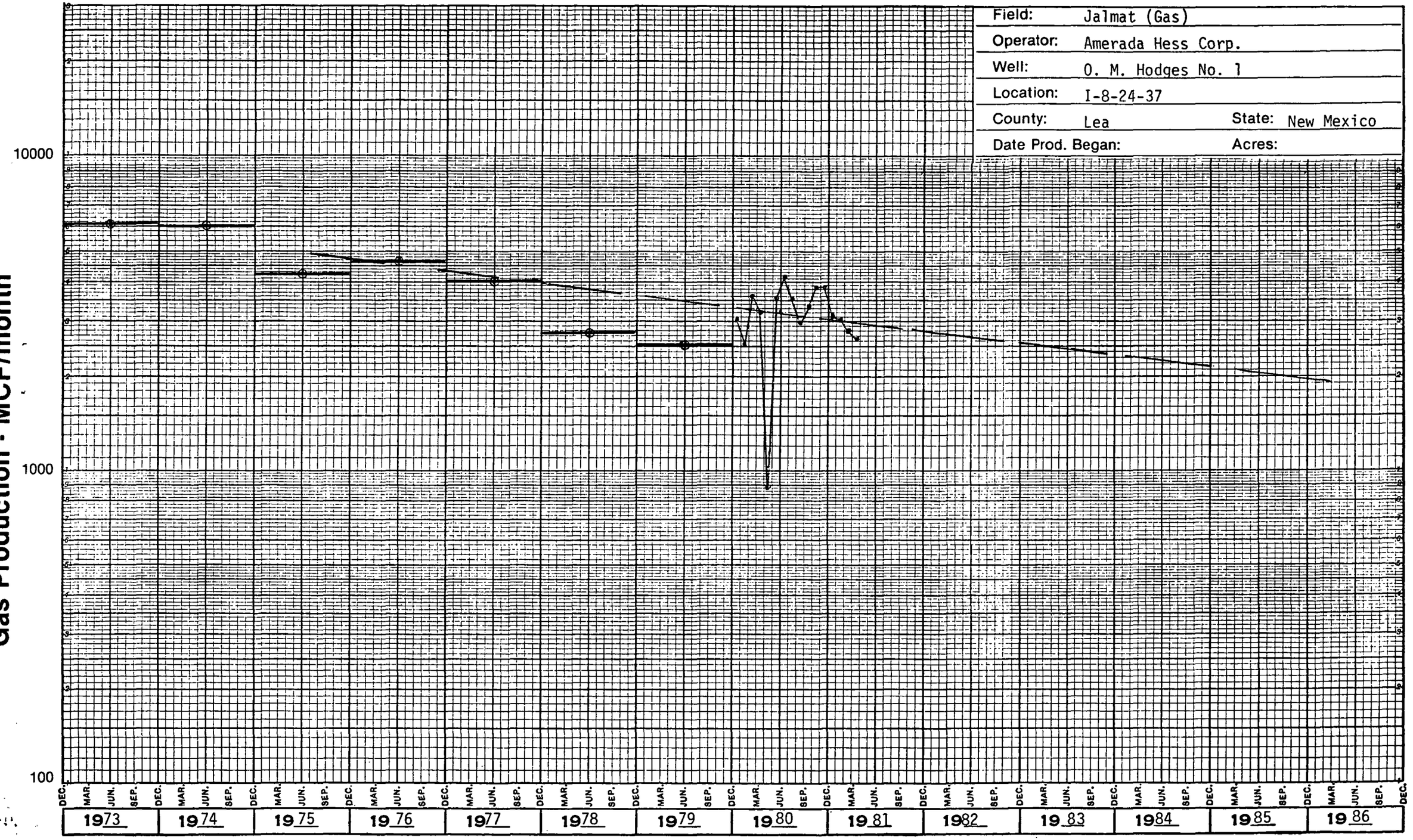
19 81 Detail Summary

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

Production (Y-T-D) 11652 MCF

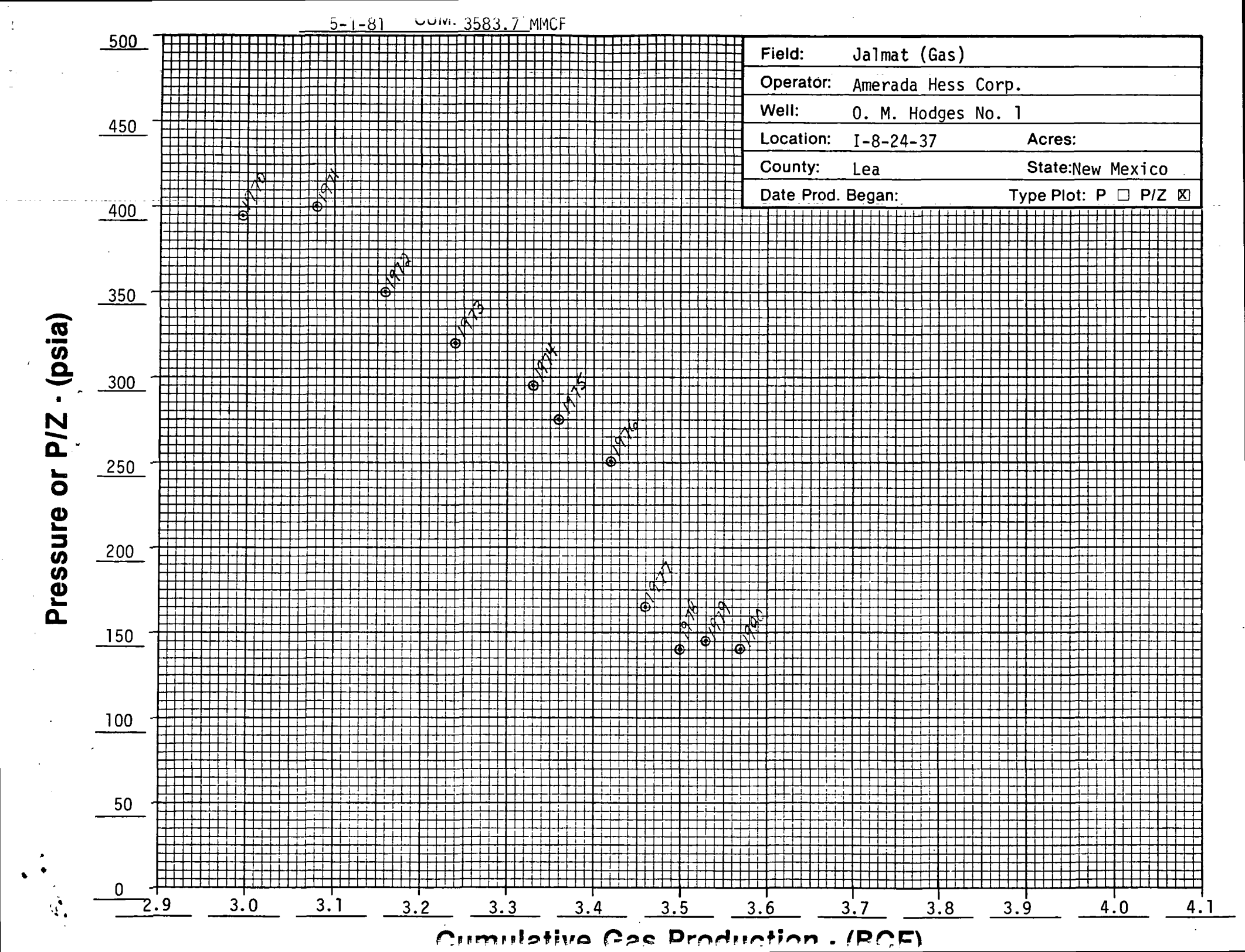
Days or Months (Y-T-D) 4 mos.

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


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:
Gas Production - MCF/month
10000
1000
100
DEC. MAR. JUN. SEP.
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986

5-1-81 CUM. 3583.7 MMCF

Field:	Jalmat (Gas)
Operator:	Amerada Hess Corp.
Well:	O. M. Hodges No. 1
Location:	I-8-24-37 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: 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:

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1970	8	91120	11390	2339.5	410.2	440	
1971	12	140973	11748	2480.5	369.2	390	
1972	12	217485	18124	2698.0	333.2	355	
1973	12	133786	11149	2831.8	305.2	320	
1974	12	223874	18656	3055.7	281.2	290	
1975	12	154252	12854	3209.9	254.2	265	
1976	9	141784	15754	3351.7	218.2	225	
1977	10	129255	12925	3480.9	192.2	195	
1978	12	135182	11265	3616.1	186.2	190	
1979	12	131764	10980	3747.9	162.2	165	
1980	11	84011	7637	3831.9	156.2	160	
1981	1	9	9	3831.9	N/A	N/A	

19 80 Detail Summary

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

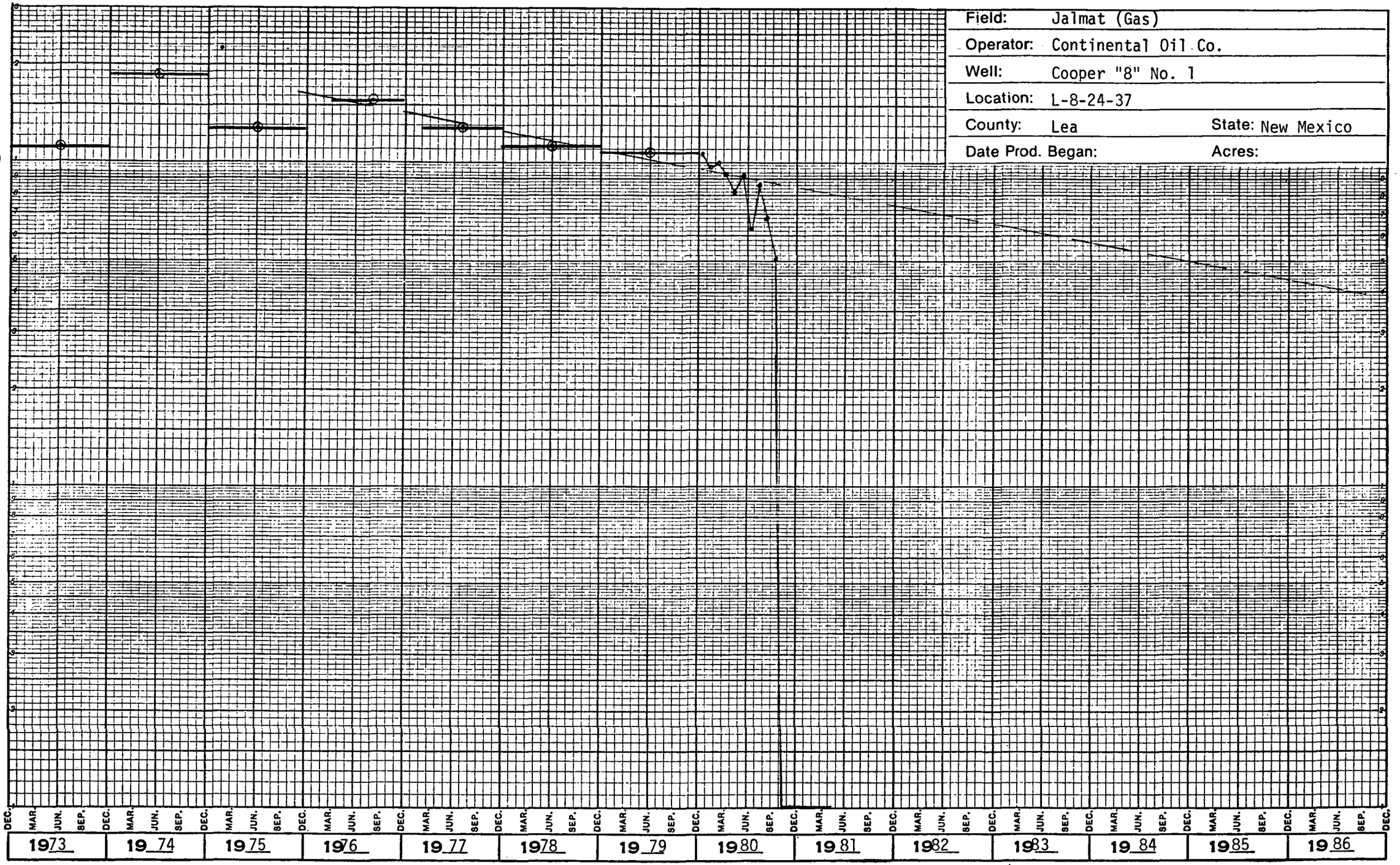
19 81 Detail Summary

Jan.	0	July	
Feb.	0	Aug.	
March	9	Sept.	
April	0	Oct.	
May	0	Nov.	
June		Dec.	

Production (Y-T-D) 9 MCF

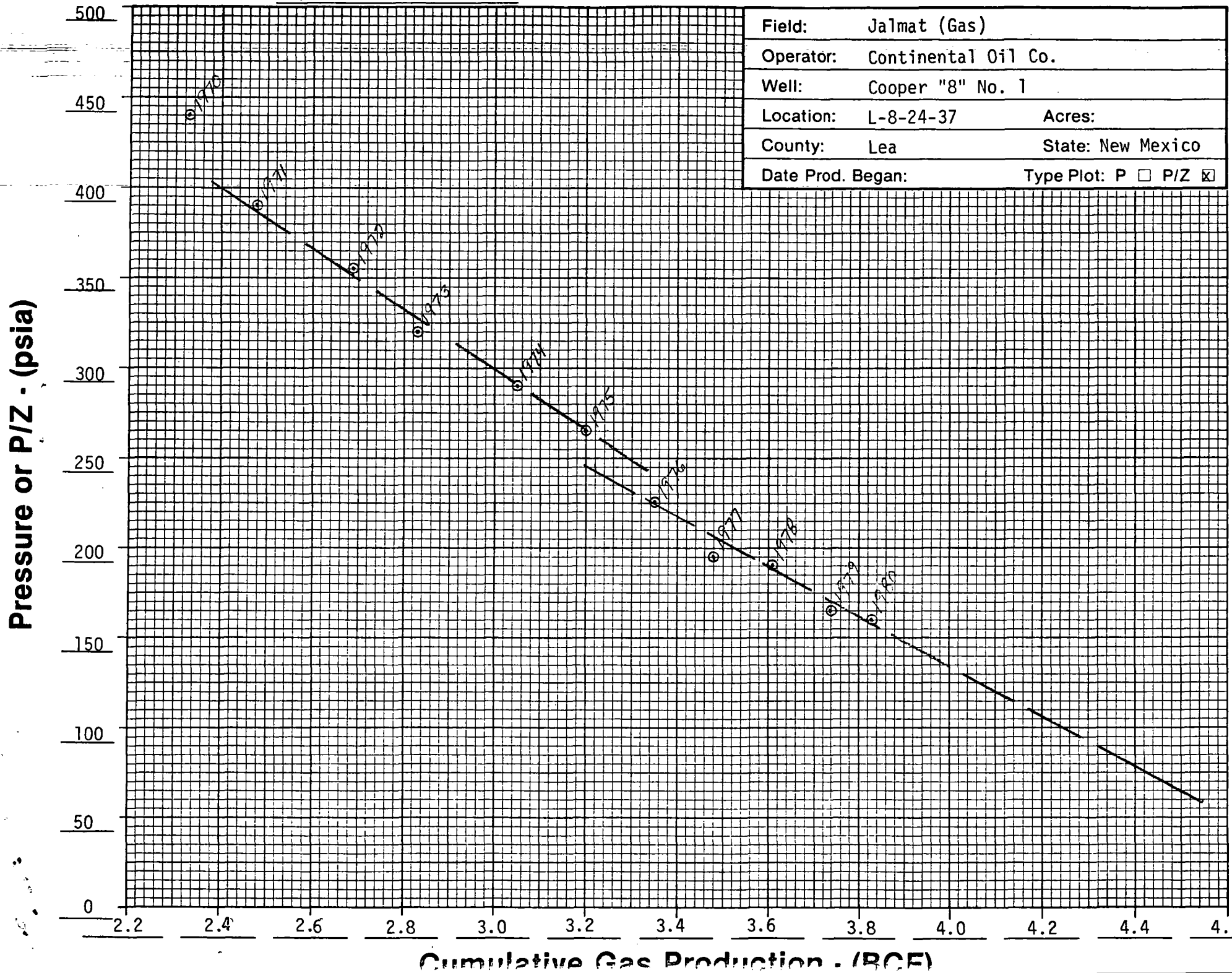
Avg. Rate (Y-T-D) 9 MCF/mo.

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


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:
Gas Production - MCF/month
10000
1000
100
DEC.
MAR.
JUN.
SEP.
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986

6-1-81 CUM: 3831.9 MCF

Field:	Jalmat (Gas)	
Operator:	Continental Oil Co.	
Well:	Cooper "8" No. 1	
Location:	L-8-24-37	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: 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:

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1970	12	27737	2311	727.2	393.6	425	
1971	12	57997	4833	785.2	358.4	375	
1972	12	35440	2953	820.6	336.9	355	
1973	12	50545	4212	871.2	295.9	310	
1974	12	133433	11119	1004.6	272.2	285	
1975	9	2081	231	1006.7	248.2	260	
1976	10	56162	5616	1062.9	210.2	220	
1977	12	57083	4757	1119.9	190.2	195	
1978	11	41580	3780	1161.5	180.2	185	
1979	12	5915	493	1219.4	163.2	165	
1980	10	10964	1096	1230.4	151.2	155	
1981	3	14698	4899	1245.1	N/A	N/A	

19 80 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

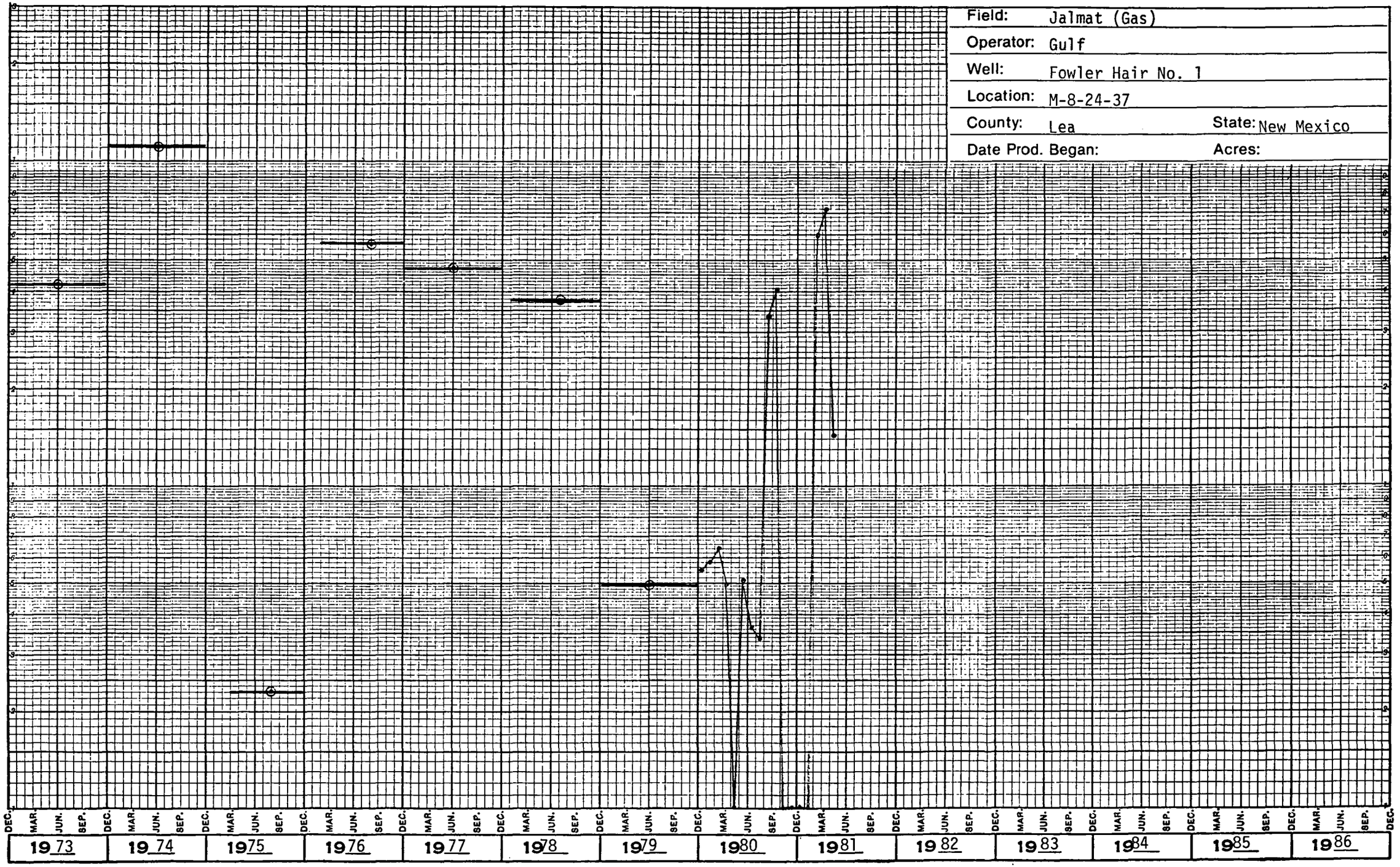
19 81 Detail Summary

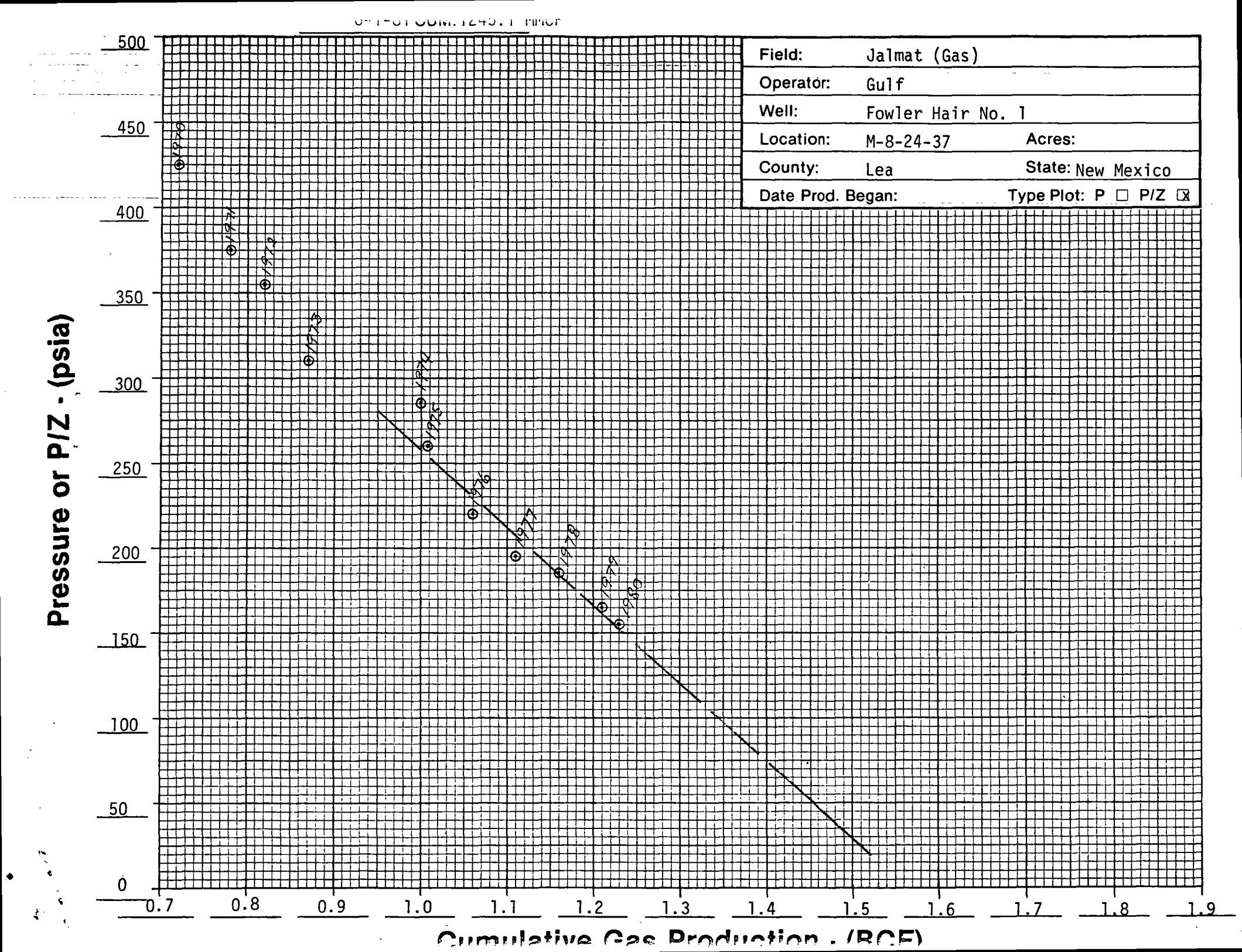
Jan.	0	July	
Feb.	0	Aug.	
March	5999	Sept.	
April	7279	Oct.	
May	1420	Nov.	
June		Dec.	

Production (Y-T-D) 14698 MCF

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

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


Field: Jalmat (Gas)
Operator: Gulf
Well: Fowler Hair No. 1
Location: M-8-24-37
County: Lea
State: New Mexico
Date Prod. Began:
Acres:
Gas Production - MCF/month
10000
1000
100
DEC. MAR. JUN. SEP.
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986


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 ☒
Pressure or P/Z - (psia)
500
450
400
350
300
250
200
150
100
50
0
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
Cumulative Gas Production - (BCF)

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	

1980 Detail Summary

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

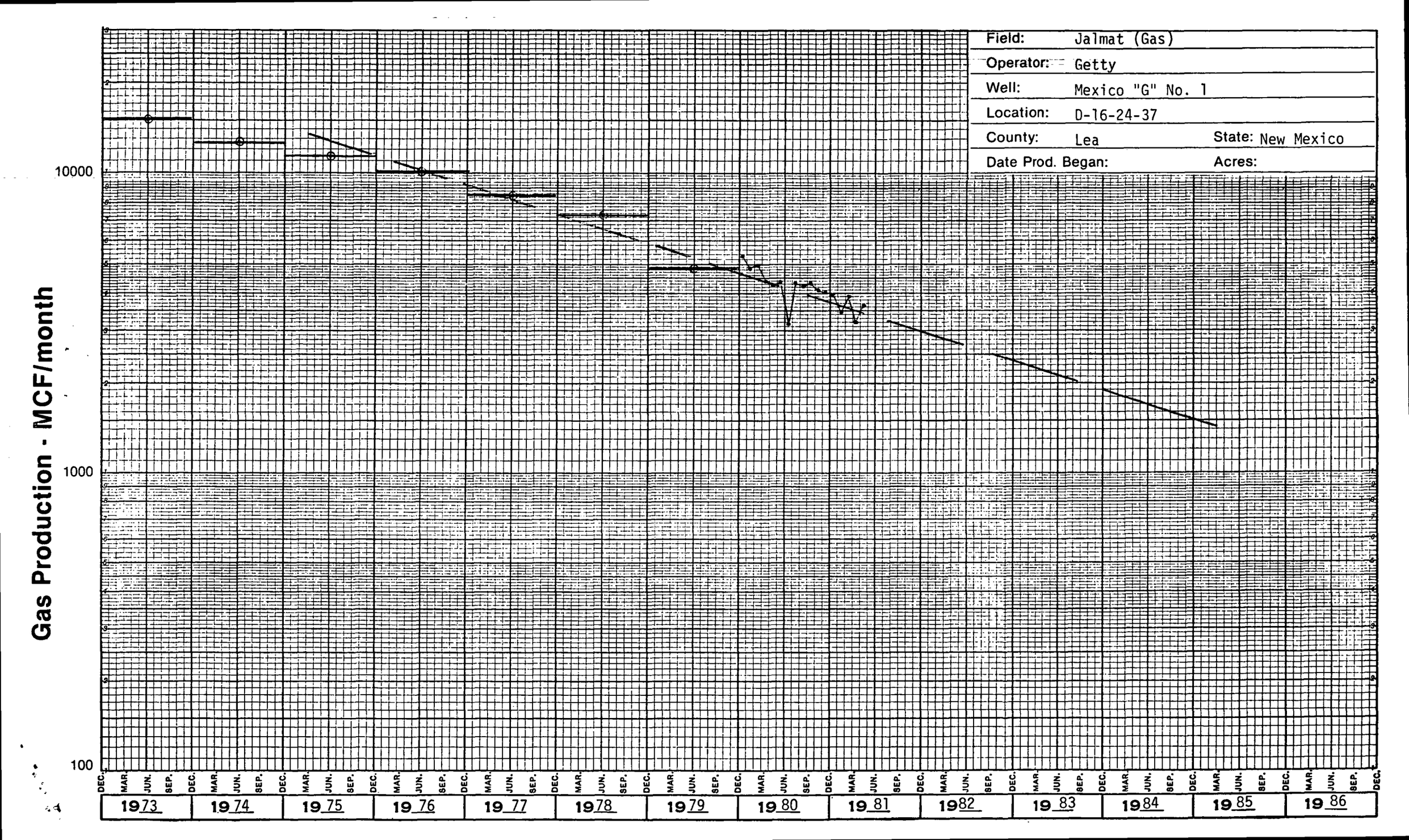
1981 Detail Summary

Jan.	3958	July	
Feb.	3472	Aug.	
March	3897	Sept.	
April	3206	Oct.	
May	3650	Nov.	
June		Dec.	

Production (Y-T-D) 18183 MCF

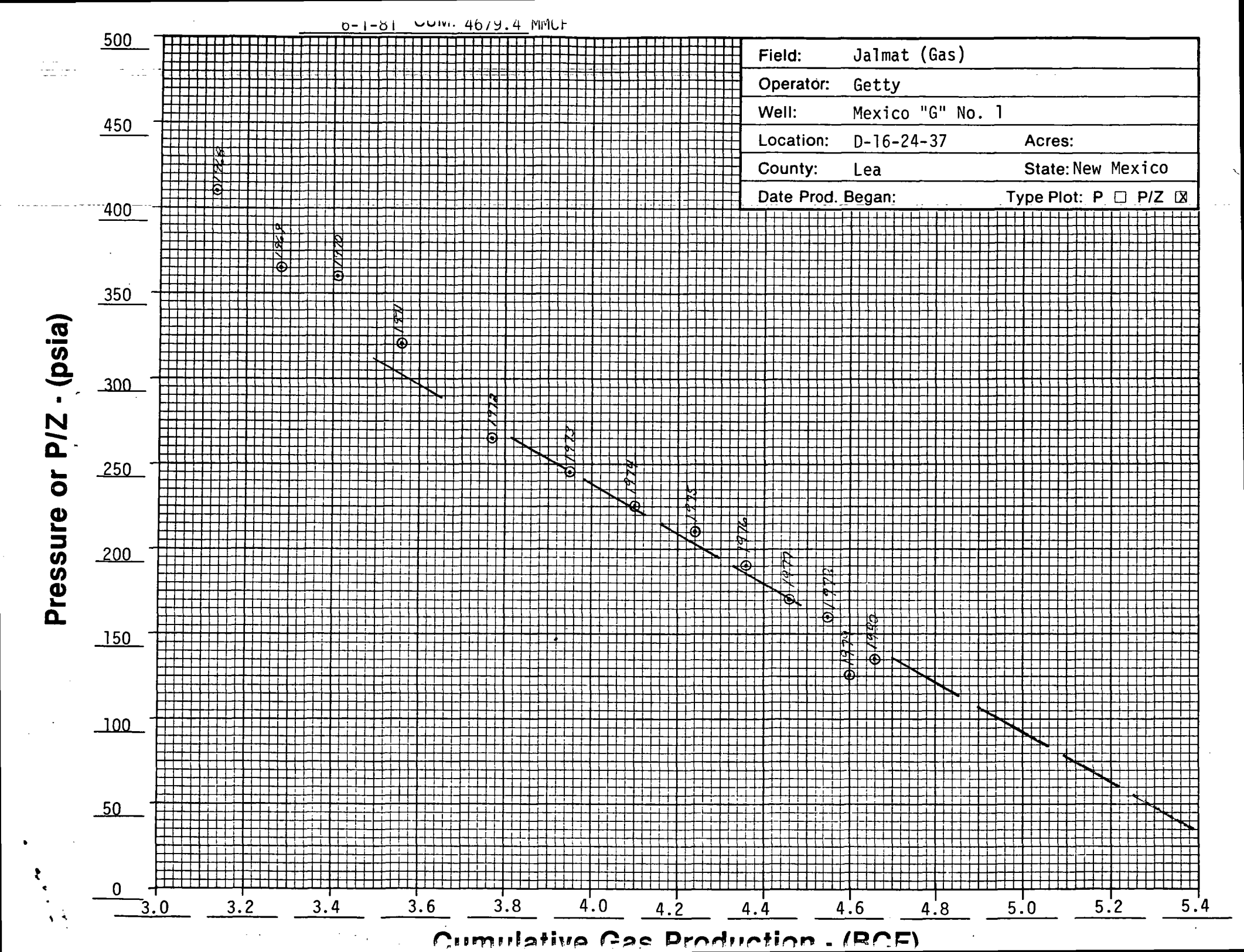
Days or Months (Y-T-D) 5 mos.

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


Field: Jalmat (Gas)
Operator: Getty
Well: Mexico "G" No. 1
Location: D-16-24-37
County: Lea
State: New Mexico
Date Prod. Began:
Acres:
Gas Production - MCF/month
10000
1000
100
DEC. MAR. JUN. SEP.
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986

6-1-81 CUM. 4679.4 MMCF

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 ☒	



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	

1976 Detail Summary

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

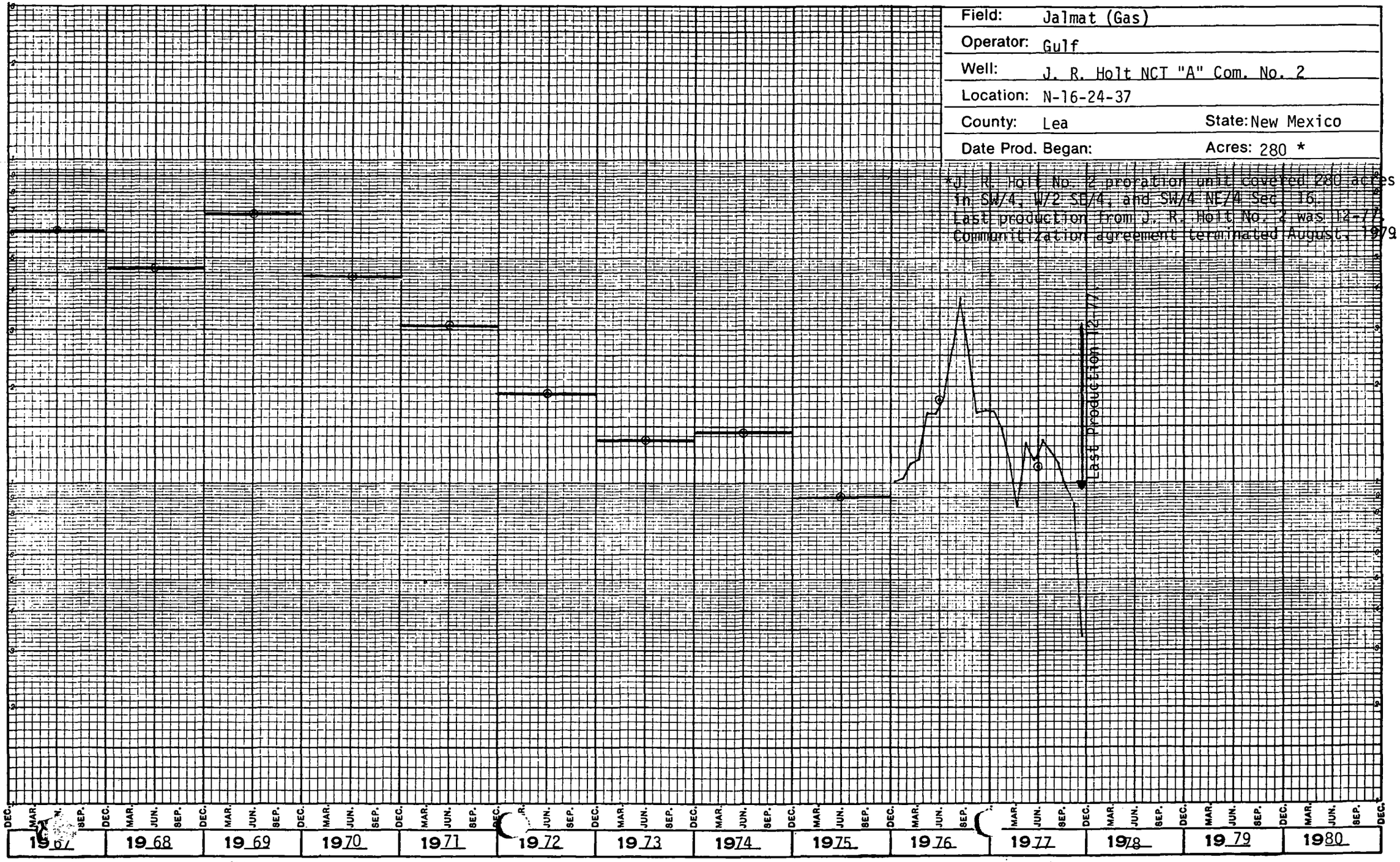
1977 Detail Summary

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

Production (Y-T-D) 13465 MCF

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

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


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 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.
Communitization agreement terminated August, 1979
Last Production 12-77
Gas Production - MCF/month
10000
1000
100
DEC. MAR. JUN. SEP.
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980

GAS PRODUCTION HISTORY

Date 8-12-81 Page 1 of 1

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:

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1973	12	82912	6909	1731.8	244.2	250	
1974	12	63183	5265	1795.0	231.2	240	
1975	12	49276	4106	1844.3	207.2	215	
1976	12	36507	3042	1880.8	198.2	205	
1977	12	24137	2011	1904.9	178.2	185	
1978	12	15589	1299	1920.5	132.2	135	
1979	12	8221	685	1928.8	139.2	140	
1980	12	5426	452	1934.2	132.2	135	
1981	5	1204	241	1935.4	N/A	N/A	

19 80 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

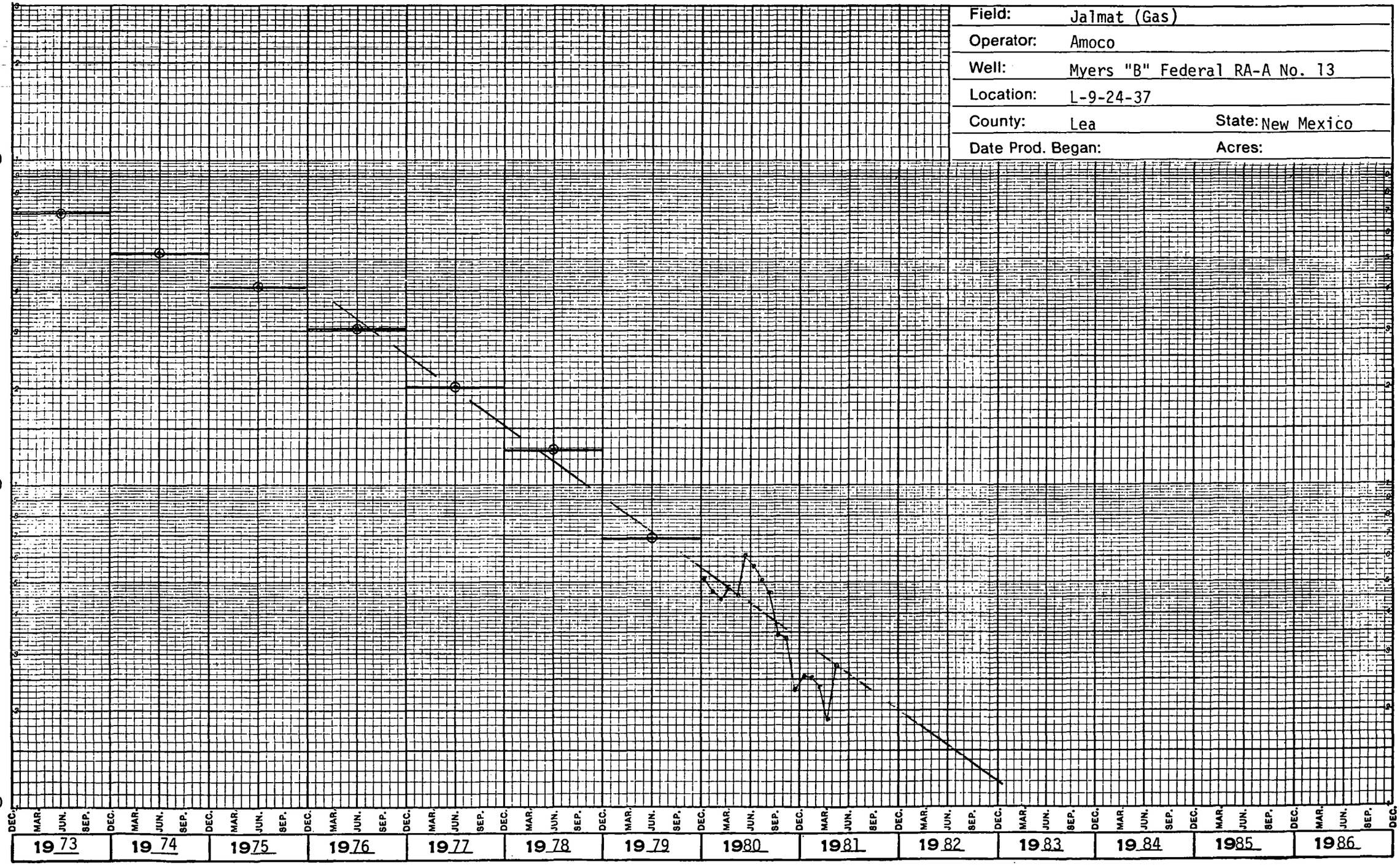
19 81 Detail Summary

Jan.	251	July	
Feb.	251	Aug.	
March	237	Sept.	
April	188	Oct.	
May	277	Nov.	
June		Dec.	

Production (Y-T-D) 1204 MCF

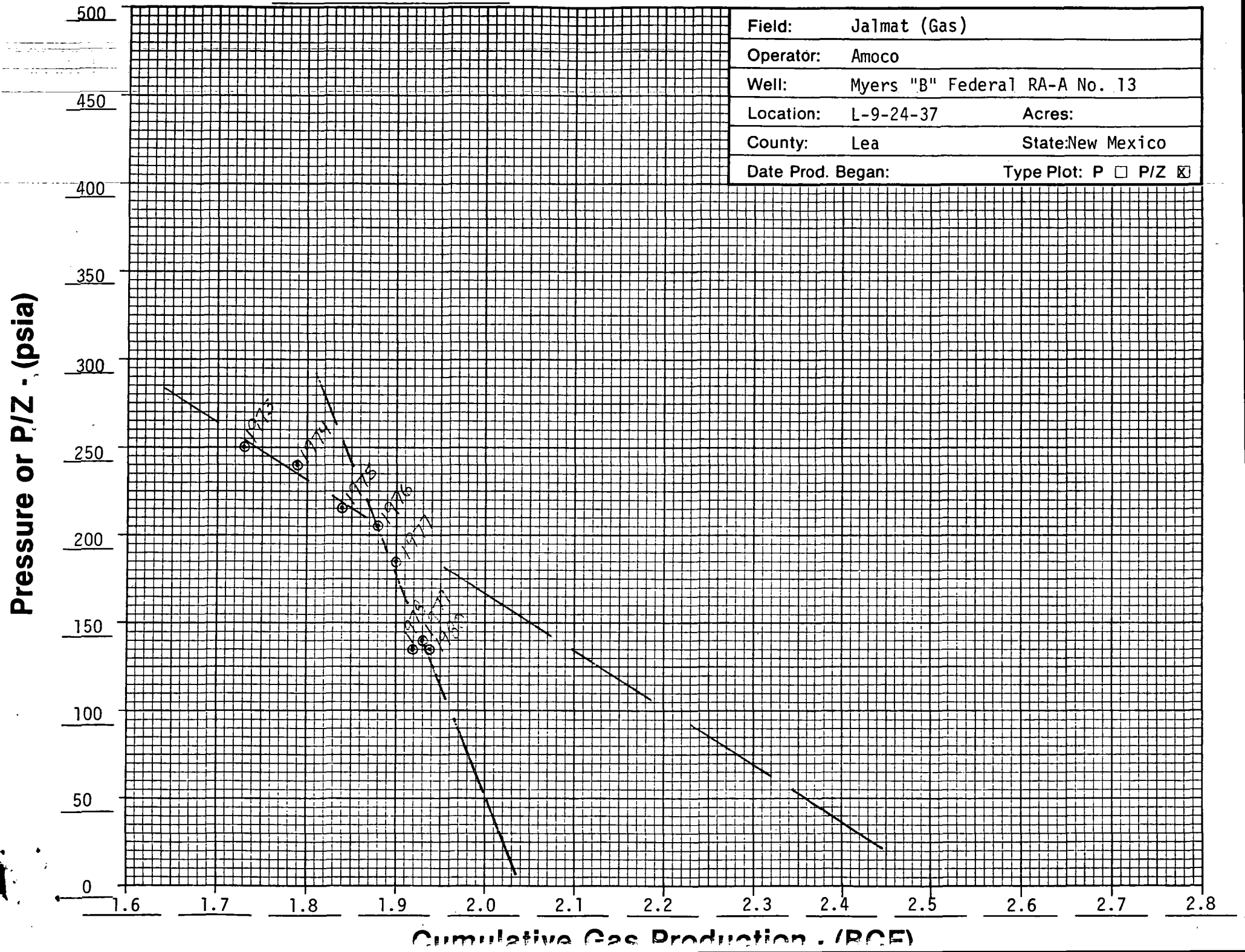
Days or Months (Y-T-D) 5 mos.

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


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:
Gas Production - MCF/month
10000
1000
100
DEC. MAR. JUN. SEP.
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986

6-1-81 COM. 1935.4 MMCF

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

19 81 Detail Summary

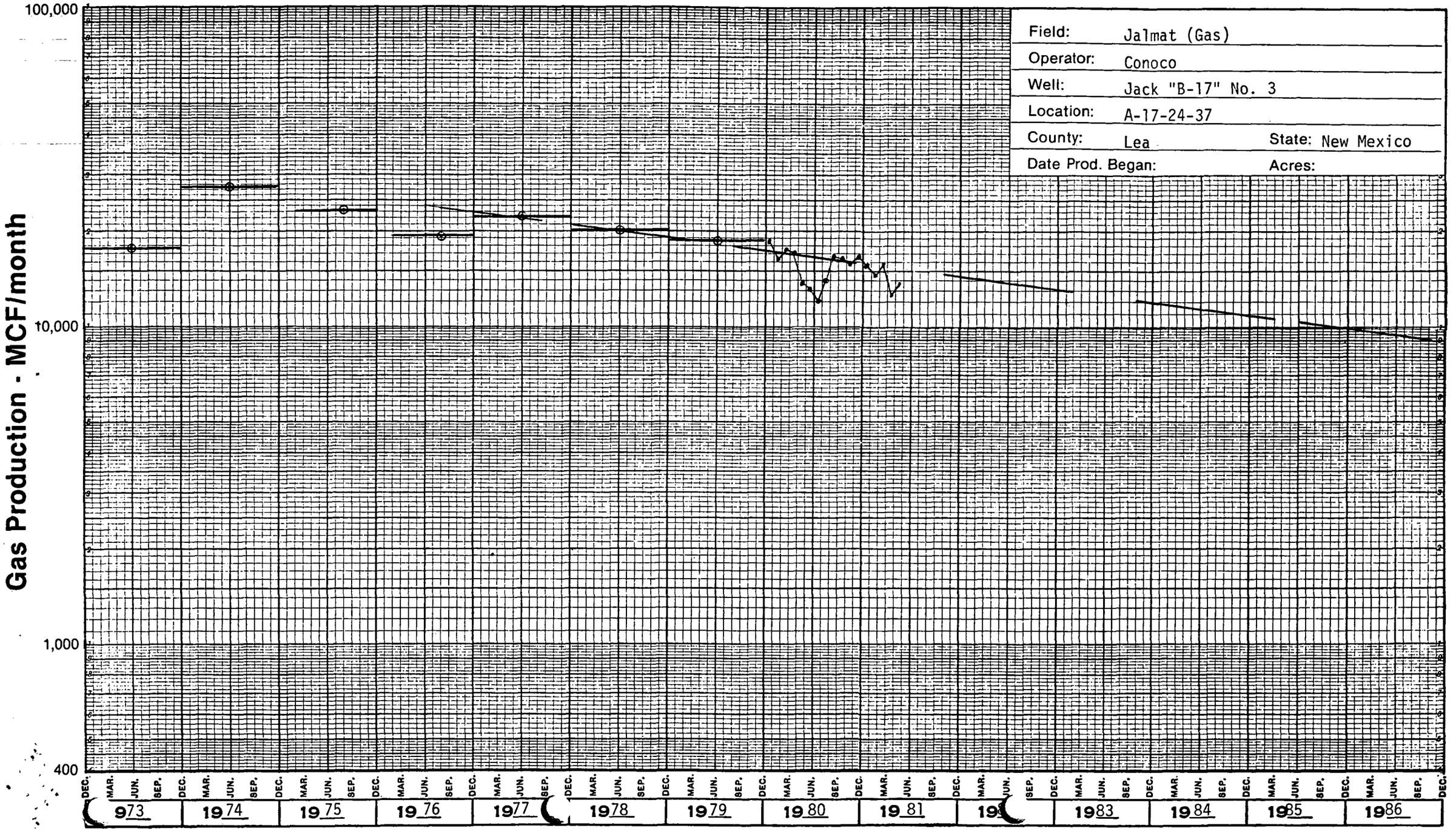
Jan.	15864	July	
Feb.	14410	Aug.	
March	15929	Sept.	
April	12633	Oct.	
May	13874	Nov.	
June		Dec.	

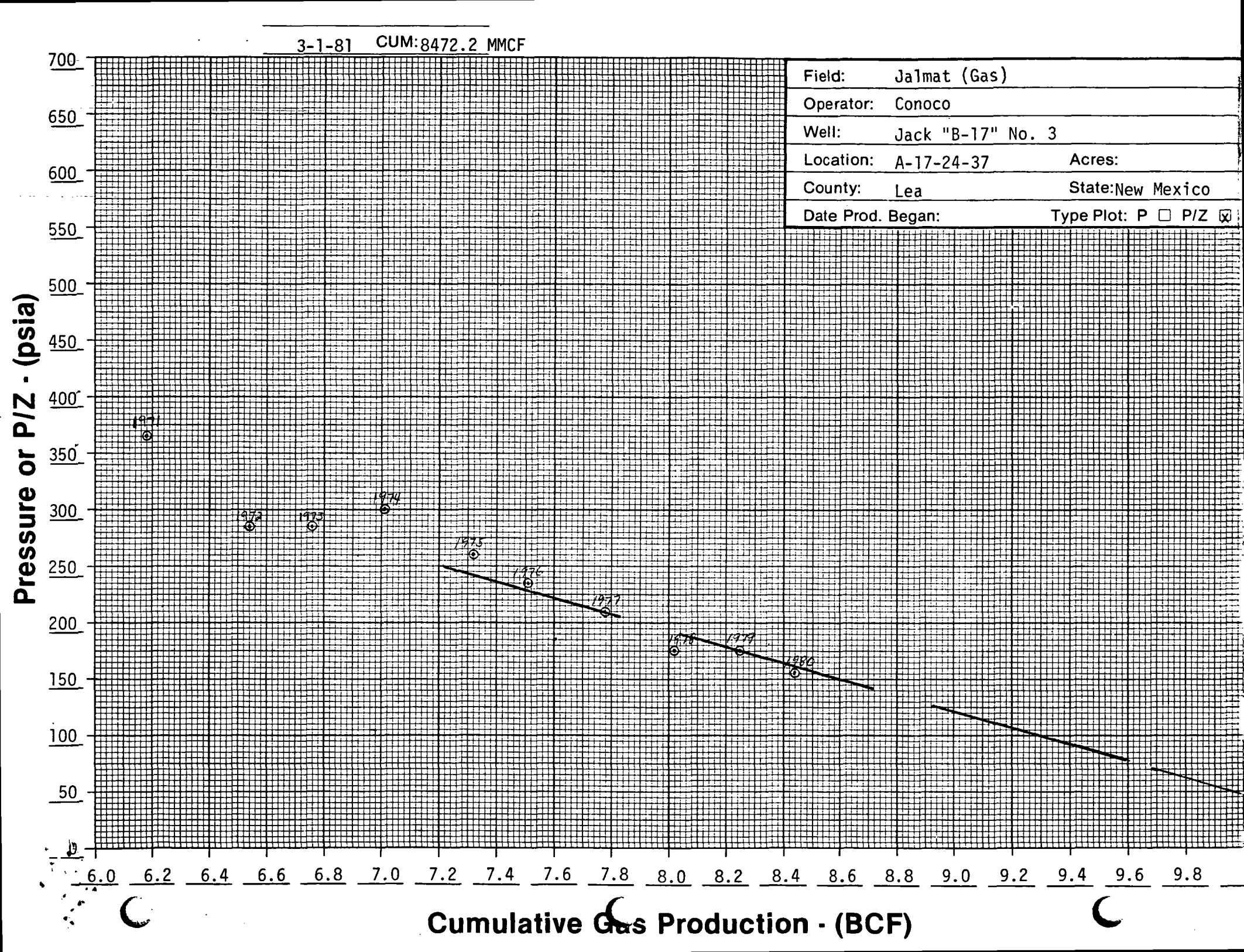
Production (Y-T-D) 30274 MCF

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

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

3-1-81 Cum: 8472.2 MMCF




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)
700
650
600
550
500
450
400
350
300
250
200
150
100
50
0
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
6.0
6.2
6.4
6.6
6.8
7.0
7.2
7.4
7.6
7.8
8.0
8.2
8.4
8.6
8.8
9.0
9.2
9.4
9.6
9.8
Cumulative Gas Production - (BCF)

GAS PRODUCTION HISTORY

Date 5-15-81 Page 1 of 1

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.

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1974	7	209221	29889	209.2	370.2	395	
1975	12	269753	22479	479.0	197.2	205	
1976	10	145271	14527	624.2	181.2	185	
1977	12	130209	10851	754.5	153.2	155	
1978	12	48563	4047	803.0	155.2	160	
1979	12	16986	1415	820.0	155.2	160	
1980	12	4961	413	825.0	217.2	225	
1981	5	1653	331	826.7	N/A	N/A	

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

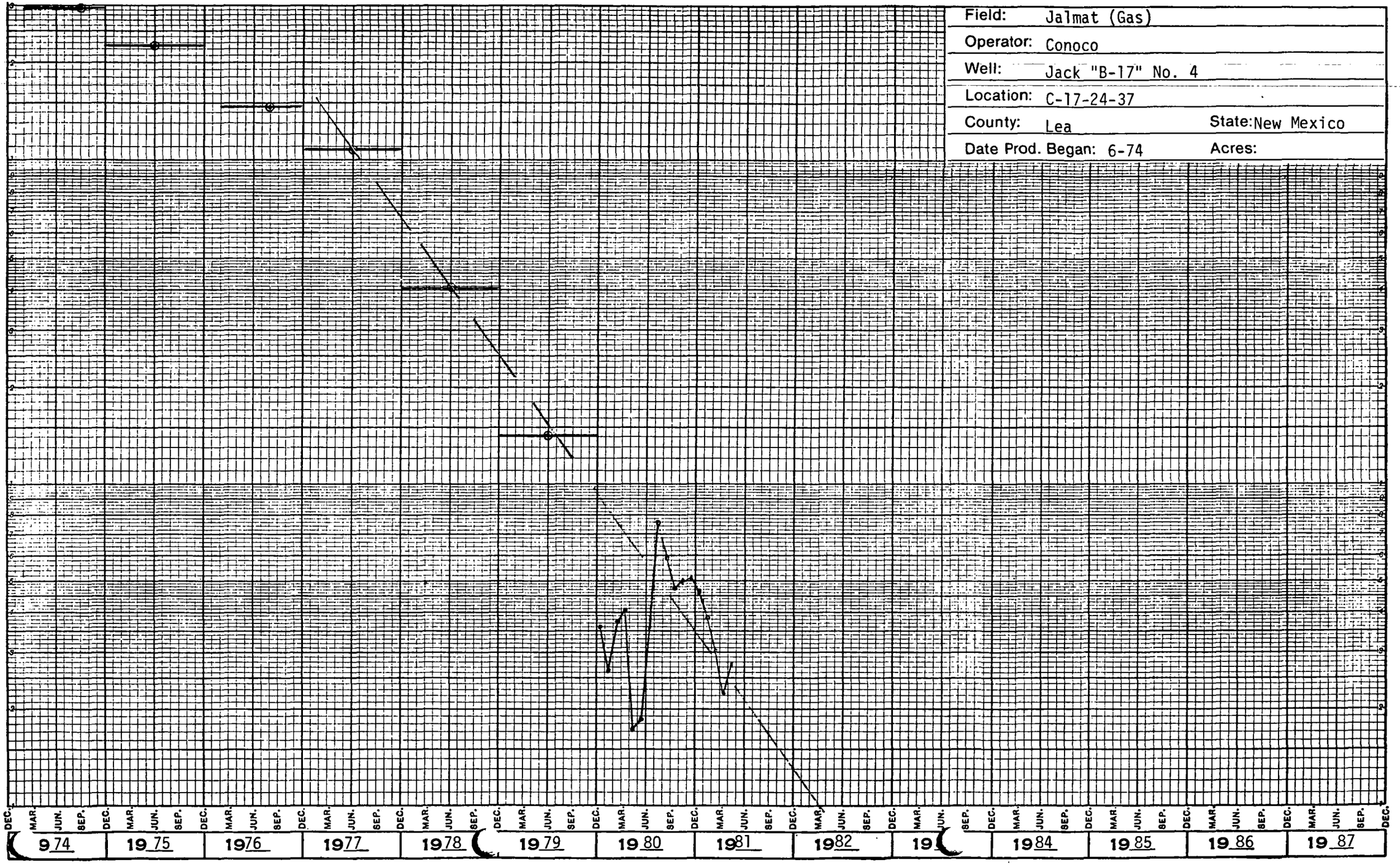
Production (Y-T-D) 852 MCF

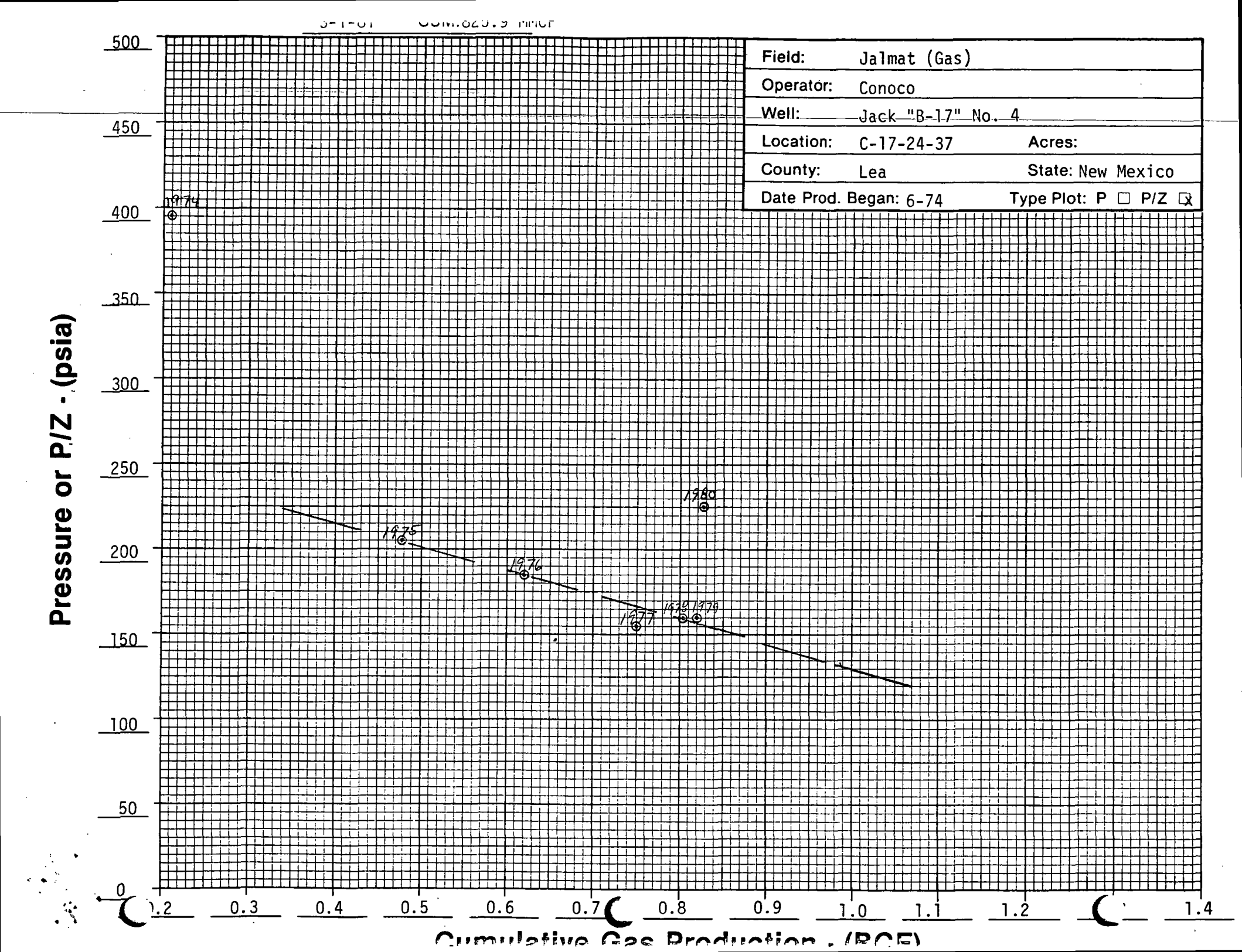
Days or Months (Y-T-D) 2 mos.

19 81 Detail Summary

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

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


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:
Gas Production - MCF/month
10000
1000
100
DEC. MAR. JUN. SEP.
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987


Field: Jalmat (Gas)
Operator: Conoco
Well: Jack "B-17" No. 4
Location: C-17-24-37 Acres:
County: Lea State: New Mexico
Date Prod. Began: 6-74 Type Plot: P ☐ P/Z ☒
Pressure or P/Z - (psia)
500
450
400
350
300
250
200
150
100
50
0
1974
1975
1976
1977
1978
1979
1980
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.4
Cumulative Gas Production - (BCF)

GAS PRODUCTION HISTORY

Date 7-14-80

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

19 80 Detail Summary

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

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: 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)		
1981	5	10850	2170	4580.3	N/A		

1981 Detail Summary

Jan.	1761	July	
Feb.	1506	Aug.	
March	2742	Sept.	
April	2410	Oct.	
May	2431	Nov.	
June		Dec.	

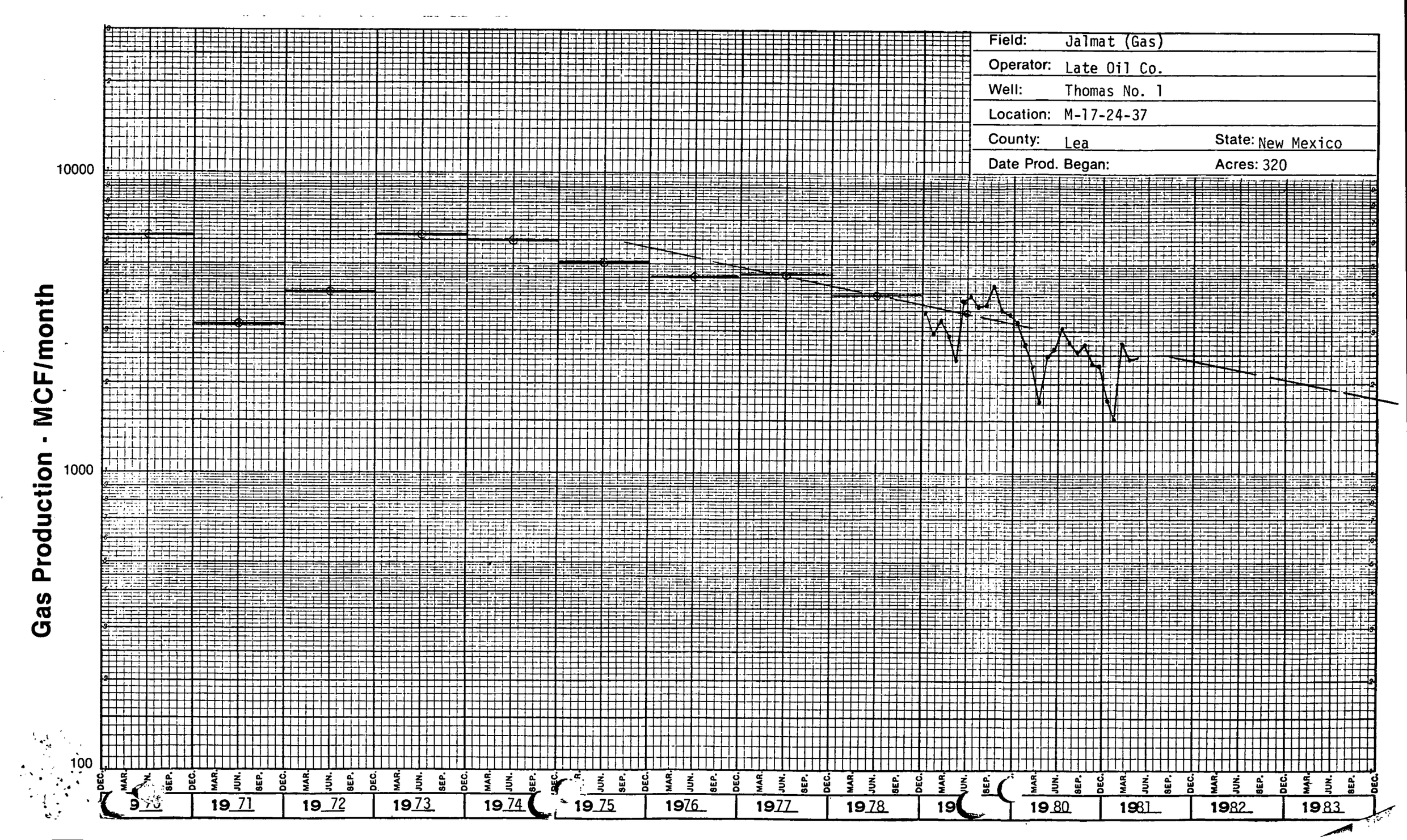
Production (Y-T-D) 5009 MCF

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

19____ Detail Summary

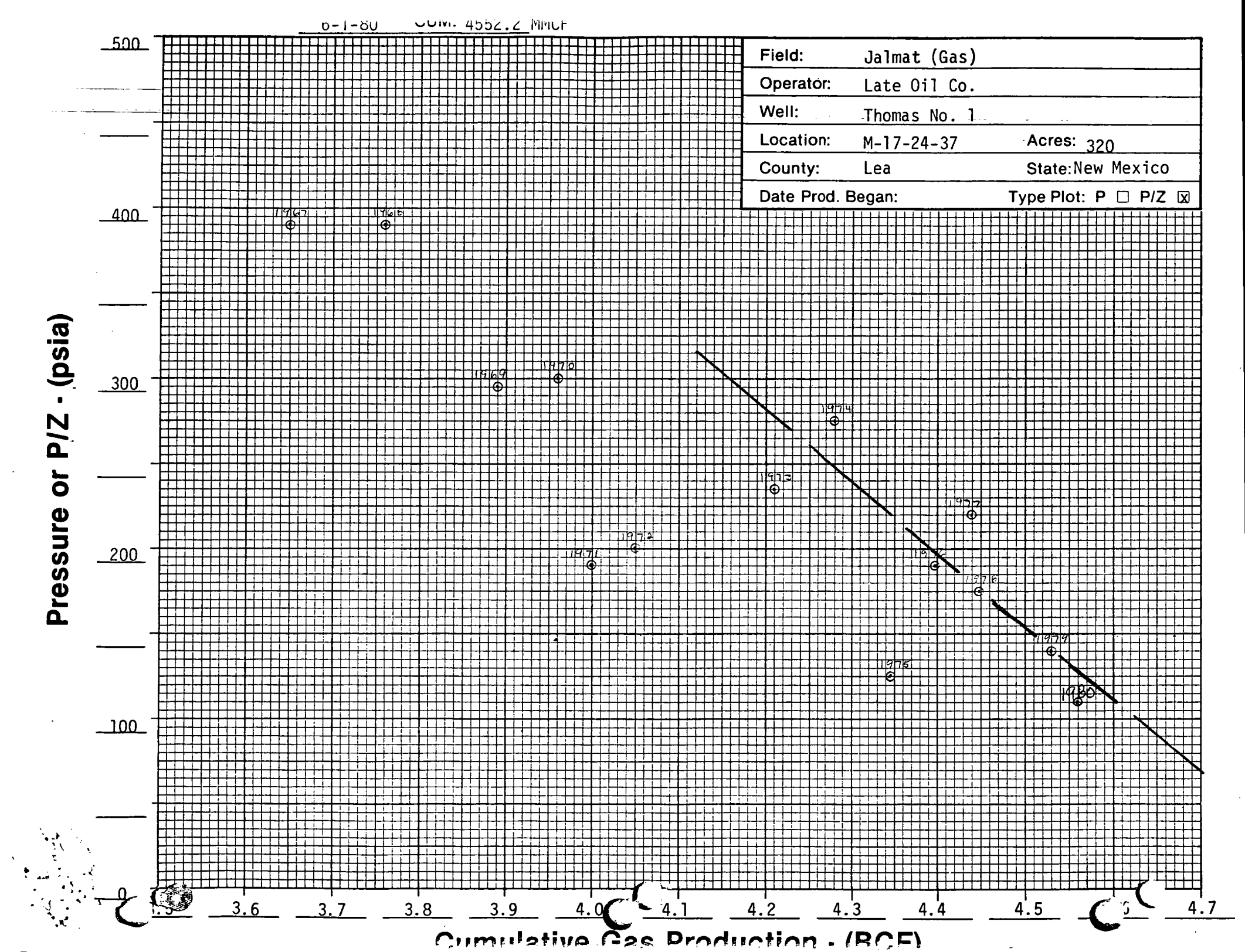
Jan.		July	
Feb.		Aug.	
March		Sept.	
April		Oct.	
May		Nov.	
June		Dec.	

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


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
Gas Production - MCF/month
10000
1000
100
DEC.
MAR.
JUN.
SEP.
19 71
19 72
19 73
19 74
19 75
1976
1977
1978
19 80
1981
1982
1983

6-1-80 COM: 4552.2 MMCF

Field:	Jalmat (Gas)		
Operator:	Late Oil Co.		
Well:	Thomas No. 1		
Location:	M-17-24-37	Acres:	320
County:	Lea	State:	New Mexico
Date Prod. Began:		Type Plot: P ☐ P/Z ☒	



Cumulative Gas Production - (BCF)

GAS PRODUCTION HISTORY

Date 8-19-80

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.

GAS PRODUCTION HISTORY

Date 8-10-81

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	
1981	5	9431	1886	2853.3	N/A	N/A	

19 81 Detail Summary

Jan.	2168	July	
Feb.	2409	Aug.	
March	2796	Sept.	
April	584	Oct.	
May	1474	Nov.	
June		Dec.	

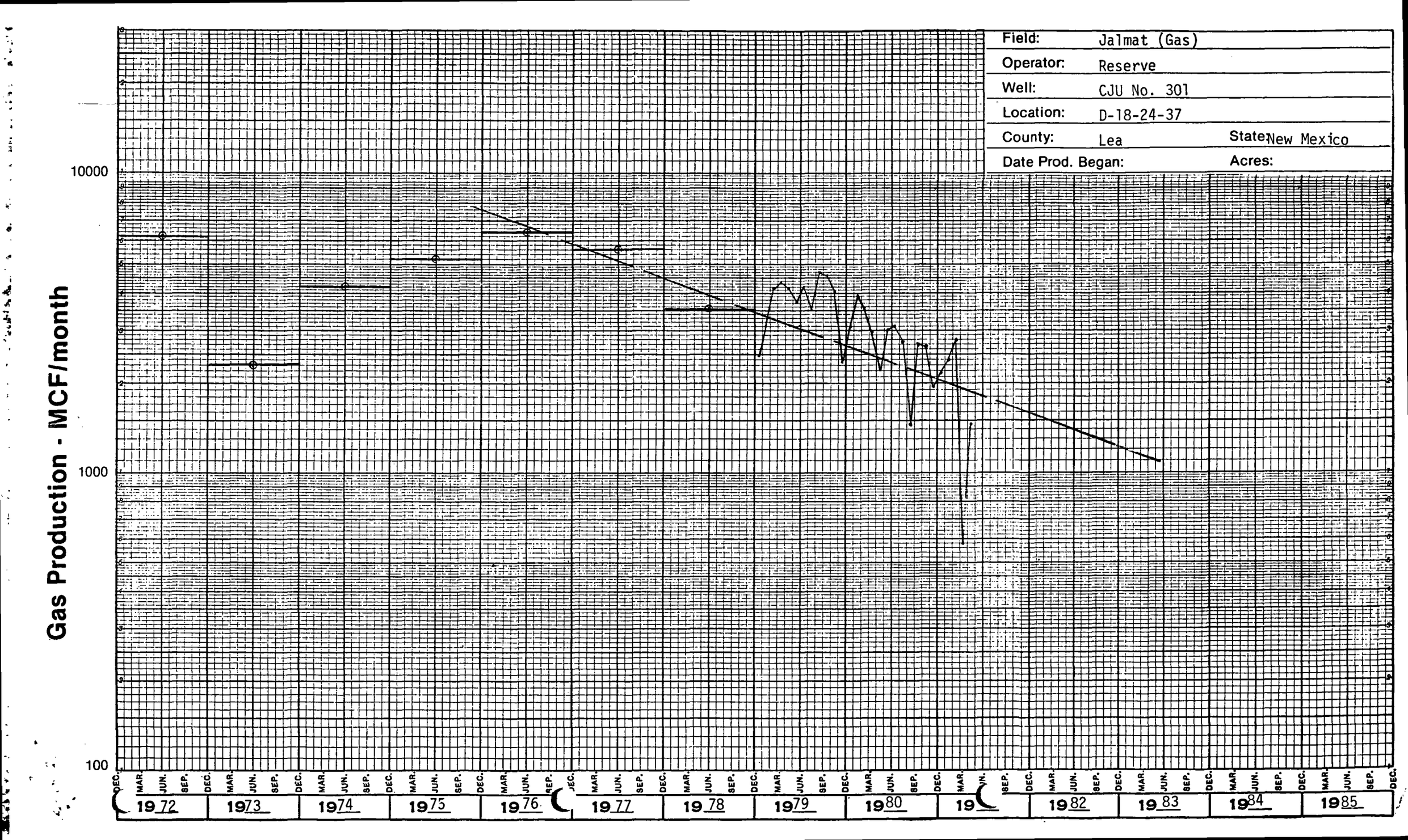
19 Detail Summary

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

Production (Y-T-D) 9431 MCF

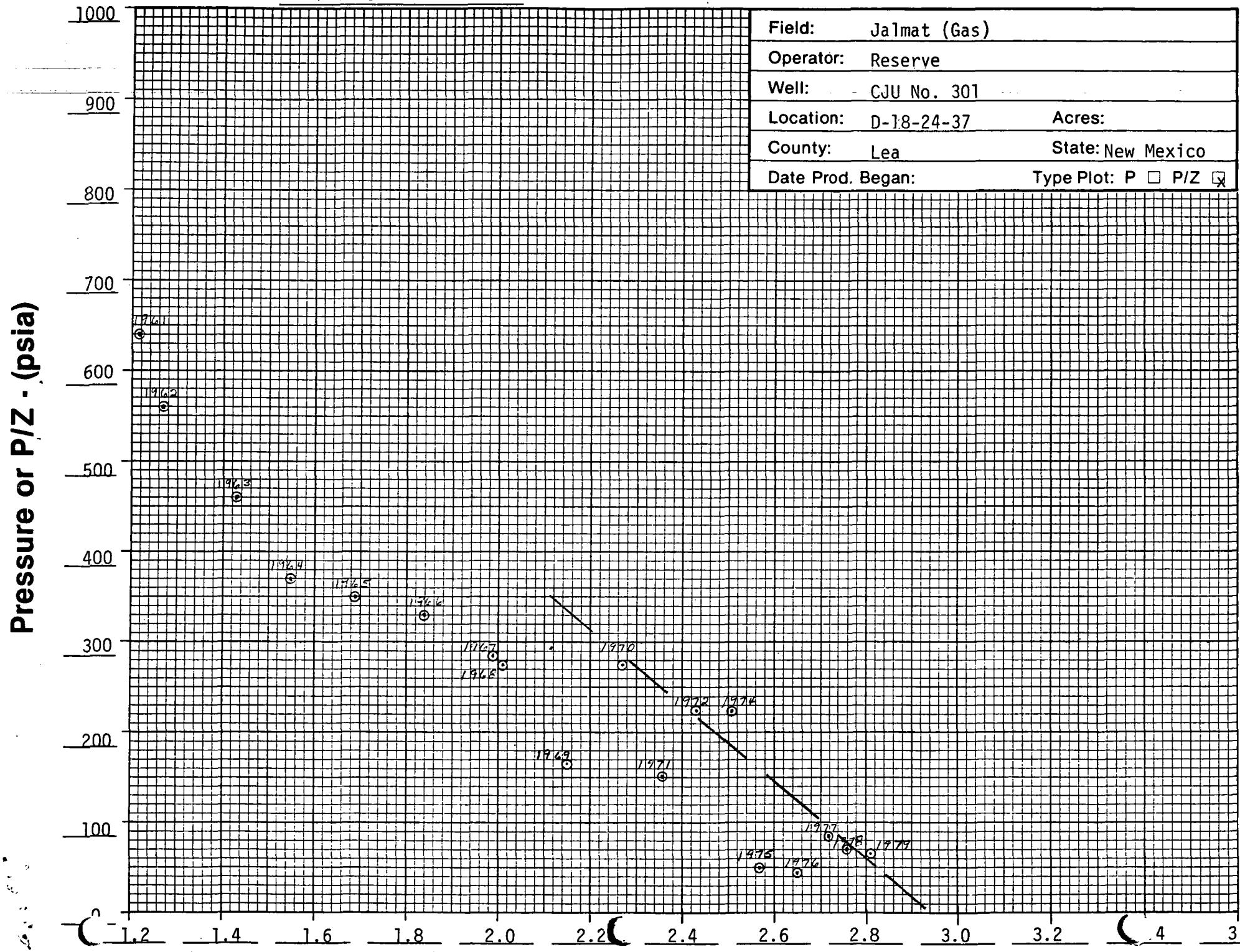
Days or Months (Y-T-D) 5 mos.

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


Field: Jalmat (Gas)
Operator: Reserve
Well: CJU No. 301
Location: D-18-24-37
County: Lea
State: New Mexico
Date Prod. Began:
Acres:
Gas Production - MCF/month
10000
1000
100
DEC. MAR. JUN. SEP. DEC.
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985

7-1-80 CUM.2829.3 MMCF

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

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.	

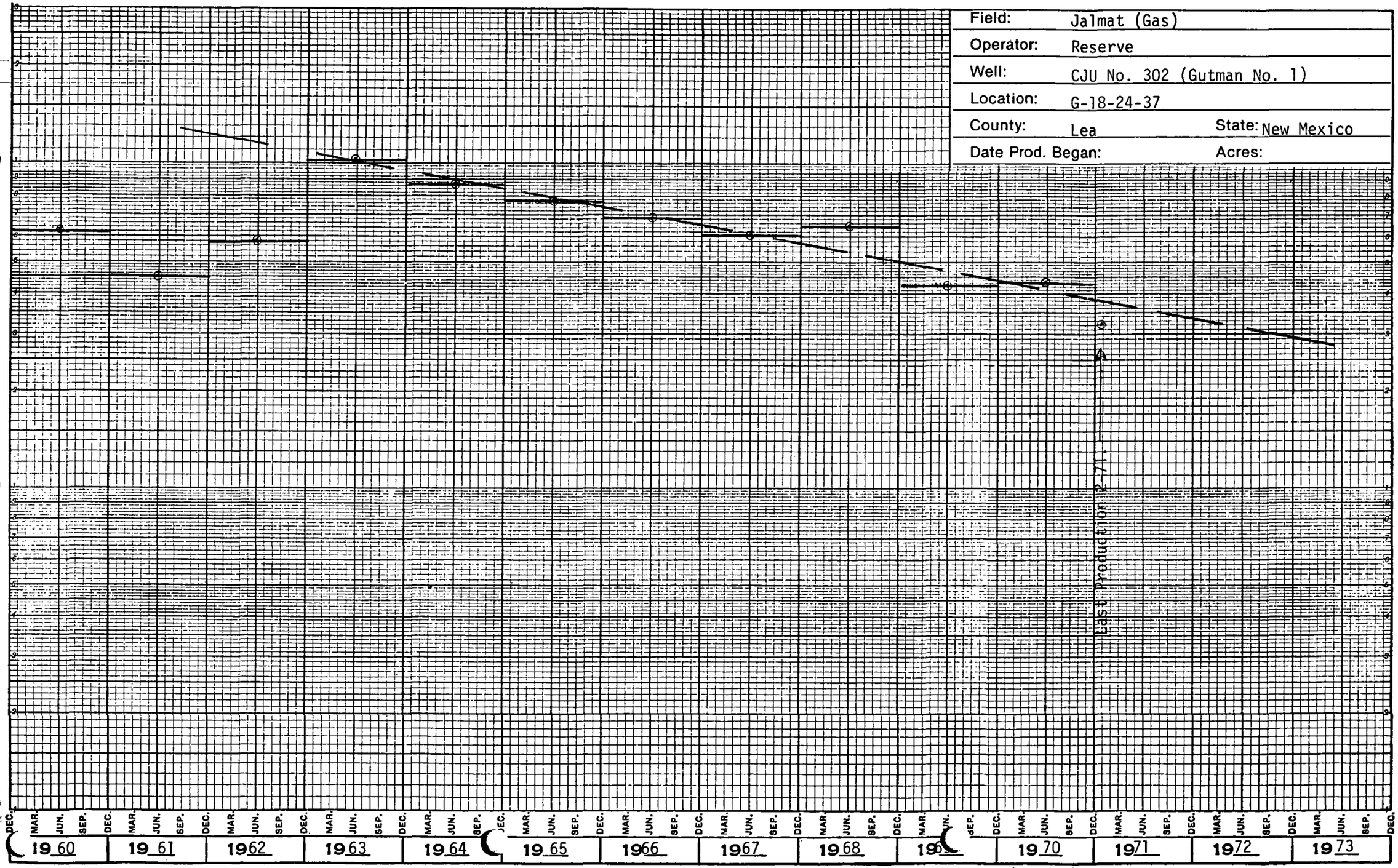
19____ Detail Summary

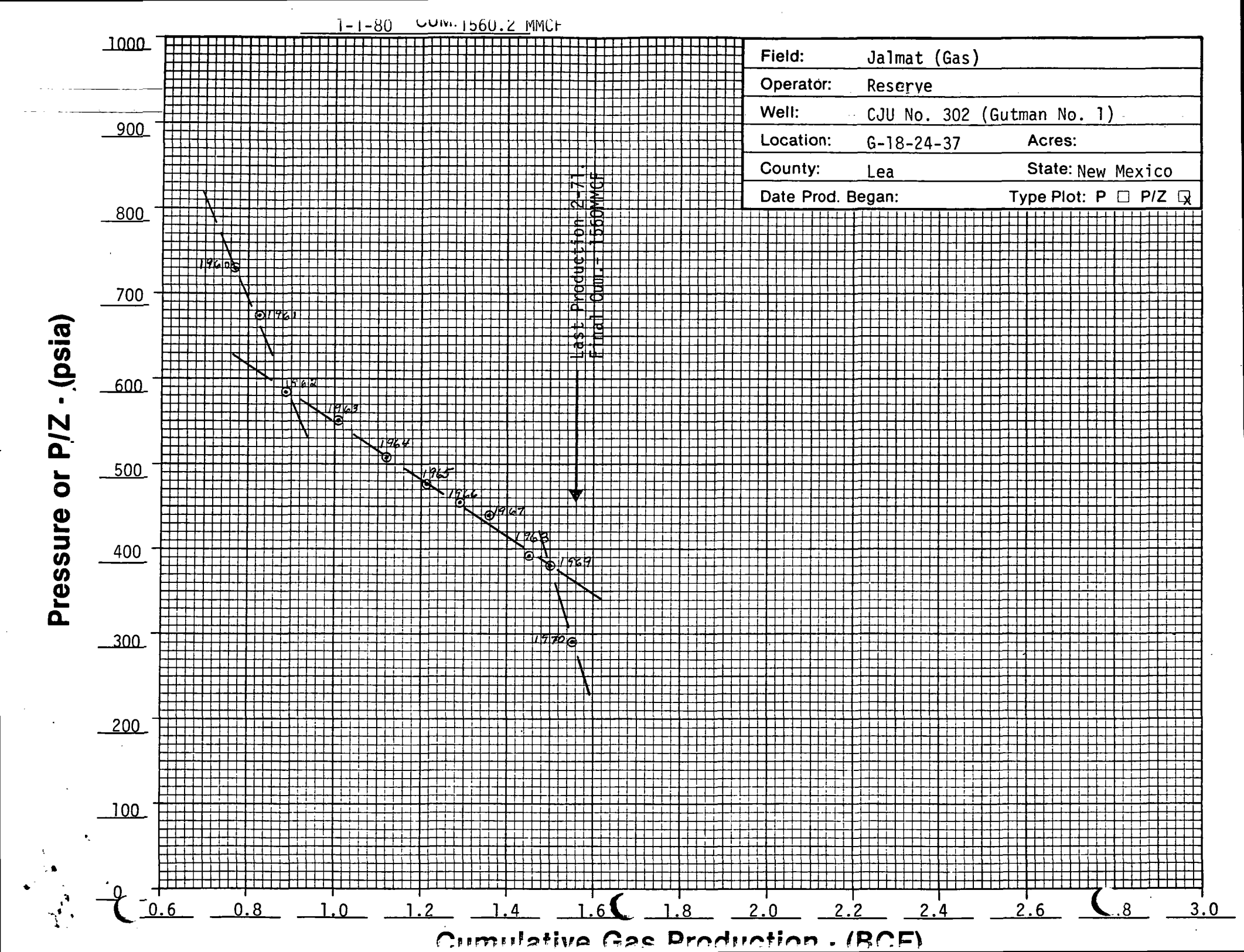
Jan.		July	
Feb.		Aug.	
March		Sept.	
April		Oct.	
May		Nov.	
June		Dec.	

Production (Y-T-D) 6537 MCF

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

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


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:
Gas Production - MCF/month
10000
1000
100
Last Production 2-71
DEC. MAR. JUN. SEP.
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973


1-1-80 CUM. 1560.2 MMCF
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 ☒
Last Production 2-71.
Final Cum. = 1560MMCF
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
Pressure or P/Z - (psia)
1000
900
800
700
600
500
400
300
200
100
0
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.0
2.2
2.4
2.6
2.8
3.0
Cumulative Gas Production - (BCF)

GAS PRODUCTION HISTORY

Date 1-15-80

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	

1978 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

1979 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

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

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

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:

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1980	12	42707	3559	3059.8	61.2	75	
1981	4	10240	2560	3070.0	N/A	N/A	

19 80 Detail Summary

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

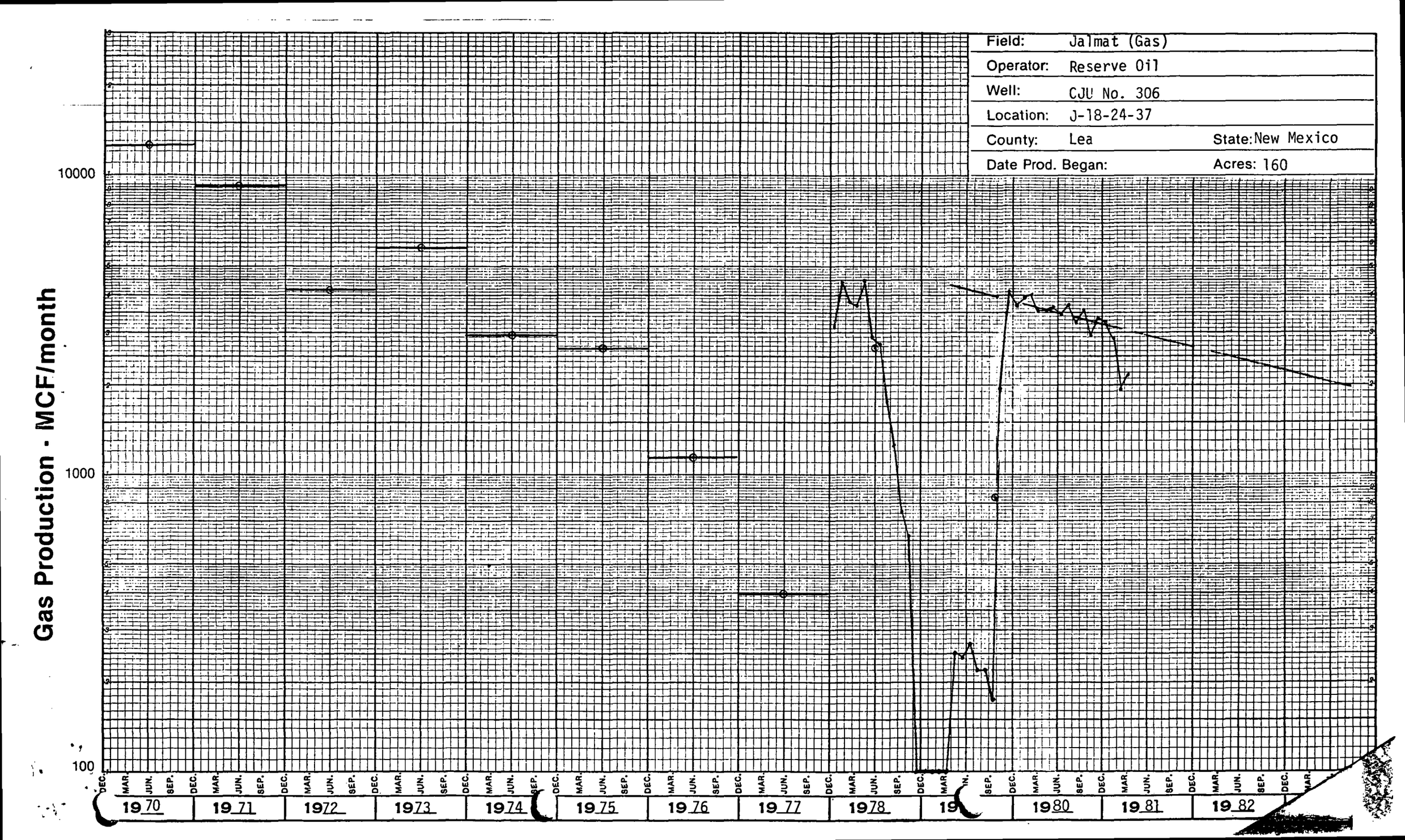
Production (Y-T-D) 11528 MCF

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

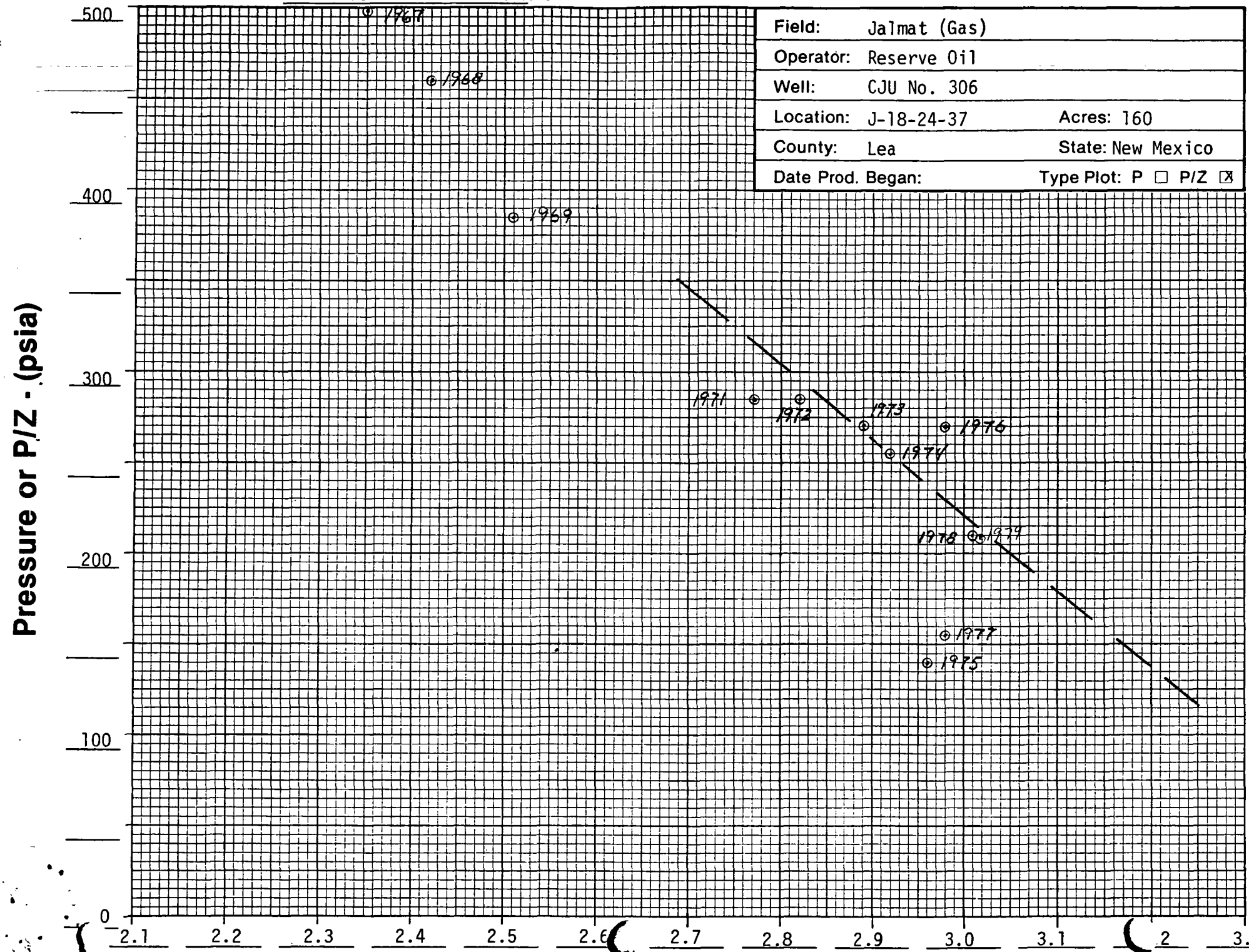
19 81 Detail Summary

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

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


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
Gas Production - MCF/month
10000
1000
100
DEC. MAR. JUN. SEP.
1970
1971
1972
1973
1974
1975
1976
1977
1978
1980
1981
1982

12-1-79 CUM: 3013.5 MMCF



GAS PRODUCTION HISTORY

Date 12-21-79

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

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:

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)
1958	12	176721	14727	788.8	721	830	190
1957	12	224660	18722	612.1	784	920	N/A
1956	12	246384	20532	387.5	N/A	N/A	N/A
1955	7	141081	20154	141.1	N/A	N/A	N/A

19____ Detail Summary

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

Production (Y-T-D)

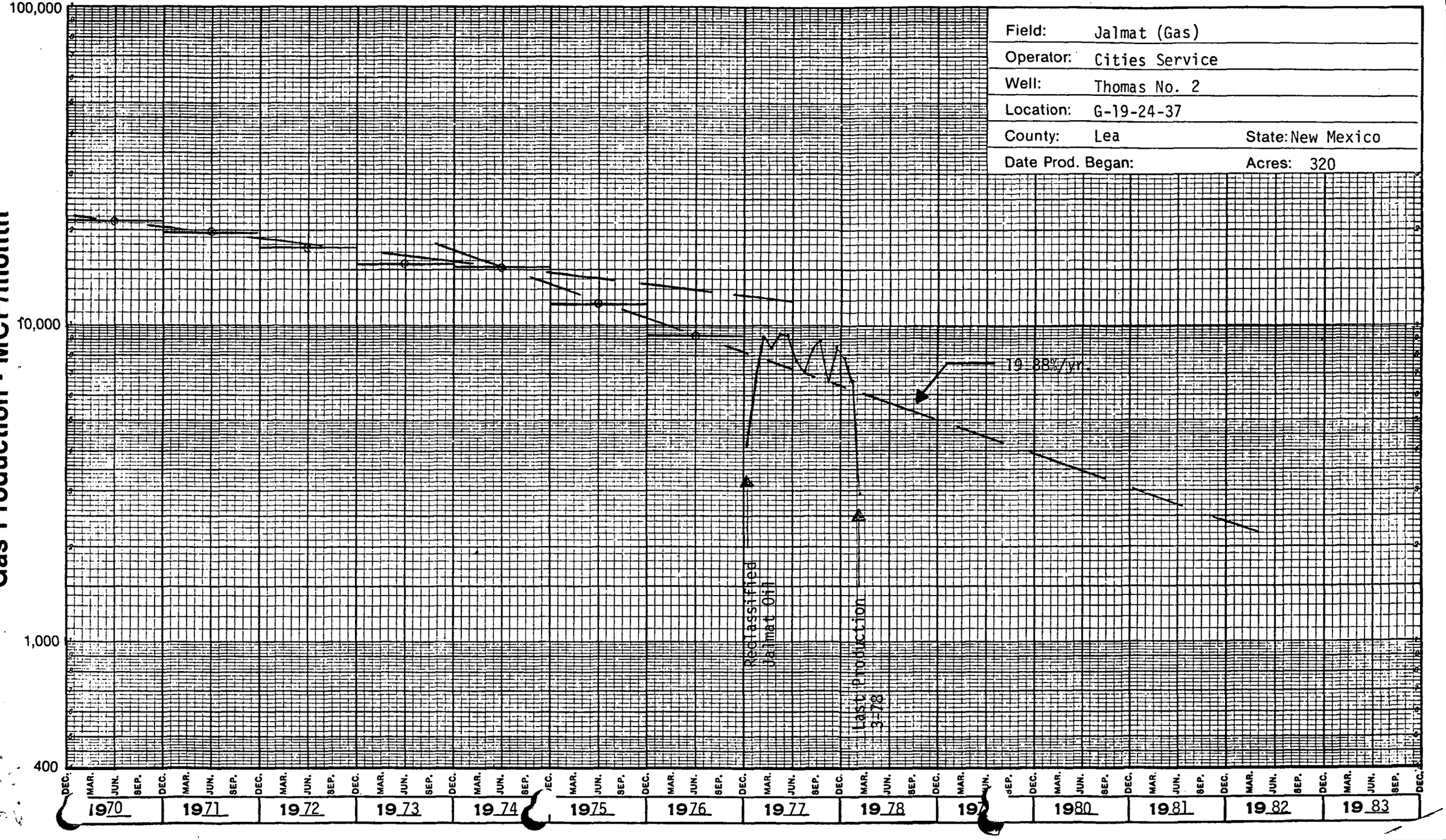
Days or Months (Y-T-D)

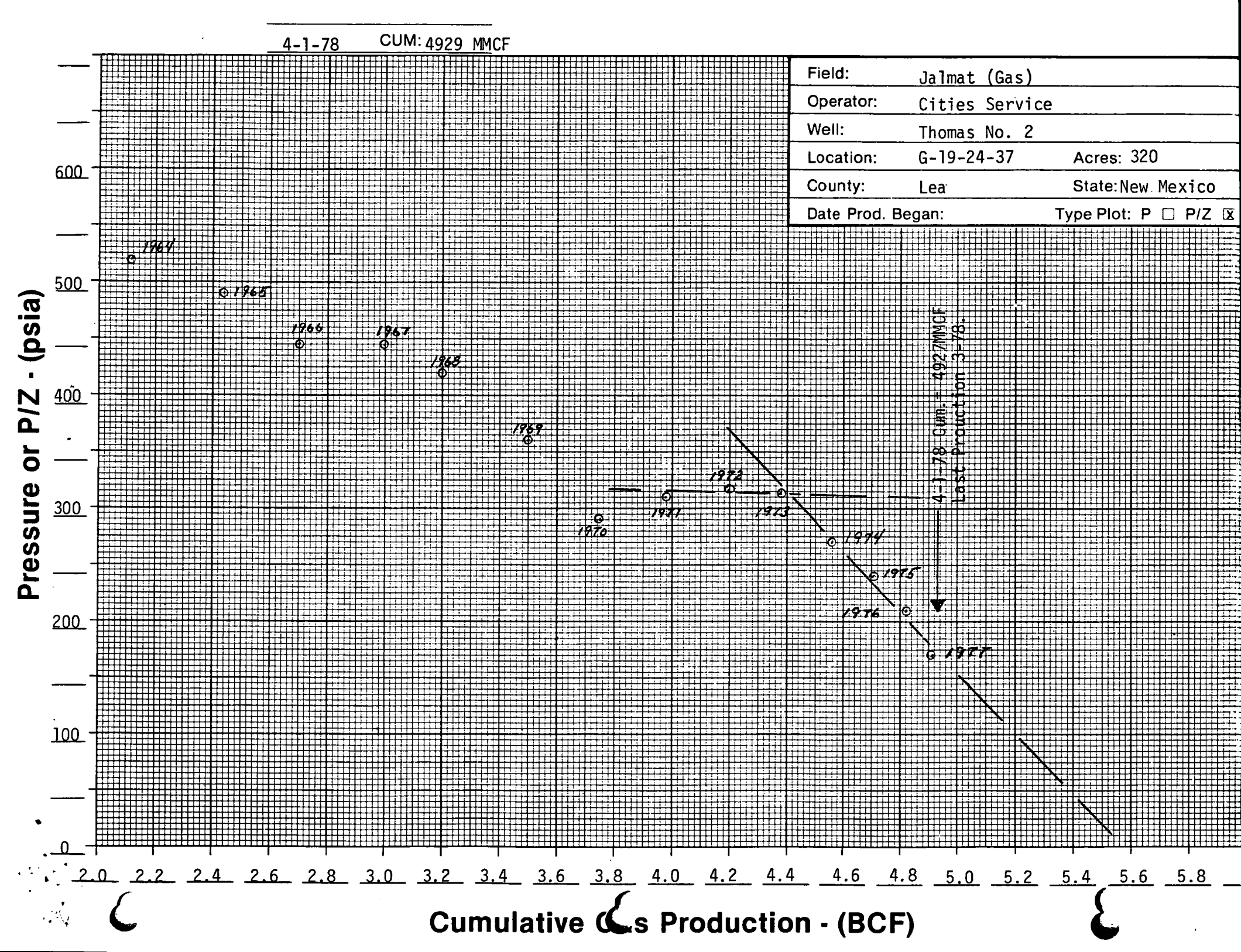
19____ Detail Summary

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

Avg. Rate (Y-T-D)

4-1-78 Cum: 4929 MMCF




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)
Last production 3-78
4-1-78 Cum. = 4927 MMCF
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
0
100
200
300
400
500
600
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
5.0
5.2
5.4
5.6
5.8

GAS PRODUCTION HISTORY

Date 7-23-81 Page 1 of 1

Operator: Conoco

Well: Jack "A-20" No. 9

Location: A-20-24-37

Pool: Jalmat (Gas)

Spud Date: Original Completion Date:

Completion Interval (Gas):

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

Remarks: First Production 11-74.

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1974	2	25259	12629	25.3	N/A	N/A	
1975	12	103393	8616	128.7	243.2	250	
1976	12	52930	4411	181.6	244.2	250	
1977	12	66871	5573	248.5	213.2	225	
1978	12	53889	4491	302.3	215.2	225	
1979	12	30776	2565	333.1	209.2	220	
1980	12	20097	1675	353.2	197.2	205	
1981	5	6152	1230	359.4	N/A	N/A	

1980 Detail Summary

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

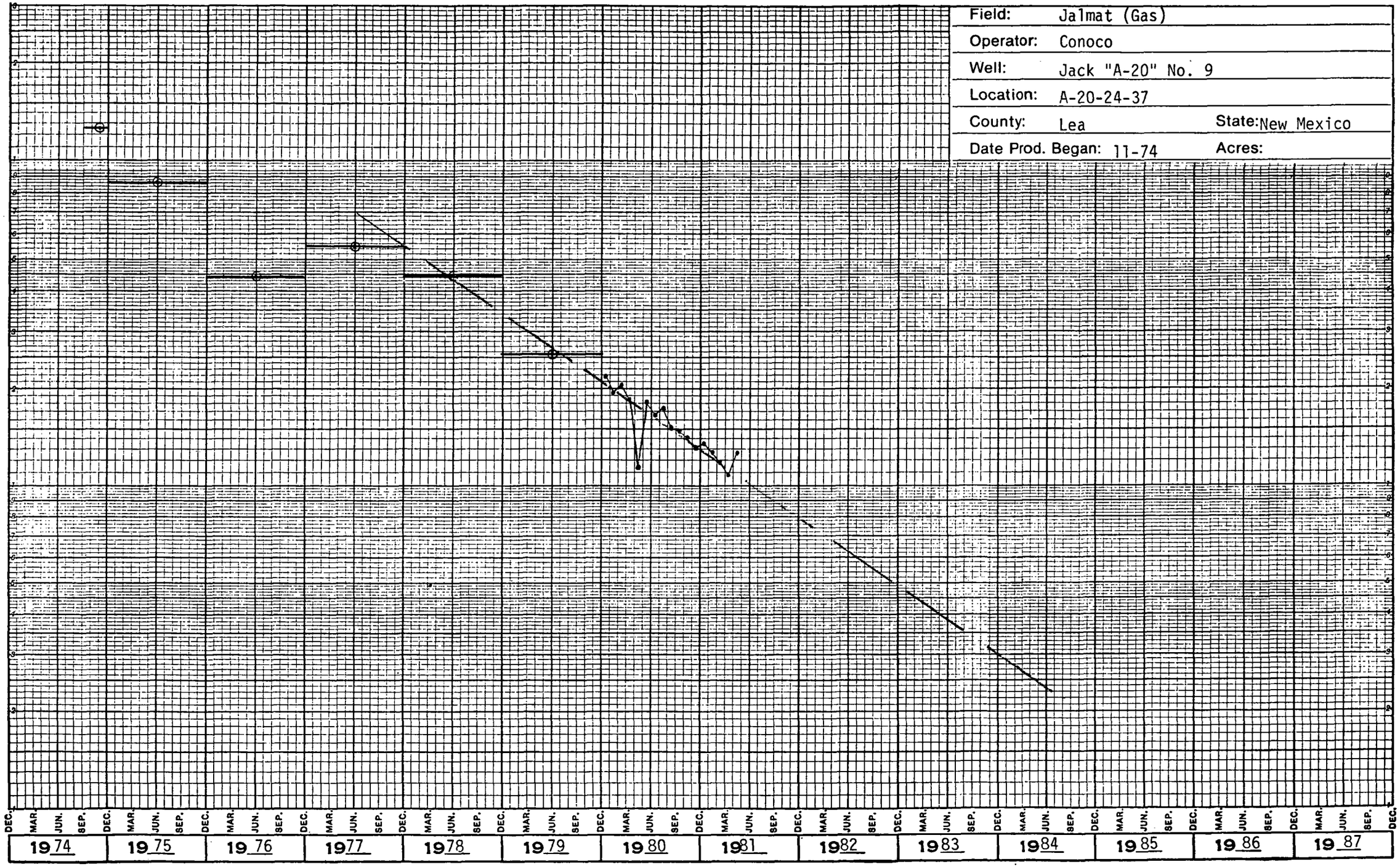
1981 Detail Summary

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

Production (Y-T-D) 6152 MCF

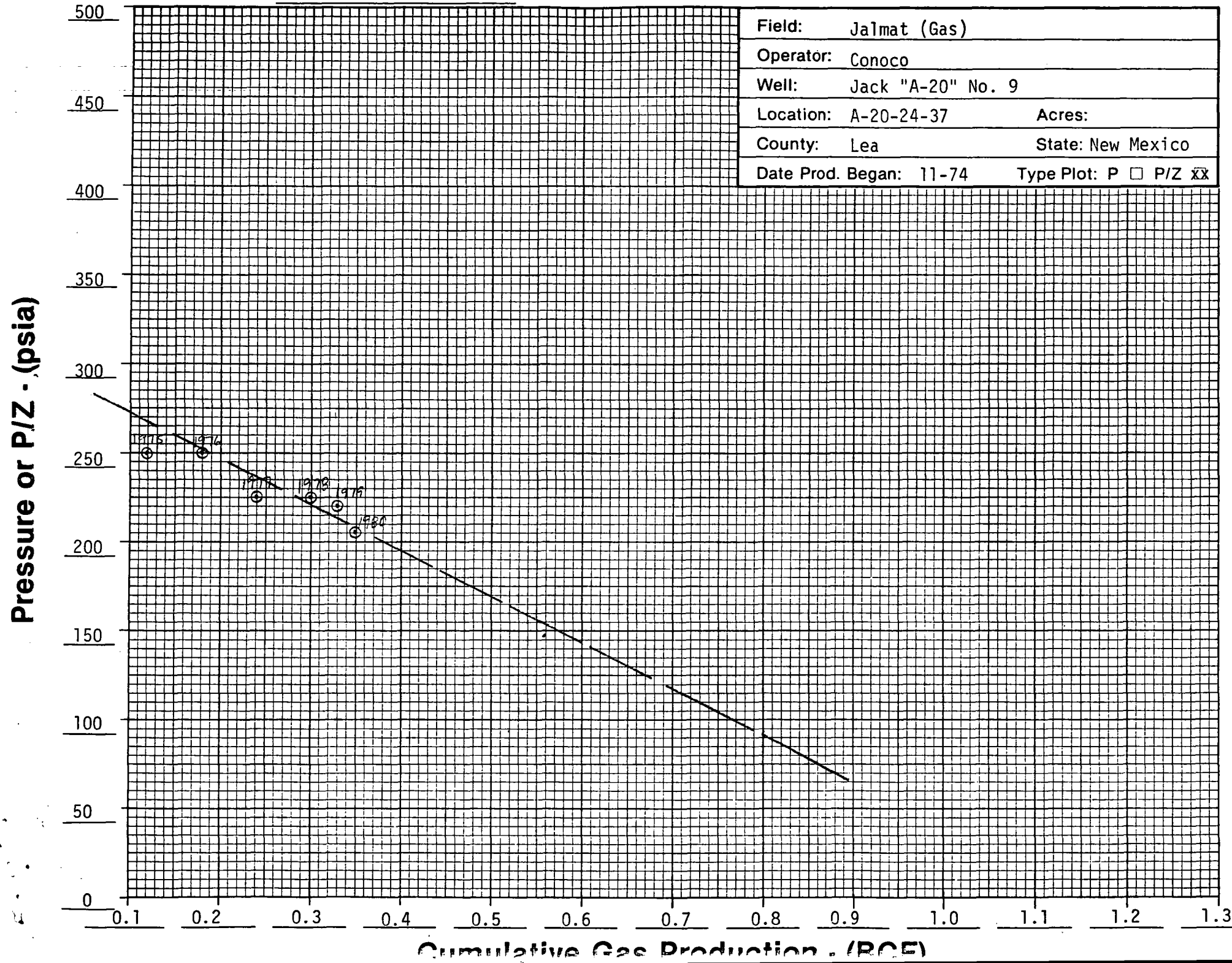
Avg. Rate (Y-T-D) 1230 MCF/mo.

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


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:
Gas Production - MCF/month
10000
1000
100
DEC. MAR. JUN. SEP. DEC.
1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987

6-1-81 CUM: 359.4 MMCF

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.

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1963	11	201978	18362	1438.1	579.2	640	
1964	12	311471	25956	1749.6	418.2	450	
1965	12	237504	19792	1987.1	233.2	245	
1966	12	195930	16327	2183.0	354.2	375	
1967	12	232210	19351	2415.7	294.2	310	
1968	11	134084	12189	2549.8	324.2	345	
1969	12	149608	12467	2699.4	159.2	165	
1970	12	75157	6263	2774.5	315.2	335	
1971	12	110287	9191	2884.8	281.2	295	
1972	12	53619	4468	2938.4	227.2	235	
1973	8	2683	335	2941.1	268.2	280	
1974	3	80	27	2941.2	N/A	N/A	

19 73 Detail Summary

Jan.	1188	July	3
Feb.	751	Aug.	0
March	504	Sept.	0
April	141	Oct.	0
May	41	Nov.	18
June	0	Dec.	37

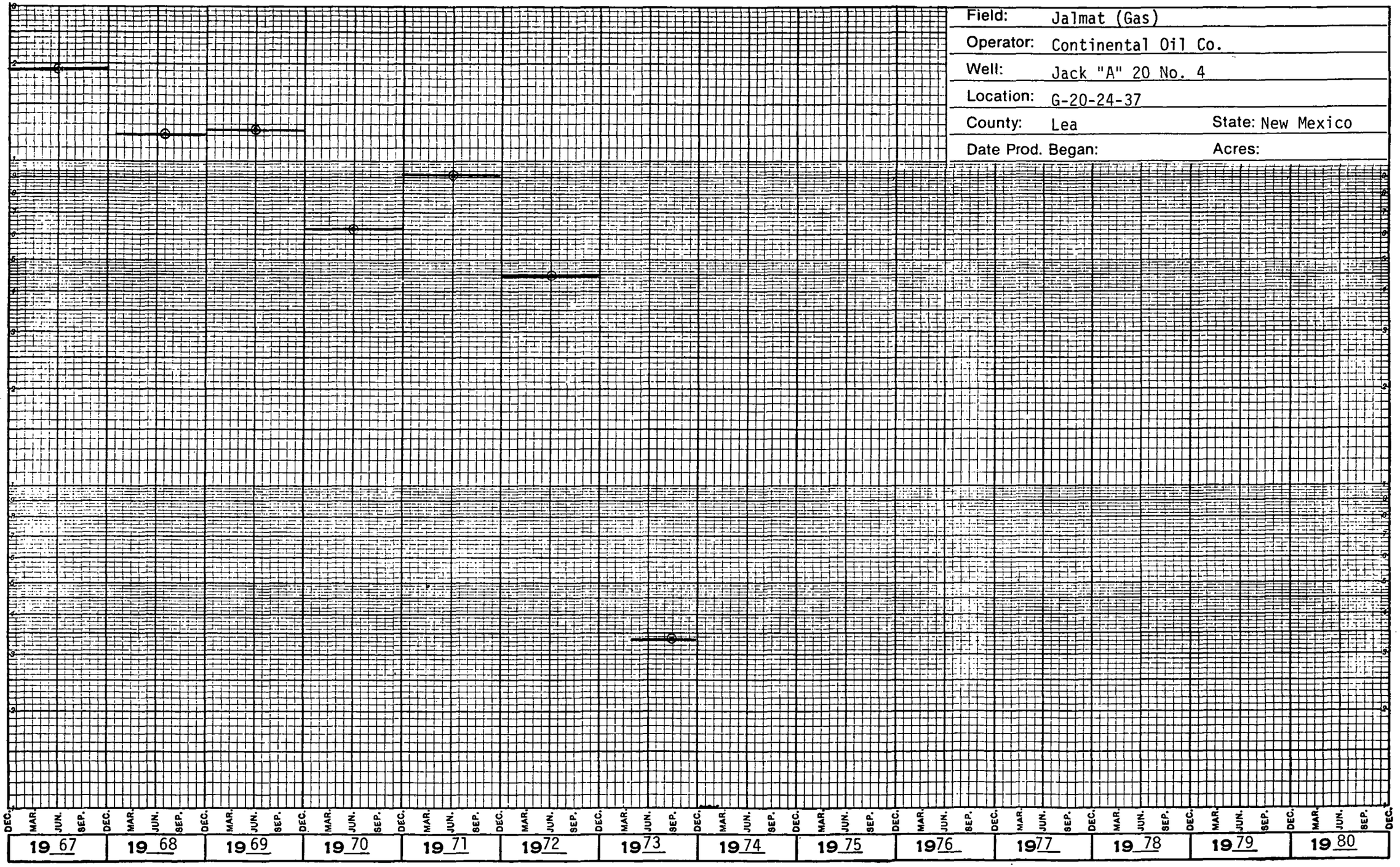
19 74 Detail Summary

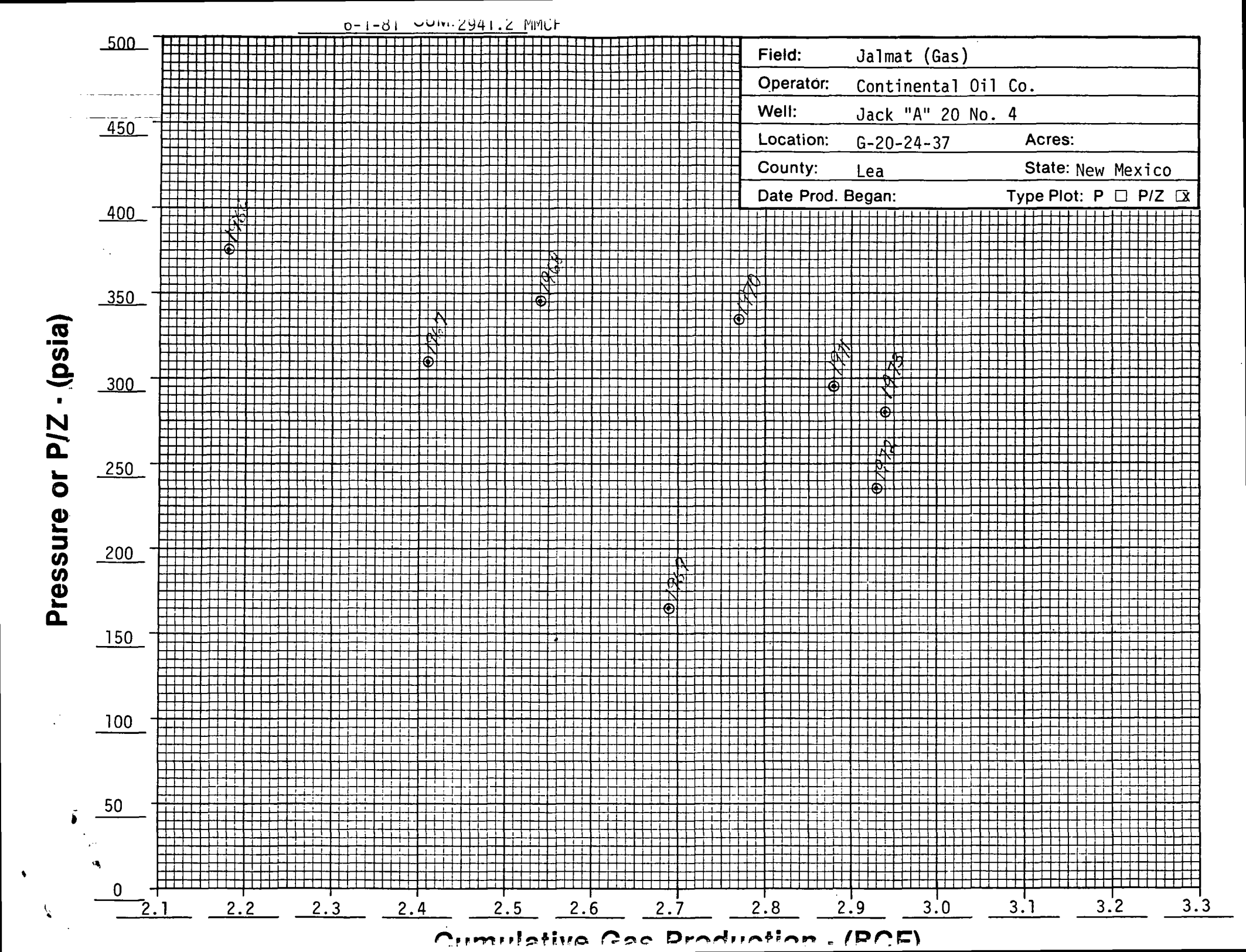
Jan.	2	July	
Feb.	5	Aug.	
March	73	Sept.	
April		Oct.	
May		Nov.	
June		Dec.	

Production (Y-T-D) 80 MCF

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

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


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:
Gas Production - MCF/month
10000
1000
100
DEC. MAR. JUN. SEP.
19 67
19 68
19 69
19 70
19 71
19 72
19 73
19 74
19 75
19 76
19 77
19 78
19 79
19 80


6-1-81 Cum. 2941.2 MMCF
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 ☒
Pressure or P/Z - (psia)
500
450
400
350
300
250
200
150
100
50
0
2.1
2.2
2.3
2.4
2.5
2.6
2.7
2.8
2.9
3.0
3.1
3.2
3.3
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

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)		
1954	3	210	70	212.8			
1953	12	9296	775	212.6			
1952	12	55474	4623	203.3			
1951	12	55547	4629	147.8			
1950	12	60771	5064	92.3			
1949	6	31498	5250	31.5			

1953 Detail Summary

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

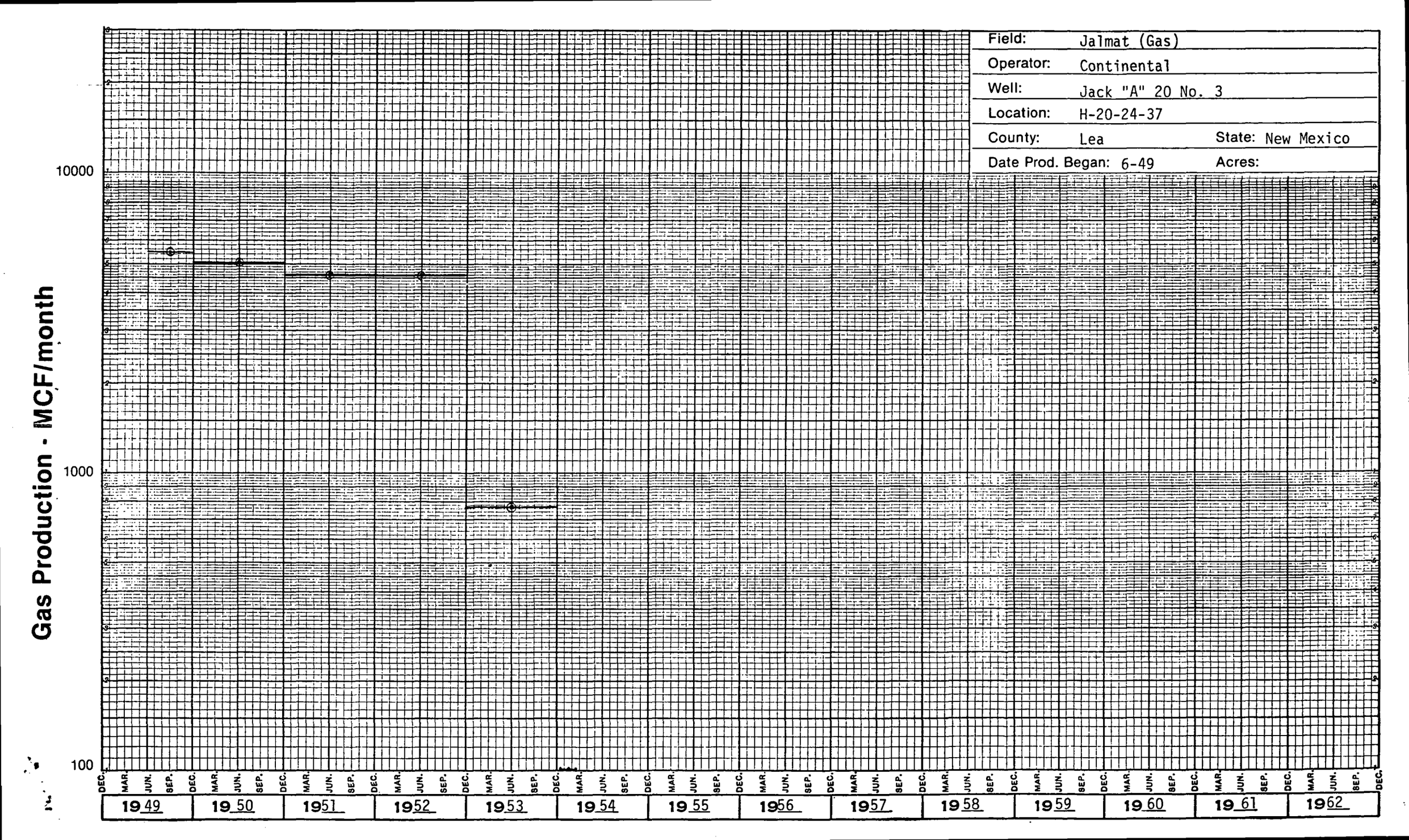
1954 Detail Summary

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.


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 - MCF/month
10000
1000
100
DEC. MAR. JUN. SEP. DEC.
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962

GAS PRODUCTION HISTORY

Date 12-28-79

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

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.

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1980	12	116321	9693	3900.5	121.2	130	
1981	5	28845	5769	3929.3	N/A	N/A	

19 80 Detail Summary

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

Production (Y-T-D) 65125 MCF

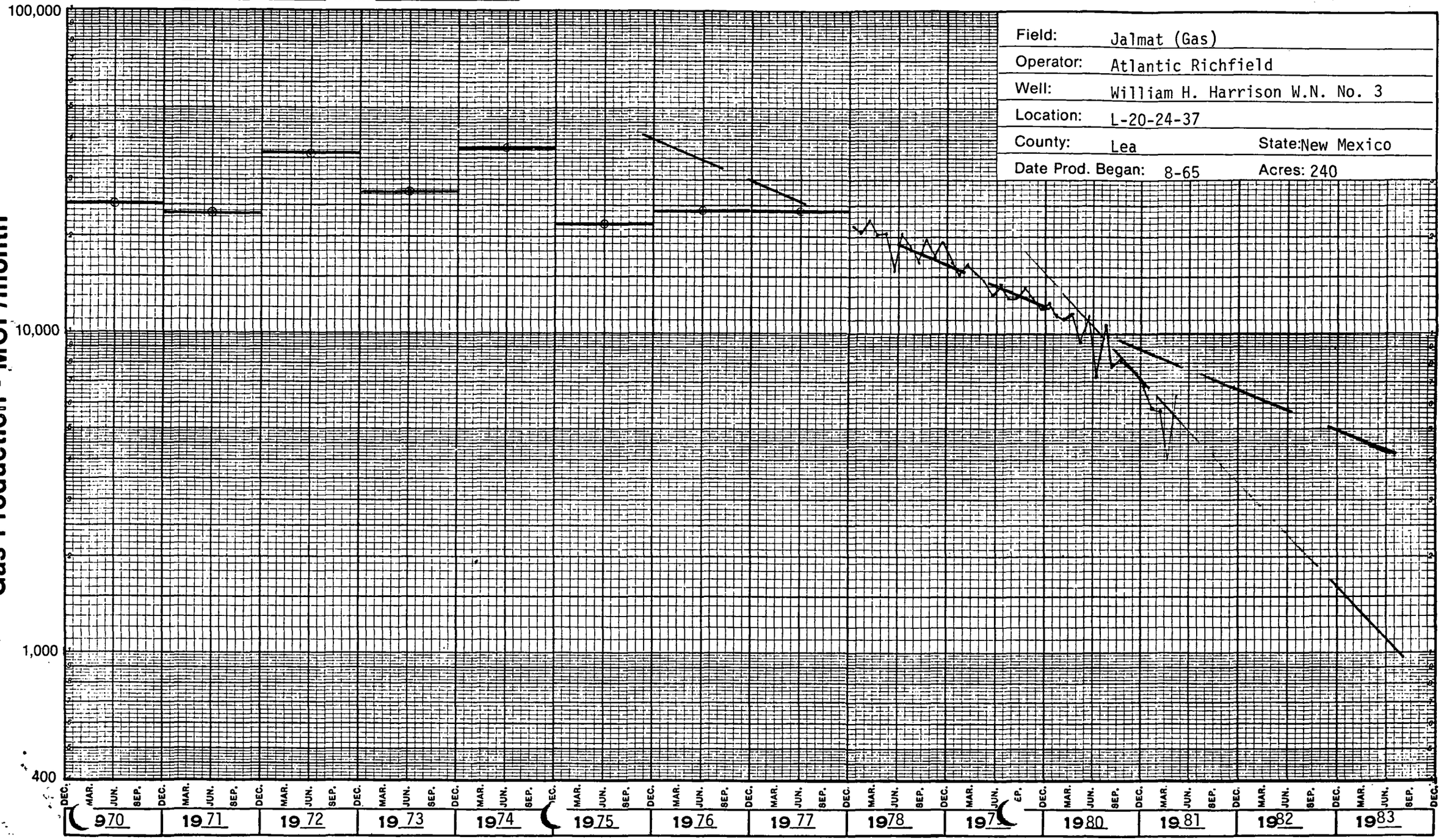
Days or Months (Y-T-D) 6 mos.

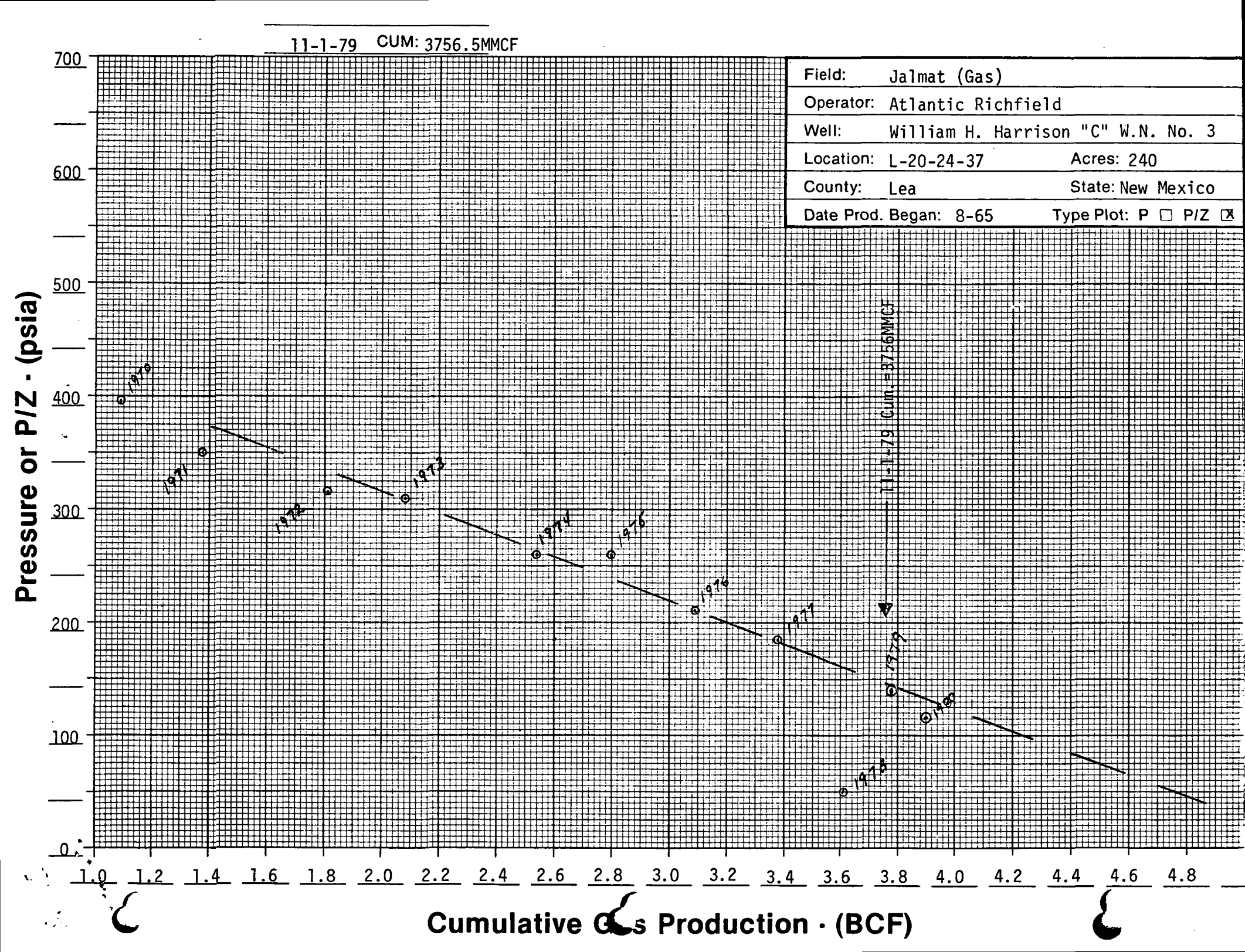
19 81 Detail Summary

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

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

7-1-80 Cum: 3849.3 MMCF




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 ☒
11-1-79 Cum=3756MCF
1979
1978
1977
1976
1975
1974
1973
1972
1971
1970
Pressure or P/Z - (psia)
700
600
500
400
300
200
100
0
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.

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)
1980	10	36298	3630	36.3	N/A
1981	6	16511	2752	52.8	N/A

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

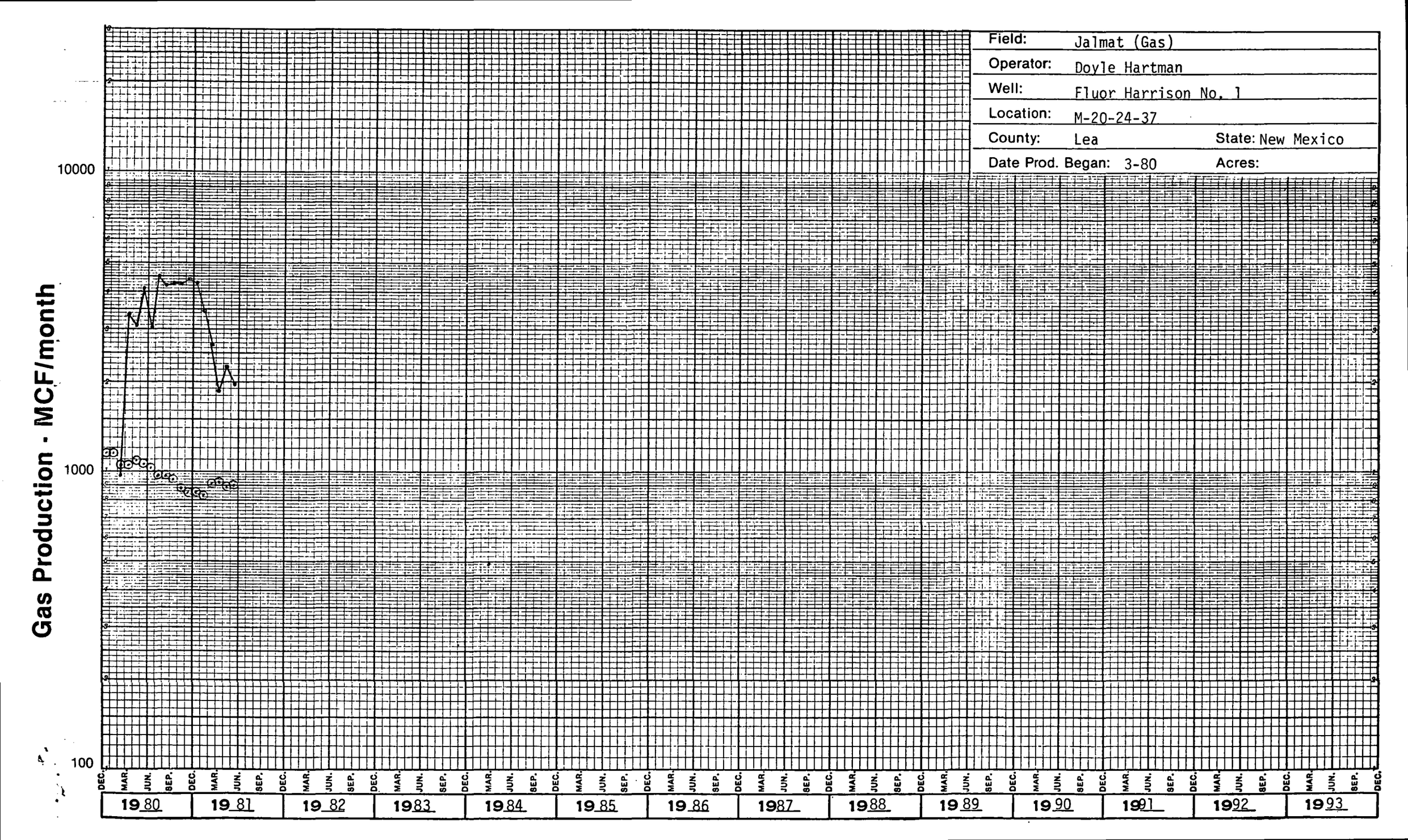
19 81 Detail Summary

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.


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 - MCF/month
10000
1000
100
DEC. MAR. JUN. SEP.
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993

GAS PRODUCTION HISTORY

Date 1-8-80 Page 1 of 2

Operator: Conoco
Well: Jack "A-20" No.10
Location: O-20-24-37

Pool: Jalmat (Gas)
Spud Date: 7-20-74 Original Completion Date:
Completion Interval (Gas): OH 2880' - 3300'
Completion Date (Gas): First Production (Gas):
Remarks: First Production 10-74

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/MO.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1979	12	19908	1659	363.5	181.2	190	
1978	11	77544	7049	343.6	47.2	50	
1977	12	96175	8015	266.1	43.2	45	
1976	12	44971	3748	169.9	313.2	330	
1975	12	67514	5626	124.9	273.2	290	
1974	3	57424	19141	57.4	N/A	N/A	

19 78 Detail Summary

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

Production (Y-T-D) 9141 MCF
Days or Months (Y-T-D) 11 Mo.

19 79 Detail Summary

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

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

GAS PRODUCTION HISTORY

Date 8-22-80

Operator: Conoco

Well: Jack "A-20" No. 10

Location: O-20-24-37

Pool: Jalmat (Gas)

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

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

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

Remarks: First Production 10-74.

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1980	12	55028	4586	418.5	162.2	165	
1981	5	4592	918	423.1	N/A	N/A	

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

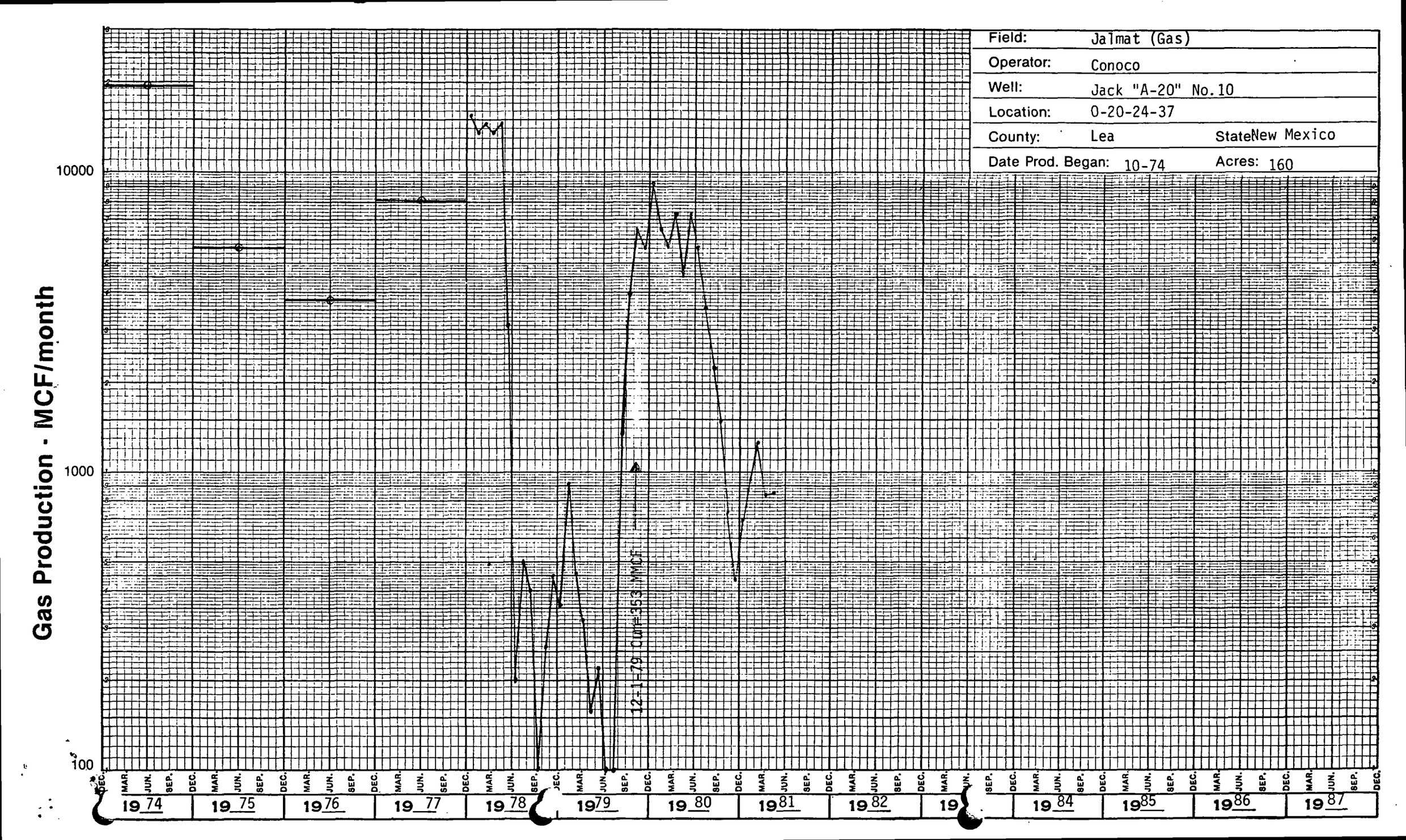
1981 Detail Summary

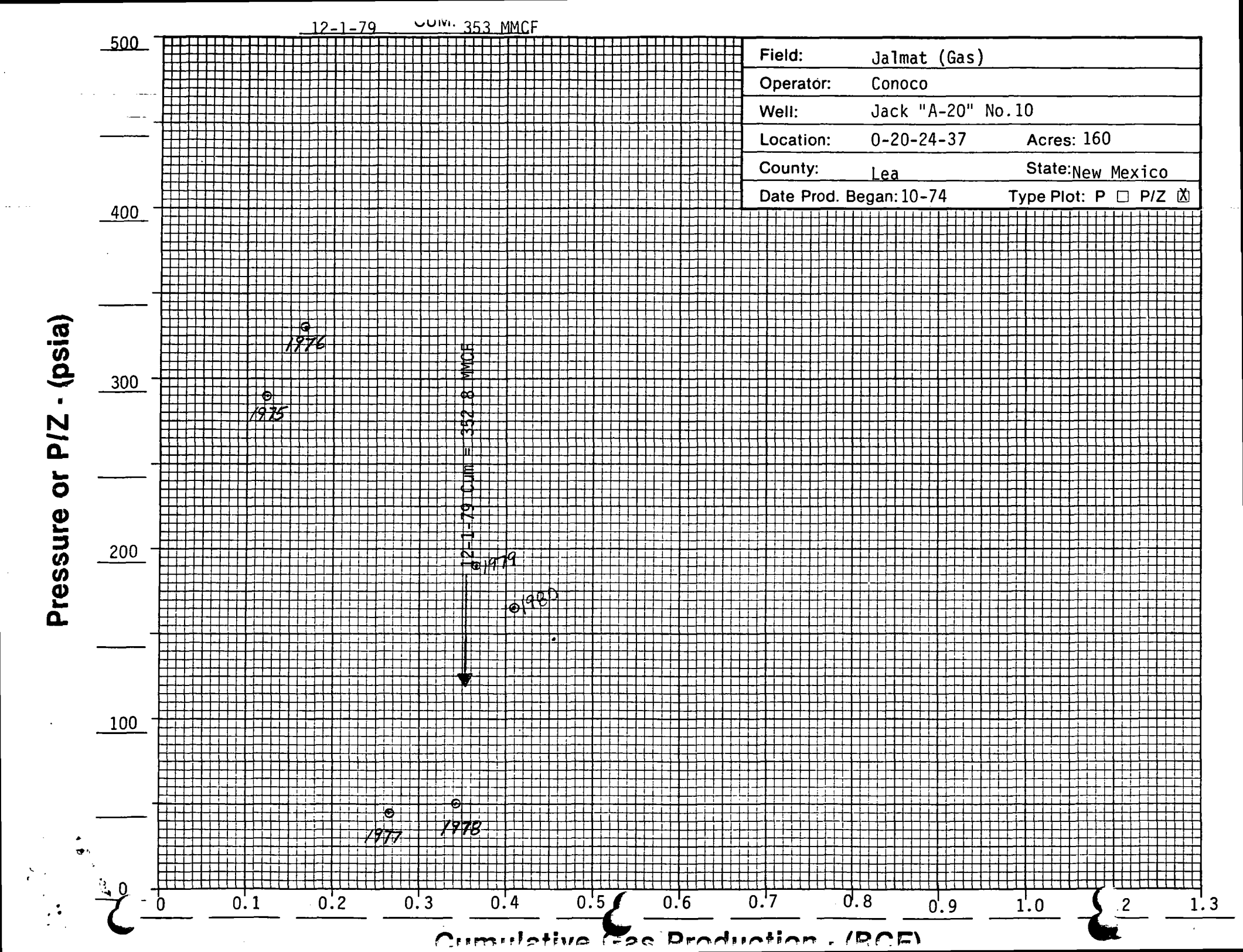
Jan.	698	July	
Feb.	947	Aug.	
March	1256	Sept.	
April	839	Oct.	
May	852	Nov.	
June		Dec.	

Production (Y-T-D) 40885 MCF

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

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


Field: Jalmat (Gas)
Operator: Conoco
Well: Jack "A-20" No.10
Location: 0-20-24-37
County: Lea
State New Mexico
Date Prod. Began: 10-74
Acres: 160
Gas Production - MCF/month
10000
1000
100
12-1-79 Cum=353 MMCF
DEC. MAR. JUN. SEP.
1974
1975
1976
1977
1978
1979
1980
1981
1982
1984
1985
1986
1987


12-1-79 Cum: 353 MMCF
Field: Jalmat (Gas)
Operator: Conoco
Well: Jack "A-20" No.10
Location: O-20-24-37 Acres: 160
County: Lea State: New Mexico
Date Prod. Began: 10-74 Type Plot: P ☐ P/Z ☒
Pressure or P/Z - (psia)
500
400
300
200
100
0
1976
1975
12-1-79 Cum = 352.8 MMCF
1979
1980
1977
1978
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.2
1.3
Cumulative Gas Production - (BCF)

GAS PRODUCTION HISTORY

Date 8-12-81

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:

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1973	12	78191	6516	1280.2	186.2	190	
1974	12	78197	6516	1358.4	183.2	185	
1975	12	57529	4794	1416.0	185.2	190	
1976	12	55357	4613	1471.3	172.2	175	
1977	12	39916	3326	1511.2	166.2	170	
1978	12	41134	3428	1552.4	155.2	160	
1979	12	24245	2020	1576.6	153.2	155	
1980	12	18372	1531	1595.0	156.2	160	
1981	5	6614	1323	1601.6	N/A	N/A	

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

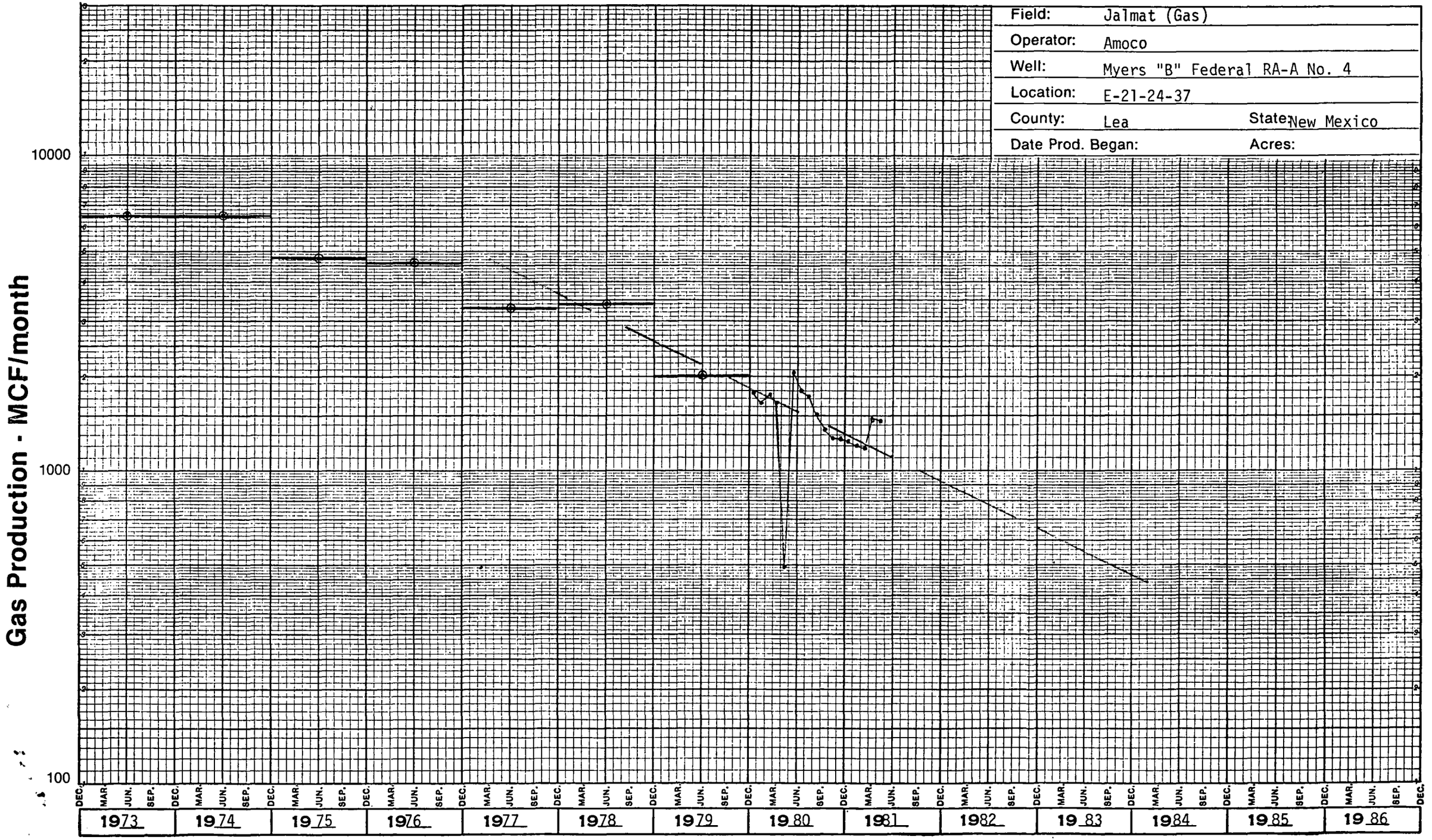
19 81 Detail Summary

Jan.	1263	July	
Feb.	1206	Aug.	
March	1193	Sept.	
April	1488	Oct.	
May	1464	Nov.	
June		Dec.	

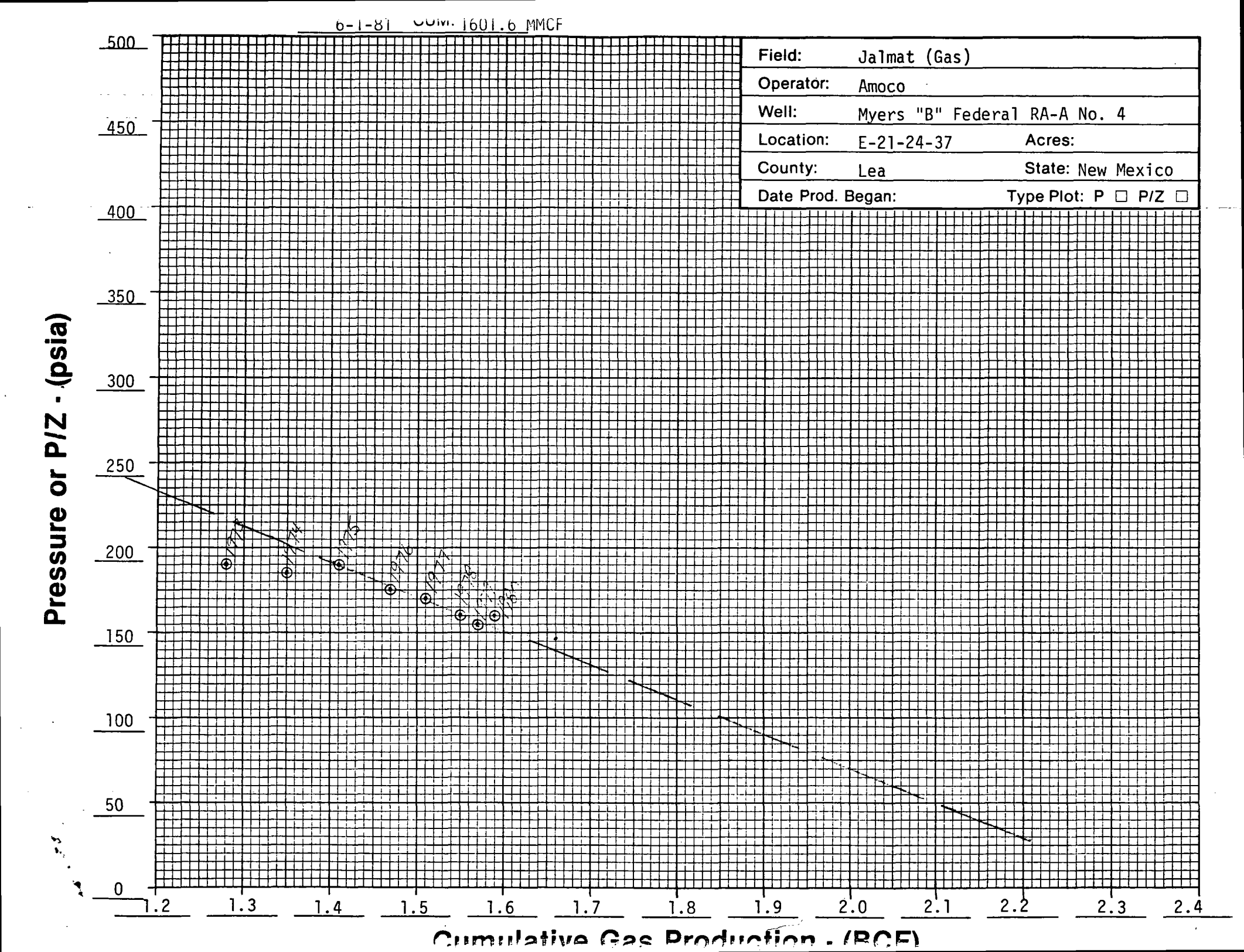
Production (Y-T-D) 6614 MCF

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

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


Field: Jalmat (Gas)
Operator: Amoco
Well: Myers "B" Federal RA-A No. 4
Location: E-21-24-37
County: Lea
State: New Mexico
Date Prod. Began:
Acres:
Gas Production - MCF/month
10000
1000
100
DEC. MAR. JUN. SEP.
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986

6-1-81 CUM. 1601.6 MMCF



GAS PRODUCTION HISTORY

Date 8-12-81 Page 1 of 1

Operator: Conoco

Well: Jack "A-21" No. 1

Location: M-21-24-37

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	
1973	12	7971	664	2736.3	139.2	145	
1974	12	8909	742	2745.2	195.2	200	
1975	12	10889	907	2756.1	94.2	95	
1976	12	11383	949	2767.4	123.2	125	
1977	11	11210	1019	2778.6	123.2	125	
1978	12	18309	1526	2797.0	129.2	130	
1979	12	10732	894	2807.7	115.2	120	
1980	12	9061	755	2816.8	107.2	110	
1981	5	3981	796	2820.8	N/A	N/A	

19 80 Detail Summary

Jan.	650	July	788
Feb.	597	Aug.	739
March	717	Sept.	757
April	757	Oct.	740
May	893	Nov.	682
June	1001	Dec.	740

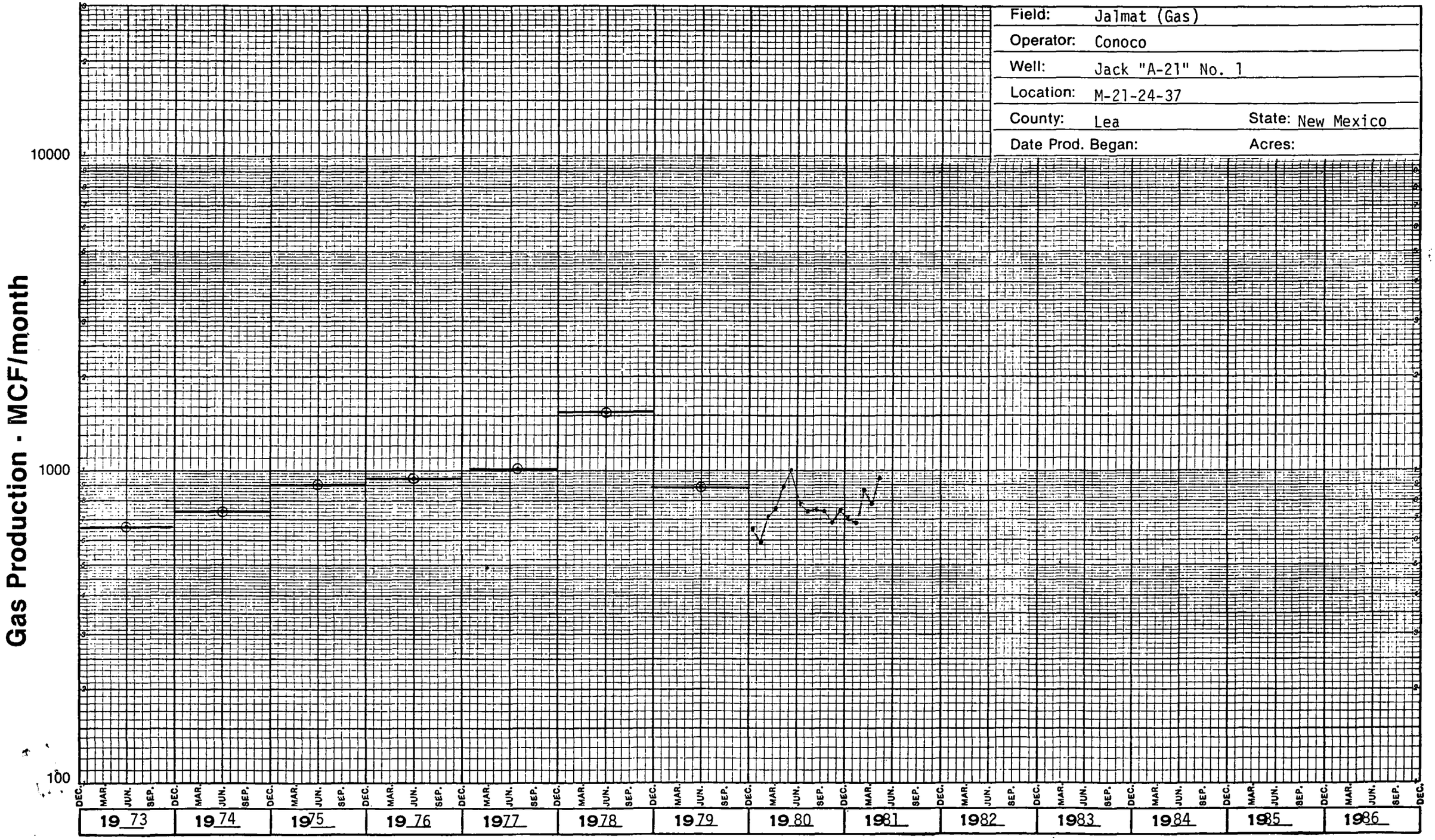
19 81 Detail Summary

Jan.	703	July	
Feb.	681	Aug.	
March	876	Sept.	
April	779	Oct.	
May	942	Nov.	
June		Dec.	

Production (Y-T-D) 3981 MCF

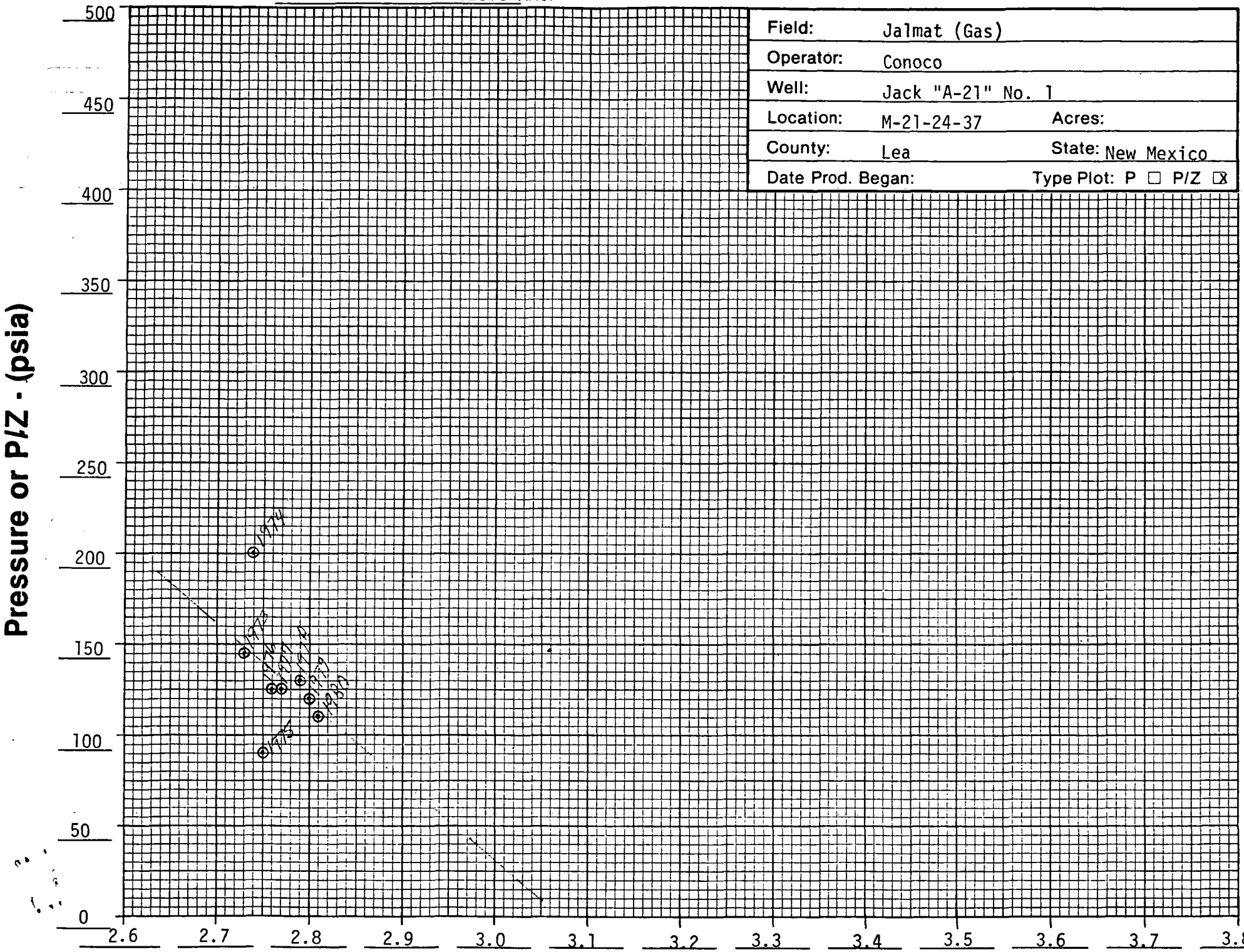
Avg. Rate (Y-T-D) 796 MCF/mo.

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


Field: Jalmat (Gas)
Operator: Conoco
Well: Jack "A-21" No. 1
Location: M-21-24-37
County: Lea
State: New Mexico
Date Prod. Began:
Acres:
Gas Production - MCF/month
10000
1000
100
DEC. MAR. JUN. SEP.
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986

6-1-81 COM: 2820.8 MMCF

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 ☒



Cumulative Gas Production - (BCF)

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.

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)
1980	9	67849	7539	67.8	N/A
1981	5	26406	5281	94.2	N/A

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

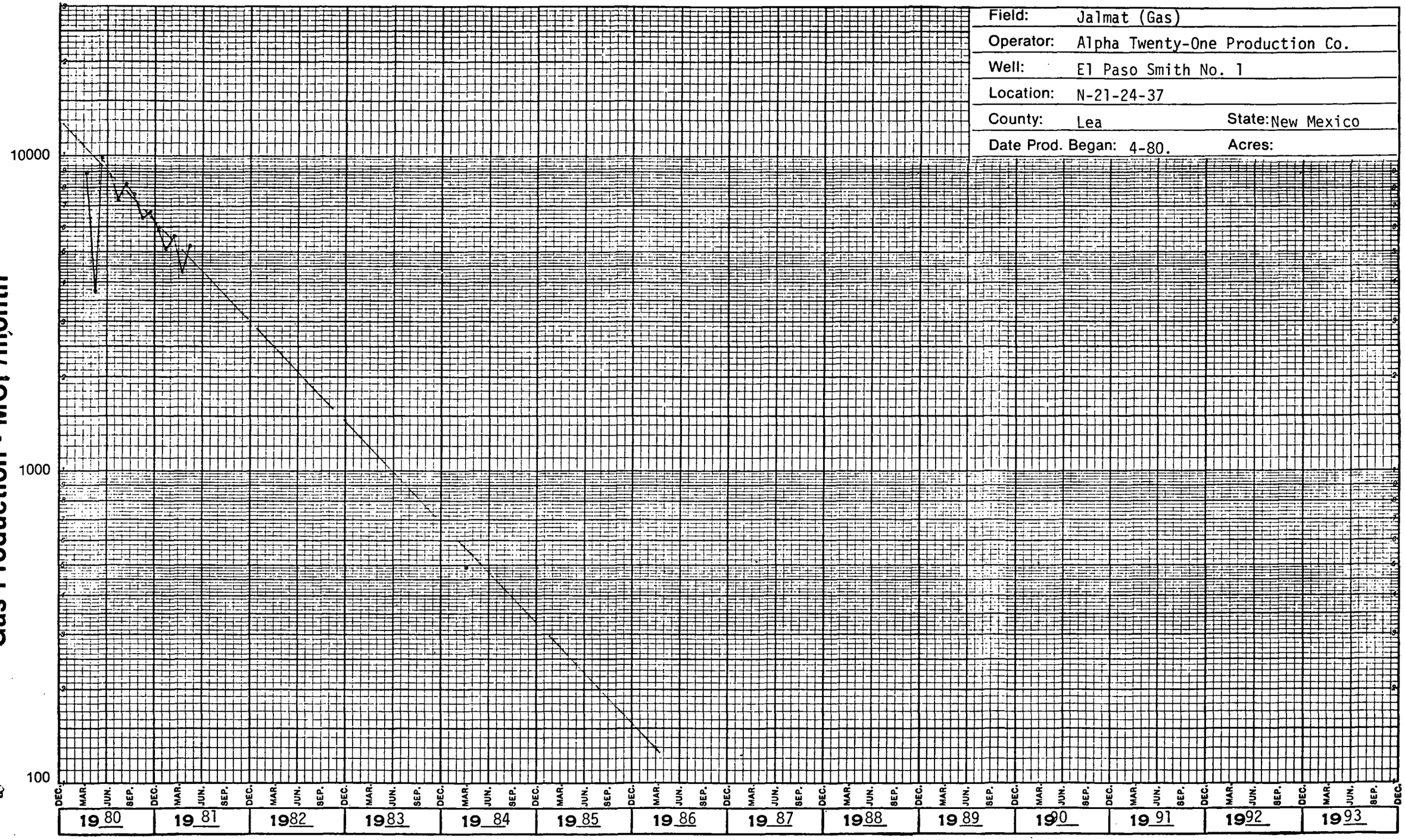
19 81 Detail Summary

Jan.	5998	July	
Feb.	5177	Aug.	
March	5658	Sept.	
April	4318	Oct.	
May	5255	Nov.	
June		Dec.	

Production (Y-T-D) 26406 MCF

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

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


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:
Gas Production - MCF/month
10000
1000
100
DEC. MAR. JUN. SEP.
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993

GAS PRODUCTION HISTORY

Date 8-11-81 Page 1 of 1

Operator: El Paso Natural Gas Co.

Well: Shell Black No. 2

Location: O-21-24-37

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	11	76173	6925	1717.6	236.2	245	
1971	12	92586	7715	1810.2	204.2	215	
1972	12	84714	7059	1894.9	241.2	255	
1973	12	46369	3864	1941.3	198.2	205	
1974	11	29633	2694	1970.9	238.2	245	
1975	12	22782	1898	1993.7	183.2	190	
1976	12	29170	2431	2022.9	153.2	155	
1977	12	17759	1480	2040.6	124.2	125	
1978	12	5600	467	2046.2	36.2	40	
1979	12	6170	514	2052.4	N/A	N/A	
1980	12	7103	592	2059.5	N/A	N/A	
1981	5	2194	439	2061.7	N/A	N/A	

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

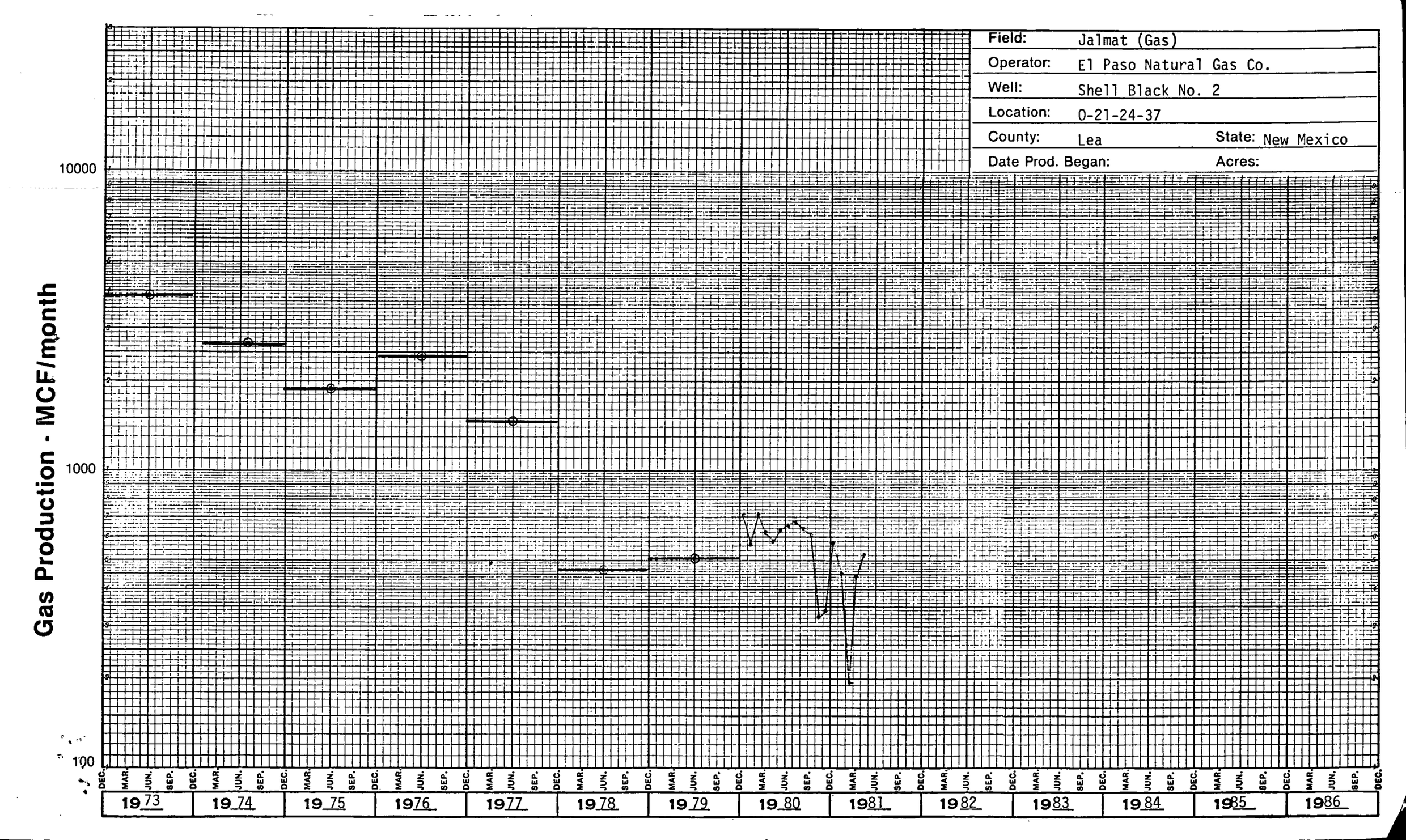
19 81 Detail Summary

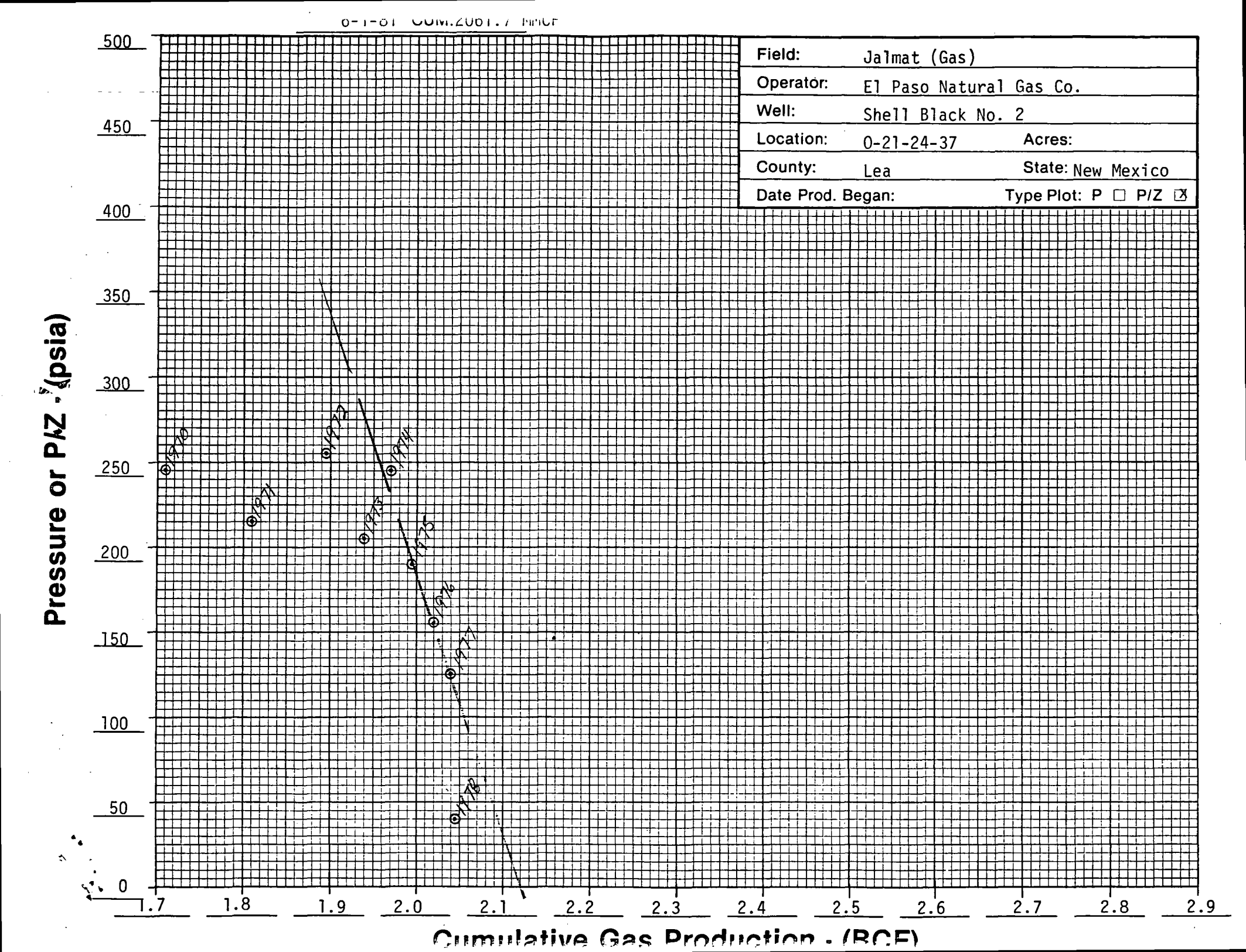
Jan.	571	July	
Feb.	456	Aug.	
March	197	Sept.	
April	447	Oct.	
May	523	Nov.	
June		Dec.	

Production (Y-T-D) 2194 MCF

Avg. Rate (Y-T-D) 439 MCF/mo.

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


Field: Jalmat (Gas)
Operator: El Paso Natural Gas Co.
Well: Shell Black No. 2
Location: O-21-24-37
County: Lea
State: New Mexico
Date Prod. Began:
Acres:
Gas Production - MCF/month
10000
1000
100
DEC. MAR. JUN. SEP.
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986


6-1-61 CUM.2061.7 MMCF
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 ☒
Pressure or P/Z - (psia)
500
450
400
350
300
250
200
150
100
50
0
1.7
1.8
1.9
2.0
2.1
2.2
2.3
2.4
2.5
2.6
2.7
2.8
2.9
Cumulative Gas Production - (BCF)

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. 3
API No. 30-025-27537
1980 FSL & 2080 FEL (J)
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. 3. The proration unit to which the Late-Thomas No. 3 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 #2 (L-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

Michelle Hembree
Administrative Assistant

/mh

Approved this _____ day of _____, 1981.

_____
Conoco, Inc.

Getty-Reserve Oil Company

Exxon Company, USA

Amoco Production Company

Cities Service Company