

OIL CONSERVATION DIVISION

P. O. Box 2088

SANTA FE, NEW MEXICO

87501

ADMINISTRATIVE ORDER

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NFL 29

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. Bates No. 3
Location: Unit L Sec. 20 Twp. 25-S Rng. 37-E Cty. Lea County

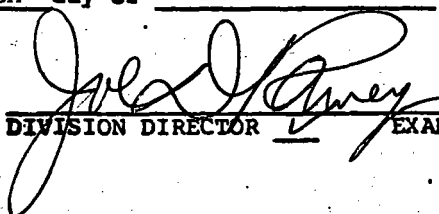
II.

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 Pool, and the standard spacing unit in said pool is 640 acres.
- (4) That a 160-acre proration unit comprising the SW/4 of Sec. 20, Twp. 25-S, Rng. 37-E, is currently dedicated to the Bates Well No. 11 located in Unit L of said section.
- (5) That this proration unit is () standard (x) nonstandard; if nonstandard, said unit was previously approved by Order No. NSP-1065.
- (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 180 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

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 Doyal, Hartman Well Name and No. Bates No. 3
Location: Unit 20 Sec. 20 Twp. 25-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 Jalnet (Gas) Pool, and the standard spacing unit in said pool is 640 acres.

(4) That a 160-acre proration unit comprising the SW/4 of Sec. 20, Twp. 25-S, Rng. 37-E, is currently dedicated to the Bates Well No. 1 located in Unit # 2 of said section.

(5) That this proration unit is () standard (x) nonstandard; if nonstandard, said unit was previously approved by Order No. NSP-1065.

(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 180 MCF 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 _____

* Well is directionally drilled to Unit K

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
Bates No. 3
API No. 30-025-27542
1210 FWL & 1635 FSL (M)L
Section 20, T-25-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 Bates No. 3 located Unit ~~X~~, Section 20, T-25-S, R-37-E, Lea County, New Mexico. L

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 (Gas), and the standard spacing unit therefor is ~~1.5~~ 640 acres.
- Rule 7 The number of the Division order approving the non-standard proration unit dedicated to the well is NSP-1065. The number of the Division order authorizing us to simultaneously dedicate a 160-acre proration unit comprising the SW/4 of Section 20, T-25-S, R-37-E, NMPM to our Bates Well No. 1 in Unit L and our Bates Well No. 3 in Unit ~~X~~ of said Section 20 is SD-81-7. L
- 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 September 28, 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



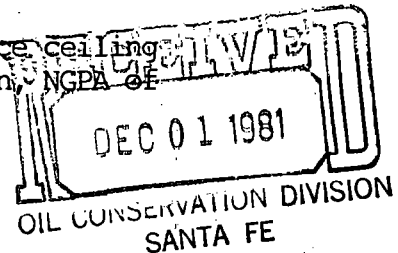
STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

DOYLE HARTMAN
P O BOX 10420
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



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 Bates #3-L 20-25S-37E

SECTION (S) APPLIED FOR 103

DATE APPLICATION RECEIVED October 14, 1981

APPLICATION INCOMPLETE

We have an administrative procedure to obtain an NFL Order. Please obtain same & then send 2 copies of the NFL to attach to this application.

Sincerely,

DATE: 11/9/81

NOTE:

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

6 1981

30-025-27542

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

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

REVISED

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 3/27/82
UNLESS DRILLING UNDERWAY

5A. Indicate Type of Lease
STATE ☐ FILL ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
b. Type of Well
OIL WELL ☐ GAS WELL ☒ OTHER ☐
DRILL ☒ DEEPEN ☐ PLUG BACK ☐
SINGLE ZONE ☒ MULTIPLE ZONE ☐
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 L LOCATED 1210 FEET FROM THE West LINE
AND 1635 FEET FROM THE South LINE OF SEC. 20 TWP. 25-S RSE. 37-E NEB.
14. Proposed Depth
3340 TVD
15A. Direction
Yates-Seven Rivers Rotary
15B. Direction
Rotary
16. Estimated (Show whether DL, RL, etc.)
3040.2 GL
17A. Kind of Casing Used
Multi-well approved
17B. Drilling Contractor
Kenai
22. Approx. Date Work will start
September, 1981

7. Unit Agreement Name
8. Name of Lease Owner
Bates
9. Well No.
3
10. Field and Pool, or Well No.
Jalmat
11. City
Lea

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
14 3/4	10 3/4	40.50	600 TVD	600	Surface
7 7/8	5 1/2	17.00	3340 TVD	1200	Surface

We propose to drill an infill Jalmat well with the bottom hole location 2310 FSL and 1650 FWL of Section 20, T-25-S, R-37-E. The surface at this location is occupied by houses. We propose to locate the rig on a vacant lot 1210 FWL and 1635 FSL of Section 20, T-25-S, R-37-E and deviate the hole to bottom hole location 2035 FSL and 1470 FWL of Section 20, T-25-S, R-37-E at a true vertical depth of 2500 GL. The total depth of the well will be 3340 true vertical depth and will be located 2310 FSL and 1650 FWL of Section 20, T-25-S, R-37-E. A directional survey of the entire well bore will be made when total depth is reached. A hearing is scheduled for August 26, 1981 for approval to deviate this well. From the base of the surface pipe through the running of product 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) The proposed well will be the second well on the existing proration unit consisting of the SW/4 Section 20, and will share an allowable with the Bates No. 1.

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. Manning Title Engineer Date Aug 28, 1981

(This space for State Use)

APPROVED BY [Signature] TITLE [Signature] DATE SEP 2 1981

CONDITIONS OF APPROVAL, IF ANY: Prior to producing this well, approval must be obtained for the unorthodox surface location and directional drilling.

NMOC CASE 7340 - Verbal Approval Granted
10-9-81

**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.

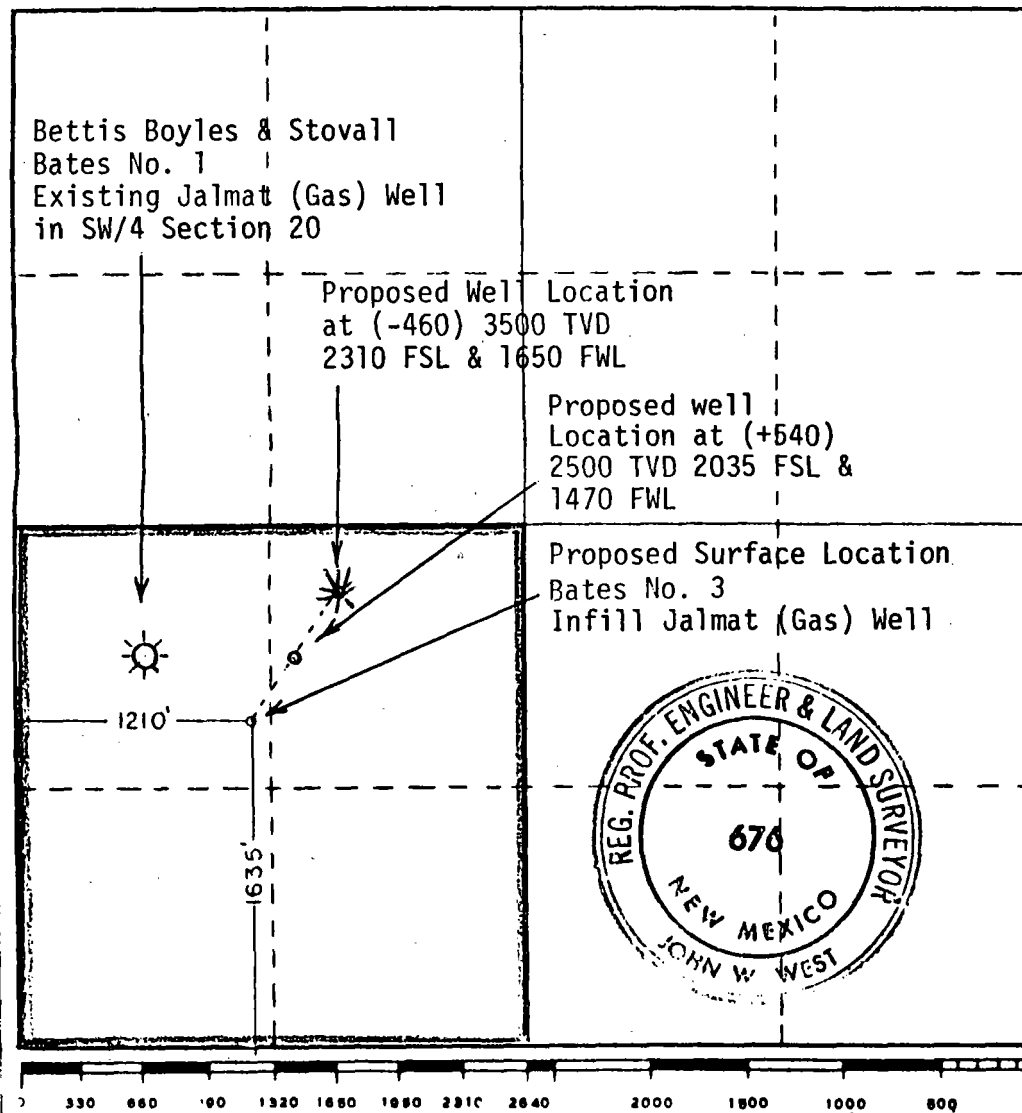
Operator DOYLE HARTMAN			Lease Bates		Well No. 3
Unit Letter L	Section 20	Township 25 SOUTH	Range 37 EAST	County LEA	
Actual Footage Location of Well: 1635 feet from the SOUTH line and 1210 feet from the WEST line.					
Ground Level Elev. 3040.2	Producing Formation Yates		Pool Jalmat	Dedicated Acreage 160	Acres

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?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

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	<i>Larry A. Ramsey</i>
Position	Engineer
Company	Doyle Hartman
Date	<i>Aug 20, 1981</i>
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.	
Date Surveyed	7-28-81
Registered Professional Engineer and/or Land Surveyor	
<i>John W. West</i>	
Certificate No.	JOHN W. WEST 676 PATRICK A. ROMERO 6868 Ronald J. Eidson 3239

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

Bates No. 3
API No. 30-025-27542
1210 FWL & 1635 FSL (M),
Section 20, T-25-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 Bettis, Boyle & Stovall)

Well: Bates No. 1

Location: 1980 FSL & 660 FWL (L), Sec. 20, T-25-S, R-37-E
Lea County, New Mexico

Spud Date: June 21, 1936

Reservoir: Jalmat (Yates)

Production Period: 9-9-36 to present

Cumulative Gas Production: 6-1-81 Cum: 5935 mmcf

Remarks: 1981 Avg. Rate: 20 mcfpd. Enclosed herewith
is our filing for administrative approval
for classifying the subject well (Bates No. 3)
as a Section 103 infill well.

Michelle Hembree
Michelle Hembree
Administrative Assistant

* For clear & concise statement as to necessity
for infill well, see William P. Aycock's letter
dated September 28, 1981 - enclosed.

RADTKE, AYCOCK, & ASSOCIATES, INC.

Petroleum Engineering Consultants

308 WALL TOWERS WEST

MIDLAND, TEXAS 79701

TELEPHONE 915 / 683-5721

September 28, 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 Bates No. 3,
20(18)-25S-37E, Jalmat Pool,
Lea County, New Mexico

Gentlemen:

Attached are the following, submitted in conformance with the
provision 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

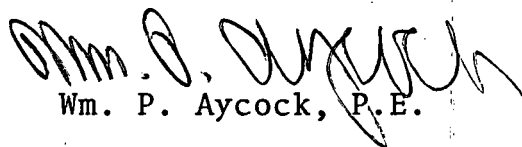
Cross Section A-A'

Cross Section B-B'

Exhibit 4 (with attachments)

Some of this information was presented on August 26, 1981, NMOCD
Case No. 7340.

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

September 28, 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 Bates No. 3
(Formerly Designated City of Jal
No. 1), 20(48)-25S-37E, Jalmat Pool,
Lea County, New Mexico

Gentlemen:

The Special Rules and Regulations, Natural Gas Policy Act Infill Findings Administrative Procedure requires, as a part of Exhibit 4, engineering studies as the predicate for answers to Rules 8.g., 9.b. and 9.c.

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 proration unit, consisting of the 160-acre SW/4, Section 20, Township 25 South, Range 37 East, was (prior to the drilling of the subject well) assigned to the Bettis, Boyle and Stovall Bates No. 1, located 1980' FSL and 660' FWL, 20-25S-37E; this well was originally drilled by Leonard Oil Co. and was completed September 9, 1936, from Yates formation open hole between depths of 2616 feet and 2872 feet. This well was recompleted to the Langlie-Mattix Pool interval of 3082 feet to 3360 feet on June 28, 1940. The well was plugged back to the Jalmat Pool interval of 2747 feet to 2931 feet on November 25, 1953. The final workover documented by O.C.D. files occurred on September 15, 1959, when the well was cleaned out to a depth of 2800 feet and completed between that depth and 2616 feet. This well had produced an accumulative gas volume of 5934.9 MMCF as of May 31, 1981, with reported capacity gas production of between approximately 550 and about 650 MCF per month. This rate is very near the estimated economic limit of production 500 MCF per month, so the anticipated ultimate gas recovery is about 6.0 BCF. Accordingly, the future gas recovery (neglecting the Doyle Hartman Bates No. 3) anticipated from the existing 160-acre proration unit

is small compared to the remaining estimated gas-in-place for the 160 acres of approximately 450 MMCF; the existing well to which this proration is assigned will apparently not recover any substantial amount of this remaining gas-in-place.

Rule 9.b. requires that "...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 Bates No. 3 is approximately 180 MMCF; this increased recovery was derived from the product of the following volumetric parameters:

Original Gas-in-place, MMCF/acre	2.81
Effective Drainage Area, acres	73.5
Estimated Gas Recovery Factor, fraction of original gas-in-place	0.87

These factors were derived from studies of logs for the application well and production and pressure performance, as well as all available well logs, for those of 15 Jalmat Pool wells nearest the application well (see supporting data tabulation) for which the necessary data was available. The studies for the Hartman Bates No. 3 were predicated upon or yielded the following:

Completion Interval 2773 feet to 3337 feet	Well Depth
Mean Porosity, fraction of bulk volume	0.188
Mean Connate Water Saturation fraction of Net Effective Pore Space	0.34
Net Effective Pay Thickness, feet	48.
Static Shut-in Wellhead Pressure, psi	160.

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:

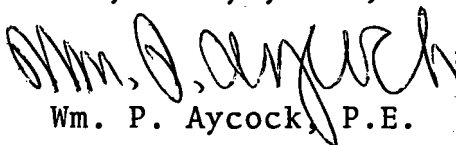
Summary of Individual Well Information, Section
103 Gas Price Application for Doyle Hartman's
City of Jal No. 1 (now designated Bates No. 3)

Jalmat Gas Production Histories and P/Z vs.
Cumulative Production Plots, T-25-S, R-37-E,
Lea County, New Mexico

New Mexico Department of Energy and Minerals
September 28, 1981
Page 3

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. Should you desire anything further in this connection, we should be pleased to furnish it, if it is available.

Very truly yours,


Wm. P. Aycock, P.E.

WPA/bw

Attachments

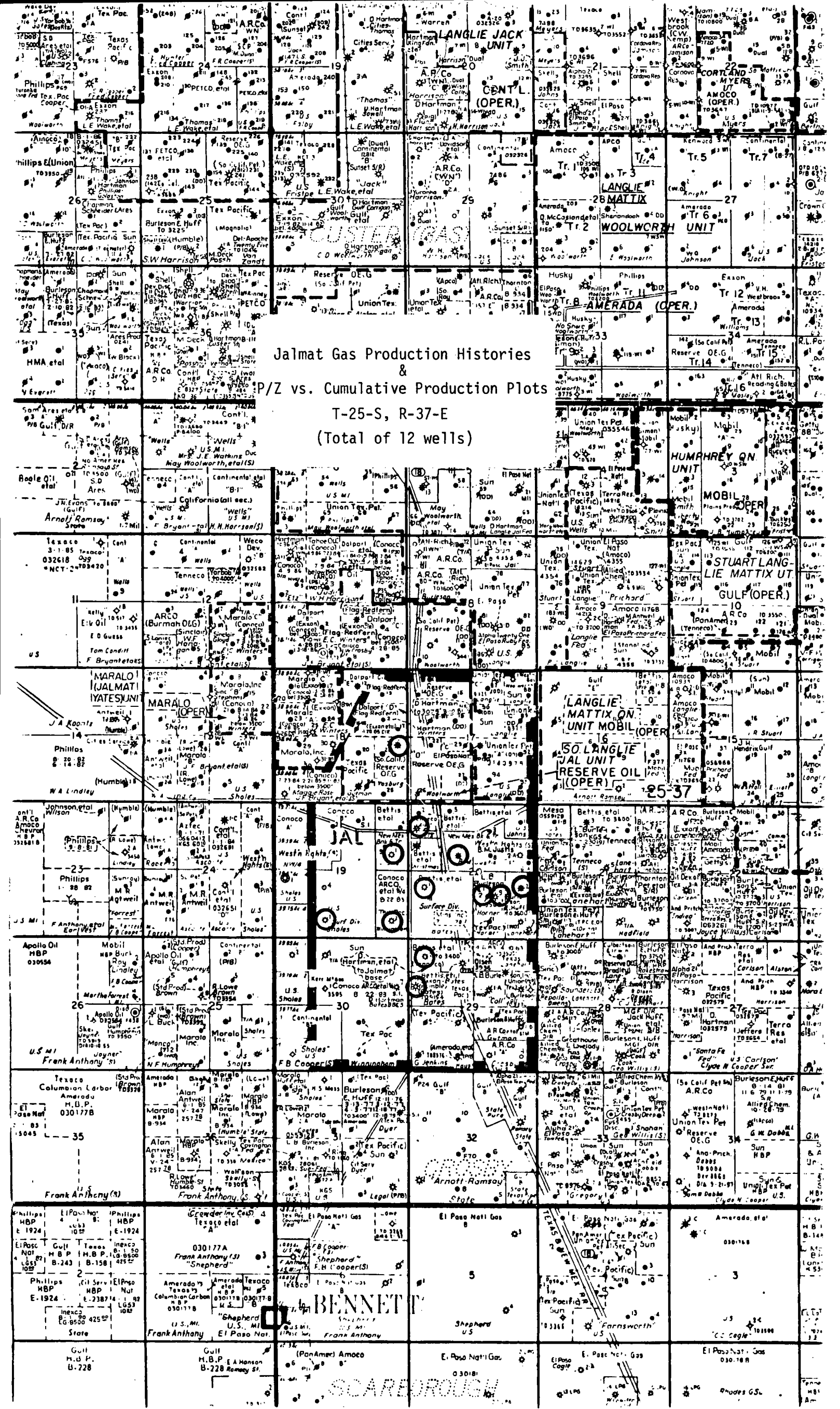
SECTION 103 GAS PRICE APPLICATION FOR DOYLE HARTMAN'S CITY OF JAL NO. 1

LOCATED IN SECTION 20(K)-25-37, JALMAT POOL

LEA COUNTY, NEW MEXICO

OPERATOR WELL NAME & NUMBER	Bettis, Boyle & Stovall			Lewis B. Burleson						Conoco	D. Hartman	Sun Texas Co.			
	Bates #1	Bates #2	Exxon Bates #1	Coll. A #1	Gutman #1	Leonard #1	Leonard #2	Saunders #1	Saunders #2	Sholes B #1	Bates BB&S #1	Winningham #1	Winningham #2	Winningham #3	Winningham #7
LOCATION OF WELL	20(L)-25-37	29(D)-25-37	29(C)-25-37	29(G)-25-37	29(I)-25-37	20(P)-25-37	20(I)-25-37	28(E)-25-37	28(F)-25-37	19(N)-25-37	29(E)-25-37	30(C)-25-37	19(P)-25-37	30(I)-25-37	30(H)-25-37
DISTANCE AND DIRECTION FROM APPLICATION	900' E	3050' SSW	3200' S	4525' SSE	6450' SSE	2350' ESE	3000' E	6050' SE	6675' ESE	5200' WSW	4350' SSW	5900' WSW	2775' SW	6000' SSW	4625' SSW
COMPLETION INTERVAL	2616-2865	2574-2740	2474-2994	2558-2564*	2532-2552*	2707-2757*	2935-3325	2263-2463*	2215-2230*	2662-2945	2692-2762	2675-2889	2648-2841	2730-3022	2711-2816*
COMPLETION DATE	9-11-36	1-22-52	9-18-78	7-30-73	3-29-73	9-20-76	2-10-38	7-10-69	10-20-76	3-22-41	2-06-80	7-25-49	12-06-49		3-01-75
INITIAL CAOF, MCF/DAY	25,500	1,346	10	396	1,102	423	1,630	13,800	1,738	12,000	103	2,130	4,060	1,410	N/A
CUM. PRODUCTION @ 6-1-81															
LIQUIDS, BBL.	-0-	-0-	-0-	-0-	-0-	-0-	85	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
GAS, MMCF	5,935	1,268	-0-	2	381	80	3,225	3,081	453	6,248	146	1,852	1,910	1,637	5
VOLUMETRIC ANALYSIS:															
MEAN EFF. POR., % BULK VOL.	-	-	0.086	0.228	0.191	0.138	0.216	-	-	-	0.106	0.258	0.308	0.183	0.232
MEAN CON. WTR. STN., % NEPS	-	-	0.380	0.211	0.235	0.287	0.217	-	-	-	0.327	0.200	0.176	0.241	0.208
NET EFFECTIVE PAY, FEET	-	-	70	24	21	60	89	-	-	-	38	34	71	130	82
OGIP MMCF/ACRE	-	-	11.1	12.8	9.09	17.46	44.50	-	-	-	1.95	20.7	53.3	53.4	44.6
ESTIMATED OGIP, MMCF	6,336	-	-	5	539	96	4,319	9,119	-	6,350	820	1,876	2,238	-	143
EUR:															
LIQUIDS, BBL.	-0-	-0-	-0-	-0-	-0-	-0-	85	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
GAS, MMCF	5,937	1,268	-0-	2	497	85	3,225	3,081	730	6,248	625	1,852	1,913	1,637	5
EST. ULTIMATE RECOVERY FACTOR	0.94	-	-	0.40	0.92	0.89	0.75	0.34	-	0.98	0.76	0.98	0.85	-	0.03
EST. EFFECT. DRAINAGE AREA, ACRES	-	-	-	1	59	6	97	-	-	-	420	91	42	-	3
SIWHP, PSIA (1980)	136.2	-	-	37.2	-	62.2	31.2	-	Exempt	172.2	-	-	121.2	-	-
ORIGINAL SIWHP	-	-	43.2	43.2	-	1,113.2	-	813.2	-	-	193.2	-	1,263.2	-	288.2
CURRENT WELL STATUS	Prod. Gas Only Carried Under Jalmat Oil	TA 5-69	Never Prod. Commercially Dry Hole	Non- Commercial	Gas Producer	Gas Producer	Non- Commercial	Last Prod. 12-76	Gas Producer	Last Prod. 10-80	Gas Producer	Last Prod. 5-73	Gas Producer	Last Prod. 11-70	Last Prod. 11-77

*Recompletion to Jalmat



GAS PRODUCTION HISTORY

Date _____

Page _____ of _____

Operator: Reserve

Well: Vosburg #1

Location: I-18-25-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: Last Production 10-70

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1970	9	13325	1481	653.7	N/A	N/A	
1969	11	17114	1556	640.4	N/A	N/A	
1968	12	35442	2953	623.3	N/A	N/A	
1967	12	10866	905	587.8	146.2	150	
1966	11	13255	1205	576.9	158.2	165	
1965	11	7511	683	563.7	163.2	170	
1964	12	33943	2829	556.2	168.2	170	
1963	12	17717	1476	522.2	185.2	190	
1962	12	27883	2324	504.5	N/A	N/A	
1961	12	18886	1574	476.6	223.2	230	
1960	12	28083	2340	457.8	261.2	270	
1959	9	16995	1888	429.7	274.2	285	
1958	12	49112	4093	412.7	302	315	
1957	12	57087	4757	363.6	358	380	
1956	12	84454	7038	306.5	N/A	N/A	
1955	9	63255	7028	222.0	670	760	
1954	12	158772	13231	158.8	487	530	

19 69 Detail Summary

Jan.	1896	July	0
Feb.	1612	Aug.	1351
March	1559	Sept.	1705
April	1496	Oct.	1702
May	1383	Nov.	1500
June	1498	Dec.	1412

19 70 Detail Summary

Jan.	1401	July	2201
Feb.	1164	Aug.	1620
March	1788	Sept.	8
April	1796	Oct.	
May	1759	Nov.	
June	1588	Dec.	

Production (Y-T-D) _____

Avg. Rate (Y-T-D) _____

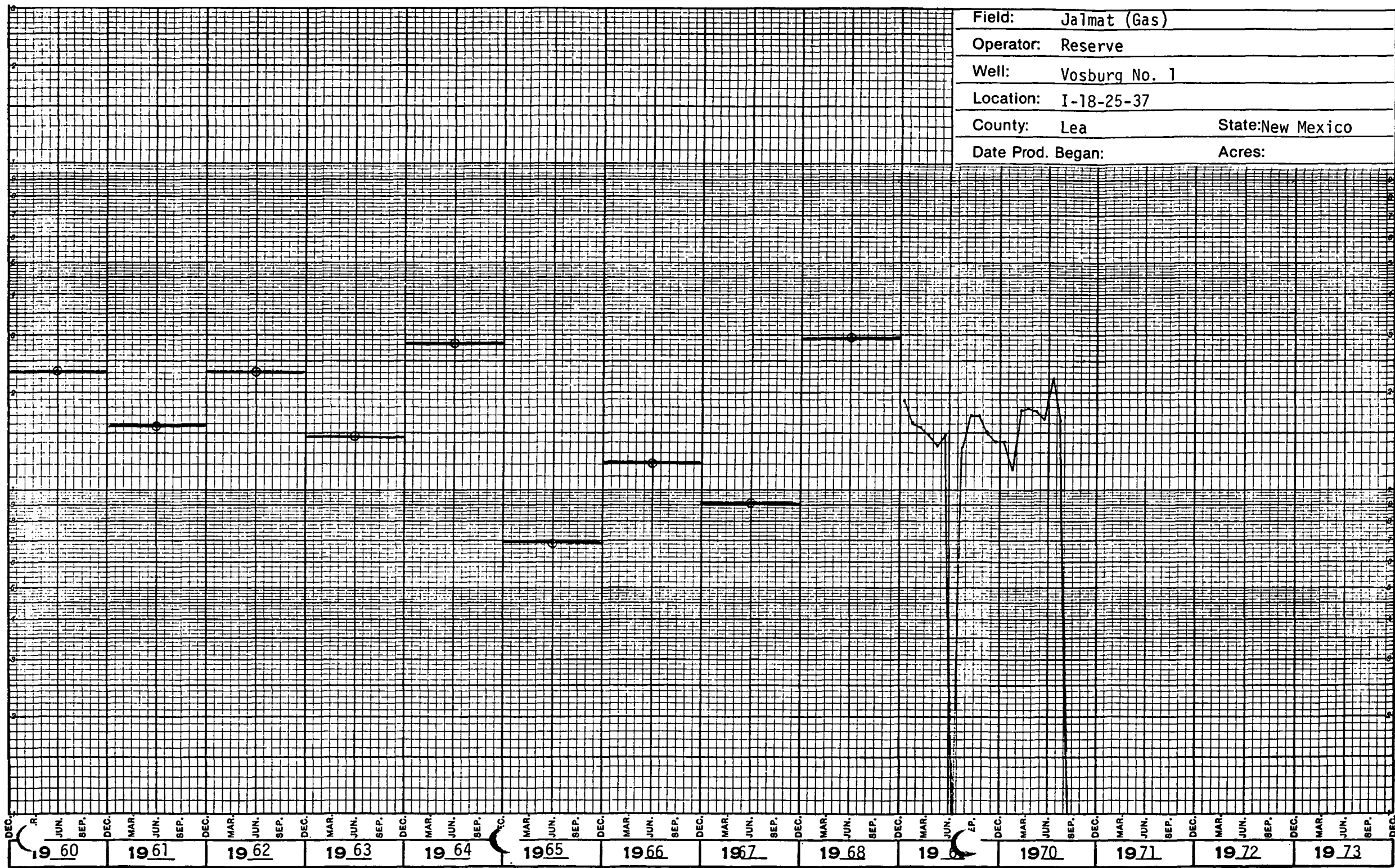
Days or Months (Y-T-D) _____

Gas Production - MCF/month

10000

1000

100

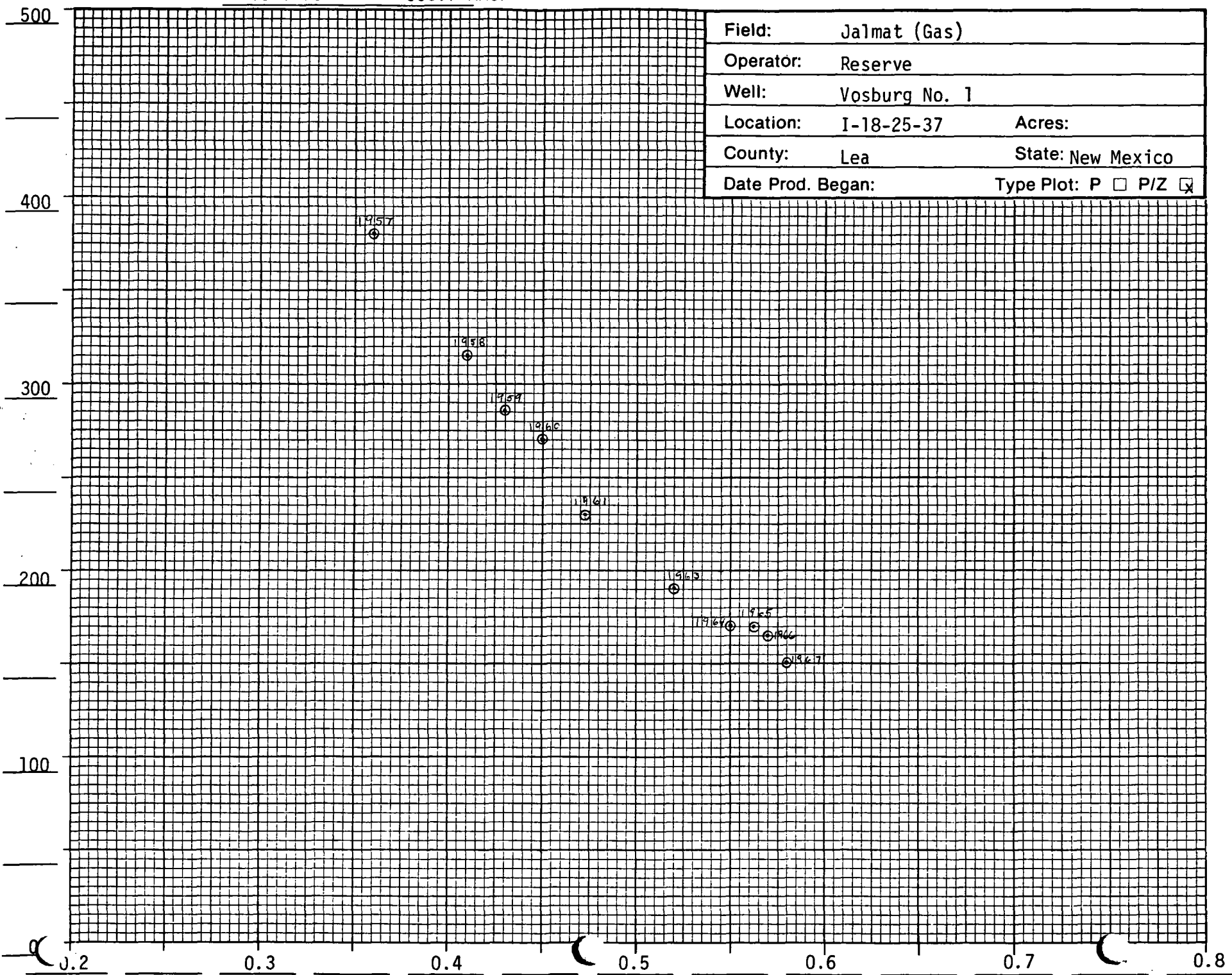


Field:	Jalmat (Gas)		
Operator:	Reserve		
Well:	Vosburg No. 1		
Location:	I-18-25-37		
County:	Lea	State:	New Mexico
Date Prod. Began:	Acres:		

10-1-70 CORR. 033.7 MMCF

Pressure or P/Z - (psia)

Field:	Jalmat (Gas)		
Operator:	Reserve		
Well:	Vosburg No. 1		
Location:	I-18-25-37	Acres:	
County:	Lea	State:	New Mexico
Date Prod. Began:		Type Plot:	P ☐ P/Z ☒



Cumulative Gas Production - (BCF)

GAS PRODUCTION HISTORY

Date 6-25-80

Page 1 of 2

Operator: Bettis, Boyle & Stovall

Well: B. M. Justis No. 1

Location: H-19-25-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: Converted to Jalmat (Oil) in 1975.

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z
1980	12	1426	119	8201.1	N/A	N/A
1979	12	2050	171	8199.7	N/A	N/A
1978	12	1925	160	8197.7	N/A	N/A
1977	11	2694	245	8195.8	N/A	N/A
1976	12	3217	268	8193.1	N/A	N/A
1975	12	4093	341	8189.9	94.2	100
1974	12	2947	246	8185.8	98.2	105
1973	12	3700	308	8182.8	104.2	110
1972	12	4494	374	8179.1	118.2	125
1971	12	3606	300	8174.6	155.2	160
1970	11	3417	311	8171.0	146.2	150
1969	12	4178	348	8167.6	145.2	150
1968	12	5145	429	8163.4	143.2	150
1967	12	5671	473	8158.3	162.2	170
1966	12	5917	493	8152.6	261.2	275
1965	12	14909	1242	8146.7	N/A	N/A
1964	12	29468	2456	8131.8	N/A	N/A
1963	12	49208	4101	8102.3	N/A	N/A
1962	12	35466	2955	8053.1	N/A	N/A
1961	12	21053	1754	8017.6	242.2	255

19 79 Detail Summary

Jan.	147	July	206
Feb.	129	Aug.	178
March	154	Sept.	133
April	185	Oct.	133
May	241	Nov.	116
June	210	Dec.	218

19 80 Detail Summary

Jan.	164	July	91
Feb.	144	Aug.	87
March	152	Sept.	77
April	134	Oct.	103
May	130	Nov.	107
June	124	Dec.	113

Production (Y-T-D) 460 MCF

Avg. Rate (Y-T-D) 153 MCF/mo.

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

GAS PRODUCTION HISTORY

Date 7-23-81

Page 2 of 2

Operator: Bettis, Boyle & Stovall

Well: B. M. Justis No. 1

Location: H-19-25-37

Pool: Jalmat (Oil)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: _____

[illegible]

19_81_____ Detail Summary

Jan. 113 July

Feb. 82 Aug.

March 120 Sept.

April 118 Oct.

May _____ Nov. _____

June _____ Dec. _____

19_____ Detail Summary

Jan. _____ July _____

Feb. _____ Aug. _____

March _____ Sept. _____

April _____ Oct. _____

May _____ Nov. _____

June _____ Dec. _____

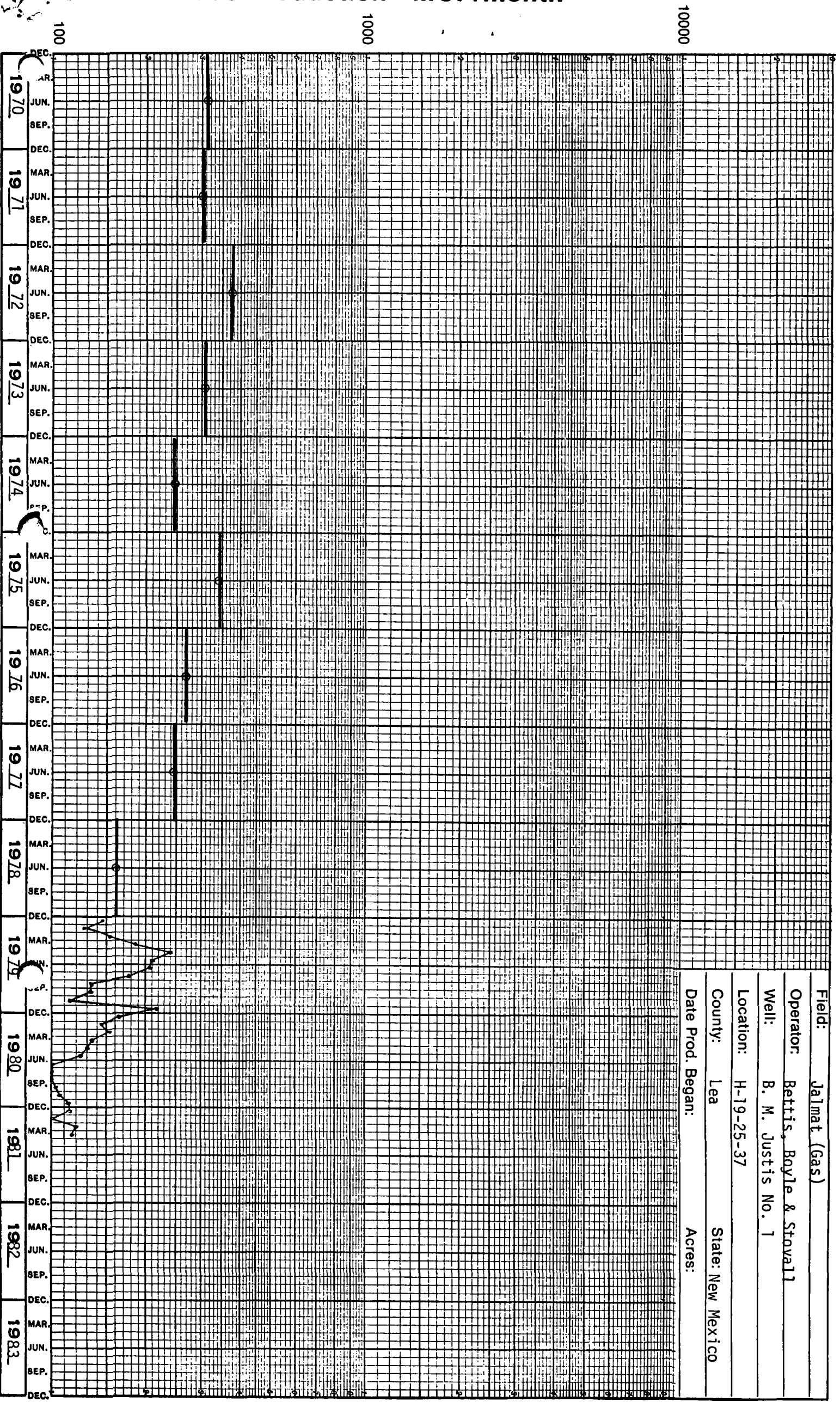
Production (Y-T-D) _____

Avg. Rate (Y-T-D) _____

Days or Months (Y-T-D) _____

H-19-25-37

Gas Production - MCF/month



GAS PRODUCTION HISTORY

Date 7-23-81

Page 1 of 1

Operator: Conoco

Well: Sholes "B-19" No. 1

Location: N-19-25-37

Pool: Jalmat (Gas)

Spud Date: Original Completion Date:

Completion Interval (Gas):

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

Remarks: Last Production 10-80.

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z
1968	10	7387	739	6129.2	252.2	265
1969	11	2966	270	6132.2	183.2	190
1970	12	6659	555	6138.9	210.2	220
1971	12	7377	615	6146.2	198.2	200
1972	12	16175	1348	6162.4	198.2	200
1973	12	20933	1744	6183.3	259.2	270
1974	12	16862	1405	6200.2	212.2	220
1975	12	11766	980	6212.0	192.2	200
1976	11	10254	932	6222.2	211.2	220
1977	9	7596	844	6229.8	246.2	255
1978	12	6540	545	6236.4	208.2	215
1979	12	6239	520	6242.6	203.2	210
1980	10	5484	548	6248.1	172.2	175
1981	0	0	0	6248.1	N/A	N/A

1980 Detail Summary			
Jan.	745	July	638
Feb.	710	Aug.	366
March	733	Sept.	59
April	688	Oct.	9
May	863	Nov.	0
June	673	Dec.	0

19 81 Detail Summary			
Jan.	0	July	
Feb.	0	Aug.	
March	0	Sept.	
April	0	Oct.	
May	0	Nov.	
June		Dec.	

Production (Y-T-D) 5484 MCF Avg. Rate (Y-T-D) 548 MCF/mo.

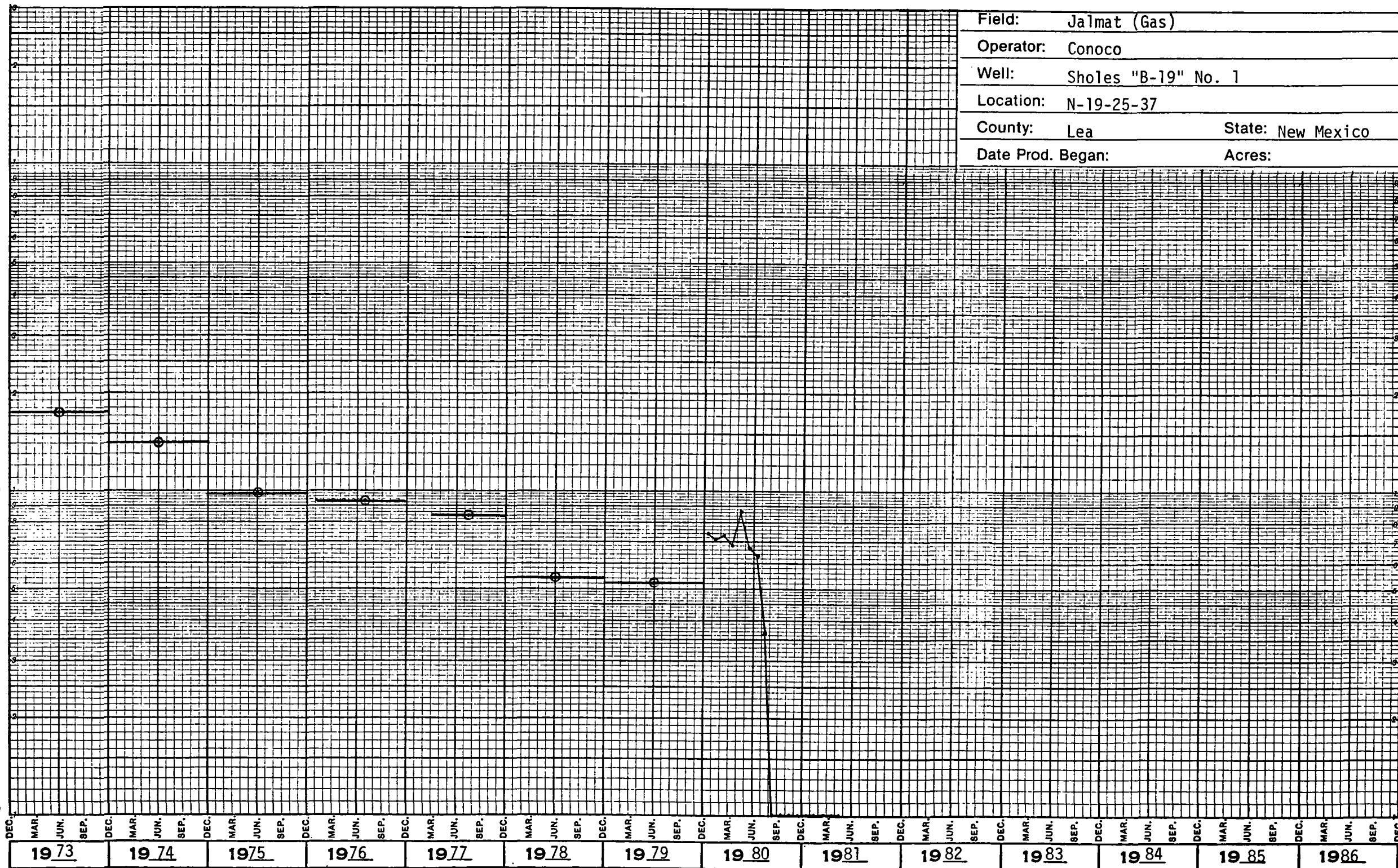
Days or Months (Y-T-D) 10 mos.

Gas Production - MCF/month

10000

1000

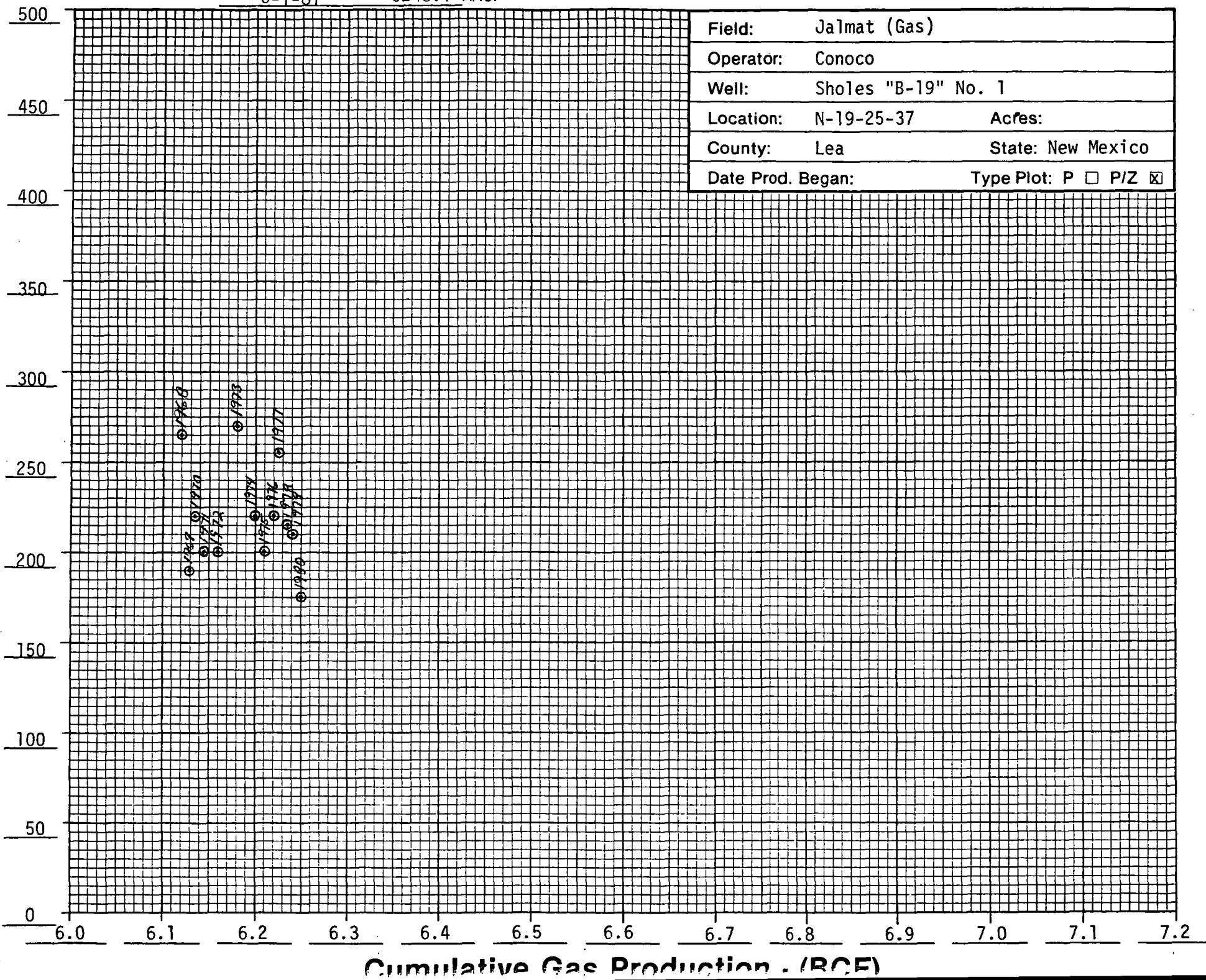
100



Field:	Jalmat (Gas)	
Operator:	Conoco	
Well:	Sholes "B-19" No. 1	
Location:	N-19-25-37	
County:	Lea	State: New Mexico
Date Prod. Began:	Acres:	

6-1-81 Cum. 6248.1 MMCF

Pressure or P/Z - (psia)



Field:	Jalmat (Gas)		
Operator:	Conoco		
Well:	Sholes "B-19" No. 1		
Location:	N-19-25-37	Acres:	
County:	Lea	State:	New Mexico
Date Prod. Began:		Type Plot:	P ☐ P/Z ☒

GAS PRODUCTION HISTORY

Date 12-13-79

Page 1 of 2

Operator: Texas Pacific

Well: Winnigham No. 2

Location: P-19-25-37

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	4651	388	1904.7	133.2	140	
1978	12	18075	1506	1900.1	143.2	150	
1977	12	11990	999	1882.0	153.2	160	
1976	12	7652	638	1870.0	141.2	145	
1975	12	24040	2003	1862.4	134.2	140	
1974	12	46087	3841	1838.3	150.2	155	
1973	12	58770	4898	1792.2	198.2	205	
1972	12	40308	3359	1733.5	188.2	195	
1971	12	13308	1109	1693.2	189.2	195	
1970	12	13843	1154	1679.9	190.2	195	
1969	12	14024	1169	1666.0	185.2	190	
1968	12	14619	1218	1652.0	191.2	195	
1967	12	19977	1665	1637.4	188.2	190	
1966	12	33032	2753	1617.4	140.2	150	
1965	12	36726	3061	1584.4	270.2	290	
1964	12	31634	2636	1547.6	211.2	220	
1963	12	26660	2222	1516.0	219.2	230	
1962	12	20141	1678	1489.3	N/A	N/A	
1961	12	20158	1680	1469.2	243.2	250	
1960	12	26793	2233	1449.0	249.2	265	

19 78 Detail Summary

Jan.	1906	July	1482
Feb.	1691	Aug.	1282
March	1978	Sept.	1448
April	1632	Oct.	1580
May	1774	Nov.	1265
June	1649	Dec.	388

19 79 Detail Summary

Jan.	767	July	350
Feb.	554	Aug.	322
March	400	Sept.	306
April	320	Oct.	354
May	338	Nov.	322
June	309	Dec.	309

Production (Y-T-D) 4651 MCF

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

Avg. Rate (Y-T-D) 388 MCF/mo.

GAS PRODUCTION HISTORY

Date 10-1-80

Page 2 of 2

Operator: Texas Pacific

Well: Winningham No. 2

Location: P-19-25-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: _____

[illegible]**19_80_ Detail Summary**

Jan.	313	July	396
Feb.	276	Aug.	245
March	369	Sept.	231
April	332	Oct.	226
May	437	Nov.	216
June	421	Dec.	243

19 81 Detail Summary

Jan.	220	220	July	
Feb.	220	220	Aug.	
March	243	243	Sept.	
April	250	250	Oct.	
May	246	246	Nov.	
June			Dec.	

Production (Y-T-D) 2544 MCF

Avg. Rate (Y-T-D) 363 MCF/mo.

Days or Months (Y-T-D) 7 mos.

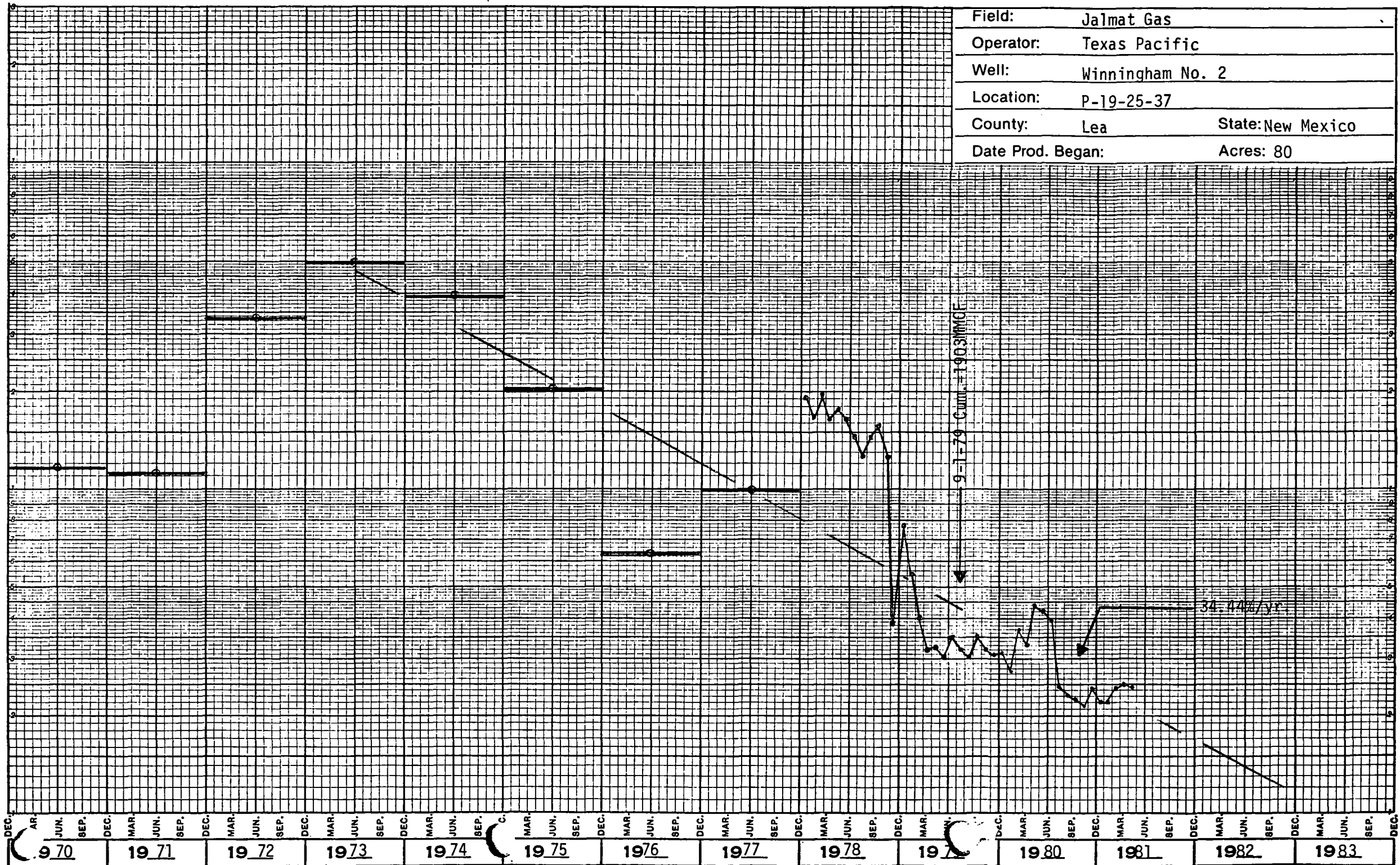
P-19-25-37

Gas Production - MCF/month

10000

1000

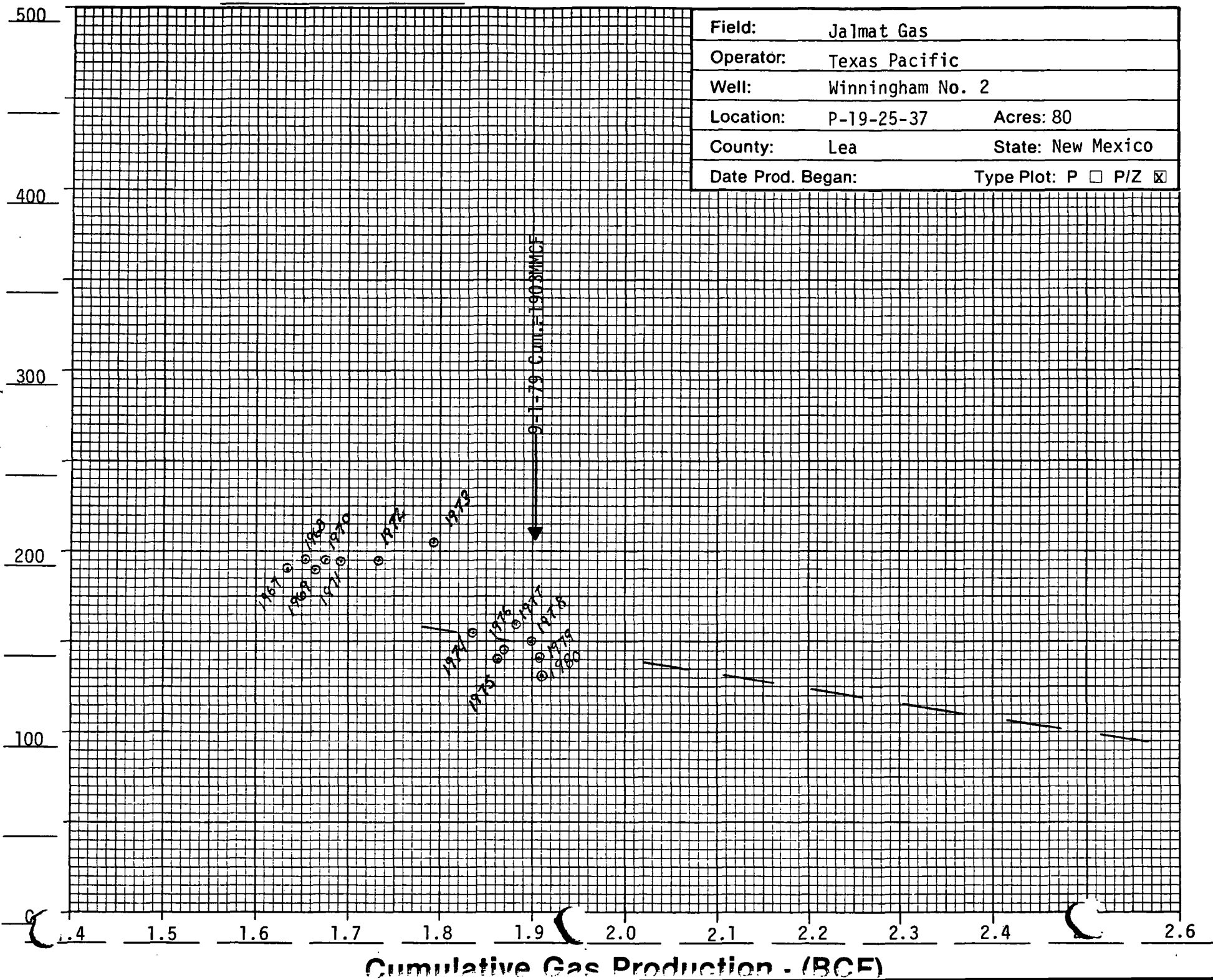
100



9-1-79 Cum. 190.3MMCF

Pressure or P/Z - (psia)

Field:	Jalmat Gas	
Operator:	Texas Pacific	
Well:	Winningham No. 2	
Location:	P-19-25-37	Acres: 80
County:	Lea	State: New Mexico
Date Prod. Began:	Type Plot: P ☐ P/Z ☒	



GAS PRODUCTION HISTORY

Date 6-25-80

Page 1 of 1

Operator: Tenneco Oil

Well: Justis "A" Gas Com. No. 1

Location: D-20-25-37

Pool: Ja'imat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: Plugging Approved 1977.

First Production 7-54.

[illegible]

19_____ Detail Summary

Jan. _____ July _____

Feb. _____ Aug. _____

March _____ Sept. _____

April _____ Oct. _____

May _____ Nov. _____

June _____ Dec. _____

19_66_ Detail Summary

Jan. _____ July _____

Feb. 444 Aug.

March _____ Sept. _____

April _____ Oct. _____

May _____ Nov. _____

June _____ Dec. _____

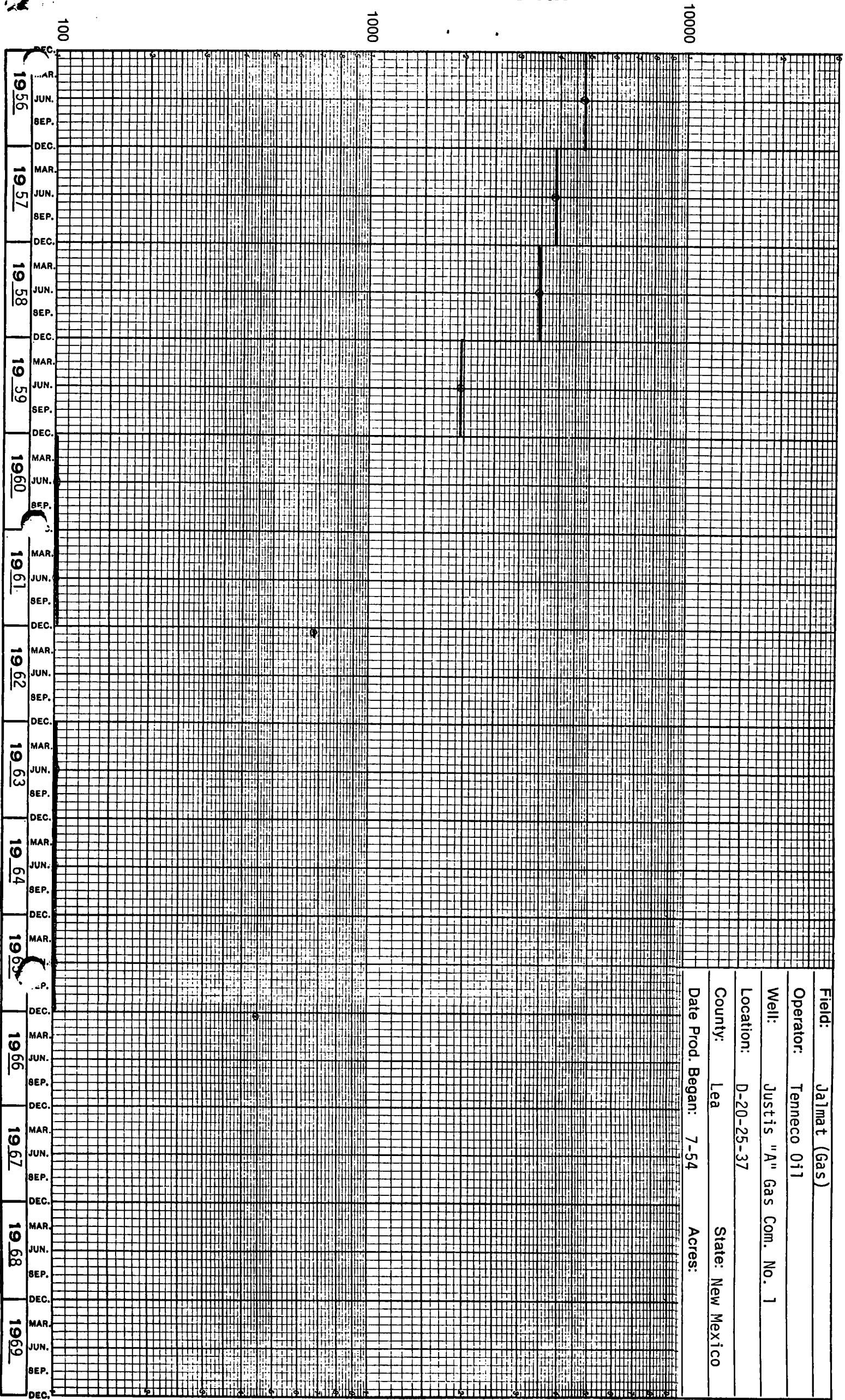
Production (Y-T-D) 444 MCF

Avg. Rate (Y-T-D) 444 MCF/mo.

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

D-20-25-37

Gas Production - MCF/month



Field: Jalmat (Gas)
Operator: Tenneco Oil
Well: Justis "A" Gas Com. No. 1
Location: D-20-25-37
County: Lea State: New Mexico
Date Prod. Began: 7-54 Acres:

GAS PRODUCTION HISTORY

Date 8-14-81

Page 1 of 1

Operator: B B & S

Well: B. M. Justis "B" No. 7

Location: F-20-25-37

Pool: Jalmat (Oil)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: 1974 changed from Jalmat (Gas) to Jalmat (Oil).

[illegible]

19 80 Detail Summary

Jan.	<u>3152</u>	July	<u>2081</u>
Feb.	<u>2890</u>	Aug.	<u>2118</u>
March	<u>3124</u>	Sept.	<u>1391</u>
April	<u>2752</u>	Oct.	<u>0</u>
May	<u>2561</u>	Nov.	<u>0</u>
June	<u>2285</u>	Dec.	<u>47</u>

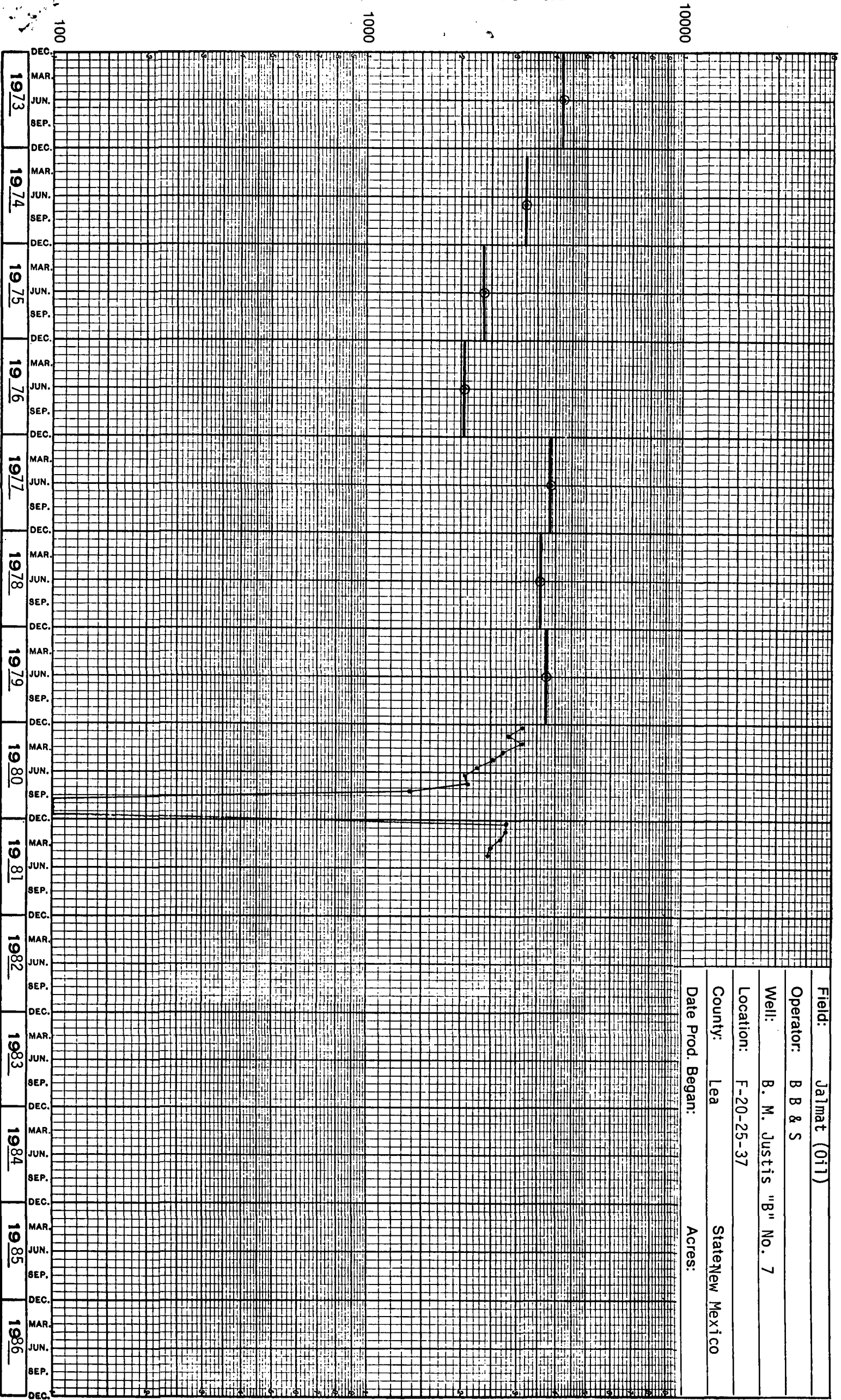
19_81 Detail Summary

Jan.	<u>2800</u>	July	_____
Feb.	<u>2805</u>	Aug.	_____
March	<u>2704</u>	Sept.	_____
April	<u>2503</u>	Oct.	_____
May	<u>2469</u>	Nov.	_____
June	_____	Dec.	_____

Production (Y-T-D) 13281 MCF Avg. Rate (Y-T-D) 2656 MCF/mo.

Days or Months (Y-T-D) 5 mos. F-20-25-37

Gas Production - MCF/month



Field: Jalmat (011)
Operator: B B & S
Well: B. M. Justis "B" No. 7
Location: F-20-25-37
County: Lea State New Mexico
Date Prod. Began: Acres:

GAS PRODUCTION HISTORY

Date 8-14-81

Page 1 of 1

Operator: L. B. Burleson

Well: Leonard No. 2

Location: I-20-25-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: _____

[illegible]

19 80 Detail Summary

Jan. 0 July 40

Feb. 27 Aug. 9

March 58 Sept. 0

April 48 Oct. 28

May 68 Nov. 119

June 85 Dec. 105

19_81_ Detail Summary

Jan. 102 July

Feb. 1 Aug.

March 0 Sept.

April 9 Oct.

May 0 Nov.

June _____ Dec. _____

Production (Y-T-D) 112 MCF

Avg. Rate (Y-T-D) 37 MCF/mo.

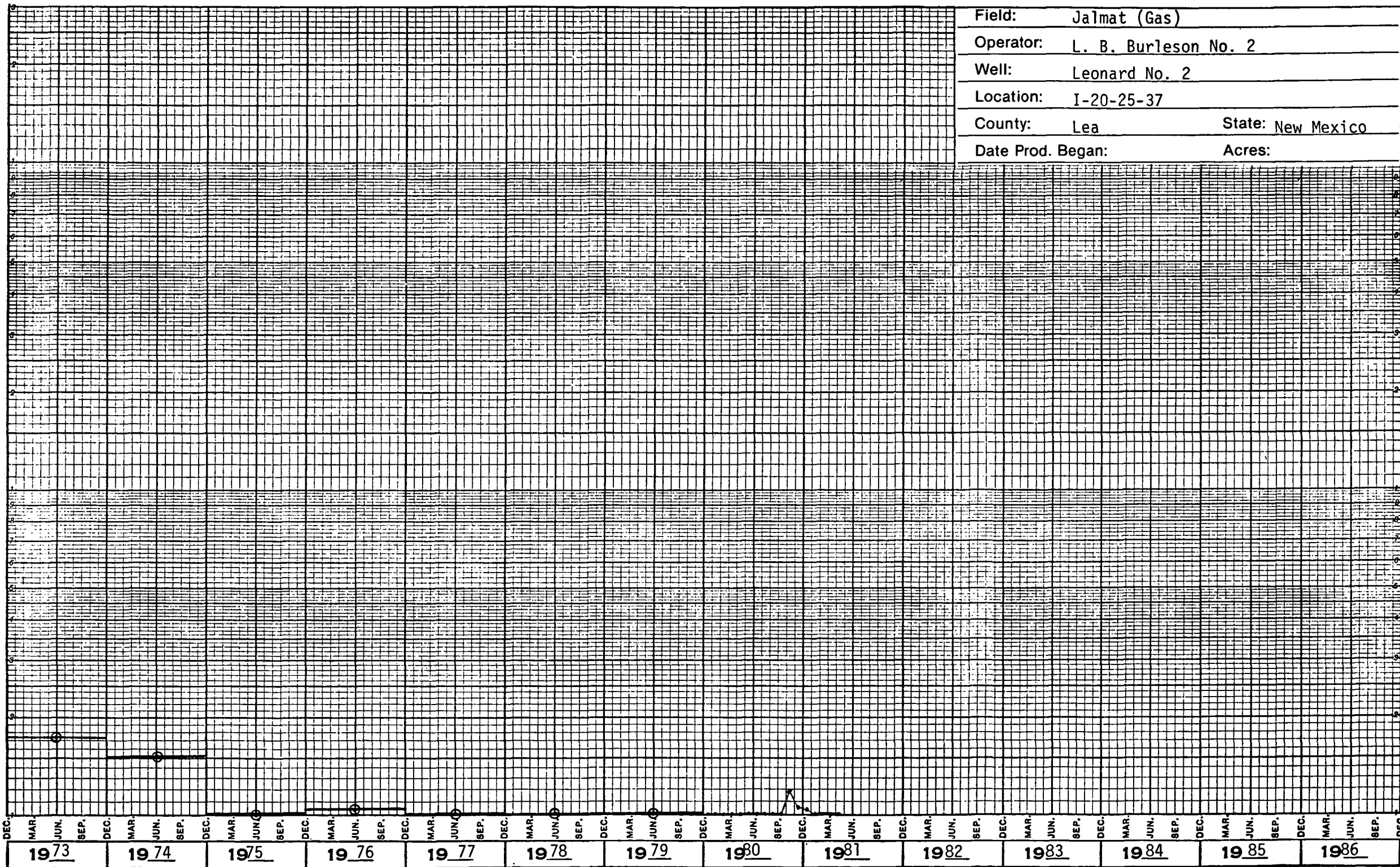
Days or Months (Y-T-D) ... 3 mos.

Gas Production - MCF/month

10000

1000

100



Field:	Jalmat (Gas)		
Operator:	L. B. Burleson No. 2		
Well:	Leonard No. 2		
Location:	I-20-25-37		
County:	Lea	State:	New Mexico
Date Prod. Began:		Acres:	

GAS PRODUCTION HISTORY

Date 8-17-81

Page 1 of 1

Operator: Texas Pacific

Well: Harner No. 2

Location: J-20-25-37

Pool: Jalmat (Oil)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: Plugging Approved 1970.

First Production 10-59.

[illegible]

19_69_ Detail Summary

Jan.	0	July	4760
Feb.	0	Aug.	5042
March	0	Sept.	1751
April	5642	Oct.	3684
May	5709	Nov.	5315
June	4957	Dec.	398

19_____ Detail Summary

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

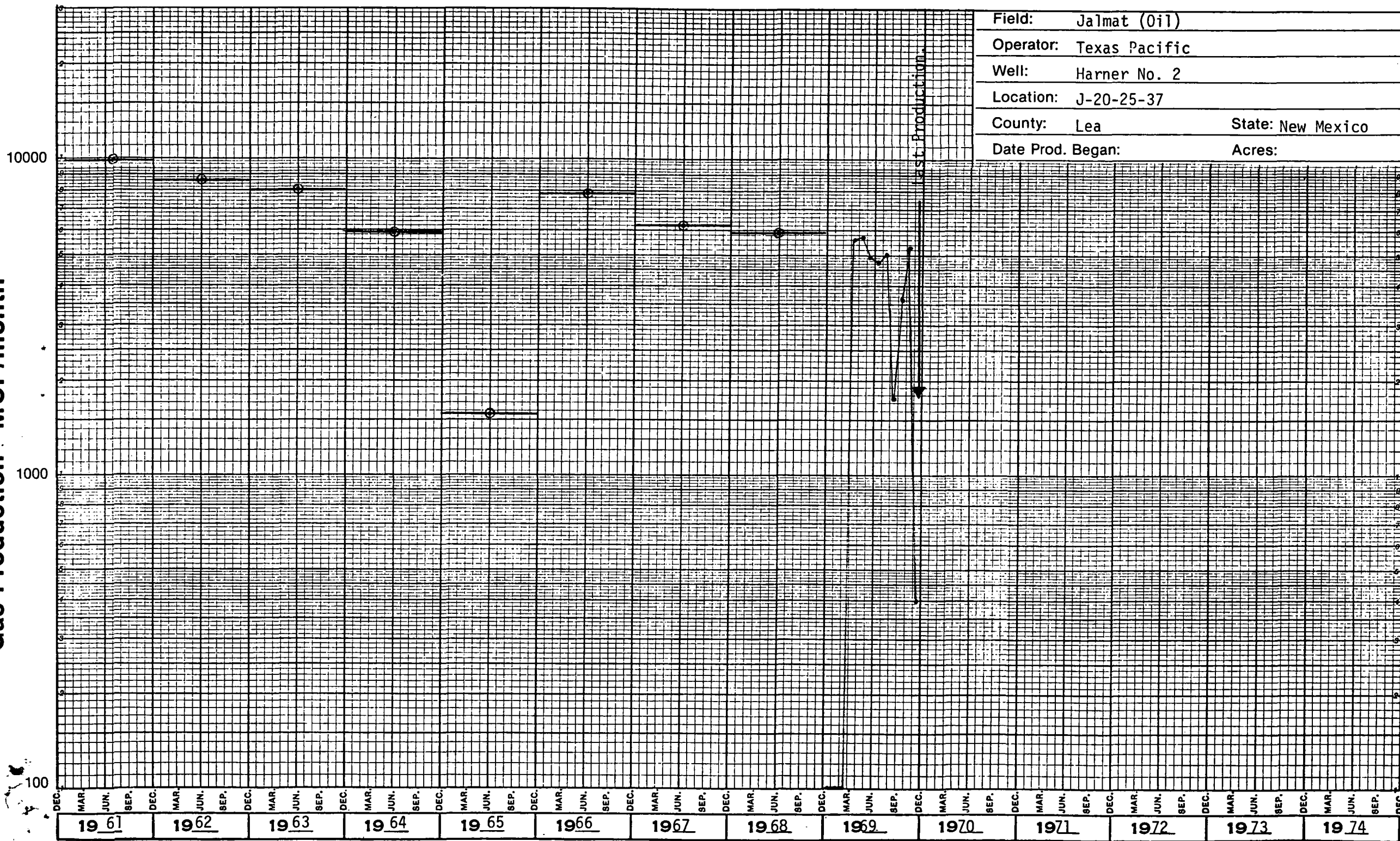
Production (Y-T-D) 37258 MCF

Avg. Rate (Y-T-D) 4140 MCF/mo.

Days or Months (Y-T-D) 9 mos.

J-20-25-37

Gas Production - MCF/month



Field:	Jalmat (Oil)		
Operator:	Texas Pacific		
Well:	Harner No. 2		
Location:	J-20-25-37		
County:	Lea	State:	New Mexico
Date Prod. Began:		Acres:	

GAS PRODUCTION HISTORY

Date 7-23-81

Page 1 of 1

Operator: Lewis B. Burleson

Well: Horner No. 3

Location: J-20-25-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: First Production 10-79.

[illegible]**1980 Detail Summary**

Jan.	838	July	0
Feb.	914	Aug.	298
March	1068	Sept.	386
April	424	Oct.	354
May	9	Nov.	567
June	1	Dec.	557

1981_____ Detail Summary

Jan.	<u>508</u>	July	<u> </u>
Feb.	<u>427</u>	Aug.	<u> </u>
March	<u>163</u>	Sept.	<u> </u>
April	<u>399</u>	Oct.	<u> </u>
May	<u>491</u>	Nov.	<u> </u>
June	<u> </u>	Dec.	<u> </u>

Production (Y-T-D) 1988 MCF

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

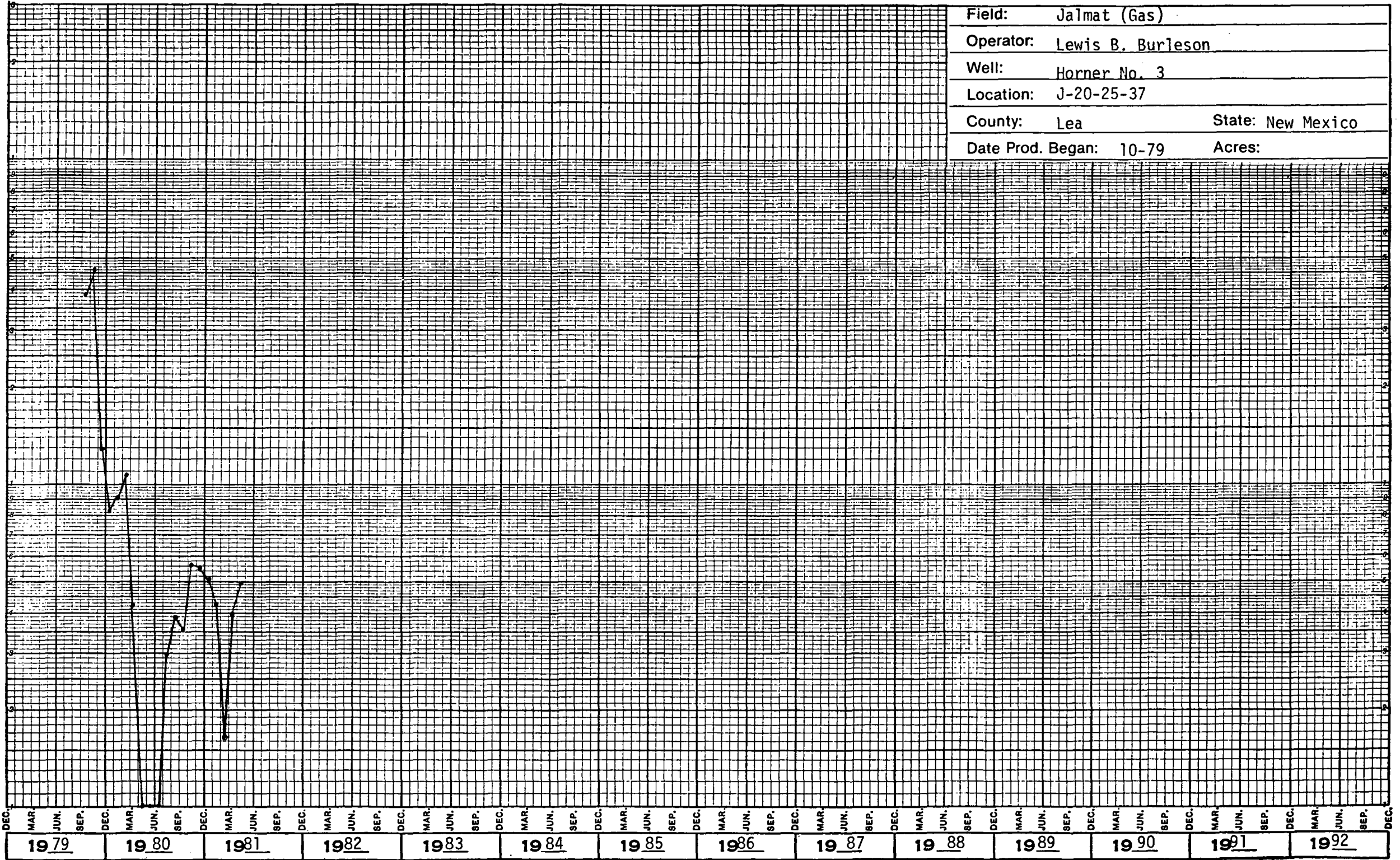
Avg. Rate (Y-T-D) 398 MCF/mo.

Gas Production - MCF/month

10000

1000

100



Field:	Jalmat (Gas)		
Operator:	Lewis B. Burleson		
Well:	Horner No. 3		
Location:	J-20-25-37		
County:	Lea	State:	New Mexico
Date Prod. Began:	10-79	Acres:	

GAS PRODUCTION HISTORY

Date 6-18-81

Page 1 of 1

Operator: B B & S

Well: Bates No. 1

Location: L-20-25-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: _____

[illegible]1980 Detail Summary

Jan.	<u>498</u>	July	<u>623</u>
Feb.	<u>598</u>	Aug.	<u>608</u>
March	<u>652</u>	Sept.	<u>579</u>
April	<u>601</u>	Oct.	<u>587</u>
May	<u>621</u>	Nov.	<u>572</u>
June	<u>588</u>	Dec.	<u>584</u>

19_81_____ Detail Summary

Jan.	<u>647</u>	July	<u> </u>
Feb.	<u>558</u>	Aug.	<u> </u>
March	<u>548</u>	Sept.	<u> </u>
April	<u>651</u>	Oct.	<u> </u>
May	<u>618</u>	Nov.	<u> </u>
June	<u> </u>	Dec.	<u> </u>

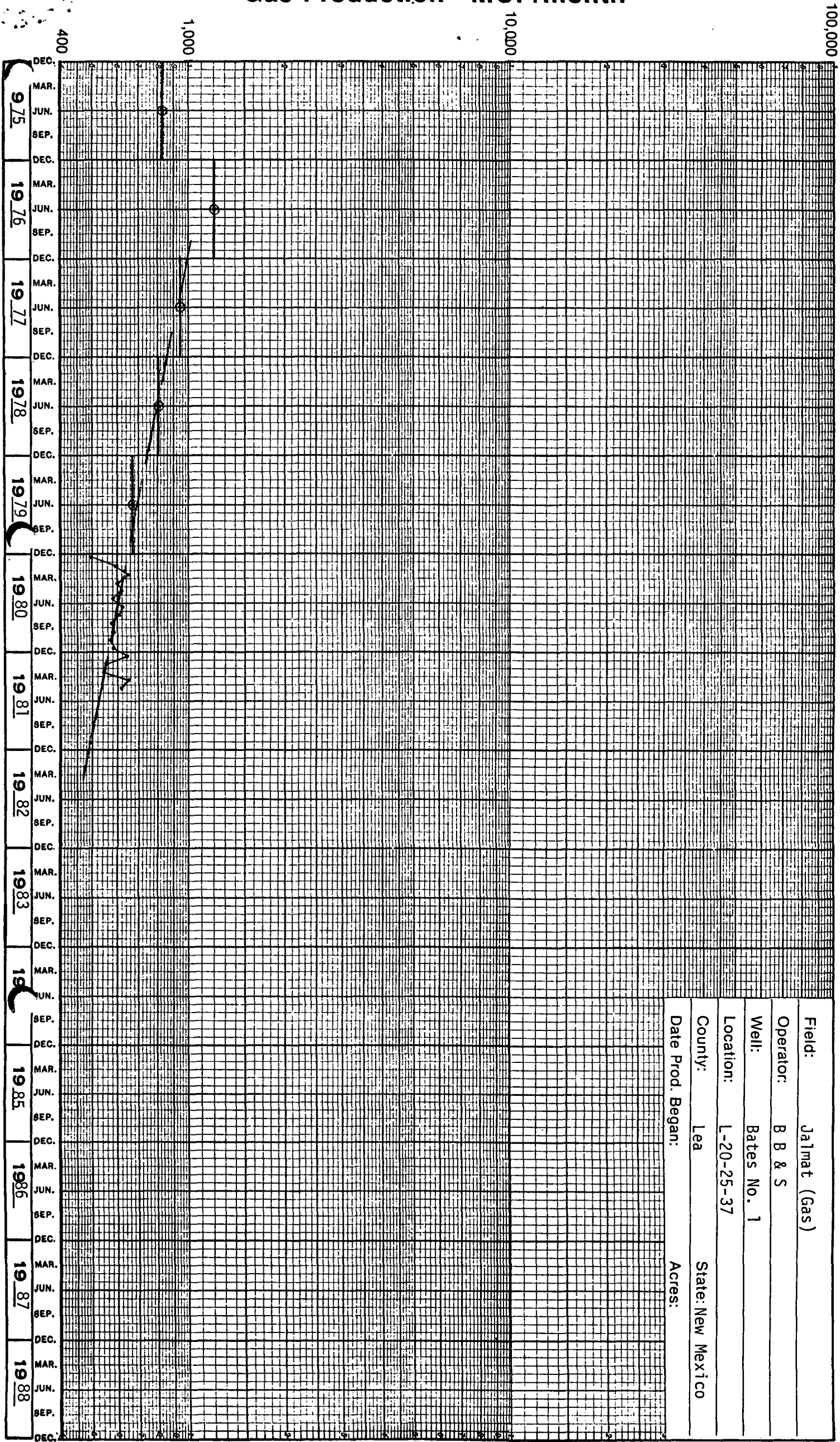
Production (Y-T-D) 1753 MCF

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

Avg. Rate (Y-T-D) 584 MCF/mo.

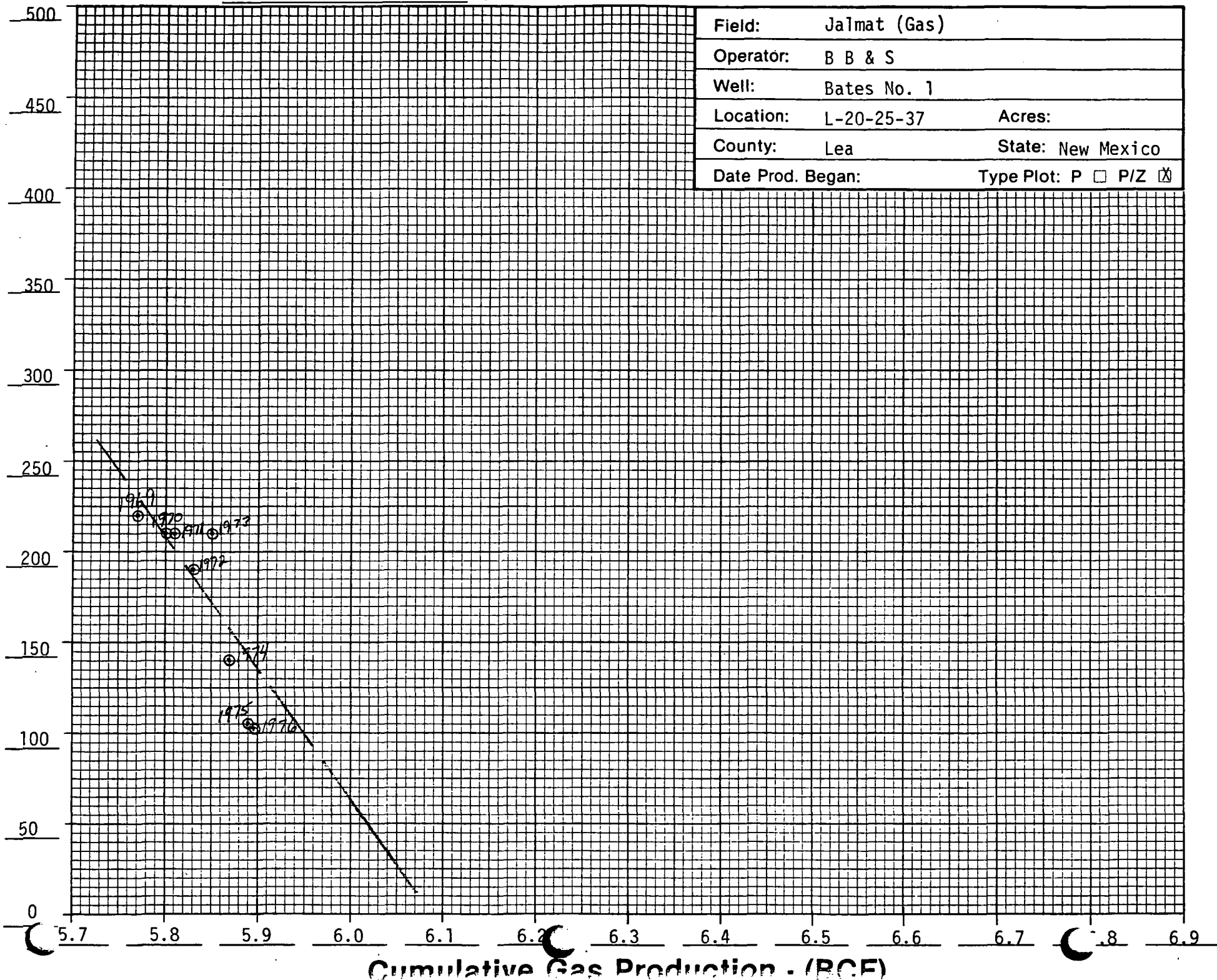
Gas Production - MCF/month

4-1-81 Cum: 5933.7 MMCF



4-1-81 Cum-5933.7 MMCF

Pressure or P/Z - (psia)



Field:	Jalmat (Gas)		
Operator:	B B & S		
Well:	Bates No. 1		
Location:	L-20-25-37	Acres:	
County:	Lea	State:	New Mexico
Date Prod. Began:		Type Plot:	P ☐ P/Z ☒

Cumulative Gas Production - (BCF)

GAS PRODUCTION HISTORY

Date 12-12-79

Page 1 of 1

Operator: B. B. S.

Well: Bates No. 2

Location: D-29-25-37

Pool: Jalmat Gas

Spud Date: Original Completion Date:

Completion Interval (Gas):

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

Remarks: 5-52 First Production

6-69 Last Production

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/MO.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1969	4	2706	677	1268.1	178.2	190	
1968	12	11294	941	1265.3	206.2	210	
1967	3	5216	1739	1254.1	236.2	245	
1966	12	14811	1234	1248.8	218.2	230	
1965	12	13563	1130	1234.0	N/A	N/A	
1964	12	15588	1299	1220.5	N/A	N/A	
1963	12	26929	2244	1204.9	N/A	N/A	
1962	12	37538	3128	1177.9	N/A	N/A	
1961	12	42187	3516	1140.4	282.0	290	
1960	6	27984	4664	1098.2	313.2	330	
1959	8	34950	4369	1070.2	287.2	310	
1958	11	122596	11145	1035.3	314.0	330	
1957	12	156838	13070	912.7	410.0	445	
1956	12	166650	13888	755.9	N/A	N/A	
1955	12	91231	7603	589.2	517.0	570	
1954	12	176018	14668	498.0	546.0	600	
1953	12	142246	11854	322.0	605.0	680	
1952	8	179706	22463	179.7	632.0	715	

19 68 Detail Summary

Jan.	950	July	1109
Feb.	954	Aug.	997
March	1121	Sept.	1085
April	1115	Oct.	451
May	1165	Nov.	540
June	1087	Dec.	720

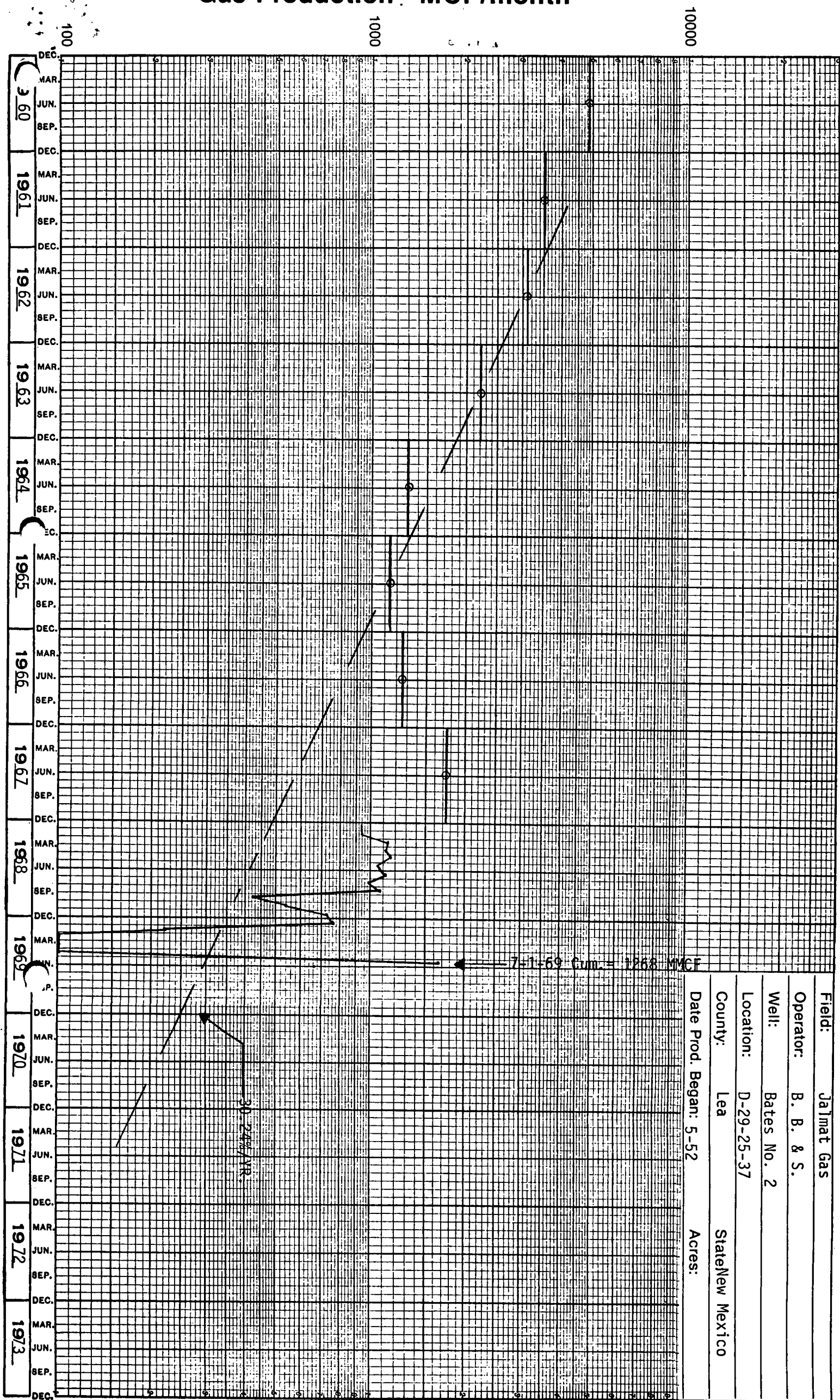
Production (Y-T-D) 2706 MCF
Days or Months (Y-T-D) 4 Mo

19 69 Detail Summary

Jan.	762	July	
Feb.	243	Aug.	
March	39	Sept.	
April	-0-	Oct.	
May	-0-	Nov.	
June	1662	Dec.	

Avg. Rate (Y-T-D) 677 MCF/MO

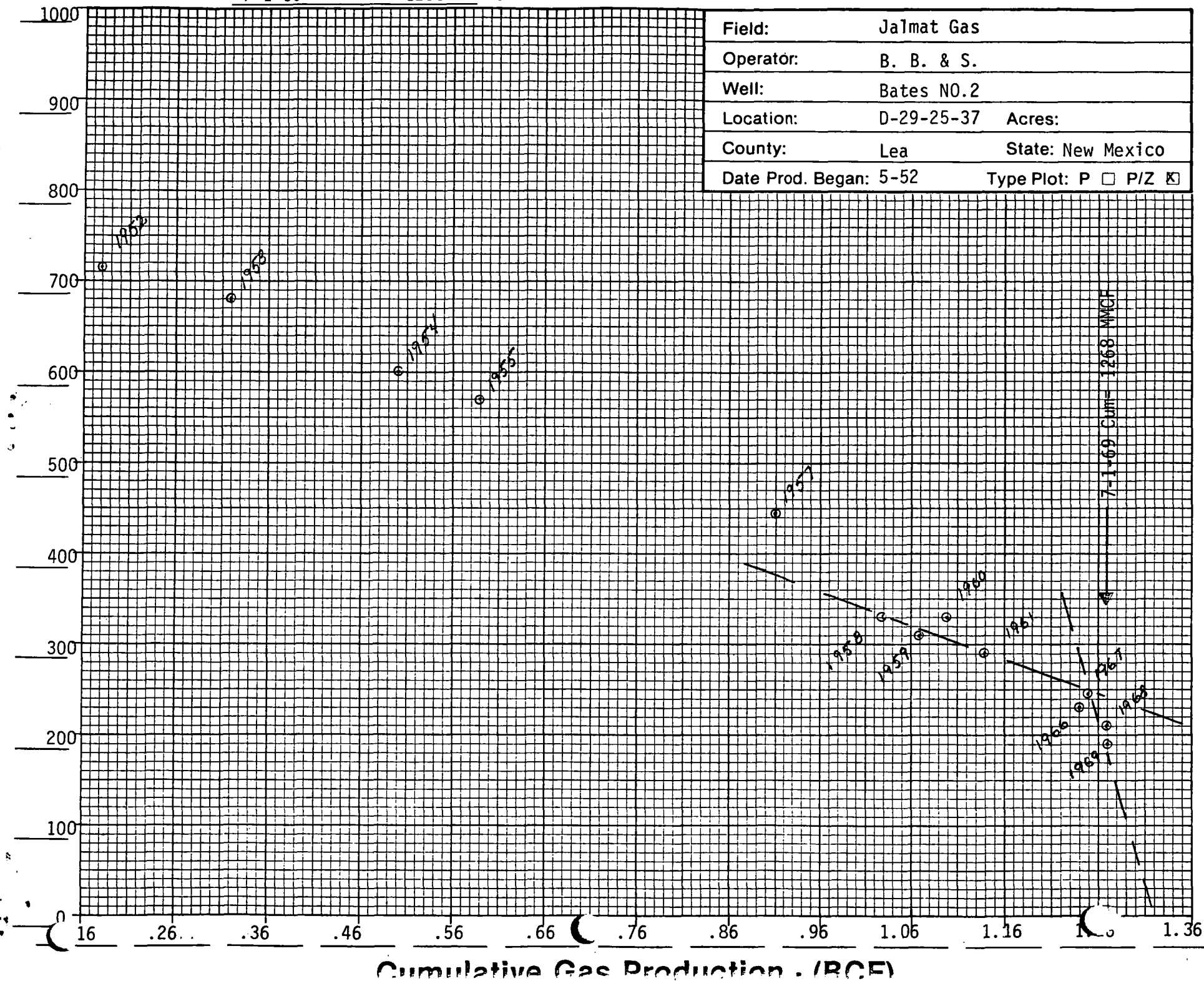
Gas Production - MCF/month



7-1-69 Cum. 1268.1 MMCF

Field:	Jalmat Gas	
Operator:	B. B. & S.	
Well:	Bates NO.2	
Location:	D-29-25-37	Acres:
County:	Lea	State: New Mexico
Date Prod. Began:	5-52	Type Plot: P ☐ P/Z ☒

Pressure or P/Z - (psia)



GAS PRODUCTION HISTORY

Date 12-15-80

Page 1 of 1

Operator: Doyle Hartman

Well: Bates B B & S No. 1

Location: E-29-25-37

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 _____ 9369
Feb. _____	Aug. _____ 10272
March _____ 10672	Sept. _____ 9411
April _____ 11522	Oct. _____ 10375
May _____ 10128	Nov. _____ 9649
June _____ 9553	Dec. _____ 8790

19_81_____ Detail Summary

Jan.	10233	July	
Feb.	8980	Aug.	
March	9755	Sept.	
April	8437	Oct.	
May	8770	Nov.	
June	8497	Dec.	

Production (Y-T-D) 54672 MCF

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

Avg. Rate (Y-T-D) 9112 MCF/mo.

12-1-80 Cum: 90.9 MMCF

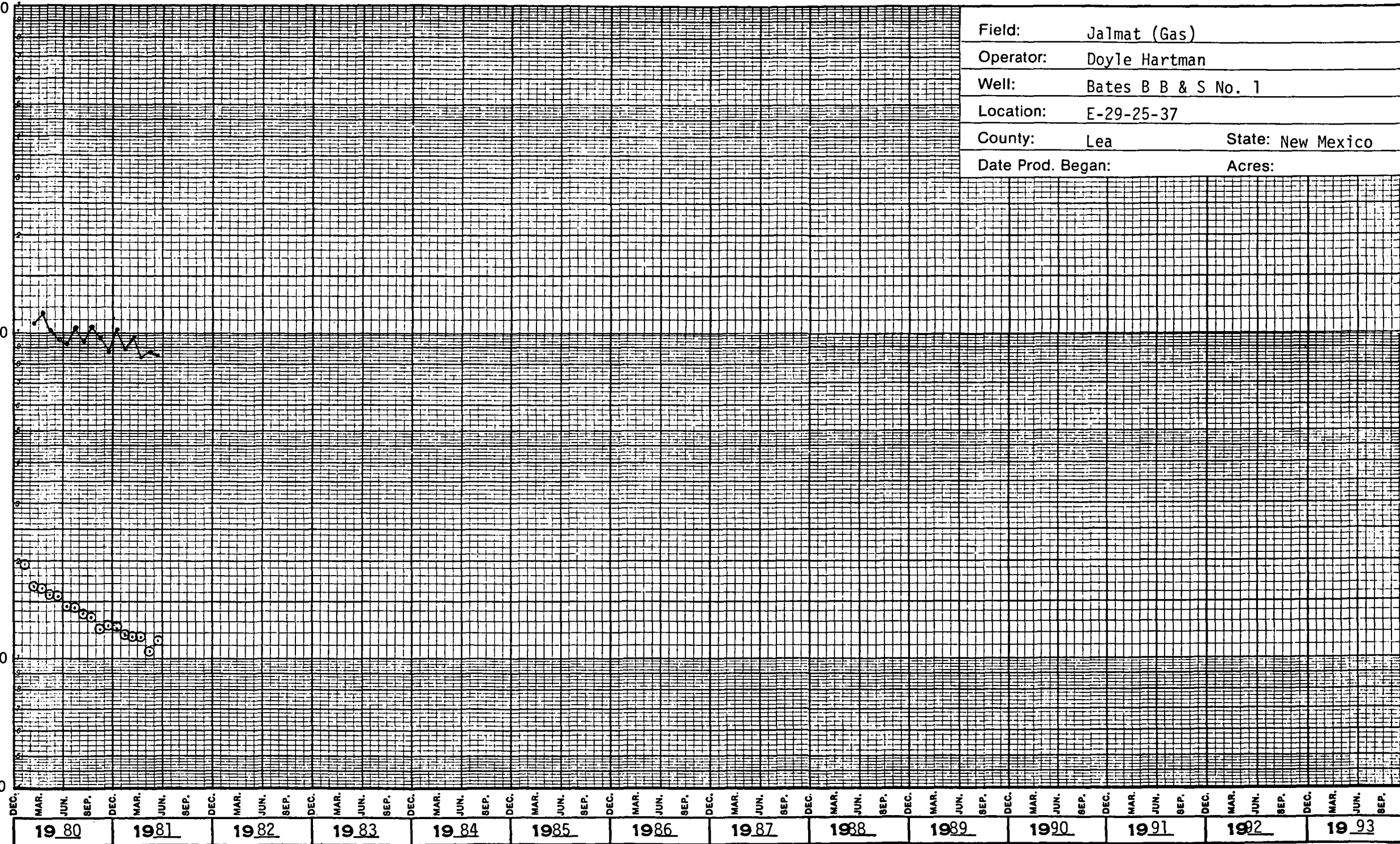
100,000

10,000

1,000

400

Gas Production - MCF/month



DOYLE HARTMAN

Oil Operator

500 N. MAIN

P. O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

November 23, 1981

Offset Jalmat (Gas) Operators
Bates No. 3
API No. 30-025-27542
1210 FWL & 1635 FSL (M)
Section 20, T-25-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 Bates No. 3. The proration unit to which the Bates No. 3 is dedicated is SW/4 Section 20, and the Bates No. 1 (L-20-25S-37E) is located on the tract along with the application well.

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

Approved this _____ day of _____, 1981.

Bettis, Boyle and Stovall

Lewis B. Burleson

Sun-Texas

List of Offset Jalmat (Gas) Operators

Doyle Hartman
Bates No. 3
L-20-25S-37E
(SW/4 Section 20, T-25-S, R-37-E)
Lea County, New Mexico

Operator	Well Name	Well Location	Proration Unit	No. of Acres
Bettis, Boyle and Stovall	B. M. Justis No. 1	H-19-25S-37E	SE/4 NE/4 Sec. 19	40
Bettis, Boyle and Stovall	Christmas No. 1	E-20-25S-37E	SW/4 NW/4 Sec. 20	40
Bettis, Boyle and Stovall	B. M. Justis No. 7	F-20-25S-37E	SE/4 NW/4 Sec. 20	40
Bettis, Boyle and Stovall	B. M. Justis No. 8	G-20-25S-37E	SW/4 NE/4 Sec. 20	40
Lewis B. Burleson	Horner No. 3	J-20-25S-37E	W/2 SE/4 Sec. 20	80
Lewis B. Burleson	Coll "A" No. 1	G-29-25S-37E	NE/4 Sec. 29	160
Bettis, Boyle and Stovall	Exxon-Bates No. 1	C-20-25S-37E	NE/4 NW/4 Sec. 29	40
Doyle Hartman	Bates-BB&S No. 1	E-20-25S-37E	NW/4 NW/4, S/2 NW/4 Sec. 29	120
Sun Texas	Winningham No. 2	P-19-25S-37E	E/2 SE/4 Sec. 19	80
Sun Texas	Winningham No. 1	C-30-25S-37E	E/2 & E/2 NW/4	400
	Winningham No. 3	I-30-25S-37E	Sec. 30	
	Winningham No. 7	H-30-25S-37E		

DOYLE HARTMAN

Oil Operator

500 N. MAIN

P. O. BOX 10428

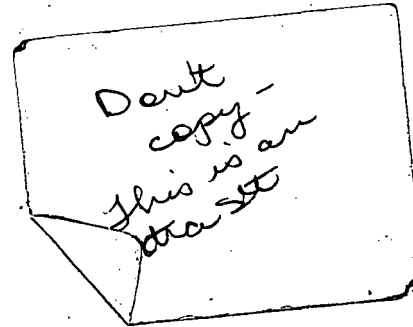
MIDLAND, TEXAS 79702

(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
Bates No. 3
API No. 30-025-27542
1210 FWL & 1635 FSL (M)
Section 20, T-25-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 Bates No. 3 located Unit M, Section 20, T-25-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 (Gas), and the standard spacing unit therefor is 160 acres.
- Rule 7 The number of the Division order approving the non-standard proration unit dedicated to the well is NSP-1065. The number of the Division order authorizing us to simultaneously dedicate a 160-acre proration unit comprising the SW/4 of Section 20, T-25-S, R-37-E, NMPM to our Bates Well No. 1 in Unit L and our Bates Well No. 3 in Unit M of said Section 20 is SD-81-7.
- 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 September 28, 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

30-025-27542

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FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

REVISED

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 3/27/82
UNLESS DRILLING UNDERWAY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL ☐ GAS WELL ☒ OTHER ☐ c. Name of Operator Doyle Hartman, Oil Operator d. Address of Operator P. O. Box 10426, Midland, Texas 79702 e. Location of Well UNIT LETTER <u>M</u> LOCATED <u>1210</u> FEET FROM THE <u>West</u> LINE <u>1635</u> FEET FROM THE <u>South</u> LINE SECTION <u>20</u> T- <u>25-S</u> R- <u>37-E</u> f. Estimated Depth 3340 TVD g. Formation Yates-Seven Rivers h. Direction of Well Rotary i. Lease No. Jalmat k. Lease Name Lea l. Estimated Depth 3040.2 GL m. Estimated Depth Multi-well approved n. Drilling Contractor Kenai o. Approximate Date of Completion September, 1981	
--	--

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
14 3/4	10 3/4	40.50	600 TVD	600	Surface
7 7/8	5 1/2	17.00	3340 TVD	1200	Surface

We propose to drill an infill Jalmat well with the bottom hole location 2310 FSL and 1650 FWL of Section 20, T-25-S, R-37-E. The surface at this location is occupied by houses. We propose to locate the rig on a vacant lot 1210 FWL and 1635 FSL of Section 20, T-25-S, R-37-E and deviate the hole to bottom hole location 2035 FSL and 1470 FWL of Section 20, T-25-S, R-37-E at a true vertical depth of 2500 GL. The total depth of the well will be 3340 true vertical depth and will be located 2310 FSL and 1650 FWL of Section 20, T-25-S, R-37-E. A directional survey of the entire well bore will be made when total depth is reached. A hearing is scheduled for August 26, 1981 for approval to deviate this well. From the base of the surface pipe through the running of product 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) The proposed well will be the second well on the existing proration unit consisting of the SW/4 Section 20, and will share an allowable with the Bates No. 1.

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. Manning Title Engineer Date Aug 28, 1981
(This space for State Use)

APPROVED BY [Signature] TITLE [Signature] DATE SEP 2 1981

CONDITIONS OF APPROVAL, IF ANY: Prior to producing this well, approval must be obtained for the unorthodox surface location and directional drilling.

NMOC CASE 7340 - Verbal Approval Granted
10-9-81

MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-102
 Superseded L-128
 Effective 1-1-65

All distances must be from the outer boundaries of the Section

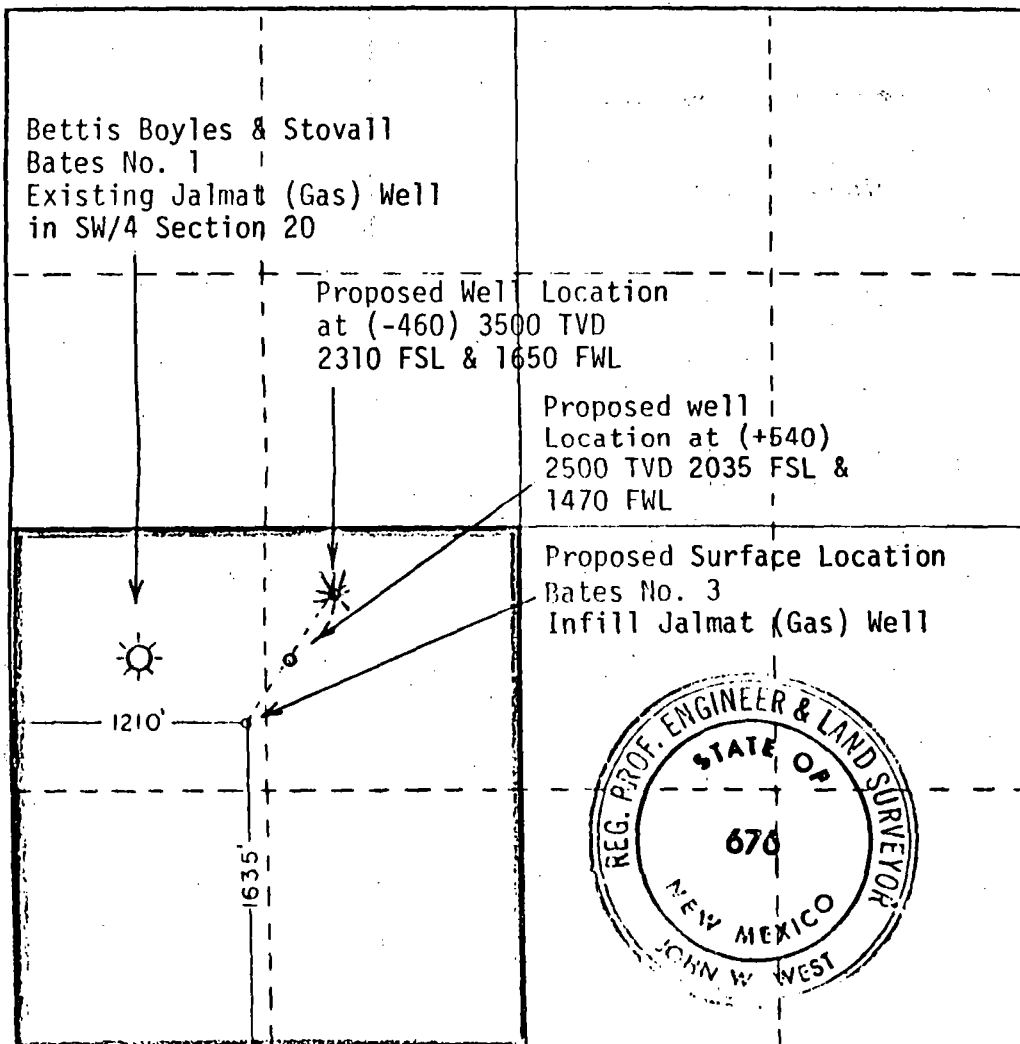
Operator DOYLE HARTMAN			Lease Bates		Well No. 3
Unit Letter L	Section 20	Township 25 SOUTH	Range 37 EAST	County LEA	
Actual Footage Location of Well: 1635 feet from the SOUTH line and 1210 feet from the WEST line					
Ground Level Elev. 3040.2	Producing Formation Yates	Pool Jalmat	Dedicated Acreage 160 Acres		

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?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

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.



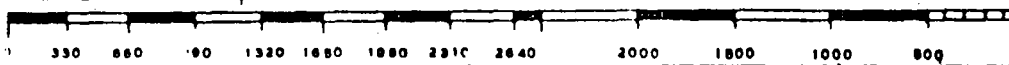
CERTIFICATION

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

Name
Larry A. Nemmy
 Position
Engineer
 Company
Doyle Hartman
 Date
Aug. 20, 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
7-28-81
 Registered Professional Engineer and/or Land Surveyor
John W. West
 Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6868
Ronald J. Eidson 3239



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

Bates No. 3
API No. 30-025-27542
1210 FWL & 1635 FSL (M),
Section 20, T-25-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 Bettis, Boyle & Stovall

Well: Bates No. 1

Location: 1980 FSL & 660 FWL (L), Sec. 20, T-25-S, R-37-E
Lea County, New Mexico

Spud Date: June 21, 1936

Reservoir: Jalmat (Yates)

Production Period: 9-9-36 to present

Cumulative Gas Production: 6-1-81 Cum: 5935 mmcf

Remarks: 1981 Avg. Rate: 20 mcfpd. Enclosed herewith is our filing for administrative approval for classifying the subject well (Bates No. 3) as a Section 103 infill well.

Michelle Hembree
Michelle Hembree
Administrative Assistant

* For clear & concise statement as to necessity for infill well, see William P. Aycock's letter dated September 28, 1981 - enclosed.

RADTKE, AYCOCK, & ASSOCIATES, INC.

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

September 28, 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 Bates No. 3,
20(M)-25S-37E, Jalmat Pool,
Lea County, New Mexico

Gentlemen:

Attached are the following, submitted in conformance with the
provision 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

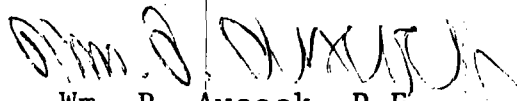
Cross Section A-A'

Cross Section B-B'

Exhibit 4 (with attachments)

Some of this information was presented on August 26, 1981, NMOCD
Case No. 7340.

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

September 28, 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 Bates No. 3
(Formerly Designated City of Jal
No. 1), 20(M)-25S-37E, Jalmat Pool,
Lea County, New Mexico

Gentlemen:

The Special Rules and Regulations, Natural Gas Policy Act Infill Findings Administrative Procedure requires, as a part of Exhibit 4, engineering studies as the predicate for answers to Rules 8.g., 9.b. and 9.c.

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 proration unit, consisting of the 160-acre SW/4, Section 20, Township 25 South, Range 37 East, was (prior to the drilling of the subject well) assigned to the Bettis, Boyle and Stovall Bates No. 1, located 1980' FSL and 660' FWL, 20-25S-37E; this well was originally drilled by Leonard Oil Co. and was completed September 9, 1936, from Yates formation open hole between depths of 2616 feet and 2872 feet. This well was recompleted to the Langlie-Mattix Pool interval of 3082 feet to 3360 feet on June 28, 1940. The well was plugged back to the Jalmat Pool interval of 2747 feet to 2931 feet on November 25, 1953. The final workover documented by O.C.D. files occurred on September 15, 1959, when the well was cleaned out to a depth of 2800 feet and completed between that depth and 2616 feet. This well had produced an accumulative gas volume of 5934.9 MMCF as of May 31, 1981, with reported capacity gas production of between approximately 550 and about 650 MCF per month. This rate is very near the estimated economic limit of production 500 MCF per month, so the anticipated ultimate gas recovery is about 6.0 BCF. Accordingly, the future gas recovery (neglecting the Doyle Hartman Bates No. 3) anticipated from the existing 160-acre proration unit

is small compared to the remaining estimated gas-in-place for the 160 acres of approximately 450 MMCF; the existing well to which this proration is assigned will apparently not recover any substantial amount of this remaining gas-in-place.

Rule 9.b. requires that "...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 Bates No. 3 is approximately 180 MMCF; this increased recovery was derived from the product of the following volumetric parameters:

Original Gas-in-place, MMCF/acre	2.81
Effective Drainage Area, acres	73.5
Estimated Gas Recovery Factor, fraction of original gas-in-place	0.87

These factors were derived from studies of logs for the application well and production and pressure performance, as well as all available well logs, for those of 15 Jalmat Pool wells nearest the application well (see supporting data tabulation) for which the necessary data was available. The studies for the Hartman Bates No. 3 were predicated upon or yielded the following:

Completion Interval 2773 feet to 3337 feet	Well Depth
Mean Porosity, fraction of bulk volume	0.188
Mean Connate Water Saturation fraction of Net Effective Pore Space	0.34
Net Effective Pay Thickness, feet	48.
Static Shut-in Wellhead Pressure, psi	160.

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:

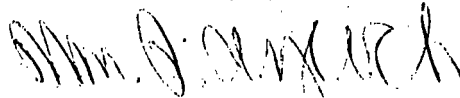
Summary of Individual Well Information, Section
103 Gas Price Application for Doyle Hartman's
City of Jal No. 1 (now designated Bates No. 3)

Jalmat Gas Production Histories and P/Z vs.
Cumulative Production Plots, T-25-S, R-37-E,
Lea County, New Mexico

New Mexico Department of Energy and Minerals
September 28, 1981
Page 3

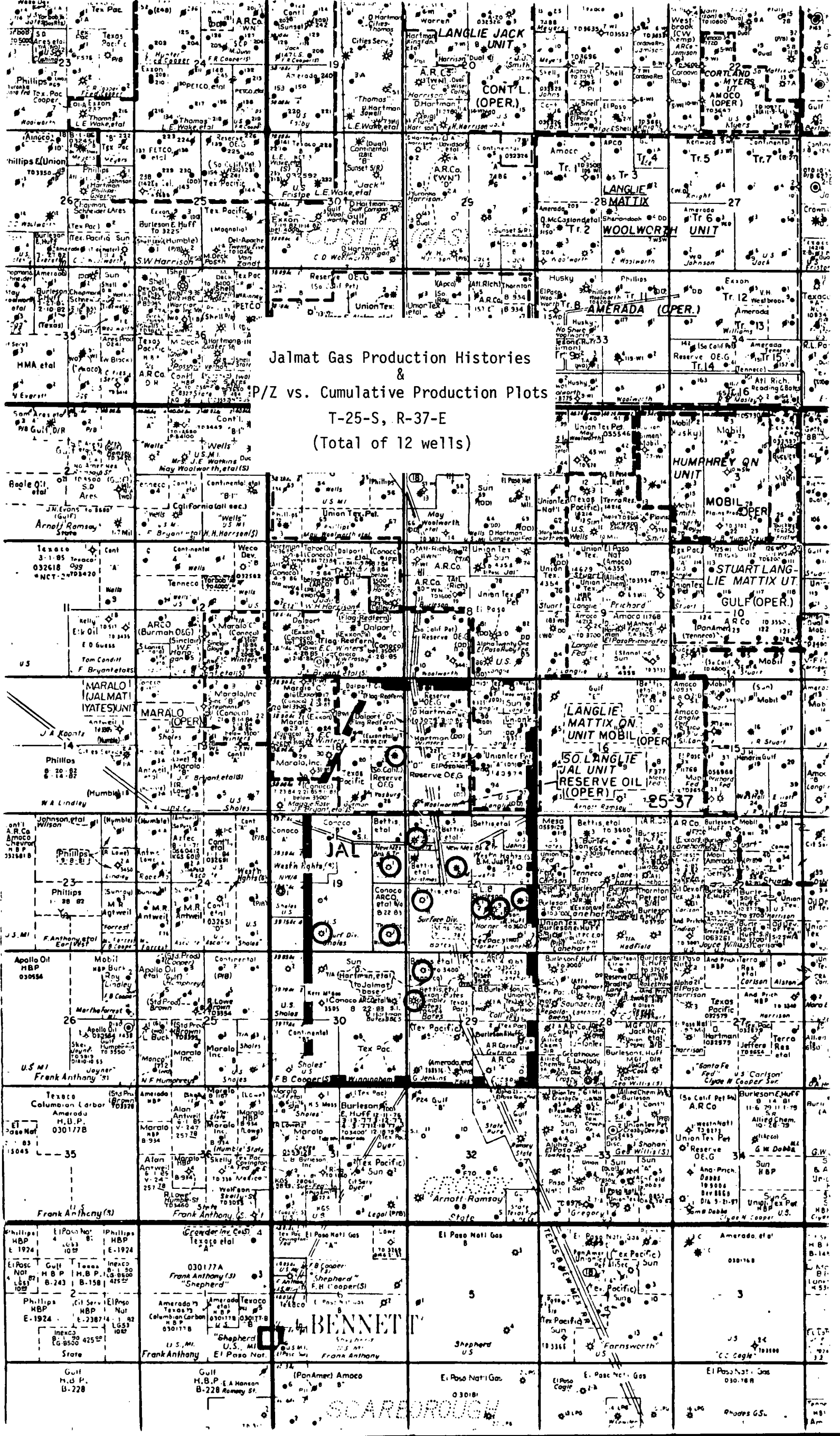
We believe that the foregoing serves to satisfy the requirements of Exhibit 4, Special Rules and Regulations, Natural Gas Policy Act Infill Findings Administrative Procedure. Should you desire anything further in this connection, we should be pleased to furnish it, if it is available.

Very truly yours,


Wm. P. Aycock, P.E.

WPA/bw

Attachments



Jalmat Gas Production Histories
&
P/Z vs. Cumulative Production Plots
T-25-S, R-37-E
(Total of 12 wells)

BENNETT

SCARECROW

GAS PRODUCTION HISTORY

Date _____ Page _____ of _____

Operator: Reserve

Well: Vosburg #1

Location: I-18-25-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: Last Production 10-70

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z
1970	9	13325	1481	653.7	N/A	N/A
1969	11	17114	1556	640.4	N/A	N/A
1968	12	35442	2953	623.3	N/A	N/A
1967	12	10866	905	587.8	146.2	150
1966	11	13255	1205	576.9	158.2	165
1965	11	7511	683	563.7	163.2	170
1964	12	33943	2829	556.2	168.2	170
1963	12	17717	1476	522.2	185.2	190
1962	12	27883	2324	504.5	N/A	N/A
1961	12	18886	1574	476.6	223.2	230
1960	12	28083	2340	457.8	261.2	270
1959	9	16995	1888	429.7	274.2	285
1958	12	49112	4093	412.7	302	315
1957	12	57087	4757	363.6	358	380
1956	12	84454	7038	306.5	N/A	N/A
1955	9	63255	7028	222.0	670	760
1954	12	158772	13231	158.8	487	530

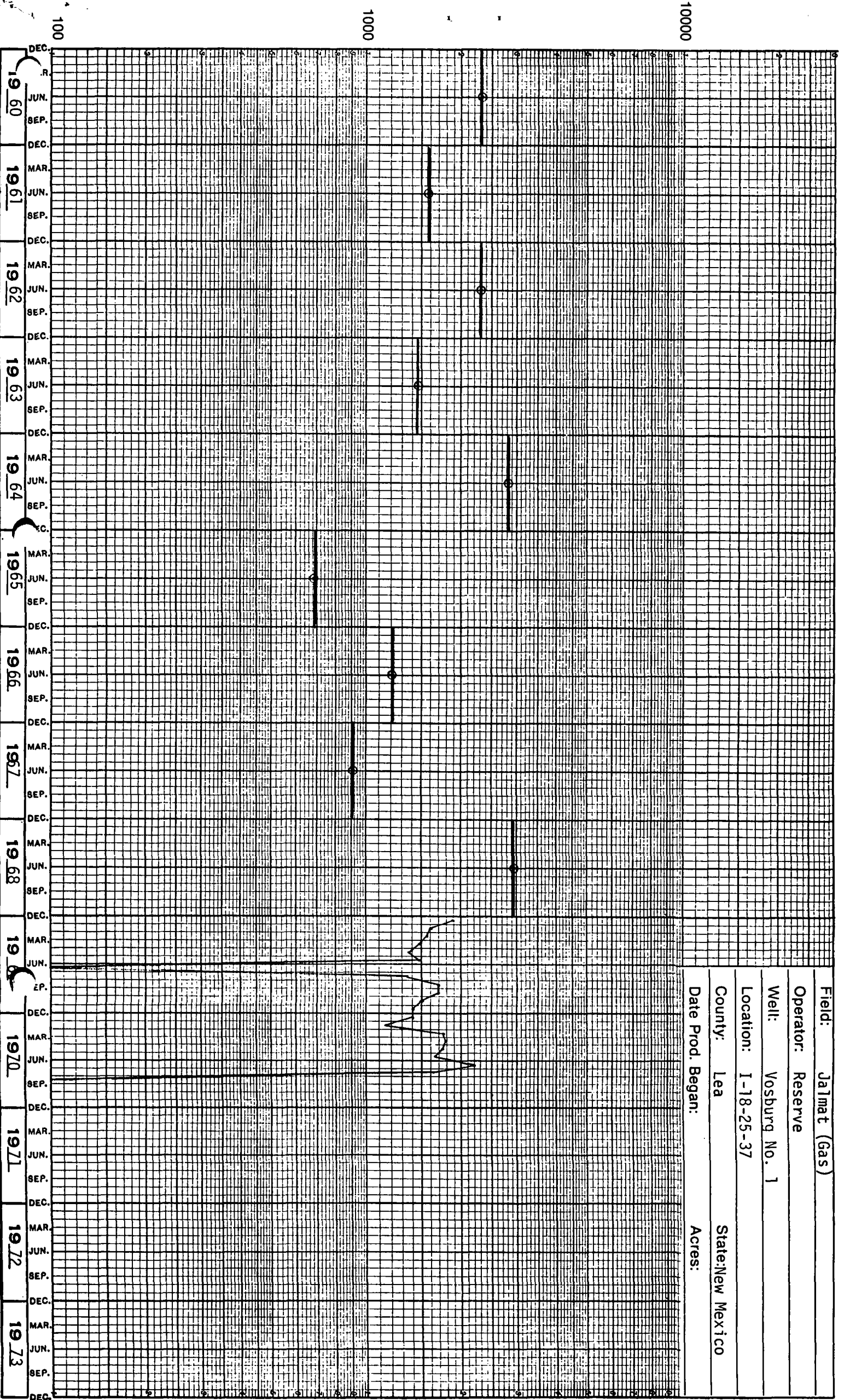
19 69 Detail Summary			
Jan.	1896	July	0
Feb.	1612	Aug.	1351
March	1559	Sept.	1705
April	1496	Oct.	1702
May	1383	Nov.	1500
June	1498	Dec.	1412

19 70 Detail Summary			
Jan.	1401	July	2201
Feb.	1164	Aug.	1620
March	1788	Sept.	8
April	1796	Oct.	
May	1759	Nov.	
June	1588	Dec.	

Production (Y-T-D) _____ Avg. Rate (Y-T-D) _____

Days or Months (Y-T-D) _____

Gas Production - MCF/month

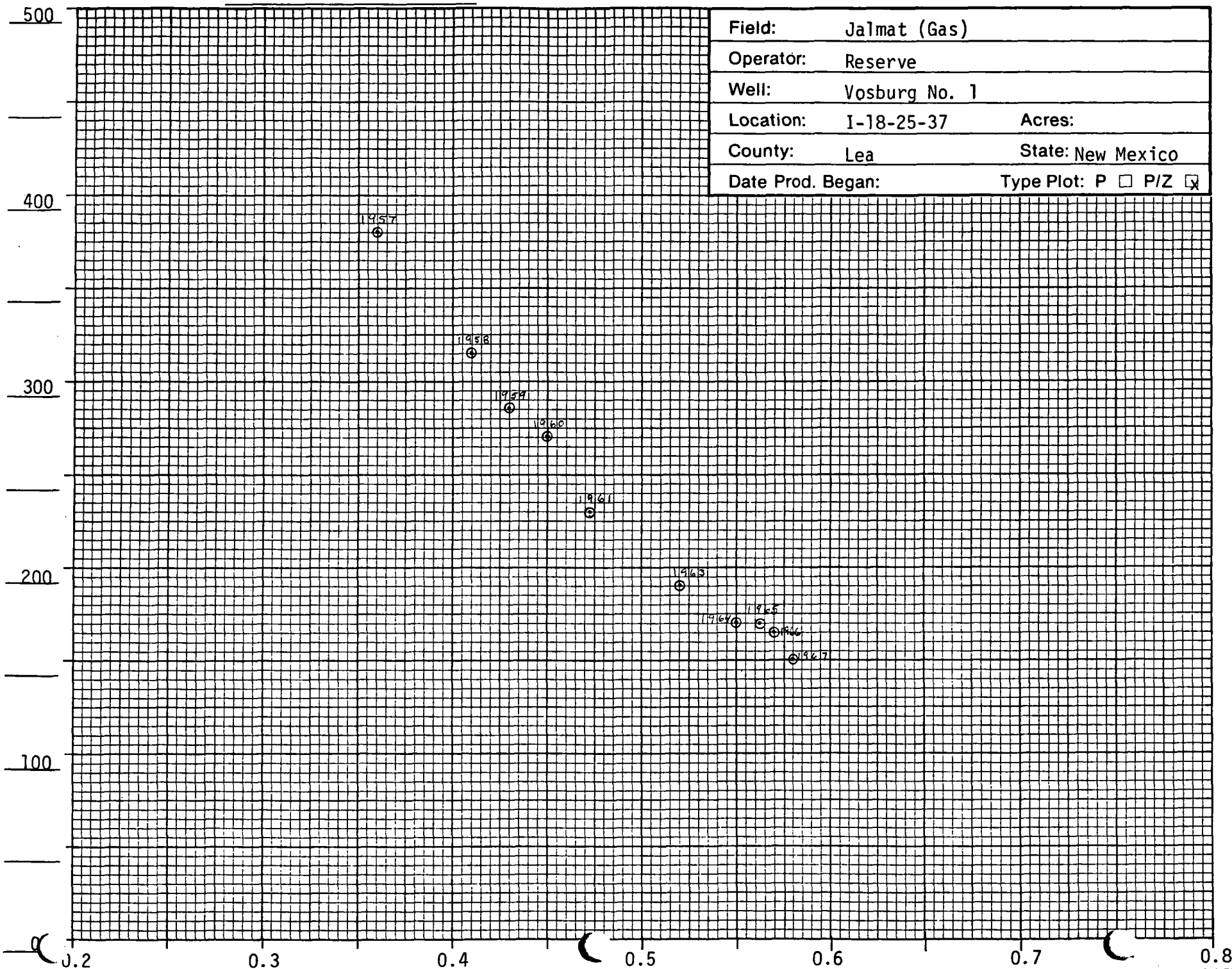


Field: Jalmat (Gas)
Operator: Reserve
Well: Vosburg No. 1
Location: I-18-25-37
County: Lea
State: New Mexico
Date Prod. Began:
Acres:

10-1-70 Cum. 633.7 MMCF

Pressure or P/Z - (psia)

Field:	Jalmat (Gas)		
Operator:	Reserve		
Well:	Vosburg No. 1		
Location:	I-18-25-37	Acres:	
County:	Lea	State:	New Mexico
Date Prod. Began:		Type Plot:	P ☐ P/Z ☒



Cumulative Gas Production - (RCF)

GAS PRODUCTION HISTORY

Date 6-25-80

Page 1 of 2

Operator: Bettis, Boyle & Stovall

Well: B. M. Justis No. 1

Location: H-19-25-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: Converted to Jalmat (Oil) in 1975.

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z
1980	12	1426	119	8201.1	N/A	N/A
1979	12	2050	171	8199.7	N/A	N/A
1978	12	1925	160	8197.7	N/A	N/A
1977	11	2694	245	8195.8	N/A	N/A
1976	12	3217	268	8193.1	N/A	N/A
1975	12	4093	341	8189.9	94.2	100
1974	12	2947	246	8185.8	98.2	105
1973	12	3700	308	8182.8	104.2	110
1972	12	4494	374	8179.1	118.2	125
1971	12	3606	300	8174.6	155.2	160
1970	11	3417	311	8171.0	146.2	150
1969	12	4178	348	8167.6	145.2	150
1968	12	5145	429	8163.4	143.2	150
1967	12	5671	473	8158.3	162.2	170
1966	12	5917	493	8152.6	261.2	275
1965	12	14909	1242	8146.7	N/A	N/A
1964	12	29468	2456	8131.8	N/A	N/A
1963	12	49208	4101	8102.3	N/A	N/A
1962	12	35466	2955	8053.1	N/A	N/A
1961	12	21053	1754	8017.6	242.2	255

19 79 Detail Summary

Jan. <u>147</u>	July <u>206</u>
Feb. <u>129</u>	Aug. <u>178</u>
March <u>154</u>	Sept. <u>133</u>
April <u>185</u>	Oct. <u>133</u>
May <u>241</u>	Nov. <u>116</u>
June <u>210</u>	Dec. <u>218</u>

19 80 Detail Summary

Jan. <u>164</u>	July <u>91</u>
Feb. <u>144</u>	Aug. <u>87</u>
March <u>152</u>	Sept. <u>77</u>
April <u>134</u>	Oct. <u>103</u>
May <u>130</u>	Nov. <u>107</u>
June <u>124</u>	Dec. <u>113</u>

Production (Y-T-D) 460 MCF

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

Avg. Rate (Y-T-D) 153 MCF/mo.

GAS PRODUCTION HISTORY

Date 7-23-81

Page 2 of 2

Operator: Bettis, Boyle & Stovall

Well: B. M. Justis No. 1

Location: H-19-25-37

Pool: Jalmat (Oil)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: _____

[illegible]

19_81_____ Detail Summary

Jan. 113 July

Feb. 82 Aug.

March 120 Sept.

April 118 Oct.

May _____ 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) _____

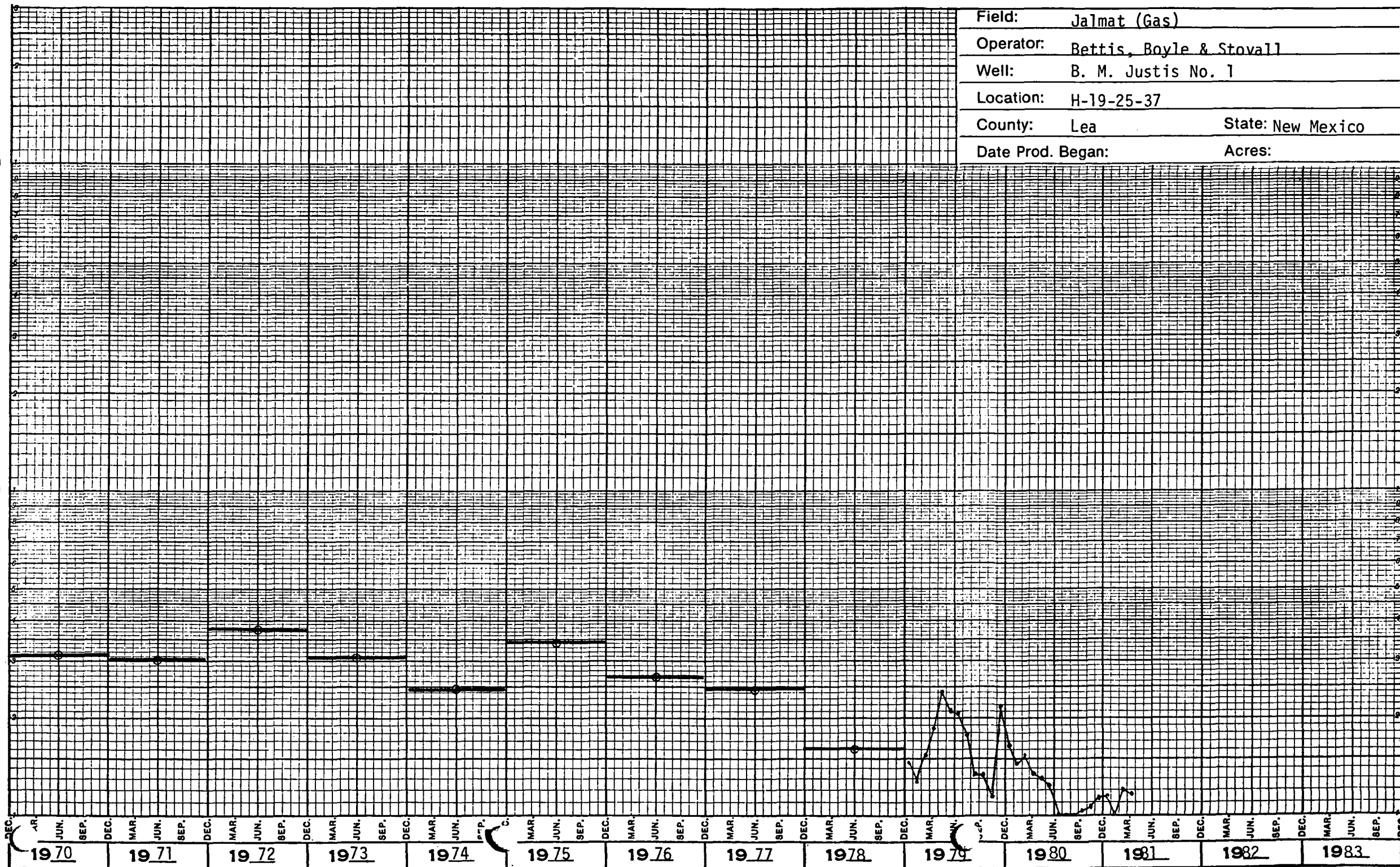
H-19-25-37

Gas Production - MCF/month

10000

1000

100



Field:	Jalmat (Gas)		
Operator:	Bettis, Boyle & Stovall		
Well:	B. M. Justis No. 1		
Location:	H-19-25-37		
County:	Lea	State:	New Mexico
Date Prod. Began:		Acres:	

GAS PRODUCTION HISTORY

Date 7-23-81

Page 1 of 1

Operator: Conoco

Well: Sholes "B-19" No. 1

Location: N-19-25-37

Pool: Jalmat (Gas)

Spud Date: Original Completion Date:

Completion Interval (Gas):

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

Remarks: Last Production 10-80.

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1968	10	7387	739	6129.2	252.2	265	
1969	11	2966	270	6132.2	183.2	190	
1970	12	6659	555	6138.9	210.2	220	
1971	12	7377	615	6146.2	198.2	200	
1972	12	16175	1348	6162.4	198.2	200	
1973	12	20933	1744	6183.3	259.2	270	
1974	12	16862	1405	6200.2	212.2	220	
1975	12	11766	980	6212.0	192.2	200	
1976	11	10254	932	6222.2	211.2	220	
1977	9	7596	844	6229.8	246.2	255	
1978	12	6540	545	6236.4	208.2	215	
1979	12	6239	520	6242.6	203.2	210	
1980	10	5484	548	6248.1	172.2	175	
1981	0	0	0	6248.1	N/A	N/A	

1980 Detail Summary			
Jan.	745	July	638
Feb.	710	Aug.	366
March	733	Sept.	59
April	688	Oct.	9
May	863	Nov.	0
June	673	Dec.	0

19 81 Detail Summary			
Jan.	0	July	
Feb.	0	Aug.	
March	0	Sept.	
April	0	Oct.	
May	0	Nov.	
June		Dec.	

Production (Y-T-D) 5484 MCF

Days or Months (Y-T-D) 10 mos.

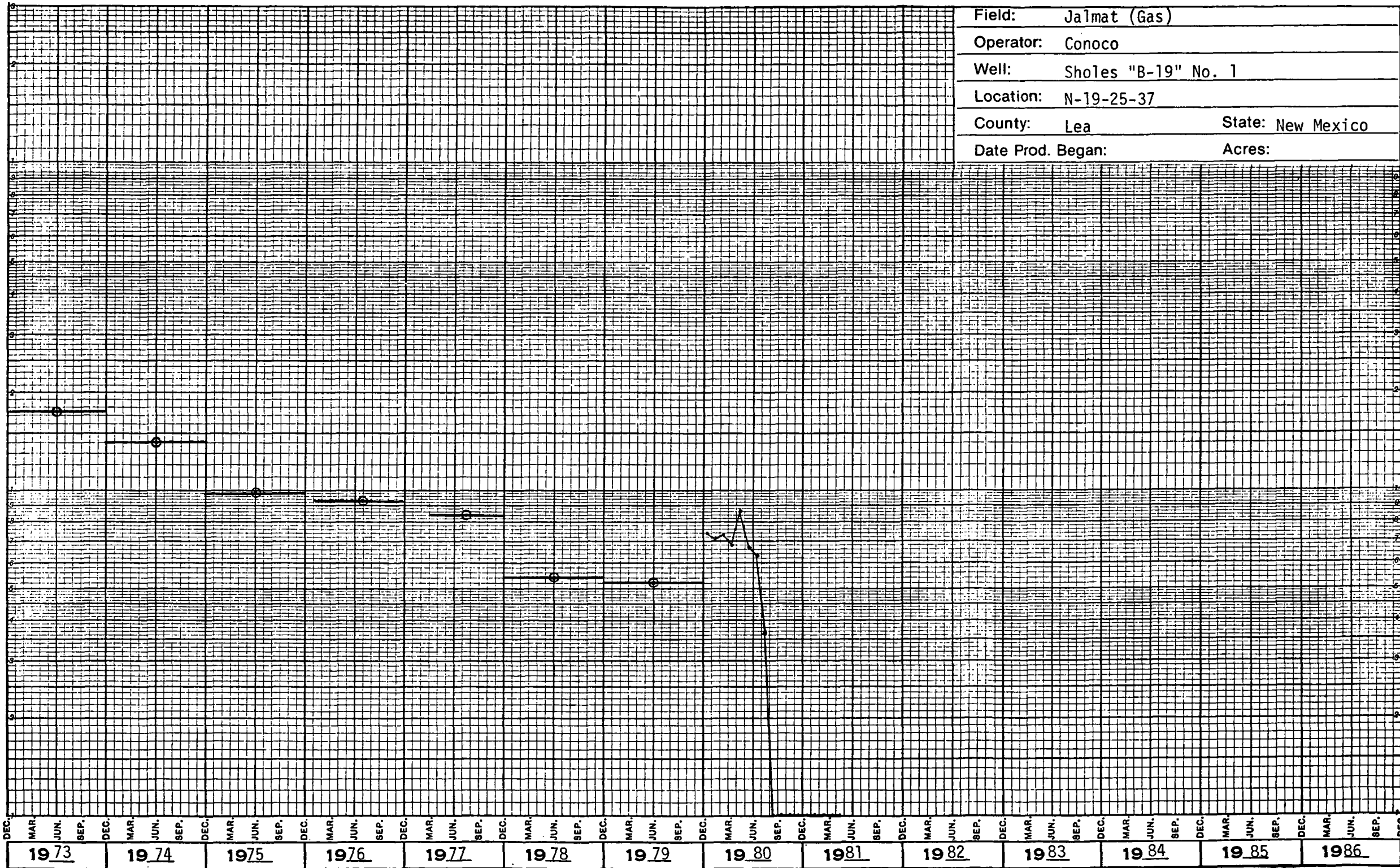
Avg. Rate (Y-T-D) 548 MCF/mo.

Gas Production - MCF/month

10000

1000

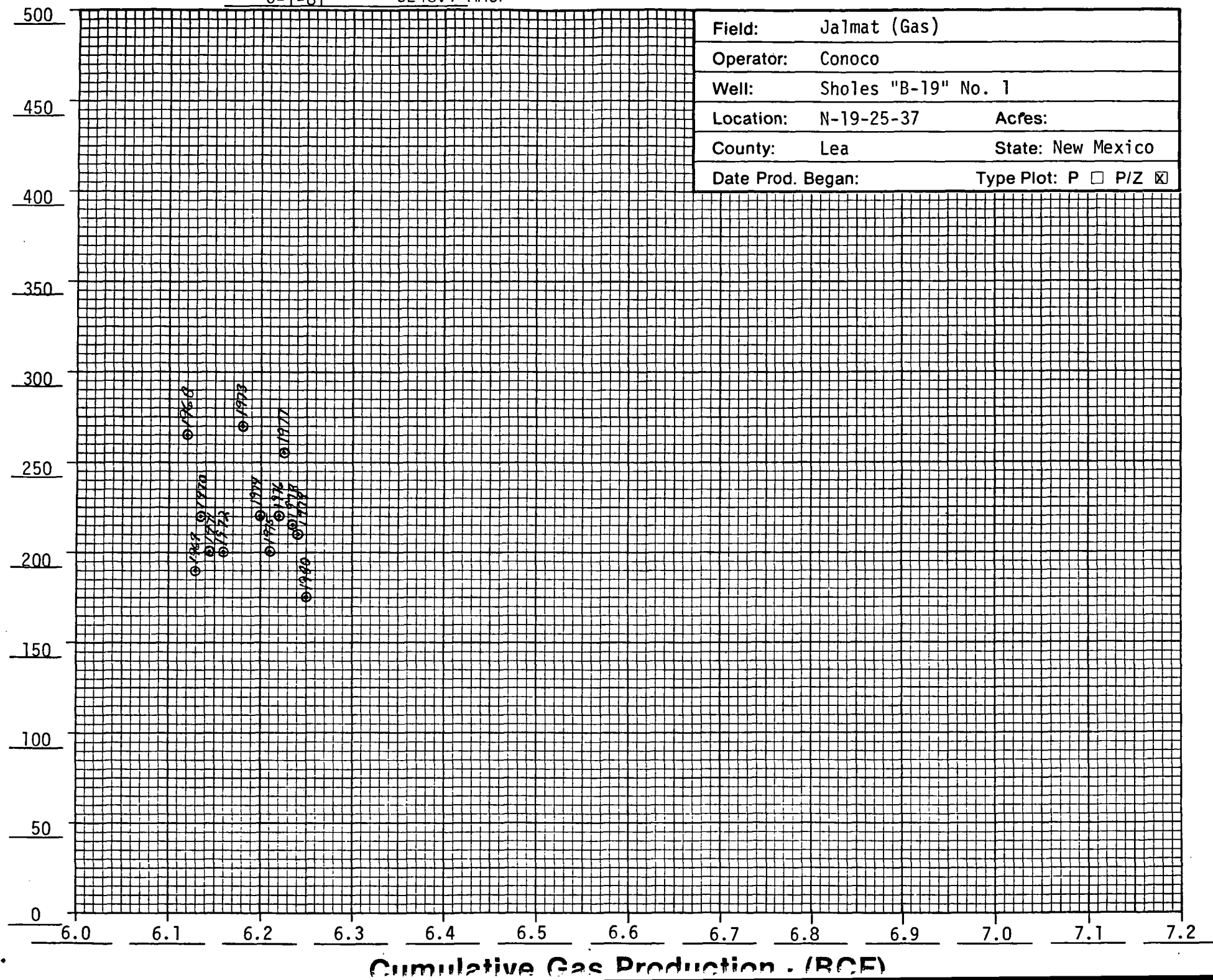
100



Field:	Jalmat (Gas)	
Operator:	Conoco	
Well:	Sholes "B-19" No. 1	
Location:	N-19-25-37	
County:	Lea	State: New Mexico
Date Prod. Began:	Acres:	

b-1-81 Cum. 6248.1 MMCF

Pressure or P/Z - (psia)



GAS PRODUCTION HISTORY

Date 12-13-79

Page 1 of 2

Operator: Texas Pacific

Well: Winnigham No. 2

Location: P-19-25-37

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	4651	388	1904.7	133.2	140	
1978	12	18075	1506	1900.1	143.2	150	
1977	12	11990	999	1882.0	153.2	160	
1976	12	7652	638	1870.0	141.2	145	
1975	12	24040	2003	1862.4	134.2	140	
1974	12	46087	3841	1838.3	150.2	155	
1973	12	58770	4898	1792.2	198.2	205	
1972	12	40308	3359	1733.5	188.2	195	
1971	12	13308	1109	1693.2	189.2	195	
1970	12	13843	1154	1679.9	190.2	195	
1969	12	14024	1169	1666.0	185.2	190	
1968	12	14619	1218	1652.0	191.2	195	
1967	12	19977	1665	1637.4	188.2	190	
1966	12	33032	2753	1617.4	140.2	150	
1965	12	36726	3061	1584.4	270.2	290	
1964	12	31634	2636	1547.6	211.2	220	
1963	12	26660	2222	1516.0	219.2	230	
1962	12	20141	1678	1489.3	N/A	N/A	
1961	12	20158	1680	1469.2	243.2	250	
1960	12	26793	2233	1449.0	249.2	265	

19 78 Detail Summary

Jan. <u>1906</u>	July <u>1482</u>
Feb. <u>1691</u>	Aug. <u>1282</u>
March <u>1978</u>	Sept. <u>1448</u>
April <u>1632</u>	Oct. <u>1580</u>
May <u>1774</u>	Nov. <u>1265</u>
June <u>1649</u>	Dec. <u>388</u>

19 79 Detail Summary

Jan. <u>767</u>	July <u>350</u>
Feb. <u>554</u>	Aug. <u>322</u>
March <u>400</u>	Sept. <u>306</u>
April <u>320</u>	Oct. <u>354</u>
May <u>338</u>	Nov. <u>322</u>
June <u>309</u>	Dec. <u>309</u>

Production (Y-T-D) 4651 MCF

Avg. Rate (Y-T-D) 388 MCF/mo.

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

GAS PRODUCTION HISTORY

Date 10-1-80

Page 2 of 2

Operator: Texas Pacific

Well: Winningham No. 2

Location: P-19-25-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: _____

[illegible]

19_80_____ Detail Summary

Jan.	313	July	396
Feb.	276	Aug.	245
March	369	Sept.	231
April	332	Oct.	226
May	437	Nov.	216
June	421	Dec.	243

19 81 Detail Summary

Jan.	<u>220</u>	<u>220</u>	July	_____
Feb.	<u>220</u>	<u>220</u>	Aug.	_____
March	<u>243</u>	<u>243</u>	Sept.	_____
April	<u>250</u>	<u>250</u>	Oct.	_____
May	<u>246</u>	<u>246</u>	Nov.	_____
June	_____	_____	Dec.	_____

Production (Y-T-D) 2544 MCF

Avg. Rate (Y-T-D) 363 MCF/mo.

Days or Months (Y-T-D) 7 mos.

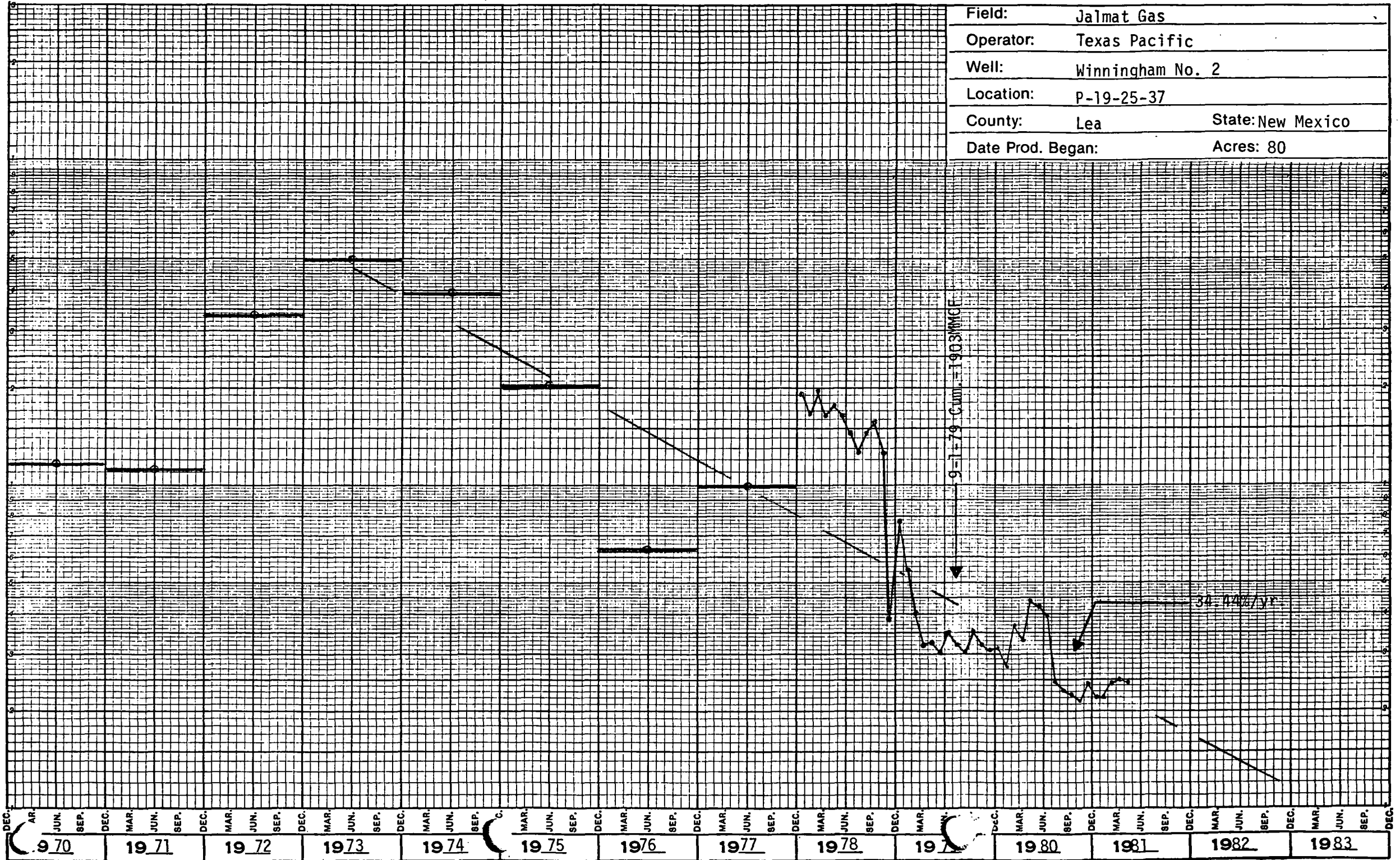
P-19-25-37

Gas Production - MCF/month

10000

1000

100

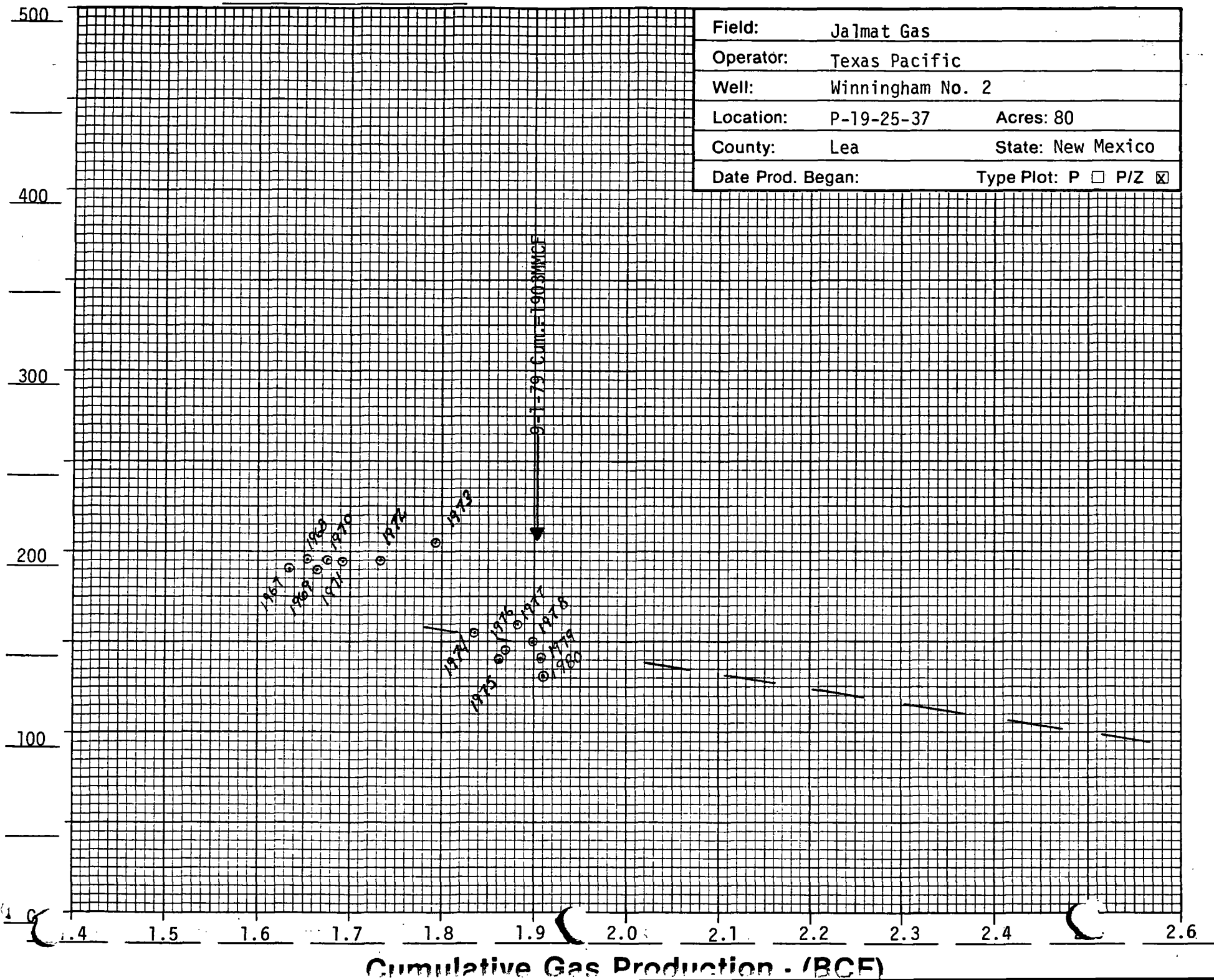


Field:	Jalmat Gas		
Operator:	Texas Pacific		
Well:	Winningham No. 2		
Location:	P-19-25-37		
County:	Lea	State:	New Mexico
Date Prod. Began:		Acres:	80

9-1-79 Cum. 1903.5MMCF

Pressure or P/Z - (psia)

Field:	Jalmat Gas	
Operator:	Texas Pacific	
Well:	Winningham No. 2	
Location:	P-19-25-37	Acres: 80
County:	Lea	State: New Mexico
Date Prod. Began:	Type Plot: P ☐ P/Z ☒	



GAS PRODUCTION HISTORY

Date 6-25-80

Page 1 of 1

Operator: Tenneco Oil

Well: Justis "A" Gas Com. No. 1

Location: D-20-25-37

Pool: Ja lmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: Plugging Approved 1977.

First Production 7-54.

[illegible]

19_____ Detail Summary

Jan. _____ July _____

Feb. _____ Aug. _____

March _____ Sept. _____

April _____ Oct. _____

May _____ Nov. _____

June _____ Dec. _____

19_66 Detail Summary

Jan. _____ July _____

Feb. 444 Aug. _____

March _____ Sept. _____

April _____ Oct. _____

May _____ Nov. _____

June _____ Dec. _____

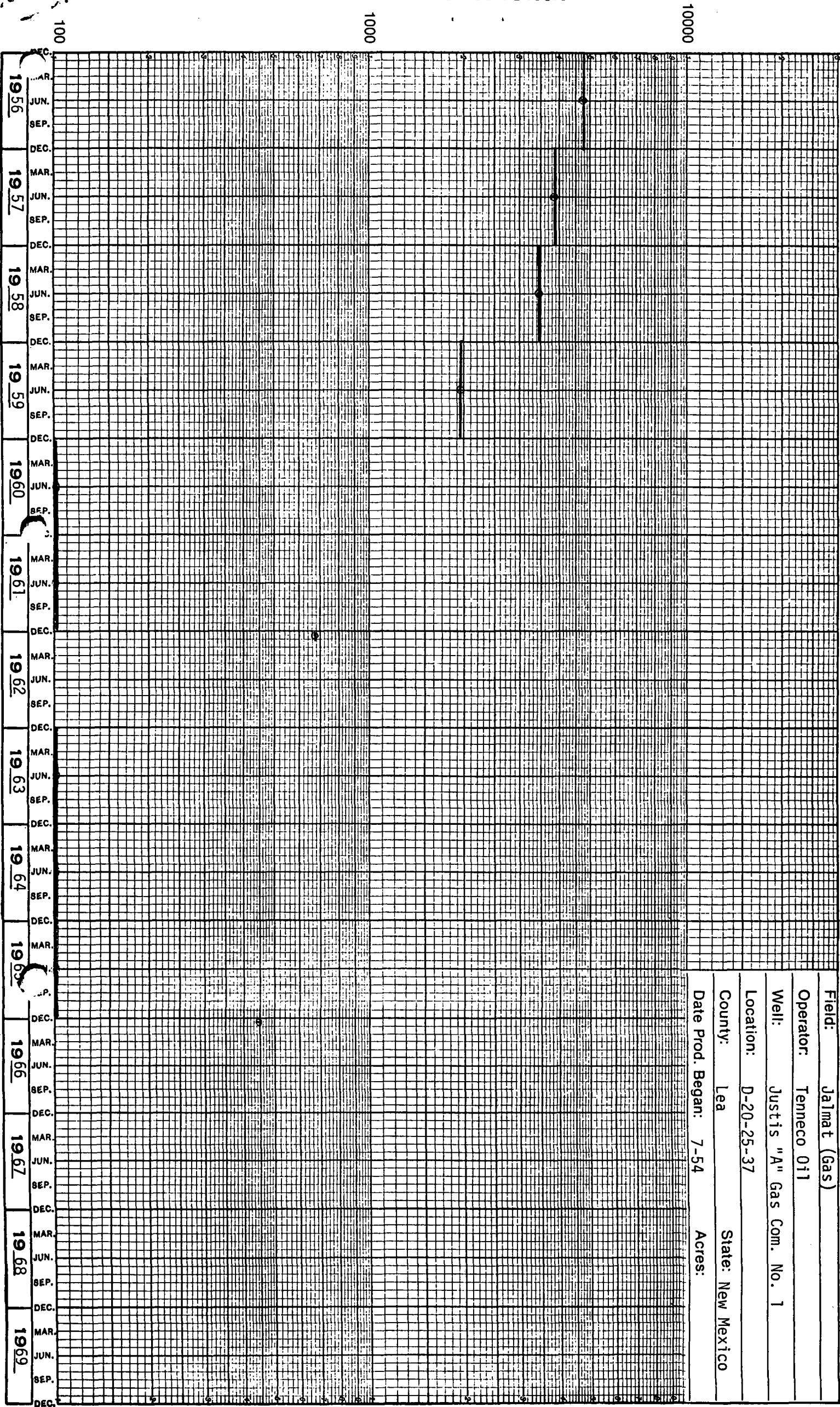
Production (Y-T-D) 444 MCF

Avg. Rate (Y-T-D) 444 MCF/mo.

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

D-20-25-37

Gas Production - MCF/month



GAS PRODUCTION HISTORY

Date 8-14-81

Page 1 of 1

Operator: B B & S

Well: _____ B. M. Justis "B" No. 7

Location: F-20-25-37

Pool: Jalmat (Oil)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: 1974 changed from Jalmat (Gas) to Jalmat (Oil).

[illegible]

19_80 Detail Summary

Jan.	3152	July	2081
Feb.	2890	Aug.	2118
March	3124	Sept.	1391
April	2752	Oct.	0
May	2561	Nov.	0
June	2285	Dec.	47

19 81 Detail Summary

Jan.	<u>2800</u>	July	<u> </u>
Feb.	<u>2805</u>	Aug.	<u> </u>
March	<u>2704</u>	Sept.	<u> </u>
April	<u>2503</u>	Oct.	<u> </u>
May	<u>2469</u>	Nov.	<u> </u>
June	<u> </u>	Dec.	<u> </u>

Production (Y-T-D) 13281 MCF Avg. Rate (Y-T-D) 2656 MCF/mo.

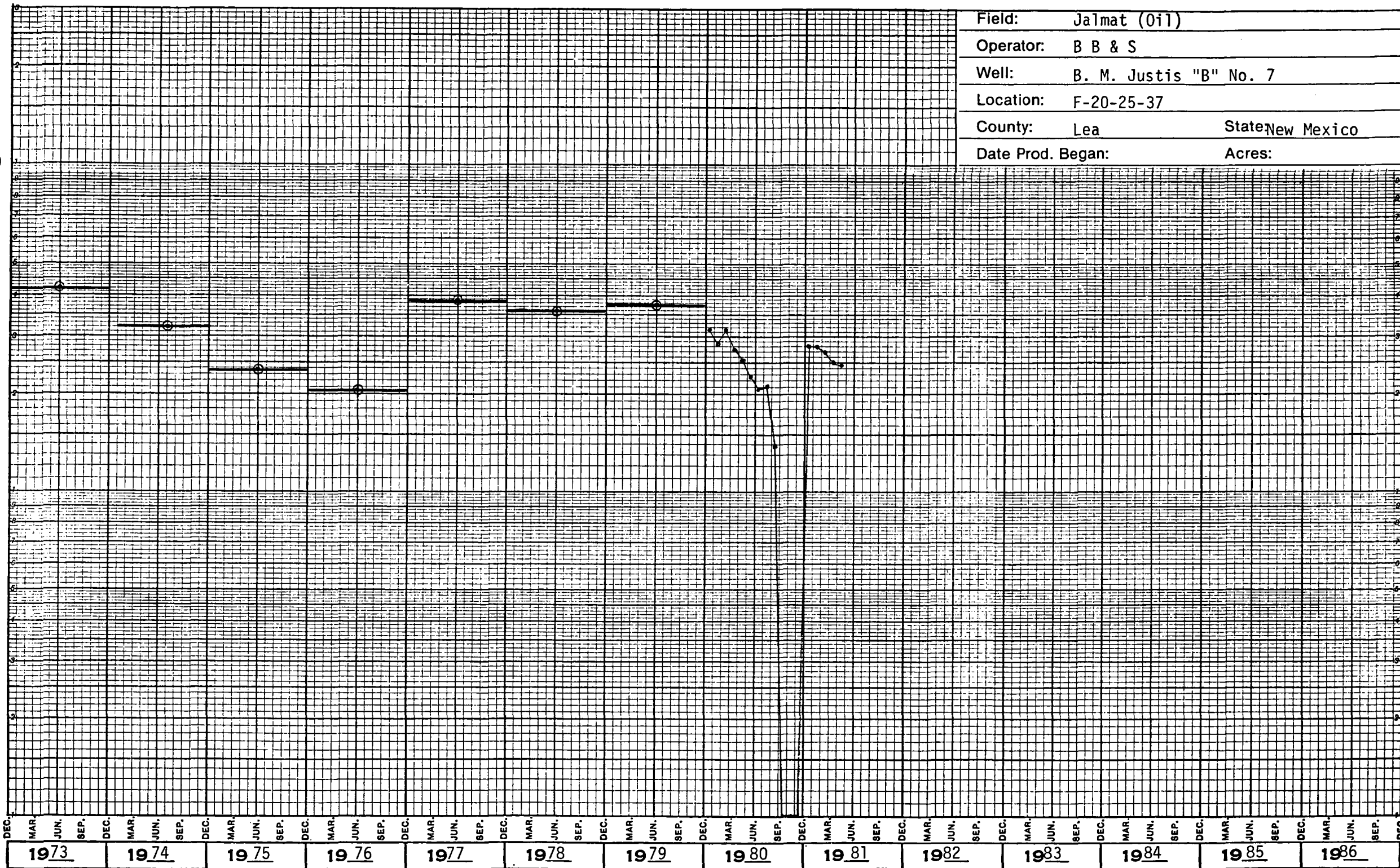
Days or Months (Y-T-D) 5 mos. F-20-25-37

Gas Production - MCF/month

10000

1000

100



Field:	Jalmat (Oil)		
Operator:	B B & S		
Well:	B. M. Justis "B" No. 7		
Location:	F-20-25-37		
County:	Lea	State:	New Mexico
Date Prod. Began:		Acres:	

GAS PRODUCTION HISTORY

Date 8-14-81

Page 1 of 1

Operator: L. B. Burleson

Well: Leonard No. 2

Location: I-20-25-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: _____

[illegible]

19 80 Detail Summary

Jan. 0 July 40

Feb. 27 Aug. 9

March 58 Sept. 0

April 48 Oct. 28

May 68 Nov. 119

June 85 Dec. 105

19_81_ Detail Summary

Jan. 102 July

Feb. 1 Aug.

March 0 Sept.

April 9 Oct.

May 0 Nov.

June _____ Dec. _____

Production (Y-T-D) 112 MCF

Avg. Rate (Y-T-D) 37 MCF/mo.

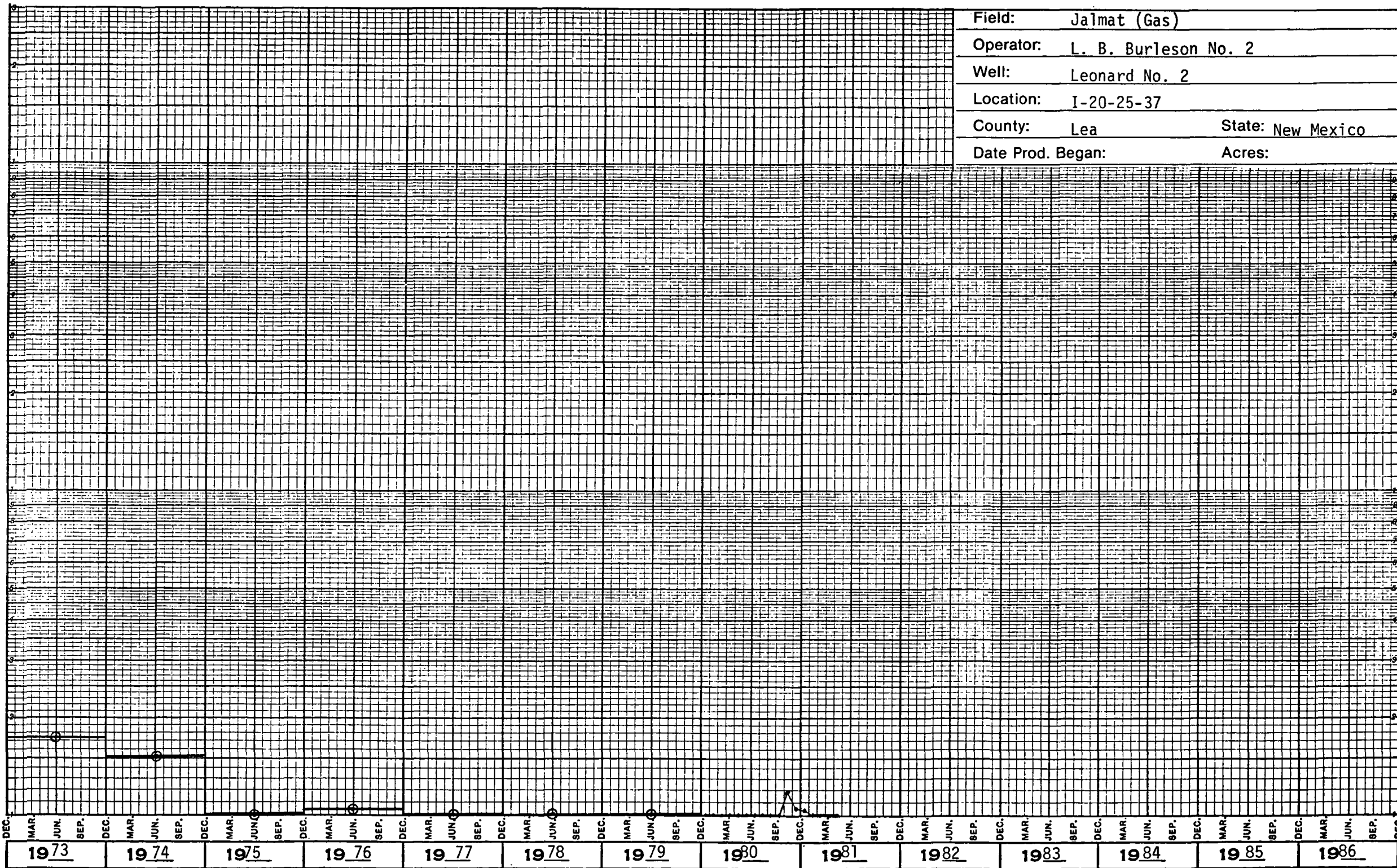
Days or Months (Y-T-D) 3 mos.

Gas Production - MCF/month

10000

1000

100



Field:	Jalmat (Gas)	
Operator:	L. B. Burleson No. 2	
Well:	Leonard No. 2	
Location:	I-20-25-37	
County:	Lea	State: New Mexico
Date Prod. Began:	Acres:	

GAS PRODUCTION HISTORY

Date 8-17-81

Page 1 of 1

Operator: Texas Pacific

Well: Harner No. 2

Location: J-20-25-37

Pool: Jalmat (Oil)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: Plugging Approved 1970.

First Production 10-59.

[illegible]

19_69_ Detail Summary

Jan.	0	July	4760
Feb.	0	Aug.	5042
March	0	Sept.	1751
April	5642	Oct.	3684
May	5709	Nov.	5315
June	4957	Dec.	398

19_____ Detail Summary

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

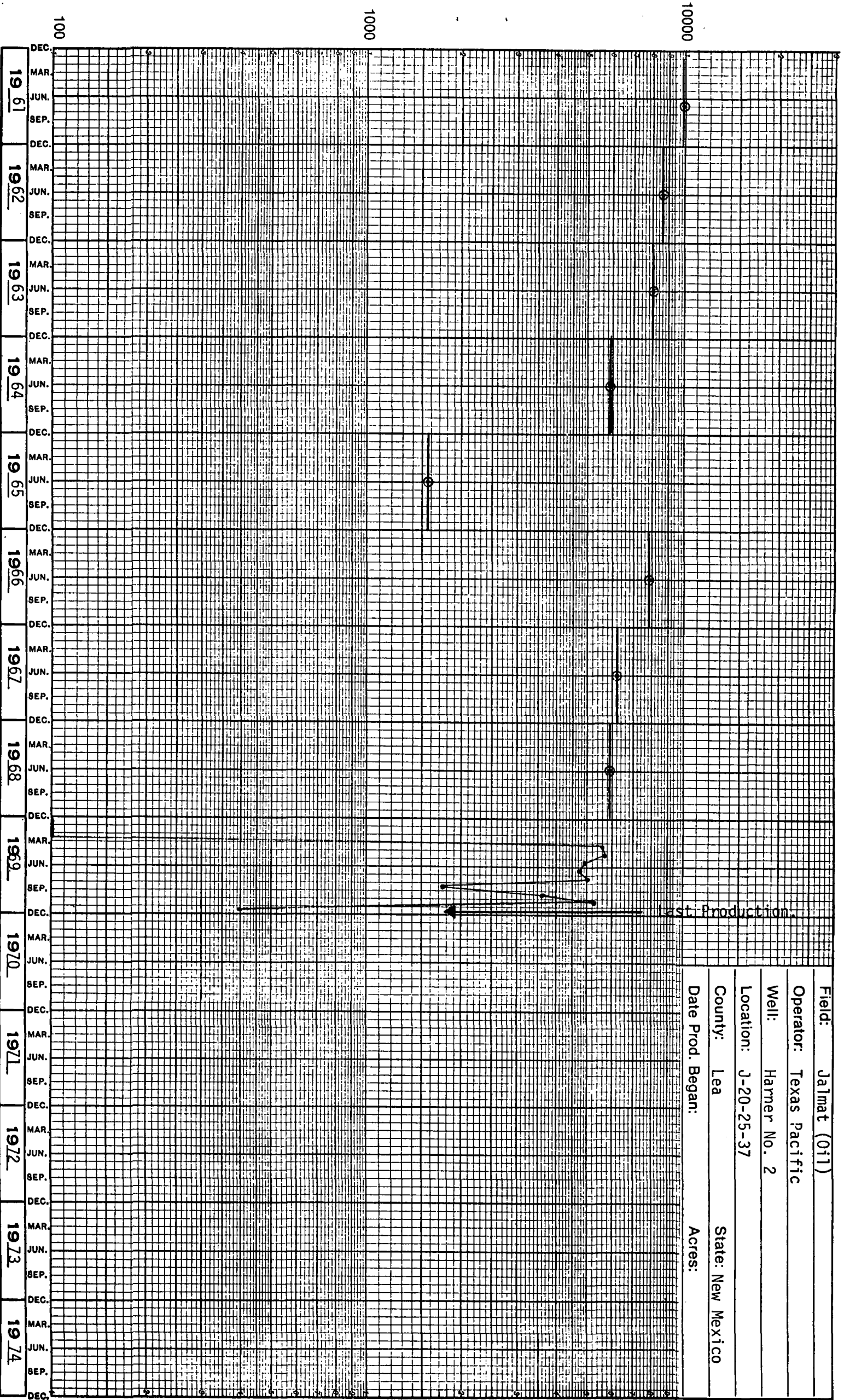
Production (Y-T-D) 37258 MCF

Avg. Rate (Y-T-D) 4140 MCF/mo.

Days or Months (Y-T-D) 9 mos.

J-20-25-37

Gas Production - MCF/month



GAS PRODUCTION HISTORY

Date 7-23-81

Page 1 of 1

Operator: Lewis B. Burleson

Well: Horner No. 3

Location: J-20-25-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: First Production 10-79.

[illegible]

19 80		Detail Summary	
Jan.	838	July	0
Feb.	914	Aug.	298
March	1068	Sept.	386
April	424	Oct.	354
May	9	Nov.	567
June	1	Dec.	557

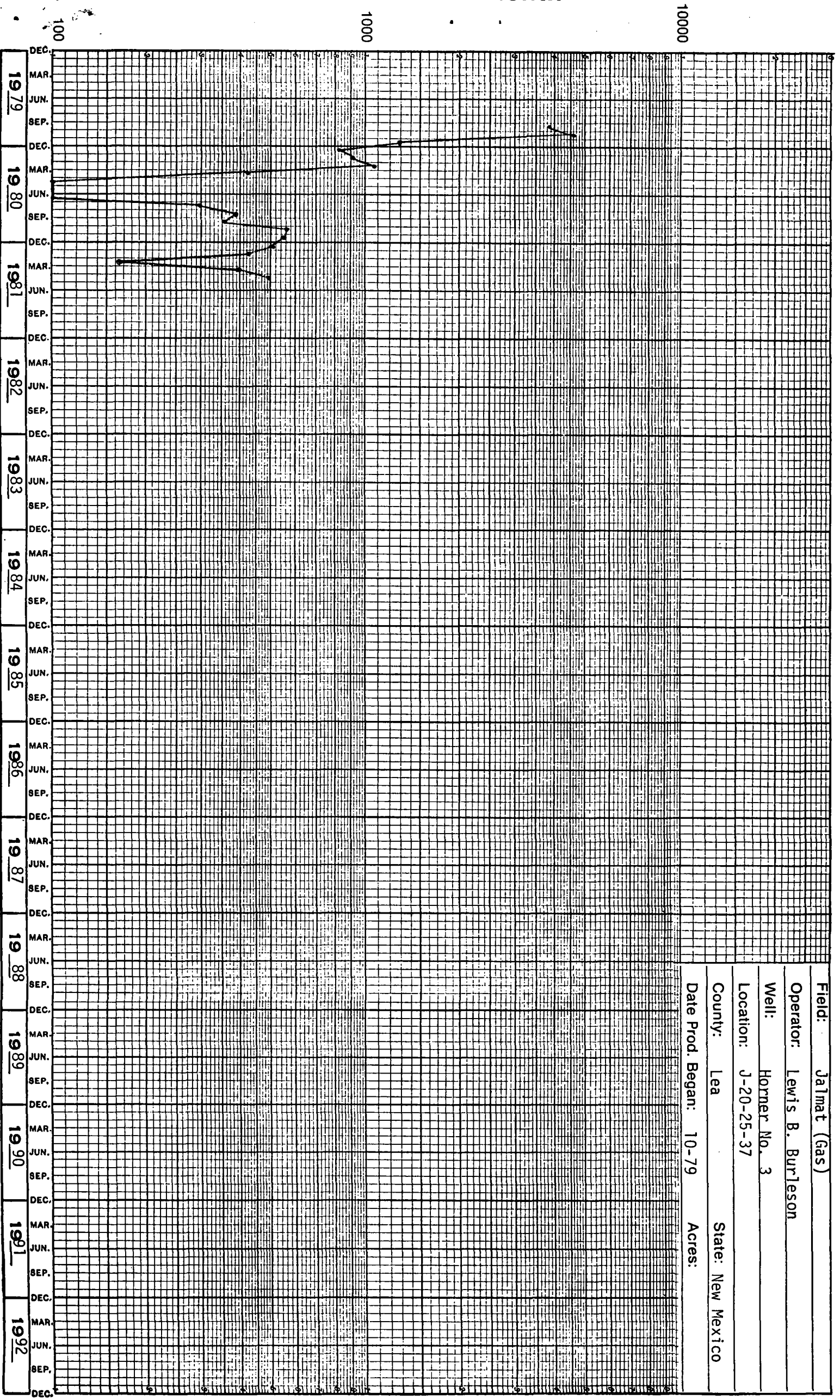
1981		Detail Summary	
Jan.	508	July	
Feb.	427	Aug.	
March	163	Sept.	
April	399	Oct.	
May	491	Nov.	
June		Dec.	

Production (Y-T-D) 1988 MCF

Avg. Rate (Y-T-D) 398 MCF/mo.

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

Gas Production - MCF/month



Field: Jalmat (Gas)
Operator: Lewis B. Burtleson
Well: Horner No. 3
Location: J-20-25-37
County: Lea State: New Mexico
Date Prod. Began: 10-79 Acres:

GAS PRODUCTION HISTORY

Date 6-18-81

Page 1 of 1

Operator: B B & S

Well: Bates No. 1

Location: L-20-25-37

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	3022	604	5934.9	N/A	N/A
1980	12	7111	593	5931.9	N/A	N/A
1979	12	8139	678	5924.8	N/A	N/A
1978	12	9655	805	5916.7	N/A	N/A
1977	12	11365	947	5907.0	N/A	N/A
1976	12	14452	1204	5895.6	103.2	105
1975	12	10046	837	5881.1	103.2	105
1974	10	13460	1346	5871.1	133.2	140
1973	12	19823	1652	5857.6	197.2	210
1972	12	19218	1601	5837.8	184.2	190
1971	12	18058	1505	5818.6	205.2	210
1970	11	15486	1408	5800.5	203.2	210
1969	11	19544	1777	5785.0	210.2	220

19 80 Detail Summary			
Jan.	498	July	623
Feb.	598	Aug.	608
March	652	Sept.	579
April	601	Oct.	587
May	621	Nov.	572
June	588	Dec.	584

Production (Y-T-D) 1753 MCF

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

19 81 Detail Summary			
Jan.	647	July	
Feb.	558	Aug.	
March	548	Sept.	
April	651	Oct.	
May	618	Nov.	
June		Dec.	

Avg. Rate (Y-T-D) 584 MCF/mo.

4-1-81 Cum: 5933.7 MMCF

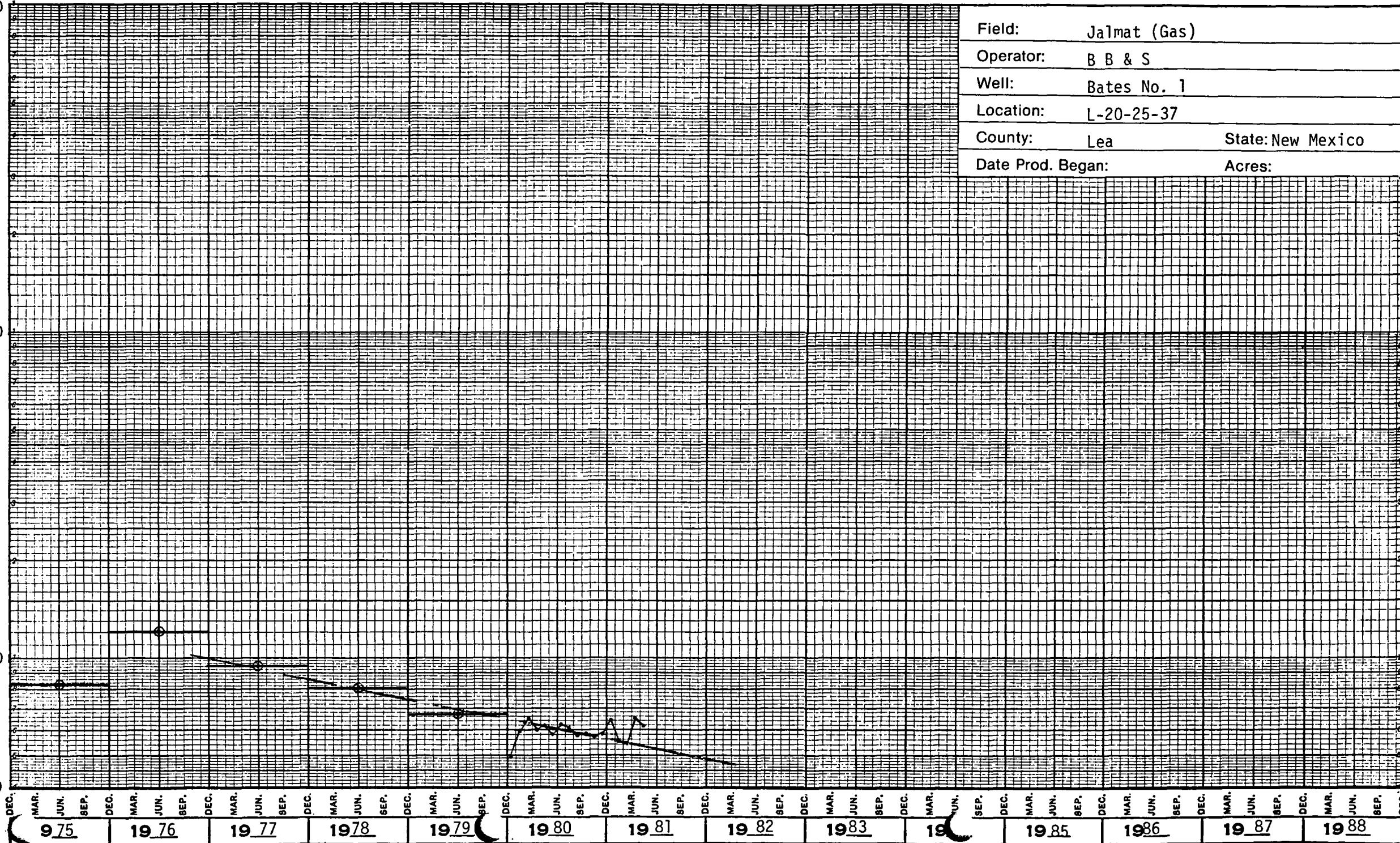
Gas Production - MCF/month

100,000

10,000

1,000

400

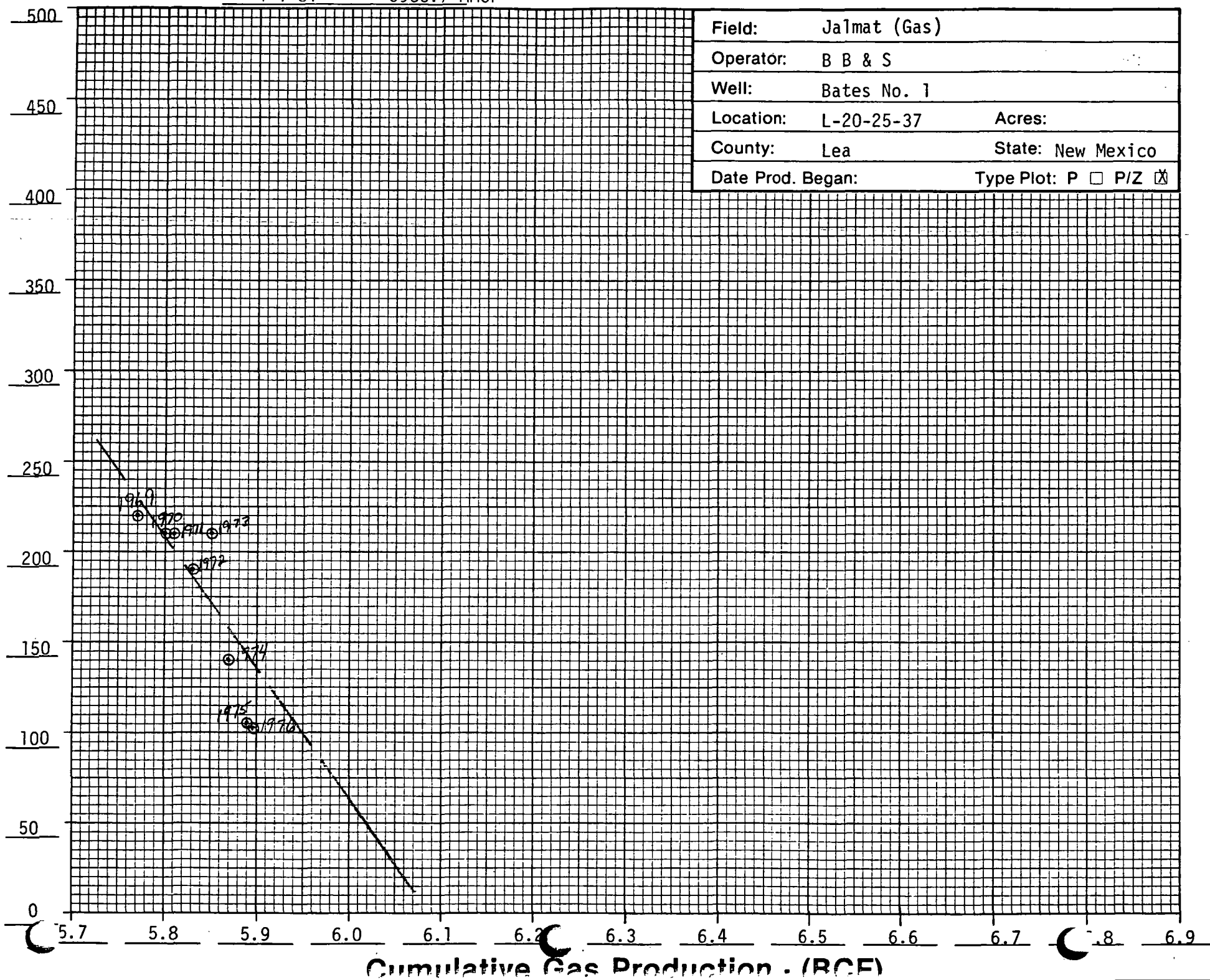


Field:	Jalmat (Gas)	
Operator:	B B & S	
Well:	Bates No. 1	
Location:	L-20-25-37	
County:	Lea	State: New Mexico
Date Prod. Began:	Acres:	

4-1-81 Cum. 5933.7 MMCF

Field:	Jalmat (Gas)		
Operator:	B B & S		
Well:	Bates No. 1		
Location:	L-20-25-37	Acres:	
County:	Lea	State:	New Mexico
Date Prod. Began:		Type Plot:	P ☐ P/Z ☒

Pressure or P/Z - (psia)



GAS PRODUCTION HISTORY

Date 12-12-79

Page 1 of 1

Operator: B. B. S.

Well: Bates No. 2

Location: D-29-25-37

Pool: Jalmat Gas

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: 5-52 First Production

6-69 Last Production

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/MO.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z
1969	4	2706	677	1268.1	178.2	190
1968	12	11294	941	1265.3	206.2	210
1967	3	5216	1739	1254.1	236.2	245
1966	12	14811	1234	1248.8	218.2	230
1965	12	13563	1130	1234.0	N/A	N/A
1964	12	15588	1299	1220.5	N/A	N/A
1963	12	26929	2244	1204.9	N/A	N/A
1962	12	37538	3128	1177.9	N/A	N/A
1961	12	42187	3516	1140.4	282.0	290
1960	6	27984	4664	1098.2	313.2	330
1959	8	34950	4369	1070.2	287.2	310
1958	11	122596	11145	1035.3	314.0	330
1957	12	156838	13070	912.7	410.0	445
1956	12	166650	13888	755.9	N/A	N/A
1955	12	91231	7603	589.2	517.0	570
1954	12	176018	14668	498.0	546.0	600
1953	12	142246	11854	322.0	605.0	680
1952	8	179706	22463	179.7	632.0	715

19 68 Detail Summary

Jan.	950	July	1109
Feb.	954	Aug.	997
March	1121	Sept.	1085
April	1115	Oct.	451
May	1165	Nov.	540
June	1087	Dec.	720

Production (Y-T-D) 2706 MCF

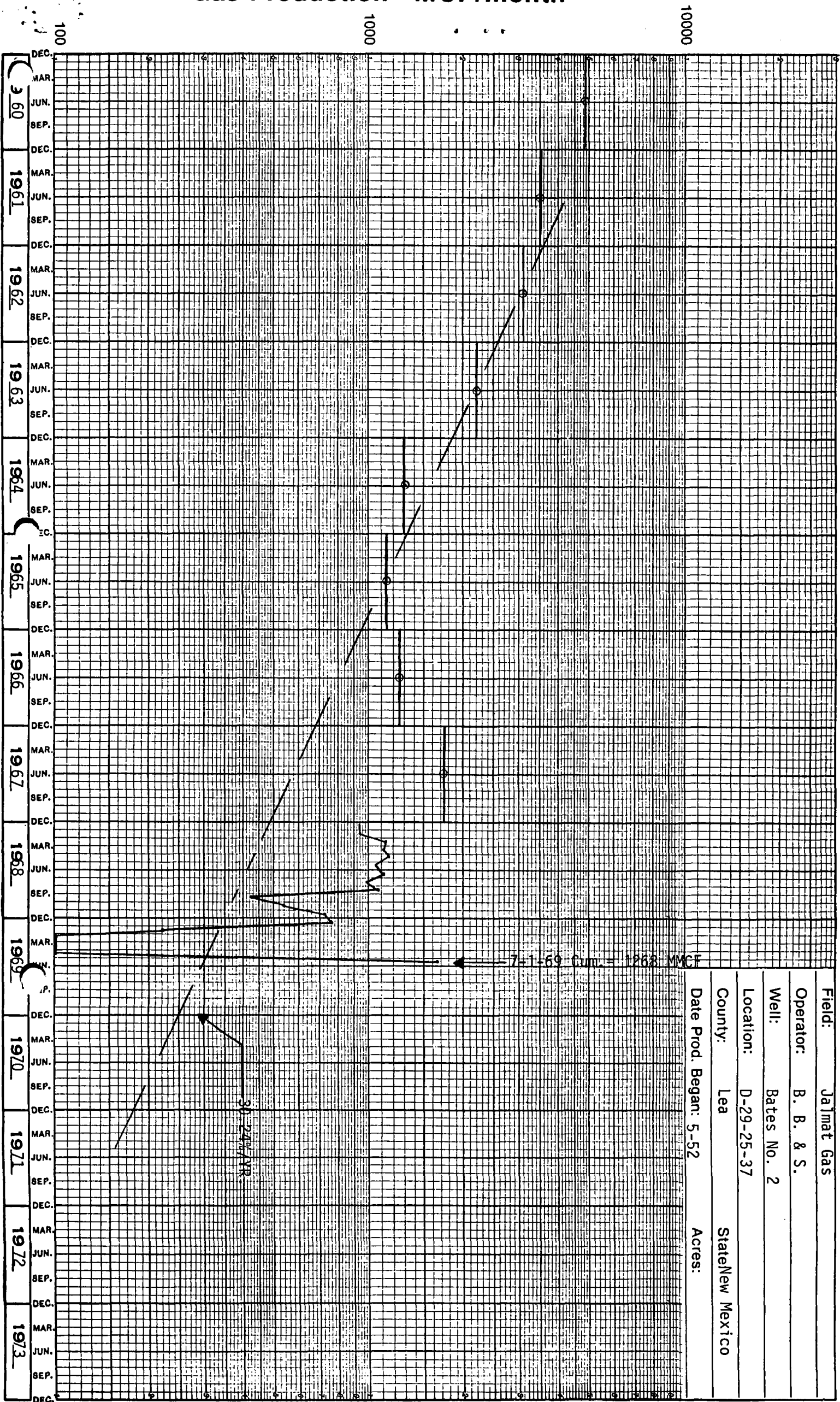
Days or Months (Y-T-D) 4 Mo

19 69 Detail Summary

Jan.	762	July	
Feb.	243	Aug.	
March	39	Sept.	
April	-0-	Oct.	
May	-0-	Nov.	
June	1662	Dec.	

Avg. Rate (Y-T-D) 677 MCF/MO

Gas Production - MCF/month

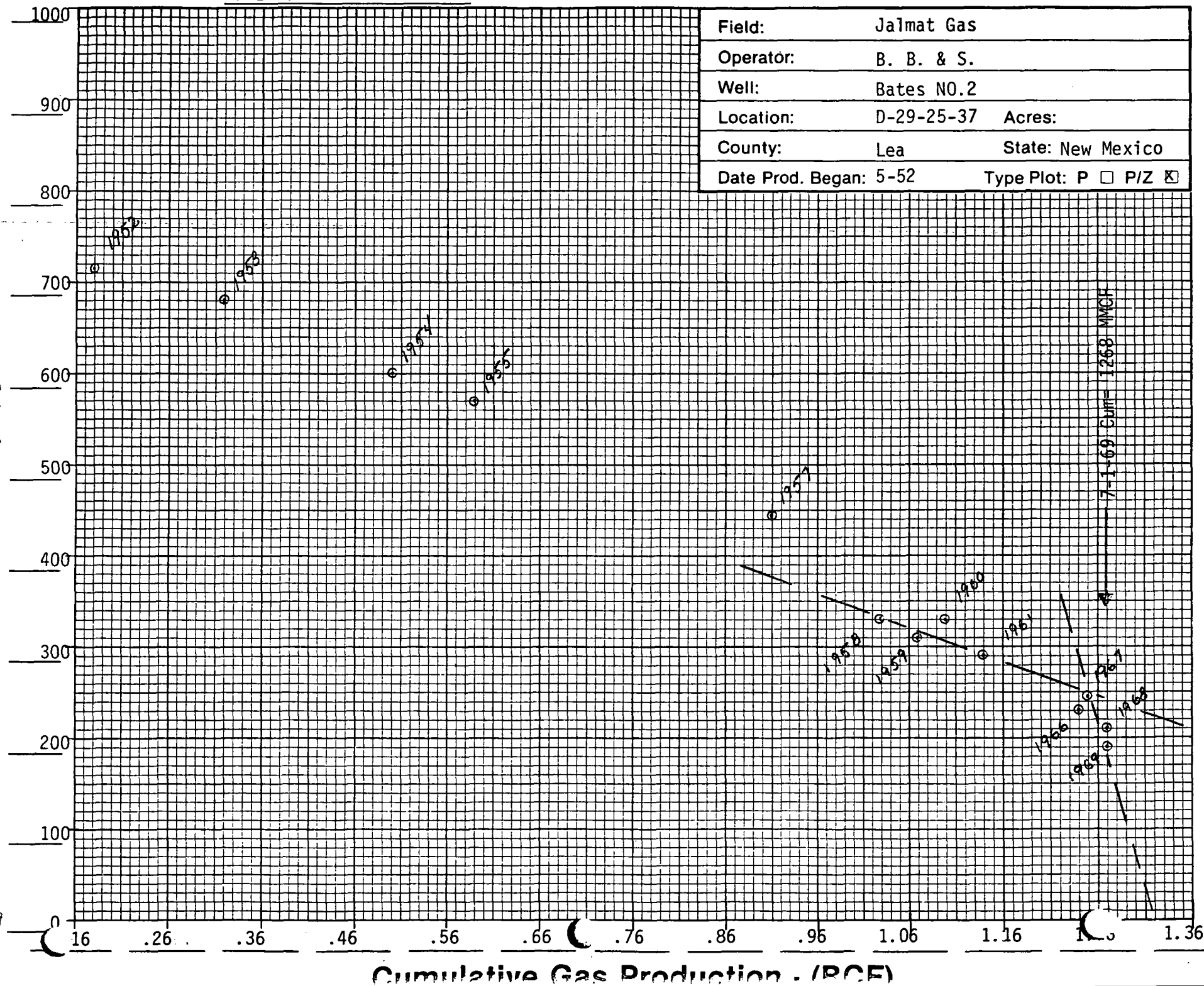


7-1-69

Cum. 1268.1 MMCF

Pressure or P/Z - (psia)

Field:	Jalmat Gas		
Operator:	B. B. & S.		
Well:	Bates NO.2		
Location:	D-29-25-37	Acres:	
County:	Lea	State: New Mexico	
Date Prod. Began:	5-52	Type Plot:	P ☐ P/Z ☒



GAS PRODUCTION HISTORY

Date 12-15-80

Page 1 of 1

Operator: Doyle Hartman

Well: Bates B B & S No. 1

Location: E-29-25-37

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	9369
Feb.	_____	Aug.	10272
March	10672	Sept.	9411
April	11522	Oct.	10375
May	10128	Nov.	9649
June	9553	Dec.	8790

19_81_ Detail Summary

Jan.	<u>10233</u>	July	<u> </u>
Feb.	<u>8980</u>	Aug.	<u> </u>
March	<u>9755</u>	Sept.	<u> </u>
April	<u>8437</u>	Oct.	<u> </u>
May	<u>8770</u>	Nov.	<u> </u>
June	<u>8497</u>	Dec.	<u> </u>

Production (Y-T-D) 54672 MCF

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

Avg. Rate (Y-T-D) 9112 MCF/mo.

E-29-25-37

12-1-80 Cum: 90.9 MMCF

Gas Production - MCF/month

100,000

10,000

1,000

400

Field: Jalmat (Gas)

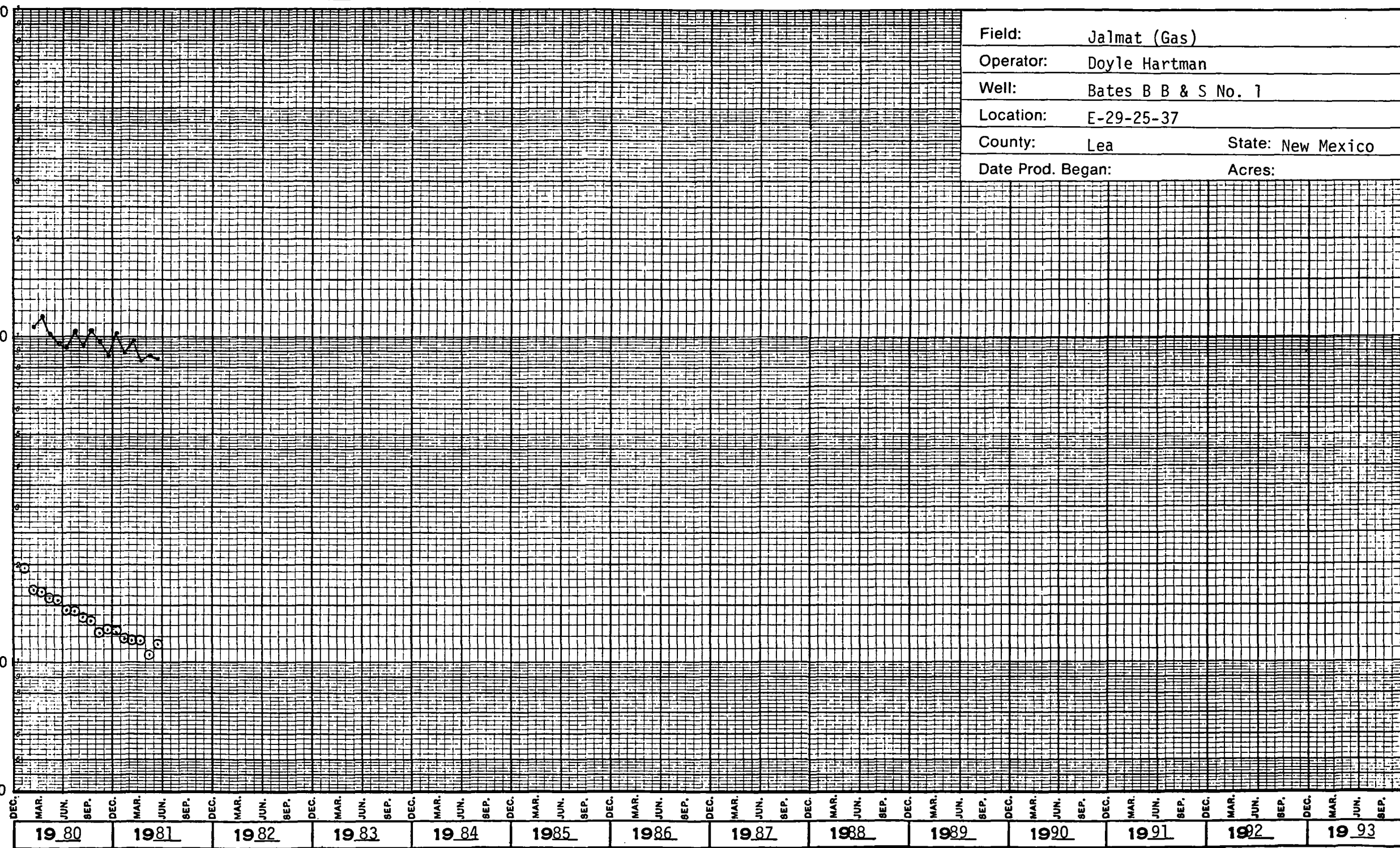
Operator: Doyle Hartman

Well: Bates B B & S No. 1

Location: E-29-25-37

County: Lea State: New Mexico

Date Prod. Began: Acres:



DOYLE HARTMAN

Oil Operator

500 N. MAIN

P. O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

November 23, 1981

Offset Jalmat (Gas) Operators
Bates No. 3
API No. 30-025-27542
1210 FWL & 1635 FSL (M)
Section 20, T-25-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 Bates No. 3. The proration unit to which the Bates No. 3 is dedicated is SW/4 Section 20, and the Bates No. 1 (L-20-25S-37E) is located on the tract along with the application well.

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

Approved this _____ day of _____, 1981.

Bettis, Boyle and Stovall

Lewis B. Burleson

Sun-Texas

List of Offset Jalmat (Gas) Operators

Doyle Hartman
Bates No. 3
L-20-25S-37E
(SW/4 Section 20, T-25-S, R-37-E)
Lea County, New Mexico

Operator	Well Name	Well Location	Proration Unit	No. of Acres
Bettis, Boyle and Stovall	B. M. Justis No. 1	H-19-25S-37E	SE/4 NE/4 Sec. 19	40
Bettis, Boyle and Stovall	Christmas No. 1	E-20-25S-37E	SW/4 NW/4 Sec. 20	40
Bettis, Boyle and Stovall	B. M. Justis No. 7	F-20-25S-37E	SE/4 NW/4 Sec. 20	40
Bettis, Boyle and Stovall	B. M. Justis No. 8	G-20-25S-37E	SW/4 NE/4 Sec. 20	40
Lewis B. Burleson	Horner No. 3	J-20-25S-37E	W/2 SE/4 Sec. 20	80
Lewis B. Burleson	Coll "A" No. 1	G-29-25S-37E	NE/4 Sec. 29	160
Bettis, Boyle and Stovall	Exxon-Bates No. 1	C-20-25S-37E	NE/4 NW/4 Sec. 29	40
Doyle Hartman	Bates-BB&S No. 1	E-20-25S-37E	NW/4 NW/4, S/2 NW/4 Sec. 29	120
Sun Texas	Winningham No. 2	P-19-25S-37E	E/2 SE/4 Sec. 19	80
Sun Texas	Winningham No. 1	C-30-25S-37E	E/2 & E/2 NW/4	400
	Winningham No. 3	I-30-25S-37E	Sec. 30	
	Winningham No. 7	H-30-25S-37E		