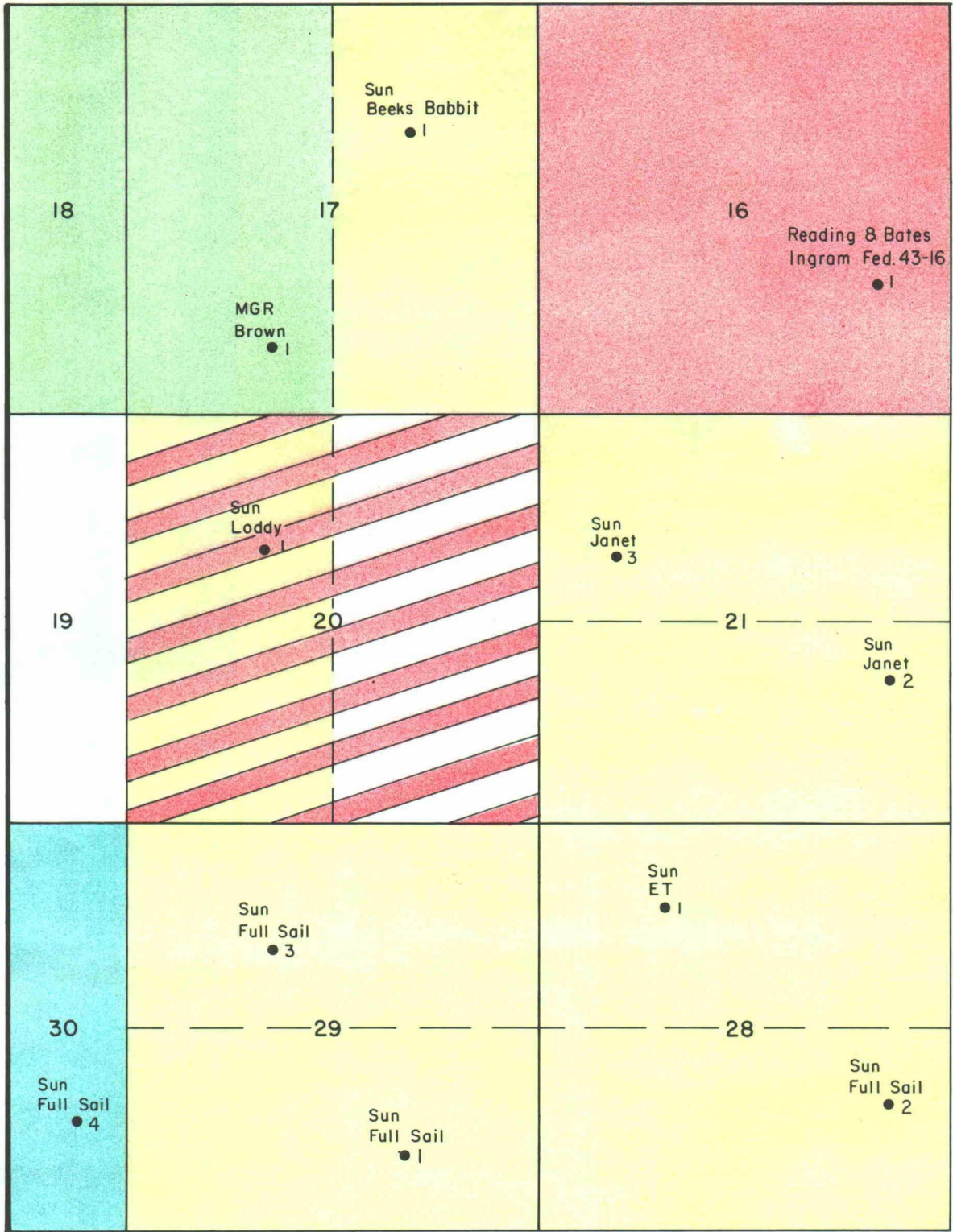


R. 2 W.



T. 25 N.

- 187 Acres
- 320 Acres
- 505 Acres
- 640 Acres

**MESA GRANDE LTD.**

**GAVILAN AREA**

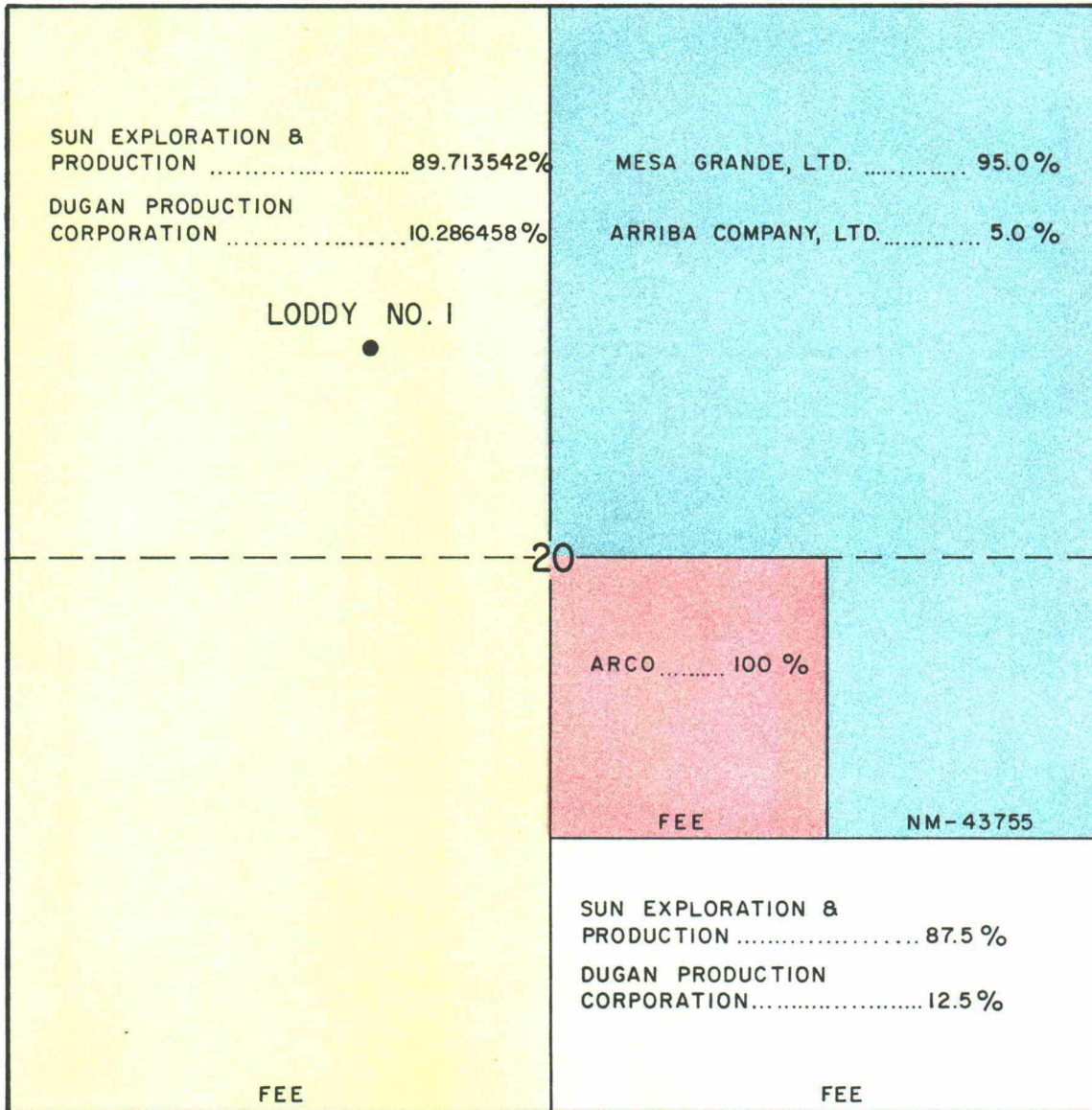
RIO ARRIBA COUNTY, NEW MEXICO

GAVILAN MANCOS PRORATION UNITS  
EXISTING & PROPOSED

BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION  
 CASE NO. \_\_\_\_\_ SCALE: 1" = 2000'  
 EXHIBIT NO. \_\_\_\_\_ DATE: January, 1988

# LEASEHOLD OWNERSHIP PLAT

Township 25 North, Range 2 West, NMPM  
Rio Arriba County, New Mexico



## LODDY INTEREST BREAKDOWN

640 Acre Proration Unit

Mesa Grande, Ltd. .... 29.6875 %  
 Arria Company, Ltd. .... 1.5625 %  
 Dugan Production Corp. .... 6.705729 %  
 Arco ..... 6.25000 %  
 Sun Exploration & Prod. .... 55.794271 %

## MESA GRANDE, LTD.

RIO ARRIBA COUNTY, NEW MEXICO

BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION  
 CASE NO. \_\_\_\_\_ SCALE: 6" = 1 MILE  
 EXHIBIT NO. \_\_\_\_\_ DATE: January, 1988

Mesa Grande, Ltd.

1307 PHILTOWER BUILDING  
TULSA, OKLAHOMA 74103  
(918) 584 3802

July 8, 1987

CERTIFIED-RETURN RECEIPT REQUESTED

Ms. Lisa Shea  
Sun Exploration & Production Company  
P. O. Box 5940  
Terminal Annex  
Denver, CO 80217-5940

Re: Loddy #1 Well  
Section 20-T25N-R2W  
Rio Arriba County, NM

Dear Ms. Shea:

The New Mexico Oil Conservation Commission issued Order #R-7407-E effective June 8, 1987 for the Gavilan Mancos Oil Pool, Rio Arriba County, New Mexico. The Order, in part, provided for 640 acre proration units for that pool.

Mesa Grande, Ltd. owns 190 undeveloped acres in the E/2 of Section 20, which offsets Sun Exploration & Production Company's Loddy #1 well, located in the W/2 of Section 20. After careful review of Order #R-7407-E, we believe it is appropriate that Mesa Grande, Ltd. pay our share of drilling and completion costs for the Loddy #1 well and participate in production therefrom from the effective date of the Order (June 8, 1987), rather than drill an "unnecessary well" in the E/2 of Section 20 at this time.

Therefore, please provide Mesa Grande, Ltd. with a billing for its share of actual well costs (with supporting invoices), an Operating Agreement, and revised Communitization Agreement covering the 640 acre proration unit.

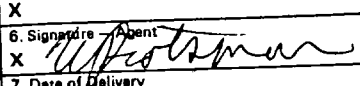
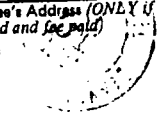
We will expect a response from Sun within fifteen (15) days from receipt of this letter. In the event that no response is received, Mesa Grande, Ltd. will file an Application for Compulsory Pooling with the NMOCD. --

Very truly yours,

  
L. Sweet

LDS/ds

● **SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. <input type="checkbox"/> Show to whom delivered, date, and addressee's address.		2. <input type="checkbox"/> Restricted Delivery.	
3. Article Addressed to: Ms. Lisa Shea Sun Exploration & Production Co. P. O. Box 5940 Terminal Annex Denver, CO 80217-5940		4. Article Number P-468 239 693	
5. Signature - Addressee X		Type of Service: <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input type="checkbox"/> COD	
6. Signature - Agent X 		Always obtain signature of addressee or agent and <b>DATE DELIVERED</b> .	
7. Date of Delivery		8. Addressee's Address (ONLY if requested and fee paid) 	

PS Form 3811, Feb. 1986 DOMESTIC RETURN RECEIPT

# Mesa Grande, Ltd.

1307 PHILTOWER BUILDING  
TULSA, OKLAHOMA 74103  
(918) 584 3802

August 16, 1987

CERTIFIED MAIL- RETURN RECEIPT REQUESTED

Mr. Frank E. Syfan, Jr.  
Manager Joint Operations  
Sun Exploration and Production Company  
P. O. Box 5940 TA  
Denver, CO 80217-5940


Re: Loddy #1 Well  
Section 20-T25N-R2W  
Rio Arriba County, NM

Dear Mr. Syfan:

It has been six weeks since our July 7, 1987 correspondence to Sun Exploration and Production Company requesting that Mesa Grande, Ltd. voluntarily commit our undeveloped interests in the E/2 of Section 20-T25N-R2W, to your Loddy #1 Well in accordance with NMDCD Order #R-7407-E, effective June 8, 1987 for the Gavilan Mancos Oil Pool, Rio Arriba County, New Mexico.

As we have not yet received a response from Sun we have asked our attorneys to file an Application for Compulsory Pooling with the NMDCD. However, please be advised that we would prefer to participate in the well in accordance with the terms of our July 8, 1987 correspondence. If Sun accepts our good faith offer, we will drop our Compulsory Pooling Application.

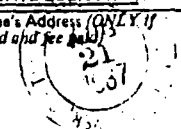
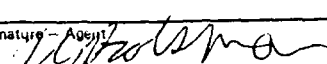
Very truly yours,



Larry D. Sweet

LDS:rbs

cc: Arriba Company, Ltd.  
Dugan Production Company

<b>SENDER:</b> Complete Items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.	
1. <input type="checkbox"/> Show to whom delivered, date, and addressee's address.	2. <input type="checkbox"/> Restricted Delivery.
3. Article Addressed to: Mr. Frank E. Syfan, Jr. Sun Expl. & Prod. Co. P.O. Box 5940 TA Denver, CO 80217-5940	4. Article Number P-468-239 694  Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid) 
6. Signature - Agent X 	
7. Date of Delivery	

RECEIVED

AUG 20 1987

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

OIL CONSERVATION DIVISION

APPLICATION OF MESA GRANDE, LTD.  
FOR COMPULSORY POOLING, RIO ARRIBA  
COUNTY, NEW MEXICO.

Case No. \_\_\_\_\_

APPLICATION

Mesa Grande, Ltd. hereby makes application for an Order pooling all interests in the Gallup formation of the Gavilan-Mancos Oil Pool in Section 20, Township 25 North, Range 2 West, N.M.P.M., Rio Arriba County, New Mexico, and in support thereof would show:

1. Applicant is a working interest owner in the E $\frac{1}{2}$  of Section 20, Township 25 North, Range 2 West, N.M.P.M., Rio Arriba County, New Mexico.

2. The Loddy No. 1 Well was drilled and completed by Jerome P. McHugh in July and August of 1985, and the W $\frac{1}{2}$  of Section 20 was dedicated to the well. The current operator of said well is Sun Exploration and Production Company.

3. The New Mexico Oil Conservation Commission issued Order No. R-7407-E, effective June 8, 1987, which provides for 640 acre spacing and proration units for the Gavilan-Mancos Oil Pool.

4. Applicant has in good faith sought to join in the well and to pay its proportionate share of actual well costs to the well operator.

5. Although Applicant has attempted to voluntarily commit its interest to the well, the well operator has refused to permit Applicant to pay its share of costs and participate in well production. Therefore, Applicant seeks an Order pooling all

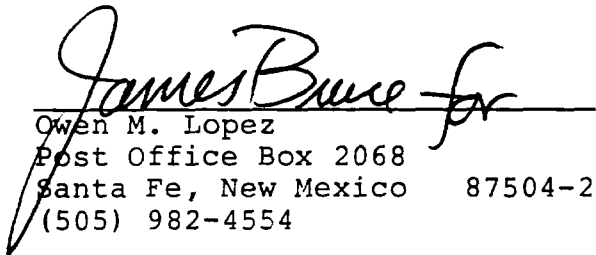
interests in the Gallup formation of the Gavilan-Mancos Oil Pool underlying all of Section 20, pursuant to N.M. Stat. Ann. §§ 70-2-17, 18 (1978), to be effective as of June 8, 1987.

6. Applicant asks that the Division consider the cost of drilling and completing the well, the allocation of the cost thereof, as well as actual operating costs and costs charged for supervision. Applicant requests that Sun Exploration and Production Company remain as operator of the well.

7. The pooling of all interests underlying Section 20 will prevent the drilling of unnecessary wells, prevent waste, and protect correlative rights.

HINKLE, COX, EATON,  
COFFIELD & HENSLEY

By

  
Owen M. Lopez  
Post Office Box 2068  
Santa Fe, New Mexico 87504-2068  
(505) 982-4554

Dated: August 20, 1987

Attorneys for Applicant

Mesa Grande, Ltd.

1307 PHILTOWER BUILDING  
TULSA, OKLAHOMA 74103  
(918) 584-3802

September 14, 1987

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Sun Exploration & Production Co.  
P. O. Box 5940  
Denver, CO 80217-5940


Re: Application of Mesa Grande, Ltd.  
for Compulsory Pooling  
Rio Arriba County, New Mexico

Gentlemen:

Enclosed is a copy of Mesa Grande, Ltd.'s Application for compulsory pooling filed August 20, 1987 with the NMOCDC, pooling all interest in the Gallup formation of the Gavilan-Mancos Oil Pool, Section 20, T25N, R2W, Rio Arriba County, New Mexico.



We have requested that this matter be heard before the full Commission on October 15, 1987.

Very truly yours,

  
L. Sweet

LDS: rbs

Enclosures

<p>● <b>SENDER:</b> Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. <u>The return receipt fee will provide you the name of the person delivered to and the date of delivery.</u> For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.</p>	
1. <input type="checkbox"/> Show to whom delivered, date, and addressee's address.      2. <input type="checkbox"/> Restricted Delivery.	
3. Article Addressed to: Sun Exploration & Production Co. Post Office Box 5940, T.A. Denver, Colorado 80217-5940	4. Article Number P259-367-243 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid) 
6. Signature - Agent X 	
7. Date of Delivery	

Mesa Grande, Ltd.

1307 PHILTOWER BUILDING  
TULSA, OKLAHOMA 74103  
(918) 584-3802

September 14, 1987

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Arriba Company, Ltd.  
P. O. Box 35304  
Tulsa, OK 74153

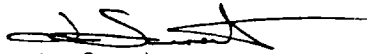
Re: Application of Mesa Grande, Ltd.  
for Compulsory Pooling  
Rio Arriba County, New Mexico

Gentlemen:

Enclosed is a copy of Mesa Grande, Ltd.'s Application for compulsory pooling filed August 20, 1987 with the NMOCOD, pooling all interest in the Gallup formation of the Gavilan-Mancos Oil Pool, Section 20, T25N, R2W, Rio Arriba County, New Mexico.

We have requested that this matter be heard before the full Commission on October 15, 1987.

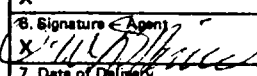
Very truly yours,

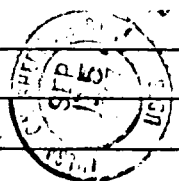


L. Sweet

LDS: rbs

Enclosures

<b>SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.</b> Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.	
1. <input type="checkbox"/> Show to whom delivered, date, and addressee's address.	2. <input type="checkbox"/> Restricted Delivery.
3. Article Addressed to: Arriba Company Ltd. Post Office Box 35304 Tulsa, Oklahoma 74153	4. Article Number P259-367-240 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail
5. Signature - Addressee X	Always obtain signature of addressee or agent and DATE DELIVERED.
6. Signature - Agent X 	8. Addressee's Address (ONLY if requested and fee paid)
7. Date of Delivery	





# Mesa Grande, Ltd.

1307 PHILTOWER BUILDING  
TULSA, OKLAHOMA 74103  
(918) 584-3602

September 14, 1987

## CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Arco Oil & Gas Inc.  
P. O. Box 1610  
Midland, TX 79702

Re: Application of Mesa Grande, Ltd.  
for Compulsory Pooling  
Rio Arriba County, New Mexico

Gentlemen:

Enclosed is a copy of Mesa Grande, Ltd.'s Application for compulsory pooling filed August 20, 1987 with the NMCCD, pooling all interest in the Gallup formation of the Gavilan-Mancos Oil Pool, Section 20, T25N, R2W, Rio Arriba County, New Mexico.

We have requested that this matter be heard before the full Commission on October 15, 1987.

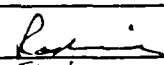

Very truly yours,



L. Sweet

LDS:rbs

Enclosures

<b>SENDER:</b> Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.	
1. <input type="checkbox"/> Show to whom delivered, date, and addressee's address.      2. <input type="checkbox"/> Restricted Delivery.	
3. Article Addressed to:  Arco Oil & Gas Inc. Post Office Box 1610 Midland, Texas 79702	4. Article Number P259-367-241  Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail
Always obtain signature of addressee or agent and <b>DATE DELIVERED</b> .	
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X 	
7. Date of Delivery 9-16-87 	

# Mesa Grande, Ltd.

1307 PHILTOWER BUILDING  
TULSA, OKLAHOMA 74103  
(918) 584-3802

September 14, 1987

## CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Dugan Production Corp.  
P. O. Box 208  
Farmington, NM 87499-0208

Re: Application of Mesa Grande, Ltd.  
for Compulsory Pooling  
Rio Arriba County, New Mexico

Gentlemen:

Enclosed is a copy of Mesa Grande, Ltd.'s Application for compulsory pooling filed August 20, 1987 with the NMOCD, pooling all interest in the Gallup formation of the Gavilan-Mancos Oil Pool, Section 20, T25N, R2W, Rio Arriba County, New Mexico.


We have requested that this matter be heard before the full Commission on October 15, 1987.

Very truly yours,

  
L. Sweet

LDS:rbs

Enclosures

<p>● <b>SENDER:</b> Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.</p>	
1. <input type="checkbox"/> Show to whom delivered, date, and addressee's address.      2. <input type="checkbox"/> Restricted Delivery.	
3. Article Addressed to:  Dugan Production Corp. Post Office Box 208 Farmington, New Mexico 87499-0208	4. Article Number P259-367-239  Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail  Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X 	
7. Date of Delivery 9-16-87	

PS Form 3811, Feb. 1986

DOMESTIC RETURN RECEIPT

Mesa Grande, Ltd.

1307 PHILTOWER BUILDING  
TULSA, OKLAHOMA 74103  
(918) 584-3802

September 14, 1987

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Kindermac Partners  
650 South Cherry, Suite 1225  
Denver, CO 80222

Re: Application of Mesa Grande, Ltd.  
for Compulsory Pooling  
Rio Arriba County, New Mexico

Gentlemen:

Enclosed is a copy of Mesa Grande, Ltd.'s Application for compulsory pooling filed August 20, 1987 with the NMOCD, pooling all interest in the Gallup formation of the Gavilan-Mancos Oil Pool, Section 20, T25N, R2W, Rio Arriba County, New Mexico.

We have requested that this matter be heard before the full Commission on October 15, 1987.

Very truly yours,



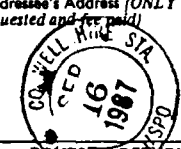
L. Sweet

LDS:rbs

Enclosures

*Handwritten note:*  
Subscribed - 1/1/87  
to L. Sweet

**SENDER: Completes items 1 and 2 when additional services are desired, and completes items 3 and 4.**  
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. <input type="checkbox"/> Show to whom delivered, date, and addressee's address.		2. <input type="checkbox"/> Restricted Delivery.	
3. Article Addressed to:  Kindermac Partners 650 South Cherry Suite 1225 Denver, Colorado 80222		4. Article Number P259-367-242	
		Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	
5. Signature - Addressee X		Always obtain signature of addressee or agent and DATE DELIVERED.	
6. Signature - Agent X <i>B. Sheldon</i>		8. Addressee's Address (ONLY if requested and fee paid)	
7. Date of Delivery			

PS Form 3811, Feb. 1986 DOMESTIC RETURN RECEIPT

# Mesa Grande, Ltd.

1307 PHILTOWER BUILDING  
TULSA, OKLAHOMA 74103  
(918) 584-3802

September 14, 1987

## CERTIFIED MAIL - RETURN RECEIPT REQUESTED

GWR Operating Co.  
1111 Bagby Street, Suite 1700  
Houston, TX 77002

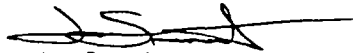
Re: Application of Mesa Grande, Ltd.  
for Compulsory Pooling  
Rio Arriba County, New Mexico

Gentlemen:

Enclosed is a copy of Mesa Grande, Ltd.'s Application for compulsory pooling filed August 20, 1987 with the NMOCD, pooling all interest in the Gallup formation of the Gavilan-Mancos Oil Pool, Section 20, T25N, R2W, Rio Arriba County, New Mexico.

We have requested that this matter be heard before the full Commission on October 15, 1987.

Very truly yours,



L. Sweet

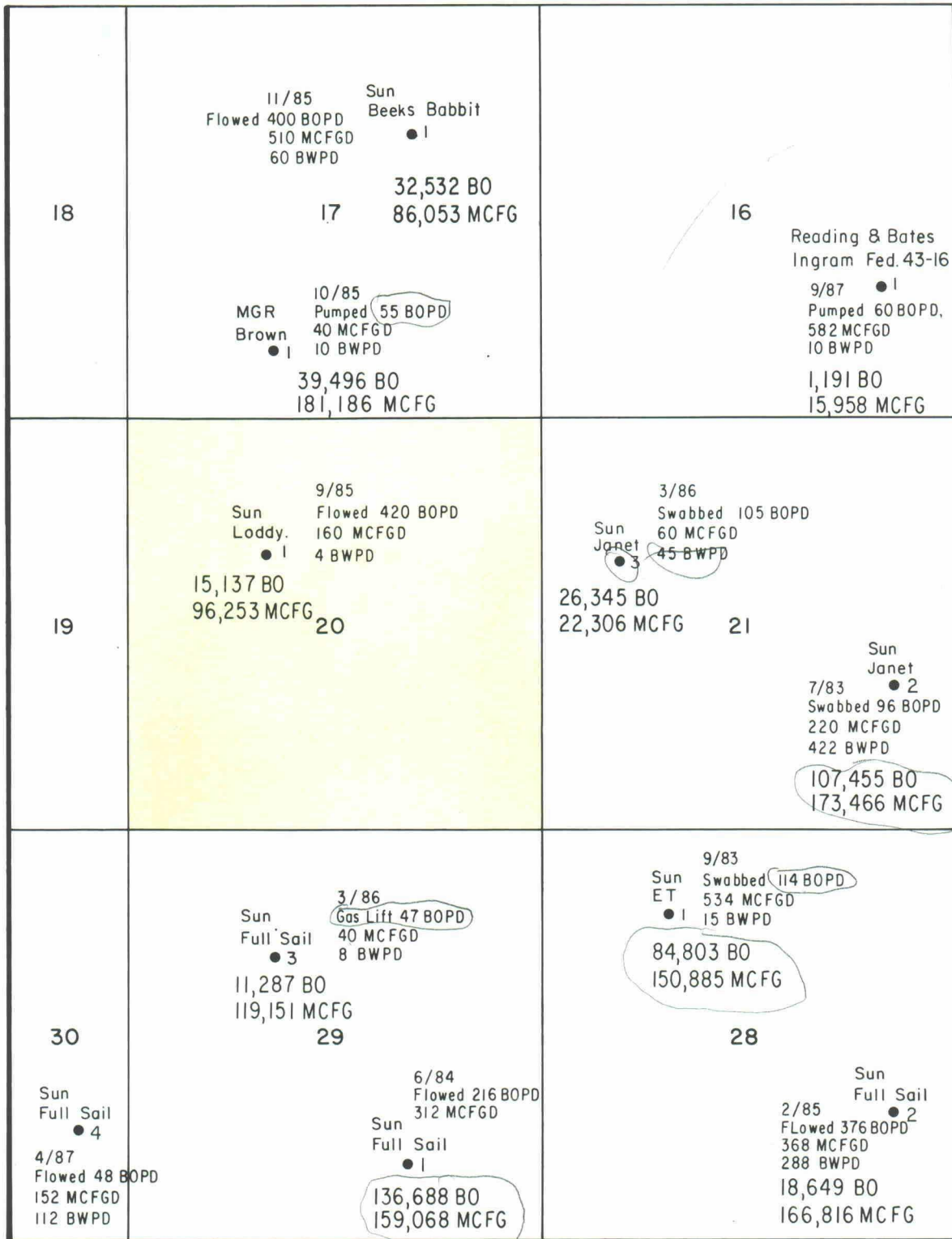
LDS:rb

Enclosures

*Handwritten note:*  
Sent to [unclear] to [unclear]

<b>SENDER:</b> Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.	
1. <input type="checkbox"/> Show to whom delivered, date, and addressee's address.	2. <input type="checkbox"/> Restricted Delivery.
3. Article Addressed to:  GWR Operating Co. 1111 Bagby St., Suite 1700 Houston, Texas 77002	4. Article Number P259-367-244  Type of Service: <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input type="checkbox"/> COD  Always obtain signature of addressee or agent and <b>DATE DELIVERED</b> .
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X <i>Gwen Alchison</i>	
7. Date of Delivery	

R. 2 W.



T. 25 N.

MESA GRANDE LTD.

GAVILAN AREA

RIO ARRIBA COUNTY, NEW MEXICO

GAVILAN MANCOS

PRODUCTION MAP

1/86 — COMPLETION DATE  
 Pumped 5380  
 170 MCFGD — INITIAL POTENTIAL  
 40 BWPD  
 87,493 BO — CUMULATIVE PRODUCTION  
 125,000 MCFG TO 11-1-87

BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION  
 CASE NO. \_\_\_\_\_  
 EXHIBIT NO. \_\_\_\_\_  
 SCALE: 1" = 2000'  
 DATE: January, 1988

R. 2 W.

18	<p style="text-align: center;">Sun Beeks Babbit ● 1 112/396/3.5</p> <p style="text-align: center;">17</p> <p>MGR Brown ● 1</p> <p style="text-align: center;">121.0/876/7.2</p>	<p style="text-align: center;">16</p> <p style="text-align: right;">Reading &amp; Bates Ingram Fed.43-16 ● 1</p> <p style="text-align: right;">52.1/260/5.0</p>
19	<p style="text-align: center;">Sun Loddy ● 1 76.9/330/4.3</p> <p style="text-align: center;">20</p>	<p style="text-align: center;">Sun Janet ● 3 20.0/39.9/2.0</p> <p style="text-align: center;">21</p> <p style="text-align: right;">Sun Janet ● 2</p> <p style="text-align: right;">7.4/34.8/4.7</p>
30	<p style="text-align: center;">Sun Full Sail ● 3 14.2/53.3/3.8</p> <p style="text-align: center;">29</p> <p style="text-align: center;">Sun Full Sail ● 1 57.5/167/2.9</p>	<p style="text-align: center;">Sun ET ● 1 2.6/211/79.6</p> <p style="text-align: center;">28</p> <p style="text-align: right;">Sun Full Sail ● 2 16.4/515/31.4</p>

T.  
25  
N.

MESA GRANDE LTD.

GAVILAN AREA

RIO ARRIBA COUNTY, NEW MEXICO

OCTOBER 1987 MONTHLY PRODUCTION RATES

DAILY OIL, BOPPD/DAILY GAS, MCFPPD/GOR, MCF/BBL

BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION

CASE NO. \_\_\_\_\_

SCALE: 1" = 2000'

EXHIBIT NO. \_\_\_\_\_

DATE: January, 1988

R. 2 W.

<p>18</p>	<p>Sun Beeks Babbit ● 1</p> <p>3,470/12,266/31</p> <p>17</p> <p>MGR Brown ● 1</p> <p>3,752/27,169/31</p>	<p>16</p> <p>Reading &amp; Bates Ingram Fed.43-16 ● 1</p> <p>1,362/6,767/26</p>
<p>19</p>	<p>Sun Loddy ● 1</p> <p>2,385/10,246/31</p> <p>20</p>	<p>Sun Janet ● 3</p> <p>620/1,236/31</p> <p>21</p> <p>Sun Janet ● 2</p> <p>228/1,080/31</p>
<p>30</p> <p>Sun Full Sail ● 4</p>	<p>Sun Full Sail ● 3</p> <p>439/1,652/31</p> <p>29</p> <p>Sun Full Sail ● 1</p> <p>1,782/5,188/31</p>	<p>Sun ET ● 1</p> <p>82/6,531/31</p> <p>28</p> <p>Sun Full Sail ● 2</p> <p>509/15,971/31</p>

T.  
25  
N.

MESA GRANDE LTD.

GAVILAN AREA

RIO ARRIBA COUNTY, NEW MEXICO

OCTOBER 1987 MONTHLY PRODUCTION

BBLs OIL/MCF GAS/PRODUCING DAYS

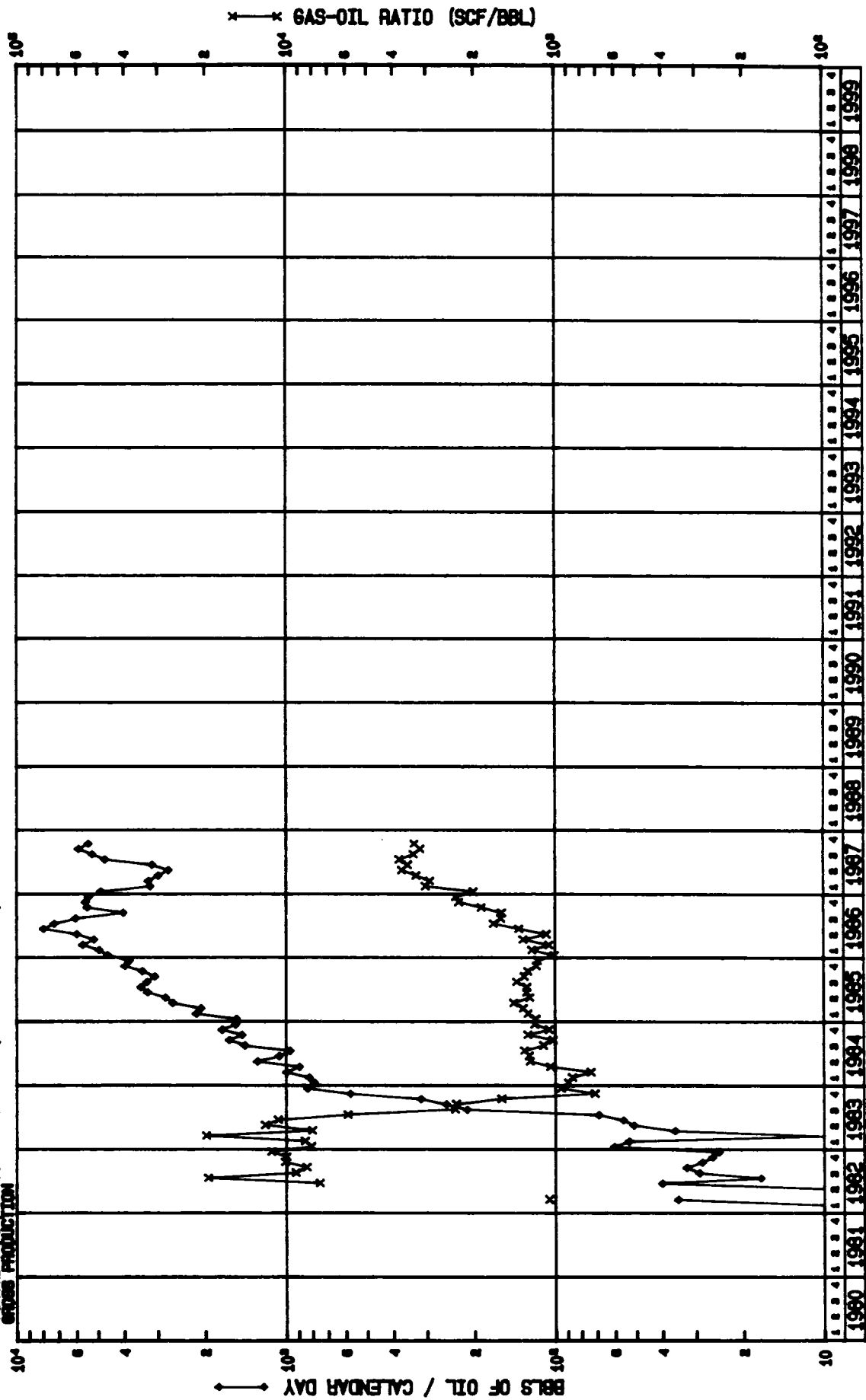
BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION

CASE NO. \_\_\_\_\_

SCALE: 1" = 2000'

DATE: January 1988

**SAVILAN MANCOS FIELD, RIO ARriba COUNTY, NM  
TOTAL POOL PRODUCTION  
(GAVANSUM, NAL)  
GROSS PRODUCTION**





GAVILAN MANCOS FIELD, RIO ARriba COUNTY, NM  
 TOTAL POOL PRODUCTION (GAVMNSUM.MAL)

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MCMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
12	1980		1.9	60.	.060	.0	0.	.000	.000	.0	0.	.000	.00	0.
Sub 1980			.2	60.		.0	0.		.000	.0	0.		.00	0.
1	1981		.0	0.	.060	.0	0.	.000	.000	.0	0.	.000	.00	0.
2	1981		.0	0.	.060	.0	0.	.000	.000	.0	0.	.000	.00	0.
3	1981		1.2	36.	.096	.0	0.	.000	.000	.0	0.	.000	.00	0.
4	1981		.2	6.	.102	.0	0.	.000	.000	.0	0.	.000	.00	0.
5	1981		.4	12.	.114	.0	0.	.000	.000	.0	0.	.000	.00	0.
6	1981		1.9	56.	.170	.0	0.	.000	.000	.0	0.	.000	.00	0.
7	1981		1.8	56.	.226	.0	0.	.000	.000	.0	0.	.000	.00	0.
8	1981		.5	16.	.242	.0	0.	.000	.000	.0	0.	.000	.00	0.
9	1981		.3	9.	.251	.0	0.	.000	.000	.0	0.	.000	.00	0.
10	1981		.0	0.	.251	.0	0.	.000	.000	.0	0.	.000	.00	0.
11	1981		.1	2.	.253	.0	0.	.000	.000	.0	0.	.000	.00	0.
12	1981		.1	4.	.257	.0	0.	.000	.000	.0	0.	.000	.00	0.
Sub 1981			.5	197.		.0	0.		.000	.0	0.		.00	0.
1	1982		.1	2.	.259	.0	0.	.000	.000	.0	0.	.000	.00	0.
2	1982		.1	4.	.263	.0	0.	.000	.000	.0	0.	.000	.00	0.
3	1982		34.9	1082.	1.345	36.6	1135.	1.135	1.049	.0	0.	.000	.00	0.
4	1982		.0	0.	1.345	.0	0.	1.135	.000	.0	0.	.000	.00	0.
5	1982		.3	10.	1.355	.0	0.	1.135	.000	.0	0.	.000	.00	0.
6	1982		39.9	1197.	2.552	298.3	8950.	10.085	7.477	1.9	56.	.056	.05	0.
7	1982		17.1	531.	3.083	332.0	10293.	20.378	19.384	.1	3.	.059	.01	0.
8	1982		29.0	899.	3.982	266.1	8249.	28.627	9.176	.4	13.	.072	.01	0.
9	1982		32.4	971.	4.953	270.5	8116.	36.743	8.358	.8	23.	.095	.02	0.
10	1982		28.4	879.	5.832	285.4	8847.	45.590	10.065	1.0	31.	.126	.04	0.
11	1982		25.9	778.	6.610	257.8	7733.	53.323	9.940	.1	3.	.129	.00	0.
12	1982		24.5	761.	7.371	277.6	8606.	61.929	11.309	.0	0.	.129	.00	0.
Sub 1982			19.5	7114.		169.7	61929.		8.705	.4	129.		.02	0.
1	1983		60.2	1865.	9.236	483.0	14974.	76.903	8.029	.1	3.	.132	.00	0.
2	1983		53.0	1485.	10.721	449.7	12591.	89.494	8.479	.5	15.	.147	.01	0.
3	1983		6.6	206.	10.927	131.0	4061.	93.555	19.714	.0	0.	.147	.00	0.
4	1983		35.8	1073.	12.000	285.1	8552.	102.107	7.970	.1	2.	.149	.00	0.
5	1983		50.8	1575.	13.575	606.1	18790.	120.897	11.930	1.9	60.	.209	.04	0.
6	1983		55.7	1670.	15.245	594.5	17835.	138.732	10.680	.2	5.	.214	.00	0.
7	1983		68.7	2129.	17.374	403.5	12509.	151.241	5.876	.1	3.	.217	.00	0.
8	1983		211.8	6565.	23.939	496.3	15384.	166.625	2.343	13.5	420.	.637	.06	0.
9	1983		252.9	7587.	31.526	587.0	17611.	184.236	2.321	3.3	98.	.735	.01	0.
10	1983		314.7	9756.	41.282	495.6	15364.	199.600	1.575	3.1	96.	.831	.01	0.
11	1983		576.2	17285.	58.567	407.8	12235.	211.835	.708	14.2	427.	1.258	.02	0.
12	1983		830.9	25758.	84.325	786.0	24366.	236.201	.946	9.5	296.	1.554	.01	0.
Sub 1983			210.8	76954.		477.5	174272.		2.265	3.9	1425.		.02	0.
1	1984		783.3	24281.	108.606	696.4	21589.	257.790	.889	9.0	279.	1.833	.01	0.
2	1984		820.1	23784.	132.390	705.3	20453.	278.243	.860	8.0	231.	2.064	.01	0.
3	1984		994.8	30838.	163.228	728.8	22593.	300.836	.733	7.0	217.	2.281	.01	0.
4	1984		891.2	26737.	189.965	924.1	27722.	328.558	1.037	9.2	276.	2.557	.01	0.
5	1984		1276.2	39563.	229.528	1577.8	48912.	377.470	1.236	5.0	156.	2.713	.00	0.
6	1984		1059.5	31786.	261.314	1318.5	39554.	417.024	1.244	6.2	186.	2.899	.01	0.
7	1984		965.1	29919.	291.233	1250.8	38776.	455.800	1.296	5.9	182.	3.081	.01	0.
8	1984		1420.6	44038.	335.271	1563.4	48465.	504.265	1.101	8.4	259.	3.340	.01	0.
9	1984		1621.4	48643.	383.914	1642.8	49283.	553.548	1.013	6.0	181.	3.521	.00	0.
10	1984		1456.7	45159.	429.073	1832.6	56812.	610.360	1.258	3.3	103.	3.624	.00	0.
11	1984		1724.0	51720.	480.793	1807.9	54238.	664.598	1.049	6.4	192.	3.816	.00	0.
12	1984		1535.5	47599.	528.392	1823.4	56525.	721.123	1.188	29.6	919.	4.735	.02	0.
Sub 1984			1213.3	444067.		1324.9	484922.		1.092	8.7	3181.		.01	0.

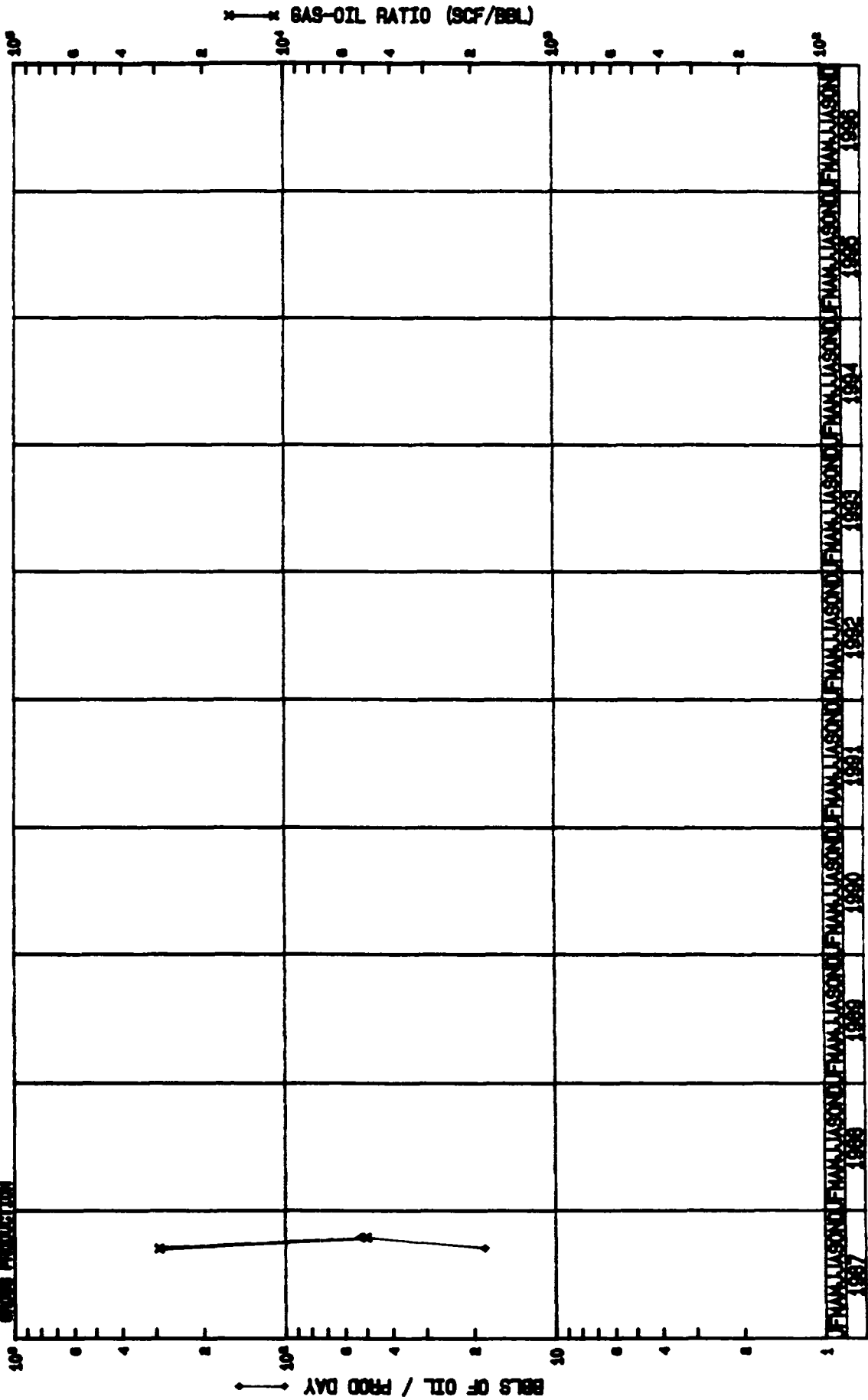
\* Per Calendar Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, NM  
 TOTAL POOL PRODUCTION (GAVMNSUM.MAL)

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
1	1985		1525.7	47296.	575.688	1792.5	55567.	776.690	1.175	112.8	3496.	8.231	.07	0.
2	1985		2149.2	60178.	635.866	2702.0	75657.	852.347	1.257	15.8	441.	8.672	.01	0.
3	1985		2063.2	63959.	699.825	2700.9	83727.	936.074	1.309	5.1	159.	8.831	.00	0.
4	1985		2623.9	78717.	778.542	3728.4	111853.	1047.927	1.421	18.6	559.	9.390	.01	0.
5	1985		2795.7	86667.	865.209	3459.3	107237.	1155.164	1.237	6.6	206.	9.596	.00	0.
6	1985		3248.9	97466.	962.675	4130.5	123916.	1279.080	1.271	6.4	191.	9.787	.00	0.
7	1985		3444.0	106764.	1069.439	4362.4	135235.	1414.315	1.267	5.3	164.	9.951	.00	0.
8	1985		3269.8	101363.	1170.802	4524.5	140259.	1554.574	1.384	6.7	208.	10.159	.00	0.
9	1985		3061.6	91849.	1262.651	3970.7	119121.	1673.695	1.297	4.8	145.	10.304	.00	0.
10	1985		3407.9	105645.	1368.296	4285.9	132864.	1806.559	1.258	14.9	463.	10.767	.00	0.
11	1985		3951.4	118543.	1486.839	4615.7	138470.	1945.029	1.168	11.8	353.	11.120	.00	0.
12	1985		3807.8	118042.	1604.881	4409.8	136703.	2081.732	1.158	21.0	650.	11.770	.01	0.
Sub	1985		2949.31076489.			3727.7	1360609.		1.264	19.3	7035.		.01	0.
1	1986		4580.5	141994.	1746.875	4585.7	142158.	2223.890	1.001	192.0	5951.	17.721	.04	0.
2	1986		4930.3	138048.	1884.923	5981.4	167479.	2391.369	1.213	61.5	1721.	19.442	.01	0.
3	1986		5669.5	175753.	2060.676	5940.6	184160.	2575.529	1.048	11.4	354.	19.796	.00	0.
4	1986		5154.4	154631.	2215.307	6745.4	202362.	2777.891	1.309	5.4	162.	19.958	.00	0.
5	1986		5967.2	184984.	2400.291	6390.6	198110.	2976.001	1.071	6.5	203.	20.161	.00	0.
6	1986		7923.3	237699.	2637.990	10756.6	322697.	3298.698	1.358	32.1	963.	21.124	.00	0.
7	1986		7237.4	224360.	2862.350	12203.5	378309.	3677.007	1.686	31.4	973.	22.097	.00	0.
8	1986		6031.5	186976.	3049.326	9542.9	295830.	3972.837	1.582	27.3	847.	22.944	.00	0.
9	1986		4013.4	120401.	3169.727	6306.8	189205.	4162.042	1.571	17.5	525.	23.469	.00	0.
10	1986		5452.8	169037.	3338.764	10192.6	315970.	4478.012	1.869	15.1	469.	23.938	.00	0.
11	1986		5533.5	166005.	3504.769	12541.8	376253.	4854.265	2.267	23.2	697.	24.635	.00	0.
12	1986		5383.5	166890.	3671.659	12525.5	388290.	5242.555	2.327	27.5	853.	25.488	.01	0.
Sub	1986		5662.42066778.			8659.8	3160823.		1.529	37.6	13718.		.01	0.
1	1987		4859.5	150646.	3822.305	9730.7	301651.	5544.206	2.002	27.1	839.	26.327	.01	0.
2	1987		3186.1	89212.	3911.517	9607.3	269005.	5813.211	3.015	24.1	674.	27.001	.01	0.
3	1987		3234.8	100280.	4011.797	9389.8	291083.	6104.294	2.903	20.8	646.	27.647	.01	0.
4	1987		2974.2	89226.	4101.023	9707.1	291214.	6395.508	3.264	25.3	760.	28.407	.01	0.
5	1987		2726.0	84507.	4185.530	10063.1	311957.	6707.465	3.691	26.4	818.	29.225	.01	0.
6	1987		3136.9	94108.	4279.638	10999.0	329969.	7037.434	3.506	25.6	768.	29.993	.01	0.
7	1987		4698.5	145654.	4425.292	17725.3	549485.	7586.919	3.773	22.6	700.	30.693	.00	0.
8	1987		5235.0	162285.	4587.577	17484.9	542032.	8128.951	3.340	14.9	461.	31.154	.00	0.
9	1987		5881.6	176449.	4764.026	18536.1	556083.	8685.034	3.152	21.3	640.	31.794	.00	0.
10	1987		5407.1	167621.	4931.647	17940.5	556157.	9241.191	3.318	20.8	645.	32.439	.00	0.
Sub	1987		4144.71259988.			13153.4	3998636.		3.174	22.9	6951.		.01	0.

\* Per Calendar Day

SAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N. M.  
 REYNOLDS & BATES, INDIAN FED 43-16 (SE/NE (1) 16-20N-2W) IN84316.MAL  
 1988 PRODUCTION

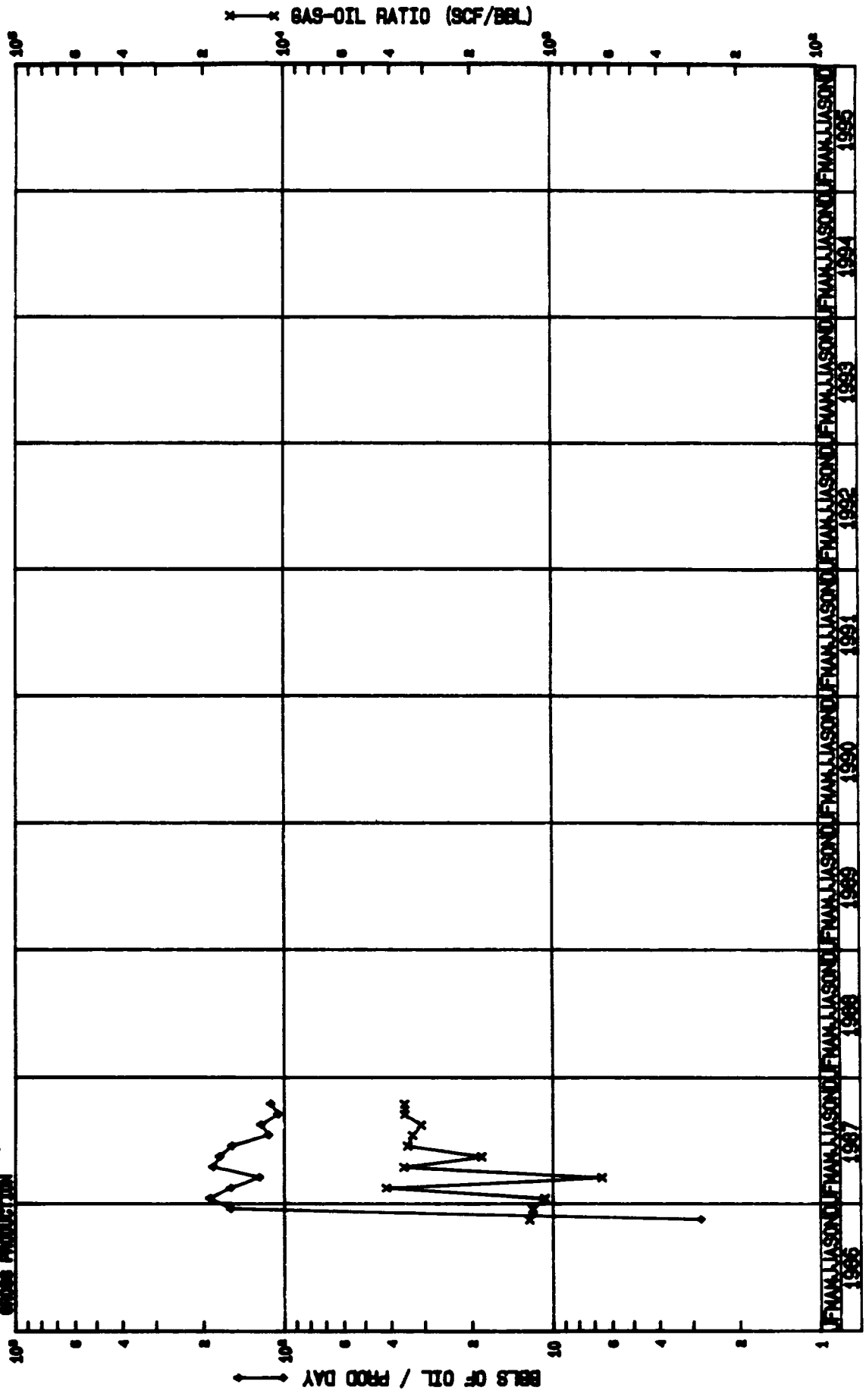


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 READING & BATES, INGRAM FED 43-16 (SE/NE(I) 16-25N-2W) ING4316.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
9	1987		18.3	73.	.073	530.0	2120.	2.120	29.041	.0	0.	.000	.00	4.
10	1987		52.4	1362.	1.435	260.3	6767.	8.887	4.968	.0	0.	.000	.00	26.
Sub	1987		47.8	1435.		296.2	8887.		6.193	.0	0.		.00	30.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, BEES BUBBIT #1 (SA/NE (6) 17-25N-2W) BEEKSB.MAL  
 CROSS FRACTION

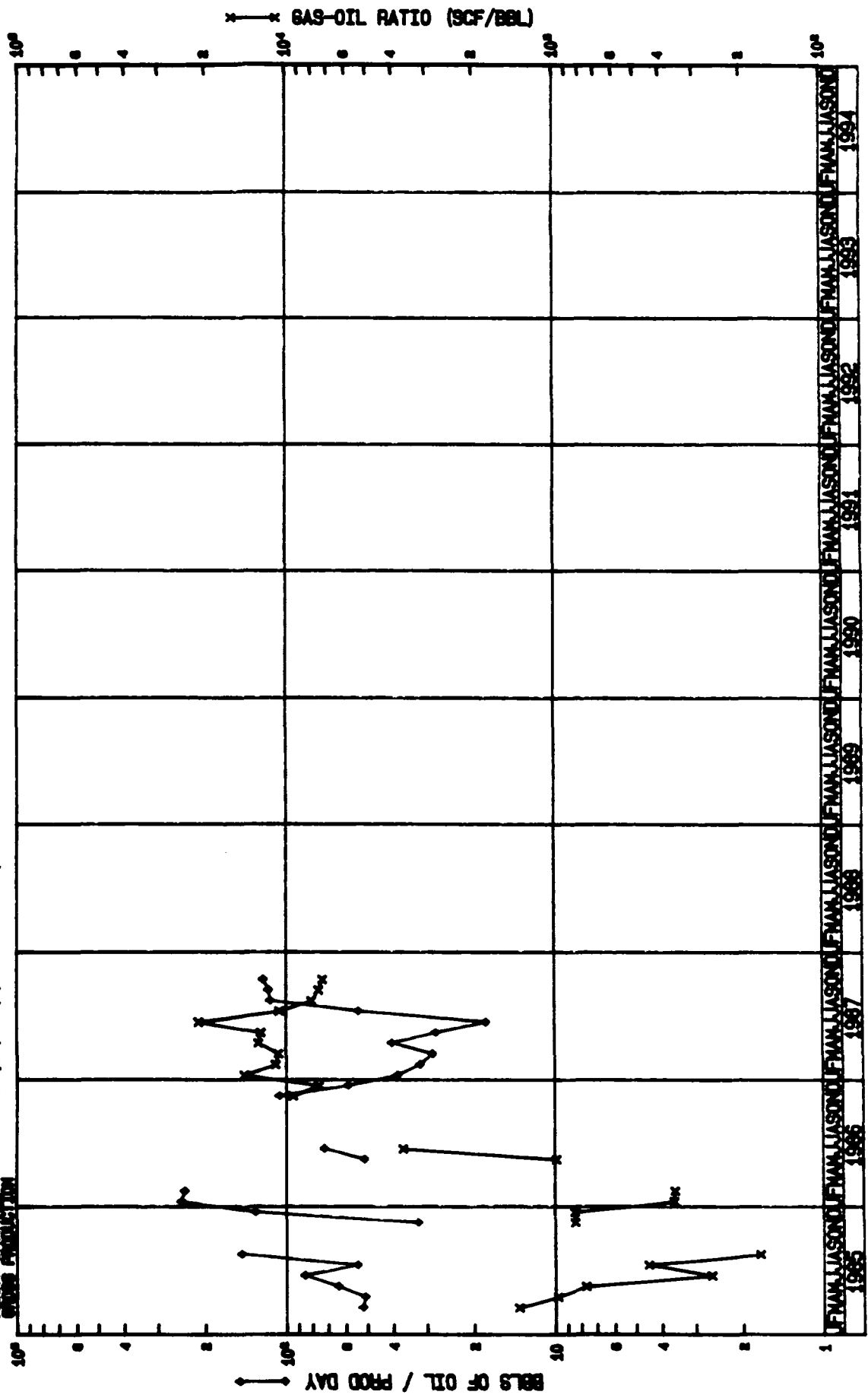


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, BEEKS RABBIT #1 (SW/NE(G) 17-25N-2W) BEEKSB.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER			Days Prod	
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB		WOR B/B
9	1986	SI	.0	0.	.000	.0	0.	.000	.000	.0	0.	.000	.00	0.
10	1986	SI	.0	0.	.000	.0	0.	.000	.000	.0	0.	.000	.00	0.
11	1986	OP	2.8	14.	.014	3.4	17.	.017	1.214	.0	0.	.000	.00	5.
12	1986	OP	158.3	3800.	3.814	187.0	4489.	4.506	1.181	.3	7.	.007	.00	24.
Sub 1986			131.5	3814.		155.4	4506.		1.181	.2	7.		.00	29.
1	1987	OF	188.8	3776.	7.590	200.9	4017.	8.523	1.064	.3	6.	.013	.00	20.
2	1987	F	158.0	1896.	9.486	654.0	7848.	16.371	4.139	.1	1.	.014	.00	12.
3	1987	F	123.5	1359.	10.845	80.4	884.	17.255	.650	.2	2.	.016	.00	11.
4	1987	F	184.0	2760.	13.605	655.4	9831.	27.086	3.562	.3	5.	.021	.00	15.
5	1987	F	173.7	3126.	16.731	317.1	5708.	32.794	1.826	.3	5.	.026	.00	18.
6	1987	F	156.4	2346.	19.077	539.5	8092.	40.886	3.449	.0	0.	.026	.00	15.
7	1987	F	114.1	3536.	22.613	376.6	11675.	52.561	3.302	.0	0.	.026	.00	31.
8	1987	F	121.8	3289.	25.902	373.4	10082.	62.643	3.065	.0	0.	.026	.00	27.
9	1987	F	105.0	3151.	29.053	371.5	11144.	73.787	3.537	.0	0.	.026	.00	30.
10	1987	F	111.9	3470.	32.523	395.7	12266.	86.053	3.535	.0	0.	.026	.00	31.
Sub 1987			136.7	28709.		388.3	81547.		2.840	.1	19.		.00	210.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
 MESA GRANDE BRONN #1 (SE/8W/40' 17-28N-2W) BRONN 1, MAL  
 CROSS PRODUCTION



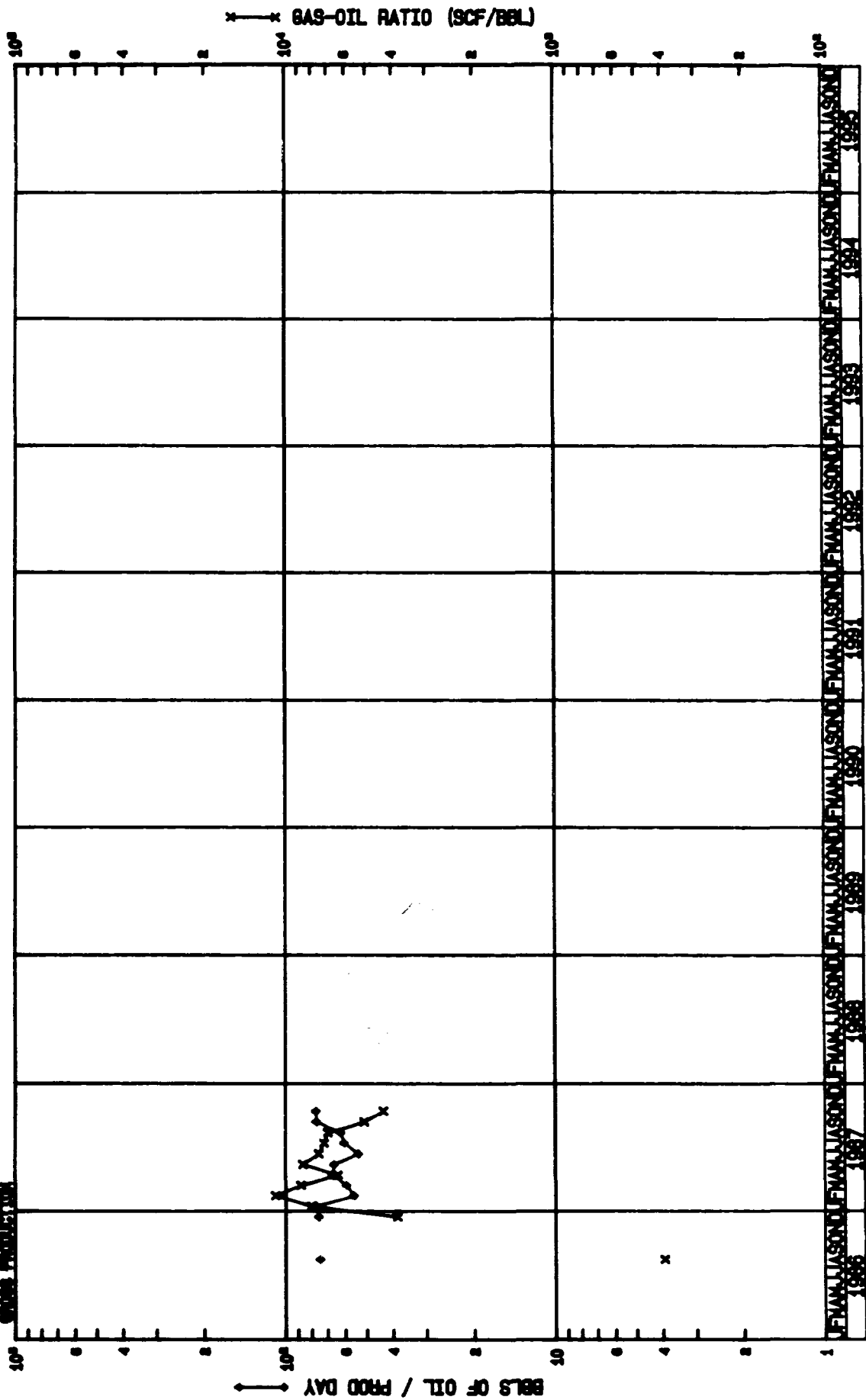
GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
MESA GRANDE, BROWN #1 (SE/SW(N) 17-25N-2W) BROWN1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
3	1985		51.7	517.	.517	70.0	700.	.700	1.354	4.8	48.	.048	.09	10.
4	1985		50.8	1220.	1.737	49.4	1185.	1.885	.971	9.6	231.	.279	.19	24.
5	1985		64.0	576.	2.313	48.9	440.	2.325	.764	5.2	47.	.326	.08	9.
6	1985		85.3	1023.	3.336	22.1	265.	2.590	.259	2.8	33.	.359	.03	12.
7	1985		54.3	977.	4.313	24.2	435.	3.025	.445	.4	7.	.366	.01	18.
8	1985		146.3	1170.	5.483	25.0	200.	3.225	.171	3.8	30.	.396	.03	8.
9	1985	SI	.0	0.	5.483	.0	0.	3.225	.000	.0	0.	.396	.00	0.
10	1985	SI	.0	0.	5.483	.0	0.	3.225	.000	.0	0.	.396	.00	0.
11	1985		32.3	968.	6.451	27.0	810.	4.035	.837	2.9	88.	.484	.09	30.
12	1985		130.0	3119.	9.570	108.8	2610.	6.645	.837	19.8	476.	.960	.15	24.
Sub	1985		70.9	9570.		49.2	6645.		.694	7.1	960.		.10	135.
1	1986		244.2	7326.	16.896	87.0	2610.	9.255	.356	.2	5.	.965	.00	30.
2	1986		237.5	3563.	20.459	84.0	1260.	10.515	.354	.0	0.	.965	.00	15.
3	1986	SI	.0	0.	20.459	.0	0.	10.515	.000	.0	0.	.965	.00	0.
4	1986	SI	.0	0.	20.459	.0	0.	10.515	.000	.0	0.	.965	.00	0.
5	1986		51.0	102.	20.561	50.0	100.	10.615	.980	.0	0.	.965	.00	2.
6	1986		72.0	144.	20.705	262.0	524.	11.139	3.639	.0	0.	.965	.00	2.
7	1986		.0	0.	20.705	.0	0.	11.139	.000	.0	0.	.965	.00	0.
8	1986		.0	0.	20.705	.0	0.	11.139	.000	.0	0.	.965	.00	0.
9	1986		.0	0.	20.705	.0	0.	11.139	.000	.0	0.	.965	.00	0.
10	1986		.0	0.	20.705	.0	0.	11.139	.000	.0	0.	.965	.00	0.
11	1986	OP	105.5	2533.	23.238	987.1	23690.	34.829	9.353	.0	0.	.965	.00	24.
12	1986	OP	58.5	1170.	24.408	438.3	8765.	43.594	7.491	.0	0.	.965	.00	20.
Sub	1986		159.5	14838.		397.3	36949.		2.490	.1	5.		.00	93.
1	1987	OP	38.3	230.	24.638	542.5	3255.	46.849	14.152	.0	0.	.965	.00	6.
2	1987	P	31.6	316.	24.954	343.0	3430.	50.279	10.854	.0	0.	.965	.00	10.
3	1987	P	28.3	708.	25.662	299.8	7496.	57.775	10.588	.0	0.	.965	.00	25.
4	1987	P	40.2	1004.	26.666	504.0	12599.	70.374	12.549	.0	0.	.965	.00	25.
5	1987	P	27.6	799.	27.465	338.2	9809.	80.183	12.277	.0	0.	.965	.00	29.
6	1987	P	18.0	413.	27.878	375.9	8645.	88.828	20.932	.0	0.	.965	.00	23.
7	1987	P	53.6	1662.	29.540	562.4	17435.	106.263	10.490	.0	0.	.965	.00	31.
8	1987	P	114.0	2735.	32.275	907.2	21773.	128.036	7.961	.0	0.	.965	.00	24.
9	1987	P	115.6	3469.	35.744	866.0	25981.	154.017	7.489	1.0	30.	.995	.01	30.
10	1987	P	121.0	3752.	39.496	876.4	27169.	181.186	7.241	2.6	80.	1.075	.02	31.
Sub	1987		64.5	15088.		588.0	137592.		9.119	.5	110.		.01	234.

\* Per Producing Day



SAVITIAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
 SUN EXPLORATION, LOODY #1 (BE/NM (F) 20-28N-24W) LOODY1.MAL  
 GAS PRODUCTION

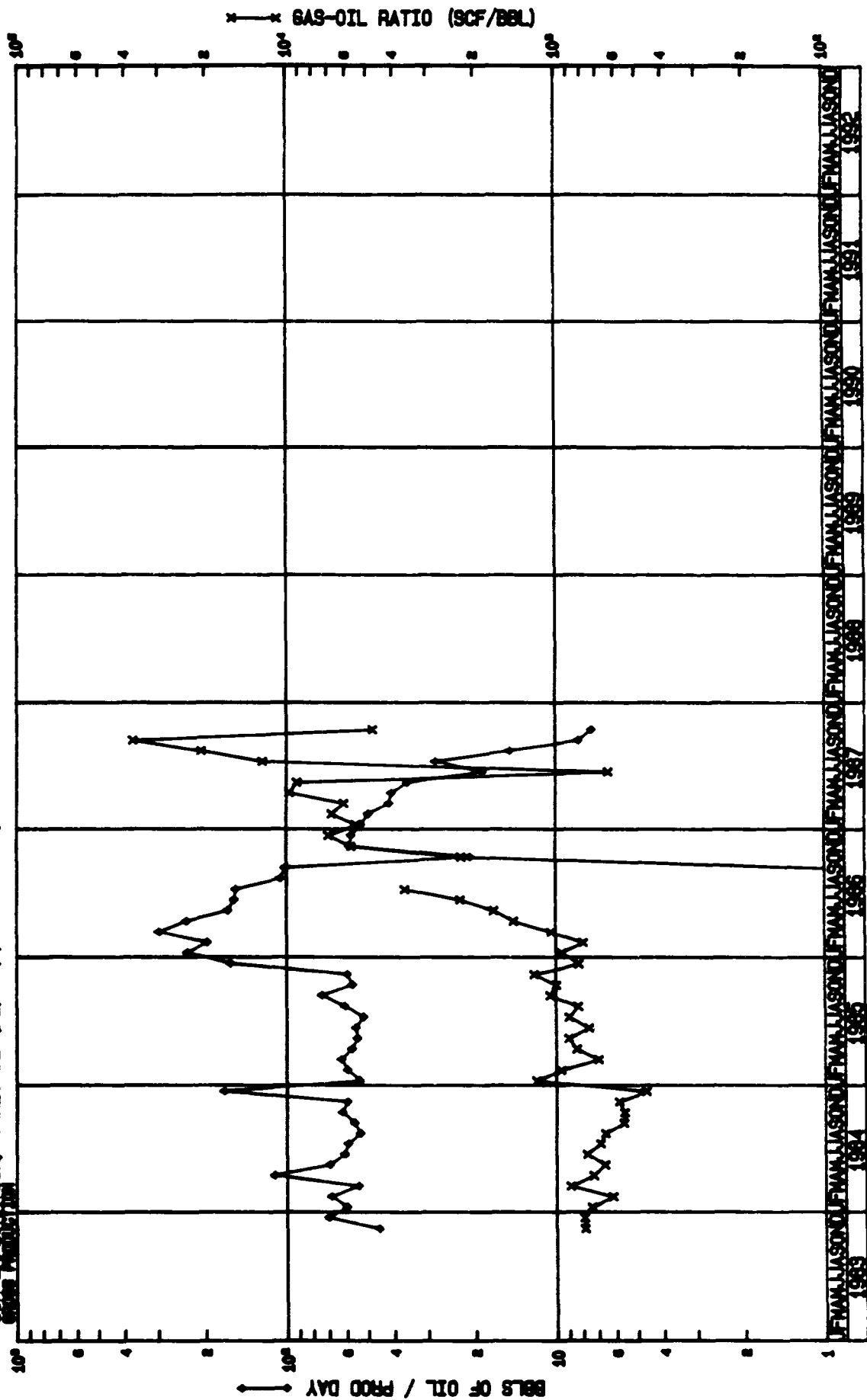


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORTION, LODDY #1 (SE/NW(F) 20-25N-2W) LODDY1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER			WCR	Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB		
8	1986		74.3	223.	.223	29.0	87.	.087	.390	1.0	3.	.003	.01	3
9	1986	SI	.0	0.	.223	.0	0.	.087	.000	.0	0.	.003	.00	0.
10	1986	SI	.0	0.	.223	.0	0.	.087	.000	.0	0.	.003	.00	0.
11	1986	SI	.0	0.	.223	.0	0.	.087	.000	.0	0.	.003	.00	0.
12	1986	OF	75.3	1205.	1.428	287.8	4604.	4.691	3.821	.1	2.	.005	.00	16.
Sub	1986		75.2	1428.		246.9	4691.		3.285	.3	5.		.00	19.
1	1987	OF	77.0	924.	2.352	612.6	7351.	12.042	7.956	2.6	31.	.036	.03	12.
2	1987	F	55.8	725.	3.077	603.7	7848.	19.890	10.825	.3	4.	.040	.01	13.
3	1987	F	59.4	891.	3.968	517.7	7765.	27.655	8.715	.2	3.	.043	.00	15.
4	1987	F	66.6	1132.	5.100	422.2	7178.	34.833	6.341	.3	5.	.048	.00	17.
5	1987	F	66.0	1056.	6.156	564.2	9027.	43.860	8.548	.2	3.	.051	.00	16.
6	1987	F	53.5	803.	6.959	399.1	5987.	49.847	7.456	.0	0.	.051	.00	15.
7	1987	F	60.4	1813.	8.772	431.0	12930.	62.777	7.132	.0	0.	.051	.00	30.
8	1987	F	62.2	1680.	10.452	429.5	11597.	74.374	6.903	.0	0.	.051	.00	27.
9	1987	F	76.7	2300.	12.752	387.8	11633.	86.007	5.058	.0	0.	.051	.00	30.
10	1987	F	76.9	2385.	15.137	330.5	10246.	96.253	4.296	.0	0.	.051	.00	31.
Sub	1987		66.5	13709.		444.5	91562.		6.679	.2	46.		.00	206.

\* Per Producing Day

SANTIAGO MANCOS FIELD, RIO ARBURA COUNTY, NM  
 SUN EXPLORATION, JANET #2 (NE/SE (1) 21-25N-20) JANET2.MAL  
 000000 1/1/83 1/1/83

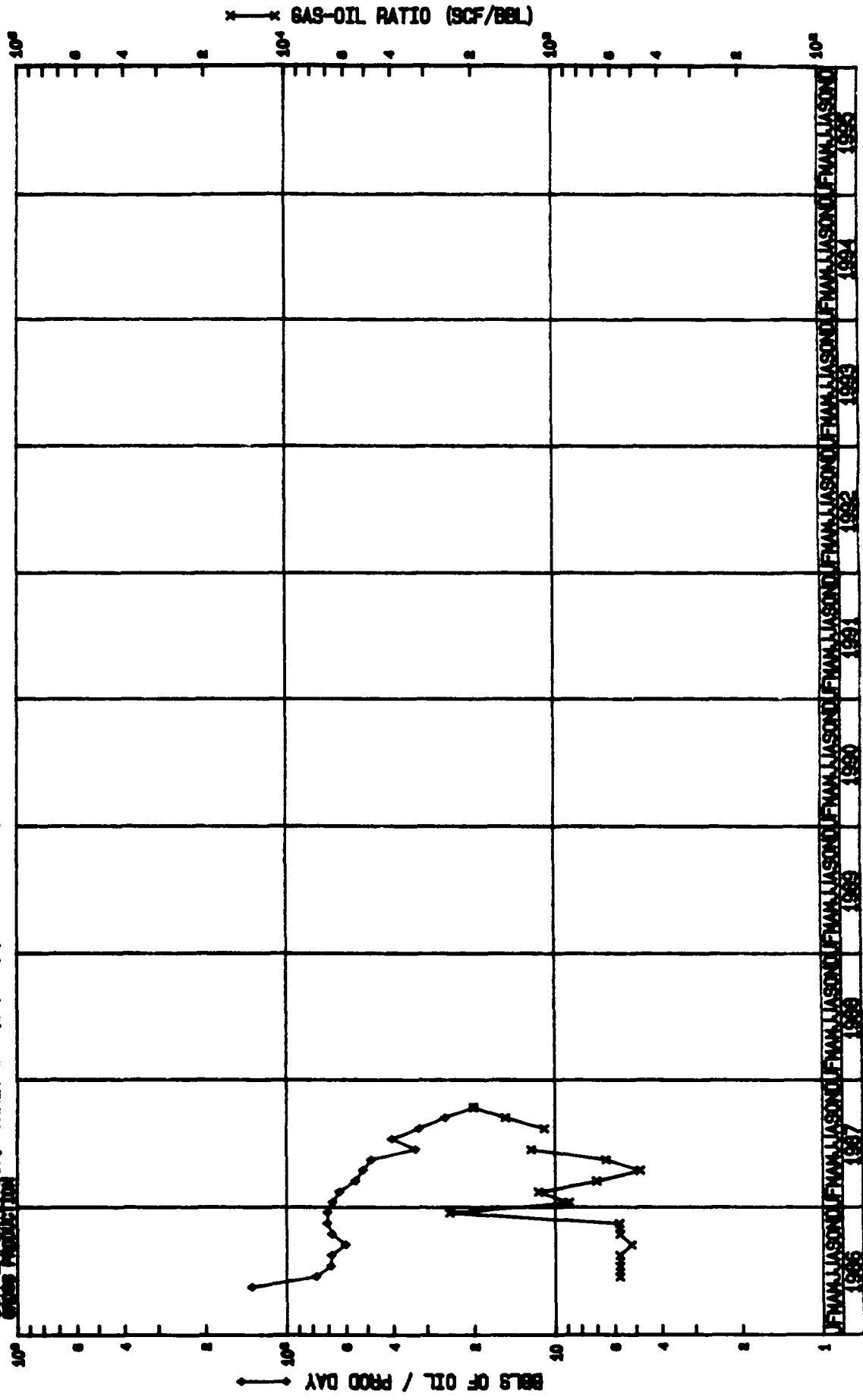


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, NM  
 SUN EXPLORATION, JANET #2 (NE/SE(I) 21-25N-2W) JANET2.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Proc
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
11	1983		45.7	1370.	1.370	35.6	1069.	1.069	.780	1.3	40.	.040	.03	30.
12	1983		70.1	2172.	3.542	54.8	1700.	2.769	.783	.0	0.	.040	.00	31.
Sub	1983		58.1	3542.		45.4	2769.		.782	.7	40.		.01	61.
1	1984		60.0	1801.	5.343	44.1	1323.	4.092	.735	.0	0.	.040	.00	30.
2	1984		68.4	1916.	7.259	42.0	1176.	5.268	.614	.0	0.	.040	.00	28.
3	1984		54.4	924.	8.183	47.9	814.	6.082	.881	.0	0.	.040	.00	17.
4	1984		111.5	892.	9.075	80.6	645.	6.727	.723	.0	0.	.040	.00	8.
5	1984		69.5	2156.	11.231	45.7	1418.	8.145	.658	.0	0.	.040	.00	31.
6	1984		61.0	1830.	13.061	46.6	1397.	9.542	.763	.0	0.	.040	.00	30.
7	1984		59.2	1836.	14.897	40.3	1249.	10.791	.680	.0	0.	.040	.00	31.
8	1984		53.4	1654.	16.551	34.9	1081.	11.872	.654	.0	0.	.040	.00	31.
9	1984		56.2	1686.	18.237	31.3	940.	12.812	.558	.2	5.	.045	.00	30.
10	1984		62.3	1868.	20.105	34.6	1037.	13.849	.555	.5	15.	.060	.01	30.
11	1984		59.6	1848.	21.953	34.6	1074.	14.923	.581	.2	7.	.067	.00	31.
12	1984		171.2	5306.	27.259	78.8	2442.	17.365	.460	.3	10.	.077	.00	31.
Sub	1984		72.3	23717.		44.5	14596.		.615	.1	37.		.00	328.
1	1985		53.5	1660.	28.919	62.8	1947.	19.312	1.173	.3	10.	.087	.01	31.
2	1985		59.4	1664.	30.583	56.5	1583.	20.895	.951	.4	10.	.097	.01	28.
3	1985		62.6	1503.	32.086	43.2	1037.	21.932	.690	.4	10.	.107	.01	24.
4	1985		57.3	1718.	33.804	47.7	1431.	23.363	.833	.5	15.	.122	.01	30.
5	1985		54.7	1640.	35.444	48.7	1462.	24.825	.891	.3	10.	.132	.01	30.
6	1985		55.5	1664.	37.108	41.5	1246.	26.071	.749	.3	10.	.142	.01	30.
7	1985		51.9	1610.	38.718	46.3	1434.	27.505	.891	.3	10.	.152	.01	31.
8	1985		60.8	1886.	40.604	50.0	1550.	29.055	.822	.3	10.	.162	.01	31.
9	1985		73.8	2214.	42.818	77.0	2310.	31.365	1.043	.3	10.	.172	.00	30.
10	1985		57.0	1766.	44.584	56.3	1745.	33.110	.988	.5	15.	.187	.01	31.
11	1985		59.6	1670.	46.254	71.4	1998.	35.108	1.196	.6	18.	.205	.01	28.
12	1985		162.3	5030.	51.284	132.5	4106.	39.214	.816	.6	20.	.225	.00	31.
Sub	1985		67.7	24025.		61.5	21849.		.909	.4	148.		.01	355.
1	1986		233.9	7250.	58.534	221.0	6852.	46.066	.945	.6	20.	.245	.00	31.
2	1986		197.9	5344.	63.878	155.7	4204.	50.270	.787	.7	20.	.265	.00	27.
3	1986		297.6	9225.	73.103	307.5	9534.	59.804	1.033	.5	15.	.280	.00	31.
4	1986		235.5	7064.	80.167	335.3	10059.	69.863	1.424	.5	15.	.295	.00	30.
5	1986		165.3	5125.	85.292	278.8	8642.	78.505	1.686	.6	20.	.315	.00	31.
6	1986		156.4	4692.	89.984	351.3	10538.	89.043	2.246	.7	20.	.335	.00	30.
7	1986		154.8	4798.	94.782	558.9	17325.	106.368	3.611	.6	20.	.355	.00	31.
8	1986		105.7	3065.	97.847	.0	0.	106.368	.000	.4	11.	.366	.00	29.
9	1986		101.6	1626.	99.473	3.5	56.	106.424	.034	.4	7.	.373	.00	16.
10	1986		20.8	333.	99.806	46.3	741.	107.165	2.225	.1	1.	.374	.00	16.
11	1986	OP	58.1	872.	100.678	331.2	4968.	112.133	5.697	.3	4.	.378	.00	15.
12	1986	OP	57.4	861.	101.539	397.2	5958.	118.091	6.920	.2	3.	.381	.00	15.
Sub	1986		166.4	50255.		261.2	78877.		1.570	.5	156.		.00	352.
1	1987	OP	52.8	845.	102.384	288.8	4621.	122.712	5.469	.4	6.	.387	.01	16.
2	1987	P	49.6	793.	103.177	333.1	5330.	128.042	6.721	.3	4.	.391	.01	16.
3	1987	P	41.6	707.	103.884	251.8	4281.	132.323	6.055	.4	6.	.397	.01	17.
4	1987	P	40.7	692.	104.576	393.1	6682.	139.005	9.656	.4	7.	.404	.01	17.
5	1987	P	35.5	604.	105.180	321.9	5472.	144.477	9.060	.2	3.	.407	.00	17.
6	1987	P	18.7	561.	105.741	11.8	355.	144.832	.633	1.0	30.	.437	.05	30.
7	1987	P	28.0	839.	106.580	340.7	10220.	155.052	12.181	.7	22.	.459	.03	30.
8	1987	P	14.8	400.	106.980	304.6	8224.	163.276	20.560	1.0	27.	.486	.07	27.
9	1987	P	8.2	247.	107.227	303.7	9110.	172.386	36.883	1.0	30.	.516	.12	30.
10	1987	P	7.4	228.	107.455	34.8	1080.	173.466	4.737	1.0	31.	.547	.14	31.
Sub	1987		25.6	5916.		239.7	55375.		9.360	.7	166.		.03	231.

\* Per Producing Day

SAVIAN MANCOS FIELD, RIO ABBTBA COUNTY, N. M.  
 SUN EXPLORATION, JANET #3 (88/7M (E) 21-28N-2W) JANETS.MAL  
 CROSS PROPERTY DATA

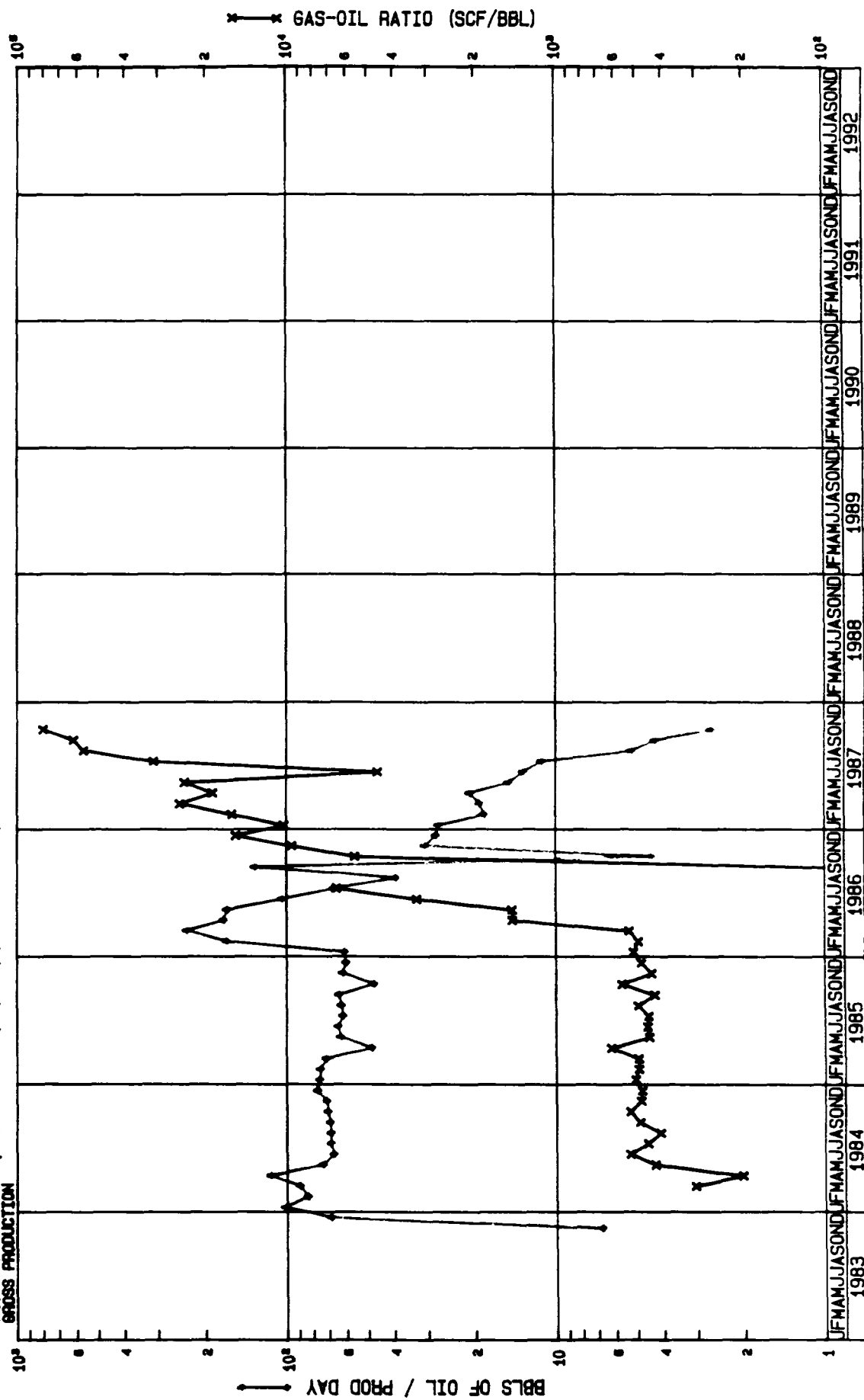


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, JANET #3 (SW/NW(E) 21-25N-2W) JANET3.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
5	1986		135.0	135.	.135	.0	0.	.000	.000	.0	0.	.000	.00	1.
6	1986		77.8	1867.	2.002	44.4	1066.	1.066	.571	.8	20.	.020	.01	24.
7	1986		68.5	2124.	4.126	39.1	1213.	2.279	.571	.3	10.	.030	.00	31.
8	1986		68.1	2112.	6.238	38.9	1206.	3.485	.571	.3	10.	.040	.00	31.
9	1986		60.4	1811.	8.049	31.1	934.	4.419	.516	.3	10.	.050	.01	30.
10	1986		68.0	2108.	10.157	38.8	1204.	5.623	.571	.3	10.	.060	.00	31.
11	1986	OP	70.4	2113.	12.270	40.2	1207.	6.830	.571	.3	10.	.070	.00	30.
12	1986	OP	70.4	2181.	14.451	172.3	5340.	12.170	2.448	.3	10.	.080	.00	31.
Sub	1986		69.1	14451.		58.2	12170.		.842	.4	80.		.01	239.
1	1987	OP	67.3	2086.	16.537	59.2	1836.	14.006	.880	.3	10.	.090	.00	31.
2	1987	P	63.5	1080.	17.617	72.7	1236.	15.242	1.144	.1	2.	.092	.00	17.
3	1987	P	55.4	1164.	18.781	38.5	809.	16.051	.695	.1	3.	.095	.00	21.
4	1987	P	52.0	1559.	20.340	24.9	746.	16.797	.479	.3	10.	.105	.01	30.
5	1987	P	48.5	1503.	21.843	31.1	963.	17.760	.641	.2	5.	.110	.00	31.
6	1987	P	33.0	991.	22.834	40.2	1205.	18.965	1.216	.0	0.	.110	.00	30.
7	1987	P	40.5	1257.	24.091	.0	0.	18.965	.000	.0	0.	.110	.00	31.
8	1987	P	32.0	865.	24.956	34.8	939.	19.904	1.086	.0	0.	.110	.00	27.
9	1987	P	25.6	769.	25.725	38.9	1166.	21.070	1.516	.0	0.	.110	.00	30.
10	1987	P	20.0	620.	26.345	39.9	1236.	22.306	1.994	.0	0.	.110	.00	31.
Sub	1987		42.6	11894.		36.3	10136.		.852	.1	30.		.00	279.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA CO., NM  
 SUN EXPLORATION, E. T. #1 (NE/NW (C) 28-25N-2W) ET1.MAL  
 GROSS PRODUCTION



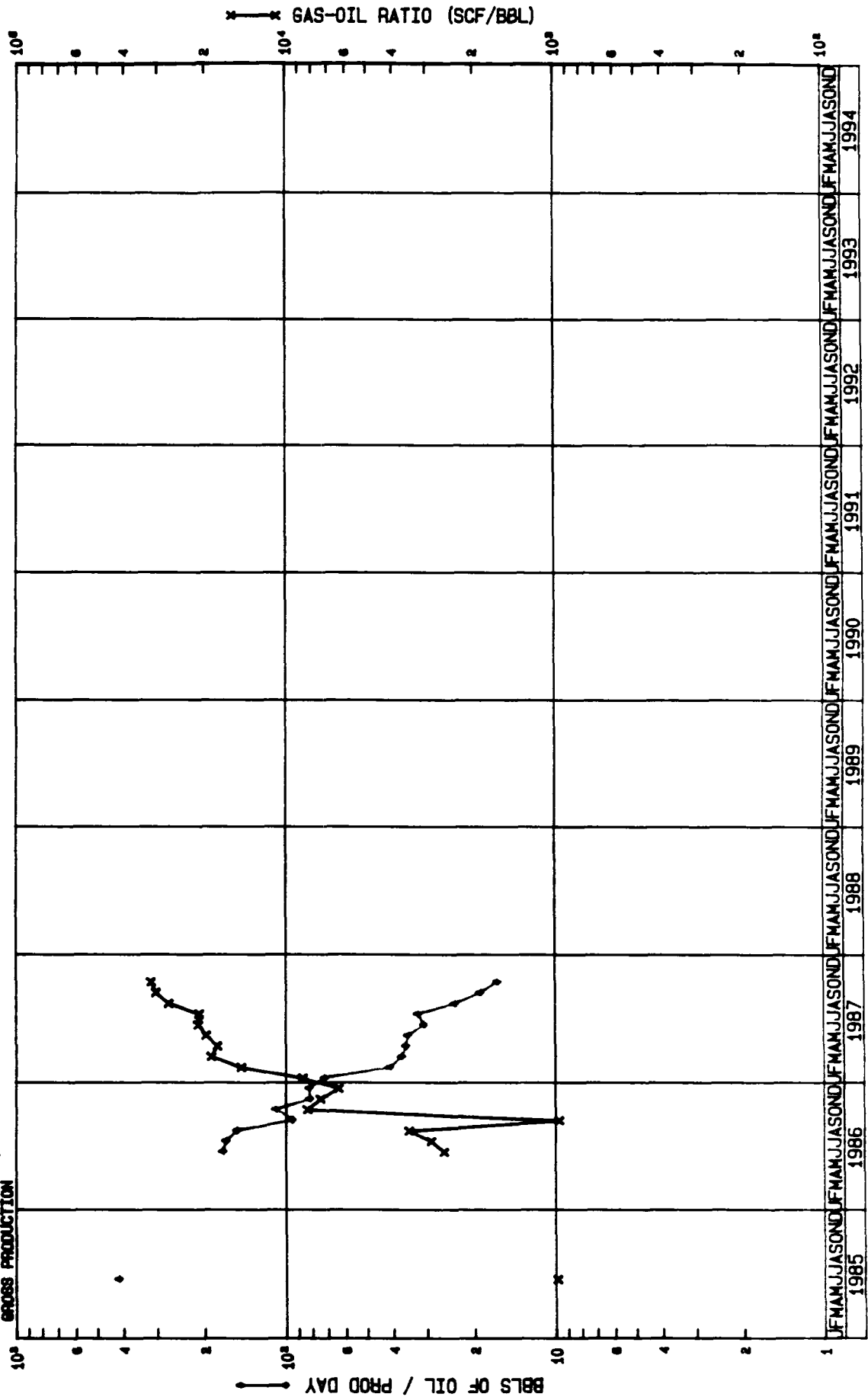
CAVILAN MANCOS FIELD, RIO ARRIBA CO., NM  
 SUN EXPLORATION, E. T. #1 (NE/NW(C) 28-25N-2W) ET1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
11	1983		6.8	204.	.204	.0	0.	.000	.000	.0	0.	.000	.00	30.
12	1983		69.1	2141.	2.345	.0	0.	.000	.000	.5	16.	.016	.01	31.
Sub 1983			38.4	2345.		.0	0.		.000	.3	16.		.01	61.
1	1984		102.2	3167.	5.512	.0	0.	.000	.000	.5	16.	.032	.01	31.
2	1984		83.9	2433.	7.945	.0	0.	.000	.000	.5	15.	.047	.01	29.
3	1984		90.0	810.	8.755	27.2	245.	.245	.302	1.1	10.	.057	.01	9.
4	1984		115.3	1038.	9.793	23.2	209.	.454	.201	1.1	10.	.067	.01	9.
5	1984		74.0	2294.	12.087	31.6	979.	1.433	.427	.5	16.	.083	.01	31.
6	1984		67.4	2023.	14.110	35.6	1067.	2.500	.527	.5	15.	.098	.01	30.
7	1984		68.9	2066.	16.176	31.2	935.	3.435	.453	.5	15.	.113	.01	30.
8	1984		68.9	2137.	18.313	28.1	870.	4.305	.407	.3	10.	.123	.00	31.
9	1984		69.5	2084.	20.397	33.7	1012.	5.317	.486	.5	15.	.138	.01	30.
10	1984		70.9	1985.	22.382	37.4	1046.	6.363	.527	.4	12.	.150	.01	28.
11	1984		71.4	2142.	24.524	34.3	1028.	7.391	.480	.5	15.	.165	.01	30.
12	1984		77.3	2397.	26.921	36.8	1142.	8.533	.476	.2	5.	.170	.00	31.
Sub 1984			77.0	24576.		26.7	8533.		.347	.5	154.		.01	319.
1	1985		75.7	2348.	29.269	38.1	1181.	9.714	.503	.2	5.	.175	.00	31.
2	1985		75.4	2111.	31.380	36.9	1034.	10.748	.490	.2	5.	.180	.00	28.
3	1985		71.9	2086.	33.466	35.3	1023.	11.771	.490	.3	10.	.190	.00	29.
4	1985		48.5	1455.	34.921	30.0	901.	12.672	.619	.3	10.	.200	.01	30.
5	1985		63.4	1902.	36.823	28.4	851.	13.523	.447	.2	5.	.205	.00	30.
6	1985		64.7	1941.	38.764	29.4	882.	14.405	.454	.2	5.	.210	.00	30.
7	1985		62.2	1928.	40.692	28.1	870.	15.275	.451	.3	10.	.220	.01	31.
8	1985		62.9	1950.	42.642	30.9	959.	16.234	.492	.2	5.	.225	.00	31.
9	1985		64.3	1930.	44.572	27.4	823.	17.057	.426	.2	5.	.230	.00	30.
10	1985		67.6	1477.	46.049	26.9	835.	17.892	.565	.2	5.	.235	.00	31.
11	1985		62.3	1870.	47.919	27.3	820.	18.712	.439	.2	5.	.240	.00	0.
12	1985		60.5	1875.	49.794	29.0	899.	19.611	.479	.3	10.	.250	.01	31.
Sub 1985			68.9	22873.		33.4	11078.		.484	.2	80.		.00	332.
1	1986		61.2	1898.	51.692	31.3	969.	20.580	.511	.3	10.	.260	.01	31.
2	1986		168.1	4540.	56.232	82.6	2230.	22.810	.491	.3	8.	.268	.00	27.
3	1986		235.9	7313.	63.545	125.3	3883.	26.693	.531	.2	5.	.273	.00	31.
4	1986		172.3	5168.	68.713	249.1	7473.	34.166	1.446	.5	15.	.288	.00	30.
5	1986		166.7	5168.	73.881	241.1	7473.	41.639	1.446	.5	15.	.303	.00	31.
6	1986		104.3	3128.	77.009	340.8	10223.	51.862	3.268	.3	10.	.313	.00	30.
7	1986		66.9	2074.	79.083	434.3	13464.	65.326	6.492	.3	10.	.323	.00	31.
8	1986		39.5	1146.	80.229	.0	0.	65.326	.000	.3	10.	.333	.01	29.
9	1986		132.0	264.	80.493	.5	1.	65.327	.004	3.5	7.	.340	.03	2.
10	1986		4.4	84.	80.577	24.5	465.	65.792	5.536	.1	1.	.341	.01	19.
11	1986	OP	30.8	555.	81.132	292.4	5263.	71.055	9.483	.3	5.	.346	.01	18.
12	1986	OP	28.0	559.	81.691	428.5	8569.	79.624	15.329	.3	5.	.351	.00	20.
Sub 1986			106.7	31897.		200.7	60013.		1.881	.3	101.		.00	299.
1	1987	OP	27.5	659.	82.350	279.6	6710.	86.334	10.182	.3	6.	.357	.01	24.
2	1987	P	18.5	481.	82.831	292.5	7605.	93.939	15.811	.3	8.	.365	.02	26.
3	1987	P	19.2	365.	83.196	473.8	9003.	102.942	24.666	.3	5.	.370	.01	19.
4	1987	P	20.9	377.	83.573	390.5	7029.	109.971	18.645	.3	5.	.375	.01	18.
5	1987	P	15.0	285.	83.858	356.2	6767.	116.738	23.744	.3	5.	.380	.02	19.
6	1987	P	13.3	252.	84.110	60.5	1149.	117.887	4.560	.0	0.	.380	.00	19.
7	1987	P	11.3	340.	84.450	350.8	10525.	128.412	30.956	.0	0.	.380	.00	30.
8	1987	P	5.3	142.	84.592	296.7	8012.	136.424	56.423	.0	0.	.380	.00	27.
9	1987	P	4.3	129.	84.721	264.3	7930.	144.354	61.473	.0	0.	.380	.00	30.
10	1987	P	2.6	82.	84.803	210.7	6531.	150.885	79.646	.0	0.	.380	.00	31.
Sub 1987			12.8	3112.		293.3	71261.		22.899	.1	29.		.01	243.

\* Per Producing Day



GAVTLAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, FULL SAIL #2 (NW/SE (I), 28-25N-2W) FULLS2.MAL  
 GROSS PRODUCTION

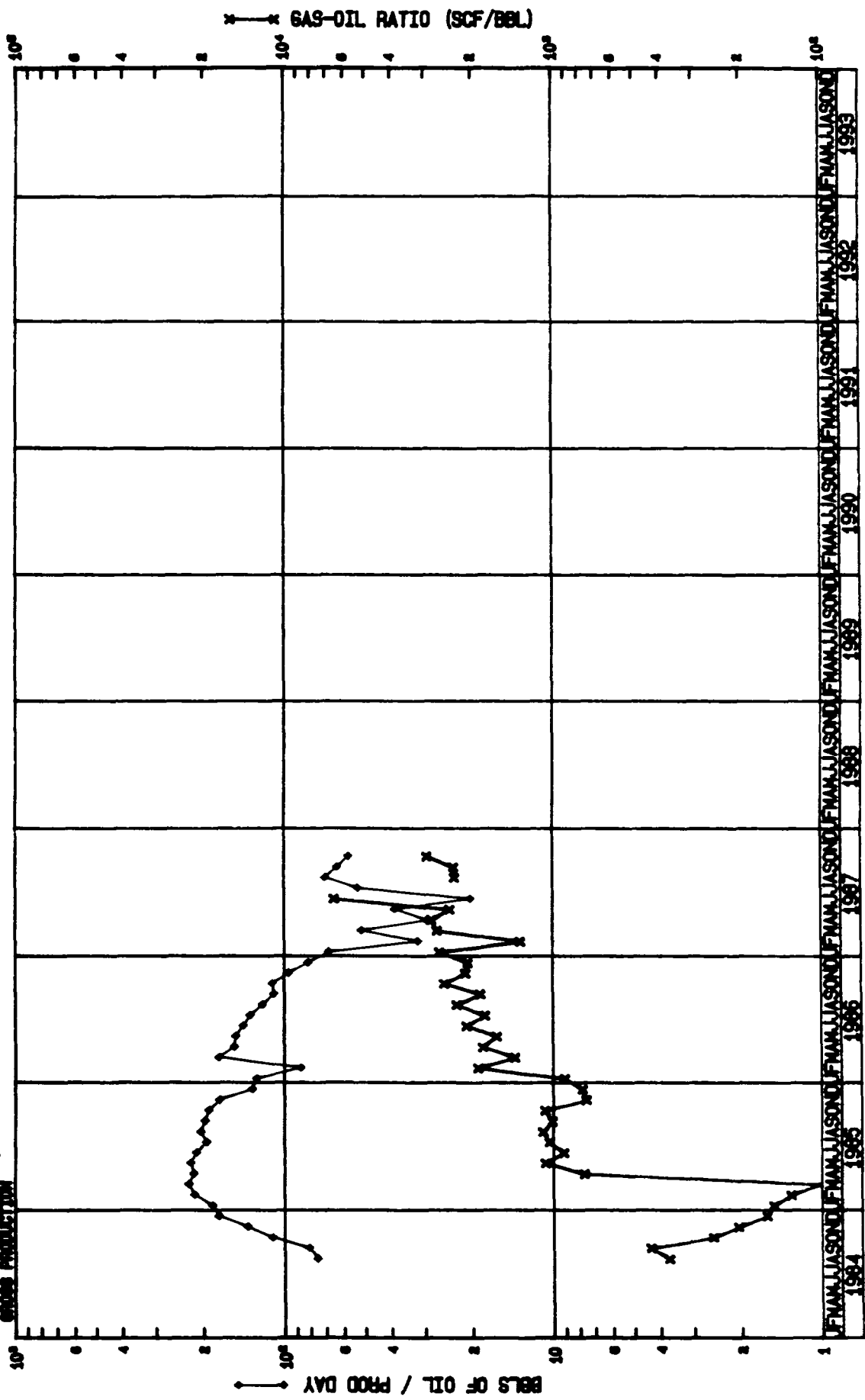


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, FULL SAIL #2 (NW/SE(I) 28-25N-2W) FULLS2.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
6	1985		416.3	1249.	1.249	407.7	1223.	1.223	.979	.0	0.	.000	.00	3.
7	1985	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
8	1985	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
9	1985	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
10	1985	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
11	1985	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
12	1985	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
Sub	1985		416.3	1249.		407.7	1223.		.979	.0	0.	.000	.00	3.
1	1986	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
2	1986	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
3	1986	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
4	1986	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
5	1986	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
6	1986		171.3	2570.	3.819	441.2	6618.	7.841	2.575	.5	8.	.008	.00	15.
7	1986		167.0	2839.	6.658	480.6	8170.	16.011	2.878	.6	10.	.018	.00	17.
8	1986		152.1	2281.	8.939	528.9	7934.	23.945	3.478	.3	4.	.022	.00	15.
9	1986		94.8	569.	9.508	91.3	548.	24.493	.963	.5	3.	.025	.01	6.
10	1986		109.4	1313.	10.821	906.5	10878.	35.371	8.285	.1	1.	.026	.00	12.
11	1986	OF	81.3	976.	11.797	600.6	7207.	42.578	7.384	.3	4.	.030	.00	12.
12	1986	OF	81.9	1065.	12.862	518.5	6741.	49.319	6.330	.3	4.	.034	.00	13.
Sub	1986		129.0	11613.		534.4	48096.		4.142	.4	34.		.00	90.
1	1987	OF	71.8	862.	13.724	617.3	7408.	56.727	8.594	.3	3.	.037	.00	12.
2	1987	F	41.1	699.	14.423	597.9	10164.	66.891	14.541	.3	5.	.042	.01	17.
3	1987	F	37.2	409.	14.832	697.8	7676.	74.567	18.768	.2	2.	.044	.00	11.
4	1987	F	35.8	430.	15.262	639.5	7674.	82.241	17.847	.2	2.	.046	.00	12.
5	1987	F	35.2	387.	15.649	688.5	7574.	89.815	19.571	.2	2.	.048	.01	11.
6	1987	F	30.6	337.	15.986	642.4	7066.	96.881	20.967	.0	0.	.048	.00	11.
7	1987	F	32.4	972.	16.958	674.7	20240.	117.121	20.823	.0	0.	.048	.00	30.
8	1987	F	23.6	613.	17.571	637.1	16565.	133.686	27.023	.0	0.	.048	.00	26.
9	1987	F	19.0	569.	18.140	572.0	17159.	150.845	30.156	1.0	30.	.078	.05	30.
10	1987	F	16.4	509.	18.649	515.2	15971.	166.816	31.377	1.0	31.	.109	.06	31.
Sub	1987		30.3	5787.		615.2	117497.		20.304	.4	75.		.01	191.

\* Per Producing Day

SAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, FULL SAIL #1 (SM/SE (0) 29-25N-2W) FULLS1.MAL  
 GROUP F000157101

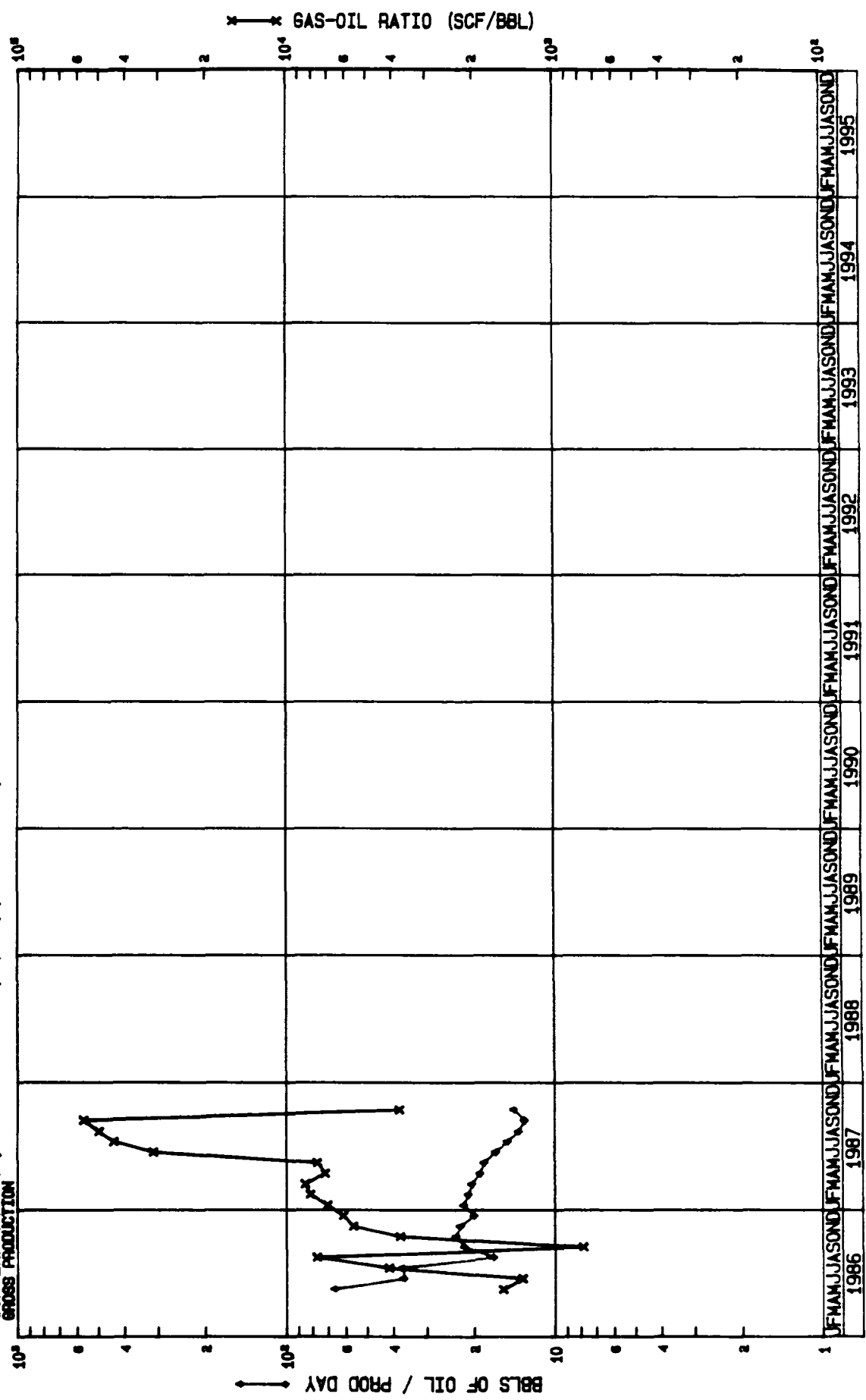


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, FULL SAIL #1 (SW/SE(O) 29-25N-2W) FULLS1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
8	1984		75.4	2337.	2.337	27.8	862.	.862	.369	1.5	47.	.047	.02	31.
9	1984		80.8	1938.	4.275	34.8	834.	1.696	.430	.5	12.	.059	.01	24.
10	1984		110.5	3424.	7.699	27.8	862.	2.558	.252	.3	10.	.069	.00	31.
11	1984		136.8	2873.	10.572	27.8	584.	3.142	.203	.5	10.	.079	.00	21.
12	1984		175.3	5434.	16.006	27.8	862.	4.004	.159	.6	20.	.099	.00	31.
Sub	1984		116.0	16006.		29.0	4004.		.250	.7	99.		.01	138.
1	1985		185.2	4814.	20.820	27.8	723.	4.727	.150	.8	20.	.119	.00	26.
2	1985		215.3	3445.	24.265	27.8	445.	5.172	.129	1.3	20.	.139	.01	16.
3	1985		226.1	6782.	31.047	3.7	111.	5.283	.016	.7	20.	.159	.00	30.
4	1985		217.1	6513.	37.560	164.9	4947.	10.230	.760	.7	20.	.179	.00	30.
5	1985		222.9	5350.	42.910	236.7	5680.	15.910	1.062	.6	15.	.194	.00	24.
6	1985		212.3	6369.	49.279	192.8	5783.	21.693	.908	.3	10.	.204	.00	30.
7	1985		193.8	6009.	55.288	198.5	6152.	27.845	1.024	.0	0.	.204	.00	0.
8	1985		204.0	6324.	61.612	220.8	6846.	34.691	1.083	.4	12.	.216	.00	31.
9	1985		196.8	5903.	67.515	196.7	5900.	40.591	.999	.0	1.	.217	.00	30.
10	1985		190.5	5716.	73.231	203.0	6090.	46.681	1.065	.3	10.	.227	.00	30.
11	1985		173.7	4515.	77.746	129.8	3374.	50.055	.747	.2	4.	.231	.00	26.
12	1985		130.8	4055.	81.801	100.8	3125.	53.180	.771	.0	1.	.232	.00	31.
Sub	1985		216.4	65795.		161.8	49176.		.747	.4	133.		.00	304.
1	1986		126.3	3915.	85.716	113.3	3511.	56.691	.897	.2	5.	.237	.00	31.
2	1986		86.6	2426.	88.142	163.4	4575.	61.266	1.886	.2	5.	.242	.00	28.
3	1986		174.5	5410.	93.552	240.4	7451.	68.717	1.377	.3	10.	.252	.00	31.
4	1986		153.1	3675.	97.227	277.2	6652.	75.369	1.810	.3	8.	.260	.00	24.
5	1986		150.7	4673.	101.900	242.0	7501.	82.870	1.605	.2	5.	.265	.00	31.
6	1986		141.7	4250.	106.150	294.4	8833.	91.703	2.078	.3	10.	.275	.00	30.
7	1986		133.6	4141.	110.291	237.6	7366.	99.069	1.779	.3	10.	.285	.00	31.
8	1986		120.3	3489.	113.780	272.4	7899.	106.968	2.264	.3	10.	.295	.00	29.
9	1986		109.1	1418.	115.198	201.2	2616.	109.584	1.845	.2	2.	.297	.00	13.
10	1986		110.2	3086.	118.284	276.5	7741.	117.325	2.508	.3	9.	.306	.00	28.
11	1986	OF	96.0	2591.	120.875	201.2	5433.	122.758	2.097	.3	9.	.315	.00	27.
12	1986	OF	81.4	2523.	123.398	167.3	5185.	127.943	2.055	.0	1.	.316	.00	31.
Sub	1986		124.5	41597.		223.8	74763.		1.797	.3	84.		.00	334.
1	1987	OF	68.2	2115.	125.513	178.5	5535.	133.478	2.617	.2	7.	.323	.00	31.
2	1987	F	31.8	889.	126.402	41.6	1165.	134.643	1.310	.0	1.	.324	.00	28.
3	1987	F	51.4	1387.	127.789	137.2	3705.	138.348	2.671	.1	4.	.328	.00	27.
4	1987	F	29.3	586.	128.375	81.9	1639.	139.987	2.797	.2	3.	.331	.01	20.
5	1987	F	38.7	890.	129.265	92.7	2133.	142.120	2.397	.0	0.	.331	.00	23.
6	1987	F	20.3	466.	129.731	131.0	3012.	145.132	6.464	.0	0.	.331	.00	23.
7	1987	P	53.1	1380.	131.111	.0	0.	145.132	.000	.0	0.	.331	.00	26.
8	1987	P	70.1	1894.	133.005	161.0	4348.	149.480	2.296	.0	0.	.331	.00	27.
9	1987	P	63.4	1901.	134.906	146.7	4400.	153.880	2.315	1.0	30.	.361	.02	30.
10	1987	P	57.5	1782.	136.688	167.4	5188.	159.068	2.911	1.0	31.	.392	.02	31.
Sub	1987		50.0	13290.		117.0	31125.		2.342	.3	76.		.01	266.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, FULL SAIL #3 (SE/NW(F) 29-25N-2W) FULLS3.MAL  
 GROSS PRODUCTION

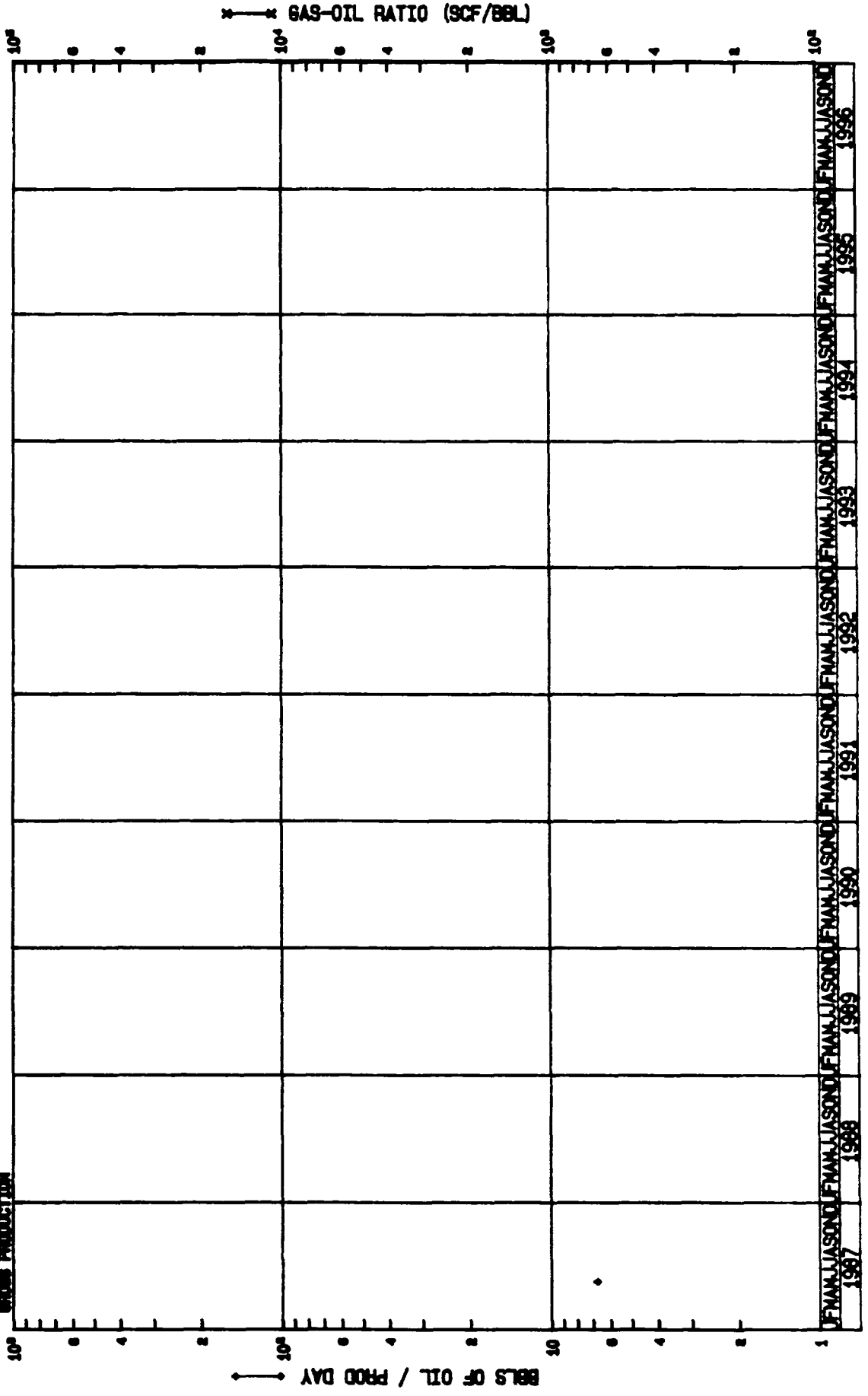


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, FULL SAIL #3 (SE/NW(F) 29-25N-2W) FULLS3.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
5	1986		65.9	1319.	1.319	102.3	2047.	2.047	1.552	.0	0.	.000	.00	20.
6	1986		36.5	1095.	2.414	47.9	1437.	3.484	1.312	.3	10.	.010	.01	30.
7	1986		36.9	1144.	3.558	152.2	4717.	8.201	4.123	.3	10.	.020	.01	31.
8	1986		17.0	526.	4.084	129.9	4028.	12.229	7.658	.2	5.	.025	.01	31.
9	1986		21.7	130.	4.214	16.8	101.	12.330	.777	.2	1.	.026	.01	6.
10	1986		23.3	723.	4.937	87.3	2705.	15.035	3.741	.3	10.	.036	.01	31.
11	1986	GL	22.5	674.	5.611	125.6	3768.	18.803	5.591	.3	10.	.046	.01	30.
12	1986	GL	20.0	579.	6.190	121.7	3528.	22.331	6.093	.3	9.	.055	.02	29.
Sub	1986		29.8	6190.		107.4	22331.		3.608	.3	55.		.01	208.
1	1987	GL	21.8	677.	6.867	152.5	4726.	27.057	6.981	.6	20.	.075	.03	31.
2	1987	GL	21.0	587.	7.454	169.8	4755.	31.812	8.101	.4	10.	.085	.02	28.
3	1987	GL	20.4	631.	8.085	172.0	5333.	37.145	8.452	.3	10.	.095	.02	31.
4	1987	GL	19.0	569.	8.654	135.4	4061.	41.206	7.137	.3	10.	.105	.02	30.
5	1987	GL	18.4	569.	9.223	139.7	4332.	45.538	7.613	.2	5.	.110	.01	31.
6	1987	F	16.6	447.	9.670	512.5	13837.	59.375	30.955	.0	0.	.110	.00	27.
7	1987	F	15.0	449.	10.119	651.6	19548.	78.923	43.537	.0	0.	.110	.00	30.
8	1987	F	13.6	367.	10.486	671.6	18132.	97.055	49.406	.0	0.	.110	.00	27.
9	1987	F	12.9	362.	10.848	730.1	20444.	117.499	56.475	1.0	28.	.138	.08	28.
10	1987	F	14.2	439.	11.287	53.3	1652.	119.151	3.763	1.0	31.	.169	.07	31.
Sub	1987		17.3	5097.		329.3	96820.		18.995	.4	114.		.02	294.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N. M.  
 SUN EXPLORATION, FULL SALL #4 (SE/NE II) 30-25N-2W FULLS4.MAL  
 GROSS PRODUCTION

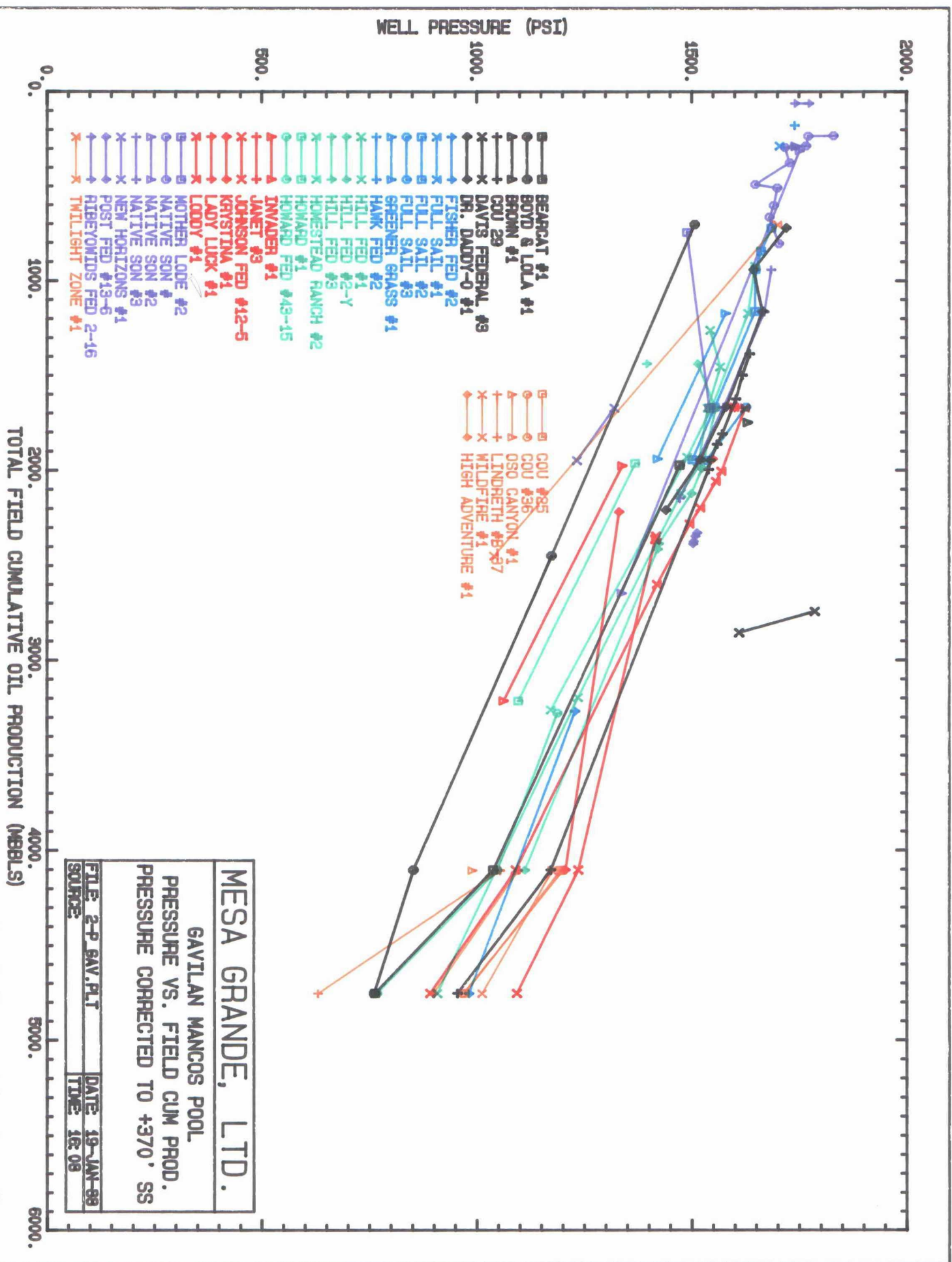


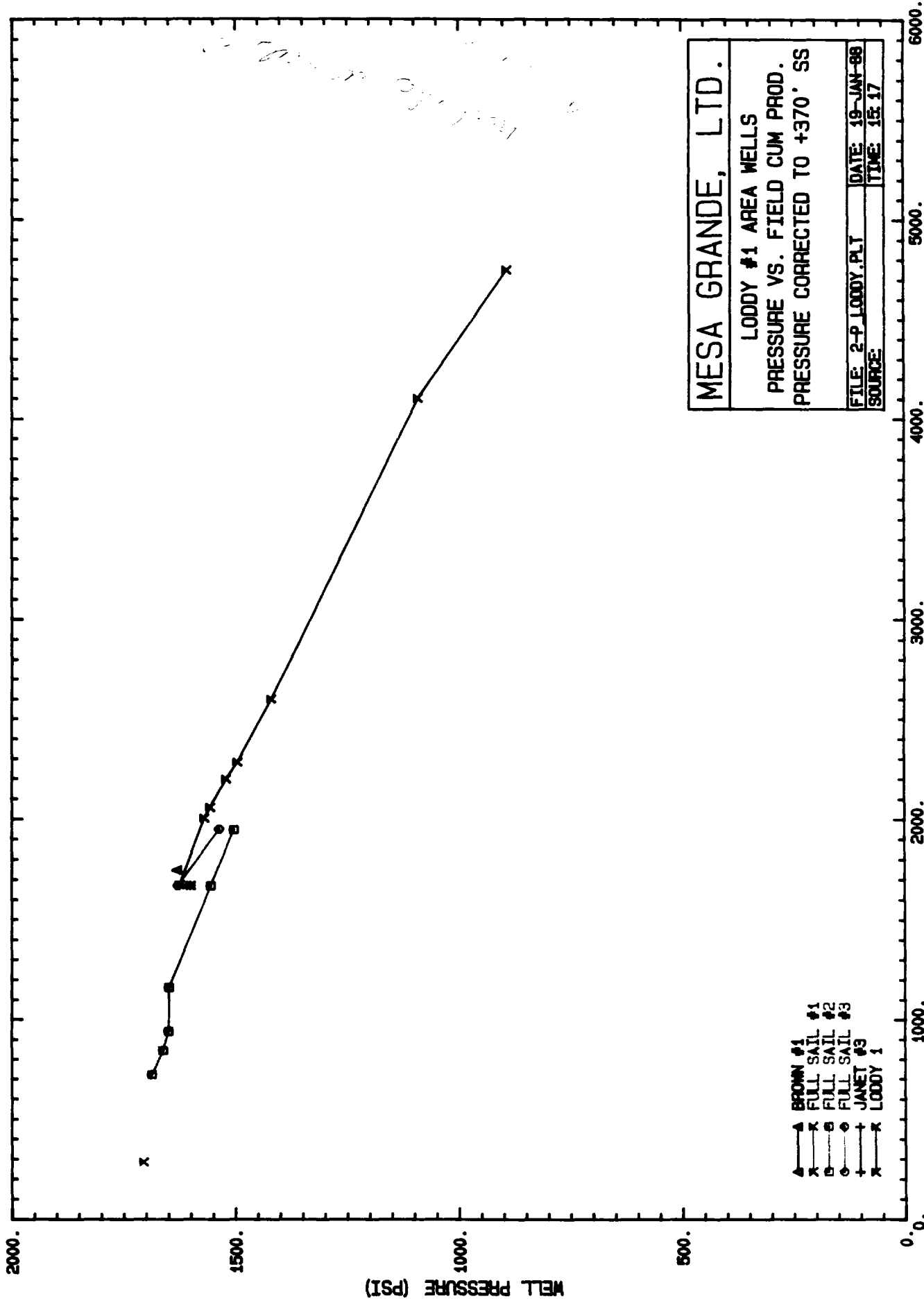
GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, FULL SAIL #4 (SE/NE(I) 30-25N-2W) FULLS4.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
5	1987	F	6.7	208.	.208	.0	0.	.000	.000	.0	0.	.000	.00	0.
6	1987	F	.0	0.	.208	.0	0.	.000	.000	.0	0.	.000	.00	0.
7	1987	F	.0	0.	.208	.0	0.	.000	.000	.0	0.	.000	.00	0.
8	1987	F	.0	0.	.208	888.5	3554.	3.554	.000	.0	0.	.000	.00	4.
9	1987	F	.0	0.	.208	108.5	3254.	6.808	.000	.0	0.	.000	.00	0.
10	1987	F	.0	0.	.208	.0	0.	6.808	.000	.0	0.	.000	.00	0.
Sub	1987		52.0	208.		1702.0	6808.		32.731	.0	0.		.00	4.

\* Per Producing Day



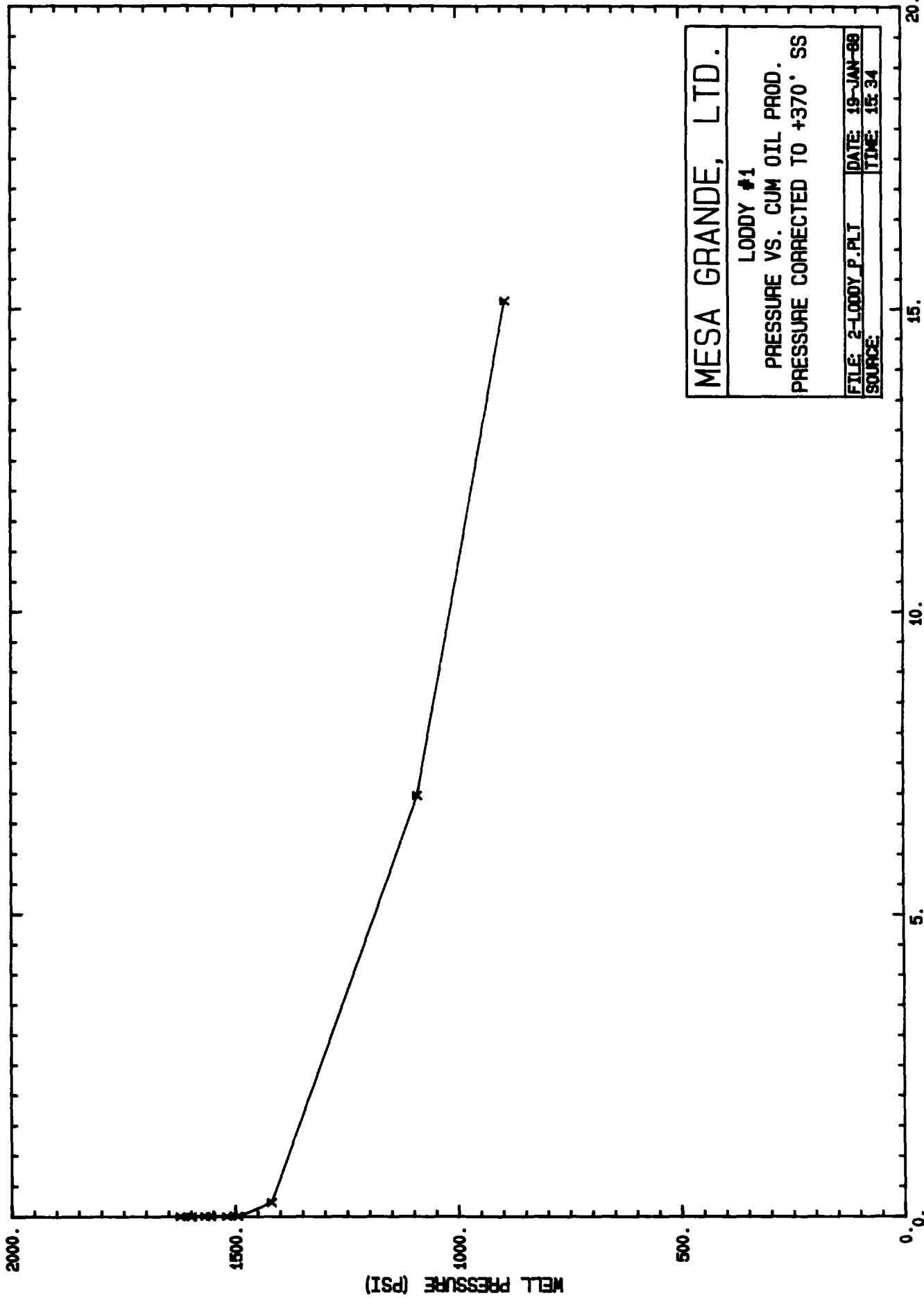




**MESA GRANDE, LTD.**  
 LODDY #1 AREA WELLS  
 PRESSURE VS. FIELD CUM PROD.  
 PRESSURE CORRECTED TO +370' SS

FILE: 2-P.LODDY.PLT	DATE: 19-JAN-88
SOURCE:	TIME: 15:17

- ▲ BROWN #1
- × FULL SAIL #1
- FULL SAIL #2
- FULL SAIL #3
- + JANET #3
- \* LODDY 1



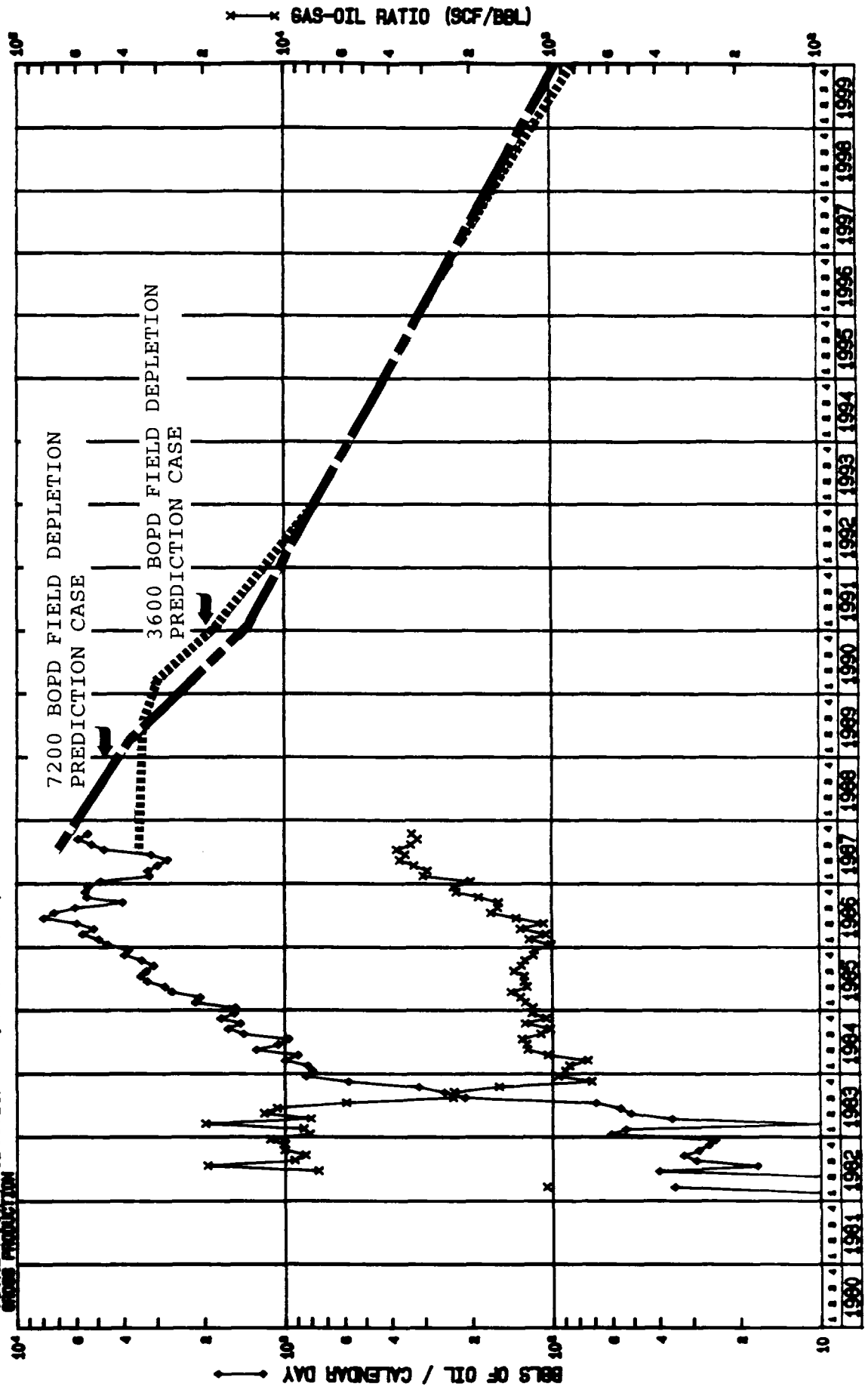
MESA GRANDE, LTD.

LODDY #1  
 PRESSURE VS. CUM OIL PROD.  
 PRESSURE CORRECTED TO +370' SS

FILE: 2-LODDY.P.PLT	DATE: 19-JAN-88
SOURCE:	TIME: 15:34

LODDY #1 CUMULATIVE OIL PRODUCTION (M/BBLs)

**GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, NM  
TOTAL POOL PRODUCTION  
(GAVINSEM.HAL)**



Setup File: MGL876  
 Proj File: MGL  
 Proj Numb: 11.

FORECASTED RESERVES AND ECONOMICS

Date: 01/18/88  
 Time: 14:41:13  
 JRBAROR

LODDY #1  
 NW/4 SEC 20 T25N R2W  
 NO RESTRICTIONS

GAVILAN FIELD  
 MANCOS PRODUCTION  
 RIO ARRIBA CO., NM

-END- MO-YR	Total Months Produced	Gross Producing Wells	Average Liquid Prod Rate --STBPD--	Gross Liquid Production --MSTB--	Work Int Liquid Production --MSTB--	Net Int Liquid Production --MSTB--	Average Gas Prod Rate --MSCFPD--	Gross Gas Production --MMSCF--	Work Int Gas Production --MMSCF--	Net Int Gas Production --MMSCF--
12-87	7.	1.	82.3	17.512	17.512	14.448	353.7	75.303	75.303	62.125
12-88	12.	1.	61.0	22.283	22.283	18.383	262.5	95.817	95.817	79.049
12-89	12.	1.	37.5	13.676	13.676	11.283	161.1	58.806	58.806	48.515
12-90	12.	1.	27.1	9.880	9.880	8.151	116.4	42.483	42.483	35.049
12-91	12.	1.	20.0	7.311	7.311	6.032	86.1	31.438	31.438	25.936
12-92	12.	1.	14.8	5.410	5.410	4.463	63.7	23.264	23.264	19.193
12-93	12.	1.	11.0	4.004	4.004	3.303	47.2	17.215	17.215	14.203
12-94	12.	1.	8.1	2.963	2.963	2.444	34.9	12.739	12.739	10.510
12-95	12.	1.	6.0	2.192	2.192	1.809	25.8	9.427	9.427	7.777
12-96	7.	1.	4.7	1.005	1.005	.829	20.3	4.322	4.322	3.566
12-97										
12-98										
SUB T	110.	0.	.0	86.236	86.236	71.145	.0	370.815	370.815	305.922
AFTER	0.	0.	.0	.000	.000	.000	.0	.000	.000	.000
TOTAL	110.	0.	.0	86.236	86.236	71.145	.0	370.815	370.815	305.922

-END- MO-YR	Average Working Interest -Fraction-	Average Net Rev Interest -Fraction-	Average Liquid Price --\$/STB--	Average Gas Price --\$/MSCF--	Gross Liquid Revenue --M\$--	Gross Gas Revenue --M\$--	Gross Total Revenue --M\$--	Net Liquid Revenue --M\$--	Net Gas Revenue --M\$--	Net Total Revenue --M\$--
12-87	1.00000	.82500	17.75	1.80	310.845	135.546	446.391	256.447	111.825	368.273
12-88	1.00000	.82500	17.75	1.80	395.523	172.471	567.994	326.307	142.288	468.595
12-89	1.00000	.82500	17.75	1.80	242.747	105.851	348.598	200.266	87.327	287.593
12-90	1.00000	.82500	17.75	1.80	175.367	76.470	251.837	144.678	63.088	207.766
12-91	1.00000	.82500	17.75	1.80	129.772	56.588	186.360	107.062	46.685	153.747
12-92	1.00000	.82500	17.75	1.80	96.031	41.875	137.906	79.226	34.547	113.772
12-93	1.00000	.82500	17.75	1.80	71.063	30.987	102.050	58.627	25.565	84.191
12-94	1.00000	.82500	17.75	1.80	52.586	22.931	75.517	43.384	18.918	62.302
12-95	1.00000	.82500	17.75	1.80	38.914	16.969	55.883	32.104	13.999	46.103
12-96	1.00000	.82500	17.75	1.80	17.841	7.780	25.620	14.719	6.418	21.137
12-97										
12-98										
SUB T	1.00000	.82500	.00	.00	1530.690	667.467	2198.157	1262.819	550.660	1813.479
AFTER	.00000	.00000	.00	.00	.000	.000	.000	.000	.000	.000
TOTAL	1.00000	.82500	.00	.00	1530.690	667.467	2198.157	1262.819	550.660	1813.479

-END- MO-YR	Net Severance Tax --M\$--	Net Windfall Prof Tax --M\$--	Net Total Rev Less Sev & WPTX --M\$--	Net Advalorem Tax --M\$--	Net Operating Cost --M\$--	Net Total Income --M\$--	Net Total Investment --M\$--	Net Cash Flow BFIT --M\$--	Cum Net Cash Flow BFIT --M\$--	Disc NCF BFIT --M\$--
12-87	19.557	.000	348.716	15.911	17.500	315.305	.000	315.305	315.305	306.287
12-88	24.884	.000	443.711	20.246	30.000	393.465	.000	393.465	708.770	353.224
12-89	15.272	.000	272.321	12.425	30.000	229.896	.000	229.896	938.665	186.748
12-90	11.033	.000	196.733	8.977	30.000	157.756	.000	157.756	1096.422	115.956
12-91	8.165	.000	145.582	6.643	30.000	108.939	.000	108.939	1205.361	72.456
12-92	6.042	.000	107.731	4.916	30.000	72.815	.000	72.815	1278.176	43.822
12-93	4.471	.000	79.721	3.637	30.000	46.083	.000	46.083	1324.259	25.095
12-94	3.308	.000	58.993	2.692	30.000	26.301	.000	26.301	1350.560	12.960
12-95	2.448	.000	43.655	1.992	30.000	11.663	.000	11.663	1362.223	5.200
12-96	1.122	.000	20.014	.913	17.500	1.601	.000	1.601	1363.825	.659
12-97										
12-98										
SUB T	96.303	.000	1717.176	78.351	275.000	1363.825	.000	1363.825	1363.825	1122.407
AFTER	.000	.000	.000	.000	.000	.000	.000	.000	1363.825	.000
TOTAL	96.303	.000	1717.176	78.351	275.000	1363.825	.000	1363.825	1363.825	1122.407

Report Date	1st of 6/87	Present Worth (PW) Date	1st of 6/87
Life of Project After Report Date (Years)	9.167	PW of NCF BFIT Disc @ .0% (M\$)	1363.825
Time to First Reversion (Years)	.000	PW of NCF BFIT Disc @ 10.0% (M\$)	1122.407
Cum Liquid Prod at Report Date (MSTB)	.000	PW of NCF BFIT Disc @ 12.0% (M\$)	1083.254
Est Liquid Prod after Report Date (MSTB)	86.236	PW of NCF BFIT Disc @ 15.0% (M\$)	1029.150
Est Ultimate Liquid Prod (MSTB)	86.236		
Cum Gas Prod at Report Date (MMCF)	.000	BFIT Time to Undisc Payout (Years)	.000
Est Gas Prod after Report Date (MMCF)	370.815	BFIT DCF Rate of Return (%)	100.0
Est Ultimate Gas Prod (MMCF)	370.815	BFIT Undisc Profit to Invest (\$/\$)	.0

Setup File: MGL876  
 Proj File: MGL  
 Proj Numb: 12.

FORECASTED RESERVES AND ECONOMICS

Date: 01/18/88  
 Time: 14:41:31  
 JRBAROR

LOODY #1  
 NW/4 SEC 20 T25N R2W  
 WITH SECOND WELL IN SEC. 20

GAVILAN FIELD  
 MANCOS PRODUCTION  
 RIO ARRIBA CO., NM

-END- MO-YR	Total Months Produced	Gross Producing Wells	Average Liquid Prod Rate --STBPD--	Gross Liquid Production --MSTB--	Work Int Liquid Production --MSTB--	Net Int Liquid Production --MSTB--	Average Gas Prod Rate --MSCFPD--	Gross Gas Production --MMSCF--	Work Int Gas Production --MMSCF--	Net Int Gas Production --MMSCF--
12-87	7.	1.	57.6	12.259	12.259	10.113	247.6	52.712	52.712	43.488
12-88	12.	1.	42.7	15.598	15.598	12.868	183.8	67.072	67.072	55.334
12-89	12.	1.	26.2	9.573	9.573	7.898	112.8	41.164	41.164	33.961
12-90	12.	1.	18.9	6.916	6.916	5.706	81.5	29.738	29.738	24.534
12-91	12.	1.	14.0	5.118	5.118	4.222	60.3	22.006	22.006	18.155
12-92	12.	1.	10.4	3.787	3.787	3.124	44.6	16.285	16.285	13.435
12-93	12.	1.	7.7	2.802	2.802	2.312	33.0	12.051	12.051	9.942
12-94	12.	1.	5.7	2.074	2.074	1.711	24.4	8.917	8.917	7.357
12-95	5.	1.	4.6	.696	.696	.574	19.7	2.993	2.993	2.469
12-96										
12-97										
12-98										
SUB T	96.	0.	.0	58.823	58.823	48.529	.0	252.939	252.939	208.674
AFTER	0.	0.	.0	.000	.000	.000	.0	.000	.000	.000
TOTAL	96.	0.	.0	58.823	58.823	48.529	.0	252.939	252.939	208.674

-END- MO-YR	Average Working Interest -Fraction-	Average Net Rev Interest -Fraction-	Average Liquid Price --\$/STB--	Average Gas Price --\$/MSCF--	Gross Liquid Revenue --M\$--	Gross Gas Revenue --M\$--	Gross Total Revenue --M\$--	Net Liquid Revenue --M\$--	Net Gas Revenue --M\$--	Net Total Revenue --M\$--
12-87	1.00000	.82500	17.75	1.80	217.591	94.882	312.474	179.513	78.278	257.791
12-88	1.00000	.82500	17.75	1.80	276.866	120.729	397.595	228.415	99.602	328.016
12-89	1.00000	.82500	17.75	1.80	169.923	74.096	244.019	140.187	61.129	201.316
12-90	1.00000	.82500	17.75	1.80	122.757	53.529	176.286	101.275	44.161	145.436
12-91	1.00000	.82500	17.75	1.80	90.840	39.611	130.451	74.943	32.679	107.622
12-92	1.00000	.82500	17.75	1.80	67.222	29.312	96.534	55.458	24.183	79.640
12-93	1.00000	.82500	17.75	1.80	49.744	21.691	71.435	41.039	17.895	58.934
12-94	1.00000	.82500	17.75	1.80	36.810	16.051	52.862	30.369	13.242	43.611
12-95	1.00000	.82500	17.75	1.80	12.353	5.387	17.740	10.191	4.444	14.635
12-96										
12-97										
12-98										
SUB T	1.00000	.82500	.00	.00	1044.107	455.289	1499.396	861.388	375.614	1237.002
AFTER	.00000	.00000	.00	.00	.000	.000	.000	.000	.000	.000
TOTAL	1.00000	.82500	.00	.00	1044.107	455.289	1499.396	861.388	375.614	1237.002

-END- MO-YR	Net Severance Tax --M\$--	Net Windfall Prof Tax --M\$--	Net Total Rev Less Sev & WPTX --M\$--	Net Advalorem Tax --M\$--	Net Operating Cost --M\$--	Net Total Income --M\$--	Net Total Investment --M\$--	Net Cash Flow BFIT --M\$--	Cum Net Cash Flow BFIT --M\$--	Disc NCF BFIT --M\$--
12-87	13.690	.000	244.101	11.138	17.500	215.463	.000	215.463	215.463	209.301
12-88	17.419	.000	310.597	14.172	30.000	266.425	.000	266.425	481.888	239.177
12-89	10.691	.000	190.625	8.698	30.000	151.927	.000	151.927	633.816	123.413
12-90	7.723	.000	137.713	6.284	30.000	101.429	.000	101.429	735.245	74.554
12-91	5.715	.000	101.907	4.650	30.000	67.257	.000	67.257	802.502	44.733
12-92	4.229	.000	75.411	3.441	30.000	41.970	.000	41.970	844.473	25.259
12-93	3.130	.000	55.804	2.546	30.000	23.258	.000	23.258	867.731	12.665
12-94	2.316	.000	41.295	1.884	30.000	9.411	.000	9.411	877.141	4.637
12-95	.777	.000	13.858	.632	12.500	.726	.000	.726	877.867	.333
12-96										
12-97										
12-98										
SUB T	65.690	.000	1171.312	53.445	240.000	877.867	.000	877.867	877.867	734.072
AFTER	.000	.000	.000	.000	.000	.000	.000	.000	877.867	.000
TOTAL	65.690	.000	1171.312	53.445	240.000	877.867	.000	877.867	877.867	734.072

Report Date 1st of 6/87 Present Worth (PW) Date 1st of 6/87  
 Life of Project After Report Date (Years) 8.000  
 Time to First Reversion (Years) .000  
 Cum Liquid Prod at Report Date (MSTB) .000  
 Est Liquid Prod after Report Date (MSTB) 58.823  
 Est Ultimate Liquid Prod (MSTB) 58.823  
 Cum Gas Prod at Report Date (MMCF) .000  
 Est Gas Prod after Report Date (MMCF) 252.939  
 Est Ultimate Gas Prod (MMCF) 252.939

PW of NCF BFIT Disc @ .0% (M\$) 877.867  
 PW of NCF BFIT Disc @ 10.0% (M\$) 734.072  
 PW of NCF BFIT Disc @ 12.0% (M\$) 710.266  
 PW of NCF BFIT Disc @ 15.0% (M\$) 677.134

BFIT Time to Undisc Payout (Years) .000  
 BFIT DCF Rate of Return (%) 100.0  
 BFIT Undisc Profit to Invest (\$/\$) .0

Setup File: MGL876  
 Proj File: MGL  
 Proj Numb: 13.

FORECASTED RESERVES AND ECONOMICS

Date: 01/18/88  
 Time: 14:41:48  
 JRBAROR

UNDRILLED LOCATION  
 SE/4 SEC 20 T25N R2W

GAVILAN FIELD  
 MANCOS PRODUCTION  
 RIO ARRIBA CO., NM

-END-MO-YR	Total Months Produced	Gross Producing Wells	Average Liquid Prod Rate --STBPD--	Gross Liquid Production --MSTB--	Work Int Liquid Production --MSTB--	Net Int Liquid Production --MSTB--	Average Gas Prod Rate --MSCFPD--	Gross Gas Production --MMSCF--	Work Int Gas Production --MMSCF--	Net Int Gas Production --MMSCF--
12-87	7.	1.	30.4	6.472	6.472	5.339	170.2	36.243	36.243	29.901
12-88	12.	1.	22.6	8.235	8.235	6.794	126.3	46.116	46.116	38.046
12-89	12.	1.	13.8	5.054	5.054	4.170	77.5	28.303	28.303	23.350
12-90	12.	1.	10.0	3.651	3.651	3.012	56.0	20.447	20.447	16.869
12-91	12.	1.	7.4	2.702	2.702	2.229	41.5	15.131	15.131	12.483
12-92	12.	1.	5.5	1.999	1.999	1.650	30.7	11.197	11.197	9.238
12-93	7.	1.	4.3	.917	.917	.756	24.1	5.134	5.134	4.235
12-94										
12-95										
12-96										
12-97										
12-98										
SUB T	74.	0.	.0	29.031	29.031	23.950	.0	162.572	162.572	134.122
AFTER	0.	0.	.0	.000	.000	.000	.0	.000	.000	.000
TOTAL	74.	0.	.0	29.031	29.031	23.950	.0	162.572	162.572	134.122

-END-MO-YR	Average Working Interest -Fraction-	Average Net Rev Interest -Fraction-	Average Liquid Price --\$/STB--	Average Gas Price --\$/MSCF--	Gross Liquid Revenue --M\$--	Gross Gas Revenue --M\$--	Gross Total Revenue --M\$--	Net Liquid Revenue --M\$--	Net Gas Revenue --M\$--	Net Total Revenue --M\$--
12-87	1.00000	.82500	17.75	1.80	114.878	65.238	180.115	94.774	53.821	148.595
12-88	1.00000	.82500	17.75	1.80	146.172	83.009	229.181	120.592	68.483	189.074
12-89	1.00000	.82500	17.75	1.80	89.711	50.946	140.657	74.012	42.030	116.042
12-90	1.00000	.82500	17.75	1.80	64.810	36.805	101.615	53.469	30.364	83.833
12-91	1.00000	.82500	17.75	1.80	47.960	27.236	75.196	39.567	22.470	62.037
12-92	1.00000	.82500	17.75	1.80	35.491	20.155	55.646	29.280	16.628	45.908
12-93	1.00000	.82500	17.75	1.80	16.272	9.240	25.512	13.424	7.623	21.048
12-94										
12-95										
12-96										
12-97										
12-98										
SUB T	1.00000	.82500	.00	.00	515.294	292.629	807.923	425.118	241.419	666.537
AFTER	.00000	.00000	.00	.00	.000	.000	.000	.000	.000	.000
TOTAL	1.00000	.82500	.00	.00	515.294	292.629	807.923	425.118	241.419	666.537

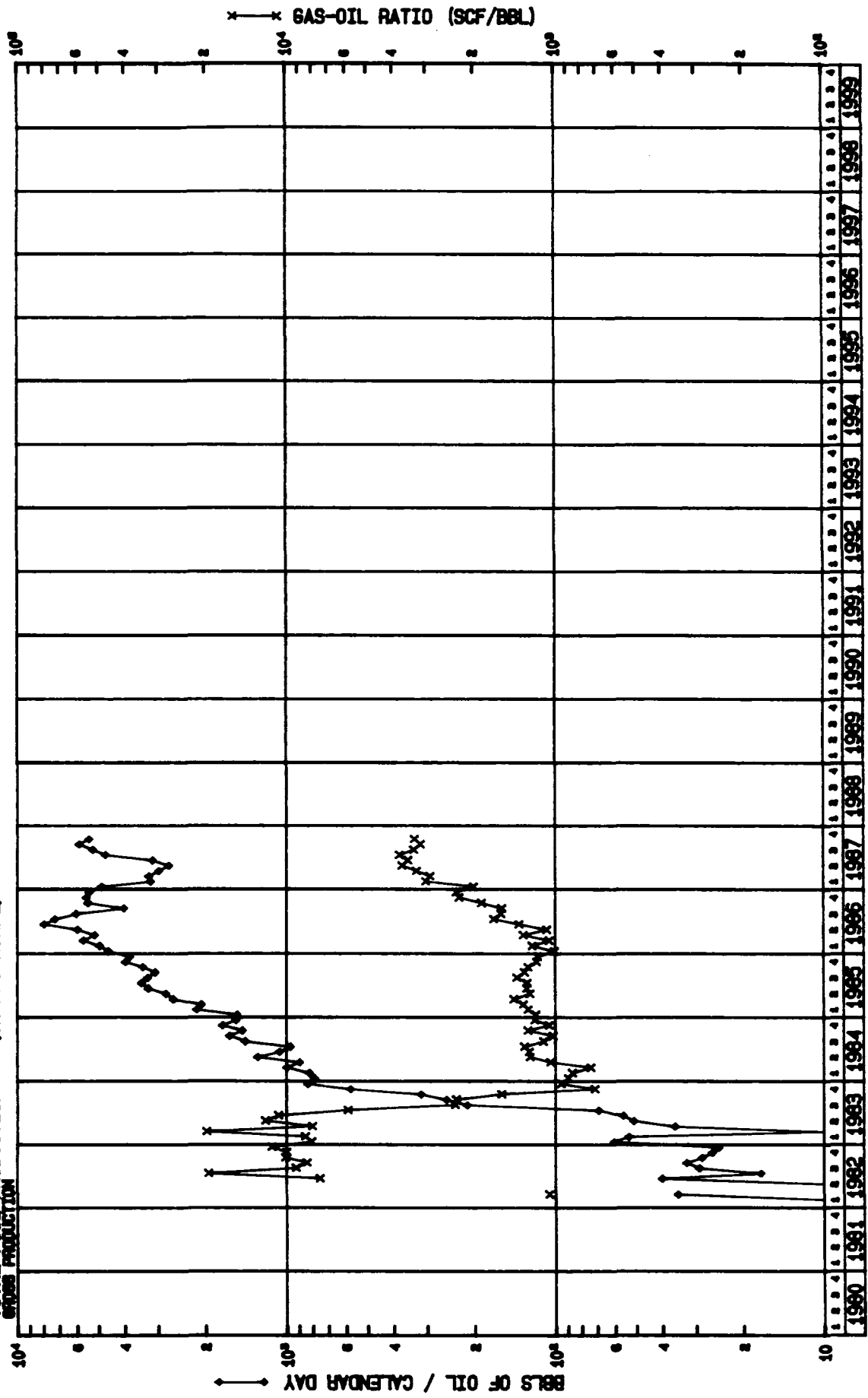
-END-MO-YR	Net Severance Tax --M\$--	Net Windfall Prof Tax --M\$--	Net Total Rev Less Sev & WPTX --M\$--	Net Advalorem Tax --M\$--	Net Operating Cost --M\$--	Net Total Income --M\$--	Net Total Investment --M\$--	Net Cash Flow BFIT --M\$--	Cum Net Cash Flow BFIT --M\$--	Disc NCF BFIT --M\$--
12-87	8.338	.000	140.257	6.400	17.500	116.357	500.000	-383.643	-383.643	-386.971
12-88	10.610	.000	178.465	8.143	30.000	140.322	.000	140.322	-243.321	125.971
12-89	6.511	.000	109.531	4.998	30.000	74.533	.000	74.533	-168.788	60.544
12-90	4.704	.000	79.129	3.610	30.000	45.518	.000	45.518	-123.270	33.457
12-91	3.481	.000	58.556	2.672	30.000	25.884	.000	25.884	-97.386	17.216
12-92	2.576	.000	43.332	1.977	30.000	11.355	.000	11.355	-86.031	6.833
12-93	1.181	.000	19.867	.906	17.500	1.460	.000	1.460	-84.571	.812
12-94										
12-95										
12-96										
12-97										
12-98										
SUB T	37.401	.000	629.135	28.706	185.000	415.429	500.000	-84.571	-84.571	-142.138
AFTER	.000	.000	.000	.000	.000	.000	.000	.000	-84.571	.000
TOTAL	37.401	.000	629.135	28.706	185.000	415.429	500.000	-84.571	-84.571	-142.138

Report Date	1st of 6/87	Present Worth (PW) Date	1st of 6/87
Life of Project After Report Date (Years)	6.167	PW of NCF BFIT Disc @ .0% (M\$)	-84.571
Time to First Reversion (Years)	.000	PW of NCF BFIT Disc @ 10.0% (M\$)	-142.138
Cum Liquid Prod at Report Date (MSTB)	.000	PW of NCF BFIT Disc @ 12.0% (M\$)	-152.022
Est Liquid Prod after Report Date (MSTB)	29.031	PW of NCF BFIT Disc @ 15.0% (M\$)	-165.960
Est Ultimate Liquid Prod (MSTB)	29.031		
Cum Gas Prod at Report Date (MMCF)	.000	BFIT Time to Undisc Payout (Years)	--
Est Gas Prod after Report Date (MMCF)	162.572	BFIT DCF Rate of Return (%)	.0
Est Ultimate Gas Prod (MMCF)	162.572	BFIT Undisc Profit to Invest (\$/\$)	.8

TOTAL POOL PRODUCTION



**GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, NM  
TOTAL POOL PRODUCTION  
(GAVINSUM.MAL)  
GROSS PRODUCTION**



GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, NM  
 TOTAL POOL PRODUCTION (GAVMNSUM.MAL)

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
12	1980		1.9	60.	.060	.0	0.	.000	.000	.0	0.	.000	.00	0.
Sub 1980			.2	60.		.0	0.		.000	.0	0.		.00	0.
1	1981		.0	0.	.060	.0	0.	.000	.000	.0	0.	.000	.00	0.
2	1981		.0	0.	.060	.0	0.	.000	.000	.0	0.	.000	.00	0.
3	1981		1.2	36.	.096	.0	0.	.000	.000	.0	0.	.000	.00	0.
4	1981		.2	6.	.102	.0	0.	.000	.000	.0	0.	.000	.00	0.
5	1981		.4	12.	.114	.0	0.	.000	.000	.0	0.	.000	.00	0.
6	1981		1.9	56.	.170	.0	0.	.000	.000	.0	0.	.000	.00	0.
7	1981		1.8	56.	.226	.0	0.	.000	.000	.0	0.	.000	.00	0.
8	1981		.5	16.	.242	.0	0.	.000	.000	.0	0.	.000	.00	0.
9	1981		.3	9.	.251	.0	0.	.000	.000	.0	0.	.000	.00	0.
10	1981		.0	0.	.251	.0	0.	.000	.000	.0	0.	.000	.00	0.
11	1981		.1	2.	.253	.0	0.	.000	.000	.0	0.	.000	.00	0.
12	1981		.1	4.	.257	.0	0.	.000	.000	.0	0.	.000	.00	0.
Sub 1981			.5	197.		.0	0.		.000	.0	0.		.00	0.
1	1982		.1	2.	.259	.0	0.	.000	.000	.0	0.	.000	.00	0.
2	1982		.1	4.	.263	.0	0.	.000	.000	.0	0.	.000	.00	0.
3	1982		34.9	1082.	1.345	36.6	1135.	1.135	1.049	.0	0.	.000	.00	0.
4	1982		.0	0.	1.345	.0	0.	1.135	.000	.0	0.	.000	.00	0.
5	1982		.3	10.	1.355	.0	0.	1.135	.000	.0	0.	.000	.00	0.
6	1982		39.9	1197.	2.552	298.3	8950.	10.085	7.477	1.9	56.	.056	.05	0.
7	1982		17.1	531.	3.083	332.0	10293.	20.378	19.384	.1	3.	.059	.01	0.
8	1982		29.0	899.	3.982	266.1	8249.	28.627	9.176	.4	13.	.072	.01	0.
9	1982		32.4	971.	4.953	270.5	8116.	36.743	8.358	.8	23.	.095	.02	0.
10	1982		28.4	879.	5.832	285.4	8847.	45.590	10.065	1.0	31.	.126	.04	0.
11	1982		25.9	778.	6.610	257.8	7733.	53.323	9.940	.1	3.	.129	.00	0.
12	1982		24.5	761.	7.371	277.6	8606.	61.929	11.309	.0	0.	.129	.00	0.
Sub 1982			19.5	7114.		169.7	61929.		8.705	.4	129.		.02	0.
1	1983		60.2	1865.	9.236	483.0	14974.	76.903	8.029	.1	3.	.132	.00	0.
2	1983		53.0	1485.	10.721	449.7	12591.	89.494	8.479	.5	15.	.147	.01	0.
3	1983		6.6	206.	10.927	131.0	4061.	93.555	19.714	.0	0.	.147	.00	0.
4	1983		35.8	1073.	12.000	285.1	8552.	102.107	7.970	.1	2.	.149	.00	0.
5	1983		50.8	1575.	13.575	606.1	18790.	120.897	11.930	1.9	60.	.209	.04	0.
6	1983		55.7	1670.	15.245	594.5	17835.	138.732	10.680	.2	5.	.214	.00	0.
7	1983		68.7	2129.	17.374	403.5	12509.	151.241	5.876	.1	3.	.217	.00	0.
8	1983		211.8	6565.	23.939	496.3	15384.	166.625	2.343	13.5	420.	.637	.06	0.
9	1983		252.9	7587.	31.526	587.0	17611.	184.236	2.321	3.3	98.	.735	.01	0.
10	1983		314.7	9756.	41.282	495.6	15364.	199.600	1.575	3.1	96.	.831	.01	0.
11	1983		576.2	17285.	58.567	407.8	12235.	211.835	.708	14.2	427.	1.258	.02	0.
12	1983		830.9	25758.	84.325	786.0	24366.	236.201	.946	9.5	296.	1.554	.01	0.
Sub 1983			210.8	76954.		477.5	174272.		2.265	3.9	1425.		.02	0.
1	1984		783.3	24281.	108.606	696.4	21589.	257.790	.889	9.0	279.	1.833	.01	0.
2	1984		820.1	23784.	132.390	705.3	20453.	278.243	.860	8.0	231.	2.064	.01	0.
3	1984		994.8	30838.	163.228	728.8	22593.	300.836	.733	7.0	217.	2.281	.01	0.
4	1984		891.2	26737.	189.965	924.1	27722.	328.558	1.037	9.2	276.	2.557	.01	0.
5	1984		1276.2	39563.	229.528	1577.8	48912.	377.470	1.236	5.0	156.	2.713	.00	0.
6	1984		1059.5	31786.	261.314	1318.5	39554.	417.024	1.244	6.2	186.	2.899	.01	0.
7	1984		965.1	29919.	291.233	1250.8	38776.	455.800	1.296	5.9	182.	3.081	.01	0.
8	1984		1420.6	44038.	335.271	1563.4	48465.	504.265	1.101	8.4	259.	3.340	.01	0.
9	1984		1621.4	48643.	383.914	1642.8	49283.	553.548	1.013	6.0	181.	3.521	.00	0.
10	1984		1456.7	45159.	429.073	1832.6	56812.	610.360	1.258	3.3	103.	3.624	.00	0.
11	1984		1724.0	51720.	480.793	1807.9	54238.	664.598	1.049	6.4	192.	3.816	.00	0.
12	1984		1535.5	47599.	528.392	1823.4	56525.	721.123	1.188	29.6	919.	4.735	.02	0.
Sub 1984			1213.3	444067.		1324.9	484922.		1.092	8.7	3181.		.01	0.

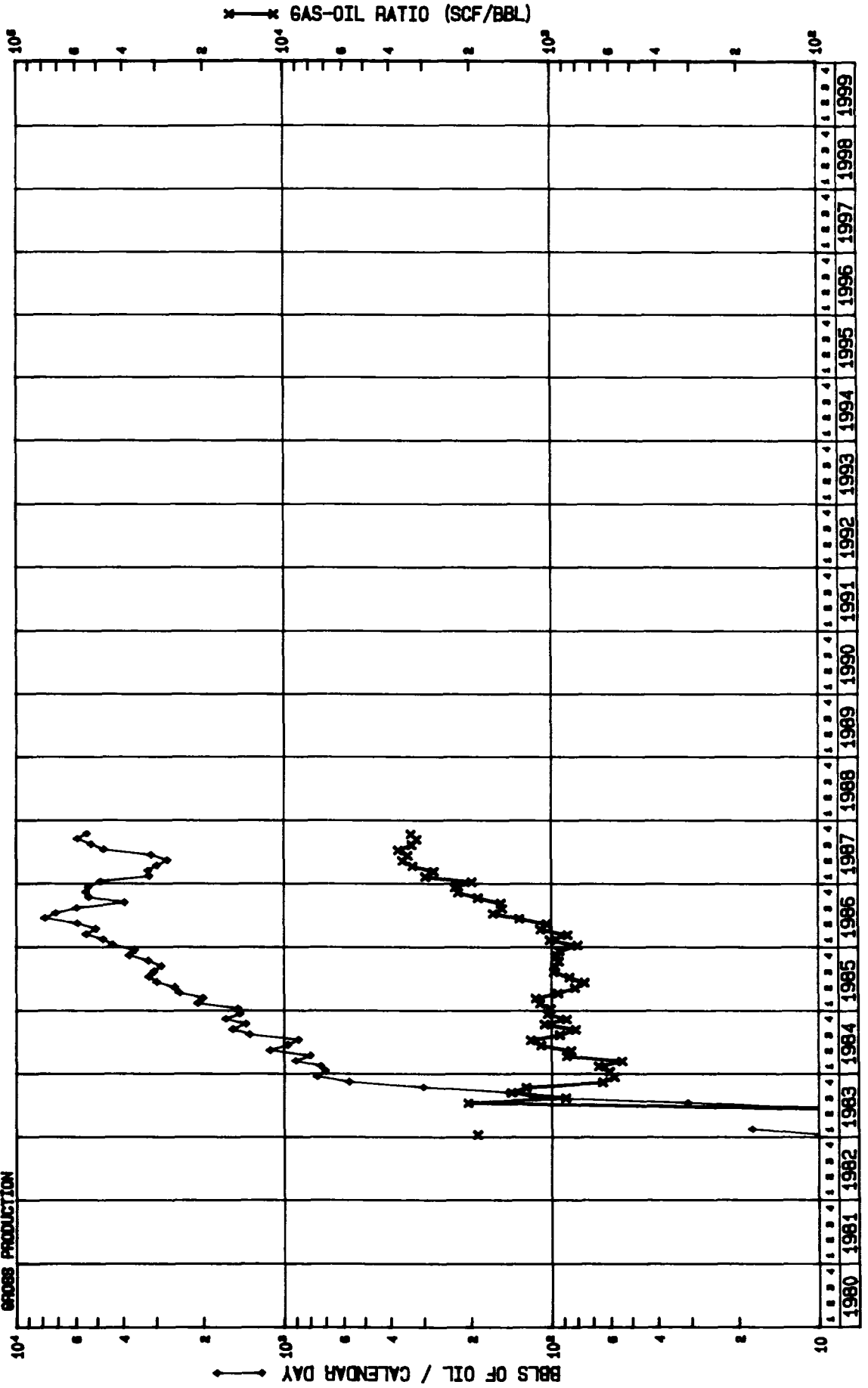
\* Per Calendar Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, NM  
TOTAL POOL PRODUCTION (GAVMNSUM.MAL)

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
1	1985		1525.7	47296.	575.688	1792.5	55567.	776.690	1.175	112.8	3496.	8.231	.07	0.
2	1985		2149.2	60178.	635.866	2702.0	75657.	852.347	1.257	15.8	441.	8.672	.01	0.
3	1985		2063.2	63959.	699.825	2700.9	83727.	936.074	1.309	5.1	159.	8.831	.00	0.
4	1985		2623.9	78717.	778.542	3728.4	111853.	1047.927	1.421	18.6	559.	9.390	.01	0.
5	1985		2795.7	86667.	865.209	3459.3	107237.	1155.164	1.237	6.6	206.	9.596	.00	0.
6	1985		3248.9	97466.	962.675	4130.5	123916.	1279.080	1.271	6.4	191.	9.787	.00	0.
7	1985		3444.0	106764.	1069.439	4362.4	135235.	1414.315	1.267	5.3	164.	9.951	.00	0.
8	1985		3269.8	101363.	1170.802	4524.5	140259.	1554.574	1.384	6.7	208.	10.159	.00	0.
9	1985		3061.6	91849.	1262.651	3970.7	119121.	1673.695	1.297	4.8	145.	10.304	.00	0.
10	1985		3407.9	105645.	1368.296	4285.9	132864.	1806.559	1.258	14.9	463.	10.767	.00	0.
11	1985		3951.4	118543.	1486.839	4615.7	138470.	1945.029	1.168	11.8	353.	11.120	.00	0.
12	1985		3807.8	118042.	1604.881	4409.8	136703.	2081.732	1.158	21.0	650.	11.770	.01	0.
Sub	1985		2949.31	1076489.		3727.7	1360609.		1.264	19.3	7035.		.01	0.
1	1986		4580.5	141994.	1746.875	4585.7	142158.	2223.890	1.001	192.0	5951.	17.721	.04	0.
2	1986		4930.3	138048.	1884.923	5981.4	167479.	2391.369	1.213	61.5	1721.	19.442	.01	0.
3	1986		5669.5	175753.	2060.676	5940.6	184160.	2575.529	1.048	11.4	354.	19.796	.00	0.
4	1986		5154.4	154631.	2215.307	6745.4	202362.	2777.891	1.309	5.4	162.	19.958	.00	0.
5	1986		5967.2	184984.	2400.291	6390.6	198110.	2976.001	1.071	6.5	203.	20.161	.00	0.
6	1986		7923.3	237699.	2637.990	10756.6	322697.	3298.698	1.358	32.1	963.	21.124	.00	0.
7	1986		7237.4	224360.	2862.350	12203.5	378309.	3677.007	1.686	31.4	973.	22.097	.00	0.
8	1986		6031.5	186976.	3049.326	9542.9	295830.	3972.837	1.582	27.3	847.	22.944	.00	0.
9	1986		4013.4	120401.	3169.727	6306.8	189205.	4162.042	1.571	17.5	525.	23.469	.00	0.
10	1986		5452.8	169037.	3338.764	10192.6	315970.	4478.012	1.869	15.1	469.	23.938	.00	0.
11	1986		5533.5	166005.	3504.769	12541.8	376253.	4854.265	2.267	23.2	697.	24.635	.00	0.
12	1986		5383.5	166890.	3671.659	12525.5	388290.	5242.555	2.327	27.5	853.	25.488	.01	0.
Sub	1986		5662.42	1066778.		8659.8	3160823.		1.529	37.6	13718.		.01	0.
1	1987		4859.5	150646.	3822.305	9730.7	301651.	5544.206	2.002	27.1	839.	26.327	.01	0.
2	1987		3186.1	89212.	3911.517	9607.3	269005.	5813.211	3.015	24.1	674.	27.001	.01	0.
3	1987		3234.8	100280.	4011.797	9389.8	291083.	6104.294	2.903	20.8	646.	27.647	.01	0.
4	1987		2974.2	89226.	4101.023	9707.1	291214.	6395.508	3.264	25.3	760.	28.407	.01	0.
5	1987		2726.0	84507.	4185.530	10063.1	311957.	6707.465	3.691	26.4	818.	29.225	.01	0.
6	1987		3136.9	94108.	4279.638	10999.0	329969.	7037.434	3.506	25.6	768.	29.993	.01	0.
7	1987		4698.5	145654.	4425.292	17725.3	549485.	7586.919	3.773	22.6	700.	30.693	.00	0.
8	1987		5235.0	162285.	4587.577	17484.9	542032.	8128.951	3.340	14.9	461.	31.154	.00	0.
9	1987		5881.6	176449.	4764.026	18536.1	556083.	8685.034	3.152	21.3	640.	31.794	.00	0.
10	1987		5407.1	167621.	4931.647	17940.5	556157.	9241.191	3.318	20.8	645.	32.439	.00	0.
Sub	1987		4144.71	1259988.		13153.4	3998636.		3.174	22.9	6951.		.01	0.

\* Per Calendar Day

GAVILAN MANCOS FIELD, RIO ARriba COUNTY, NM (GAVEXSUM.MAL)  
 TOTAL POOL PRODUCTION EXCLUDING GAV HOMARO & GAVILAN #1  
 GROSS PRODUCTION



GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, NM (GAVEXSUM.MAL)  
 TOTAL POOL PRODUCTION EXCLUDING GAV HOWARD & GAVILAN #1

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
12	1980		1.9	60.	.060	.0	0.	.000	.000	.0	0.	.000	.00	0.
Sub 1980			.2	60.		.0	0.	.000	.000	.0	0.	.000	.00	0.
1	1981		.0	0.	.060	.0	0.	.000	.000	.0	0.	.000	.00	0.
2	1981		.0	0.	.060	.0	0.	.000	.000	.0	0.	.000	.00	0.
3	1981		1.2	36.	.096	.0	0.	.000	.000	.0	0.	.000	.00	0.
4	1981		.2	6.	.102	.0	0.	.000	.000	.0	0.	.000	.00	0.
5	1981		.4	12.	.114	.0	0.	.000	.000	.0	0.	.000	.00	0.
6	1981		1.9	56.	.170	.0	0.	.000	.000	.0	0.	.000	.00	0.
7	1981		1.8	56.	.226	.0	0.	.000	.000	.0	0.	.000	.00	0.
8	1981		.5	16.	.242	.0	0.	.000	.000	.0	0.	.000	.00	0.
9	1981		.3	9.	.251	.0	0.	.000	.000	.0	0.	.000	.00	0.
10	1981		.0	0.	.251	.0	0.	.000	.000	.0	0.	.000	.00	0.
11	1981		.1	2.	.253	.0	0.	.000	.000	.0	0.	.000	.00	0.
12	1981		.1	4.	.257	.0	0.	.000	.000	.0	0.	.000	.00	0.
Sub 1981			.5	197.		.0	0.	.000	.000	.0	0.	.000	.00	0.
1	1982		.1	2.	.259	.0	0.	.000	.000	.0	0.	.000	.00	0.
2	1982		.1	4.	.263	.0	0.	.000	.000	.0	0.	.000	.00	0.
3	1982		.1	3.	.266	.0	0.	.000	.000	.0	0.	.000	.00	0.
4	1982		.0	0.	.266	.0	0.	.000	.000	.0	0.	.000	.00	0.
5	1982		.3	10.	.276	.0	0.	.000	.000	.0	0.	.000	.00	0.
6	1982		.0	0.	.276	.0	0.	.000	.000	.0	0.	.000	.00	0.
7	1982		.0	0.	.276	.0	0.	.000	.000	.0	0.	.000	.00	0.
8	1982		.0	1.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
9	1982		.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
10	1982		.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
11	1982		.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
12	1982		.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
Sub 1982			.1	20.		.0	0.	.000	.000	.0	0.	.000	.00	0.
1	1983		9.7	302.	.579	18.3	566.	.566	1.874	.0	0.	.000	.00	0.
2	1983		17.7	496.	1.075	.0	0.	.566	.000	.5	15.	.015	.03	0.
3	1983		.0	0.	1.075	.0	0.	.566	.000	.0	0.	.015	.00	0.
4	1983		.0	0.	1.075	.0	0.	.566	.000	.0	0.	.015	.00	0.
5	1983		.0	0.	1.075	.0	0.	.566	.000	.0	0.	.015	.00	0.
6	1983		4.9	147.	1.222	.2	6.	.572	.041	.0	0.	.015	.00	0.
7	1983		30.8	956.	2.178	62.6	1941.	2.513	2.030	.0	0.	.015	.00	0.
8	1983		114.0	3535.	5.713	99.8	3094.	5.607	.875	11.6	360.	.375	.10	0.
9	1983		144.4	4333.	10.046	201.7	6051.	11.658	1.396	1.9	58.	.433	.01	0.
10	1983		300.3	9309.	19.355	370.2	11476.	23.134	1.233	.1	4.	.437	.00	0.
11	1983		570.5	17114.	36.469	363.5	10906.	34.040	.637	14.2	427.	.864	.02	0.
12	1983		751.0	23281.	59.750	432.1	13396.	47.436	.575	9.4	292.	1.156	.01	0.
Sub 1983			162.9	59473.		130.0	47436.	.798		3.2	1156.		.02	0.
1	1984		695.9	21574.	81.324	417.7	12949.	60.385	.600	9.0	279.	1.435	.01	0.
2	1984		730.0	21171.	102.495	482.8	14001.	74.386	.661	8.0	231.	1.666	.01	0.
3	1984		902.9	27989.	130.484	486.0	15067.	89.453	.538	6.9	214.	1.880	.01	0.
4	1984		795.0	23851.	154.335	690.5	20716.	110.169	.869	9.0	270.	2.150	.01	0.
5	1984		1122.1	34785.	189.120	936.5	29033.	139.202	.835	5.0	154.	2.304	.00	0.
6	1984		965.0	28949.	218.069	1044.7	31342.	170.544	1.083	6.2	185.	2.489	.01	0.
7	1984		879.7	27271.	245.340	1040.5	32257.	202.801	1.183	5.9	182.	2.671	.01	0.
8	1984		1338.9	41505.	286.845	1233.0	38222.	241.023	.921	8.4	259.	2.930	.01	0.
9	1984		1547.3	46420.	333.265	1243.1	37292.	278.315	.803	6.0	181.	3.111	.00	0.
10	1984		1383.7	42896.	376.161	1453.9	45070.	323.385	1.051	3.3	103.	3.214	.00	0.
11	1984		1644.5	49335.	425.496	1429.5	42884.	366.269	.869	6.4	192.	3.406	.00	0.
12	1984		1455.2	45110.	470.606	1491.2	46227.	412.496	1.025	29.6	919.	4.325	.02	0.
Sub 1984			1122.6	410856.		997.4	365060.	.889		8.7	3169.		.01	0.

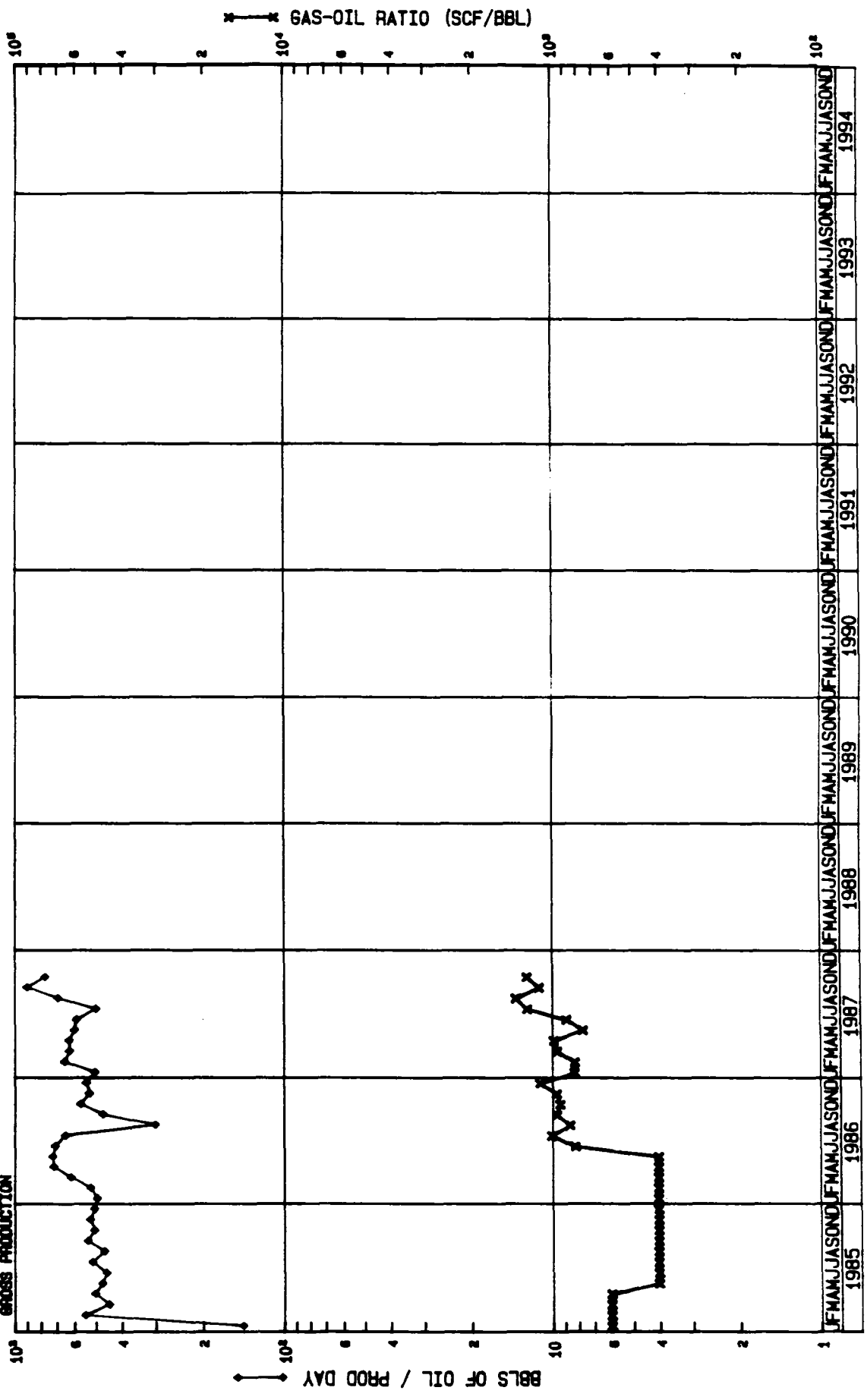
\* Per Calendar Day

GAVILAN MANCOS FIELD, RIO ARriba COUNTY, NM (GAVEKSUM.MAL)  
 TOTAL POOL PRODUCTION EXCLUDING GAV HOWARD & GAVILAN #1

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
1	1985		1484.8	46028.	516.634	1483.0	45974.	458.470	.999	112.8	3496.	7.821	.08	0.
2	1985		2093.8	58627.	575.261	2291.1	64151.	522.621	1.094	15.8	441.	8.262	.01	0.
3	1985		2002.1	62065.	637.326	2275.6	70544.	593.165	1.137	5.1	157.	8.419	.00	0.
4	1985		2446.5	73396.	710.722	2287.8	68634.	661.799	.935	18.5	556.	8.975	.01	0.
5	1985		2540.2	78745.	789.467	2047.3	63467.	725.266	.806	6.2	191.	9.166	.00	0.
6	1985		2964.0	88919.	878.386	2202.4	66073.	791.339	.743	6.3	189.	9.355	.00	0.
7	1985		3177.5	98504.	976.890	2687.6	83315.	874.654	.846	5.2	162.	9.517	.00	0.
8	1985		3035.2	94090.	1070.980	2942.0	91201.	965.855	.969	6.7	208.	9.725	.00	0.
9	1985		2855.3	85659.	1156.639	2733.0	81990.	1047.845	.957	4.8	145.	9.870	.00	0.
10	1985		3190.2	98896.	1255.535	2953.4	91556.	1139.401	.926	14.3	442.	10.312	.00	0.
11	1985		3766.6	112998.	1368.533	3550.1	106502.	1245.903	.943	11.3	340.	10.652	.00	0.
12	1985		3587.3	111205.	1479.738	3307.5	102534.	1348.437	.922	20.8	645.	11.297	.01	0.
Sub	1985		2764.71	1009132.		2564.2	935941.		.927	19.1	6972.		.01	0.
1	1986		4348.4	134801.	1614.539	3429.6	106318.	1454.755	.789	191.8	5945.	17.242	.04	0.
2	1986		4723.1	132246.	1746.785	4738.6	132680.	1587.435	1.003	61.5	1721.	18.963	.01	0.
3	1986		5465.6	169434.	1916.219	4702.5	145776.	1733.211	.860	11.4	352.	19.315	.00	0.
4	1986		5026.3	150789.	2067.008	5470.3	164110.	1897.321	1.088	5.4	162.	19.477	.00	0.
5	1986		5881.9	182340.	2249.348	6040.9	187269.	2084.590	1.027	6.3	196.	19.673	.00	0.
6	1986		7764.8	232944.	2482.292	10086.4	302592.	2387.182	1.299	32.1	963.	20.636	.00	0.
7	1986		7077.4	219398.	2701.690	11529.9	357428.	2744.610	1.629	31.4	973.	21.609	.00	0.
8	1986		5912.4	183285.	2884.975	8910.0	276210.	3020.820	1.507	27.3	847.	22.456	.00	0.
9	1986		3916.8	117505.	3002.480	5972.6	179178.	3199.998	1.525	17.5	525.	22.981	.00	0.
10	1986		5334.1	165356.	3167.836	9895.5	306761.	3506.759	1.855	15.1	469.	23.450	.00	0.
11	1986		5463.9	163918.	3331.754	12037.4	361123.	3867.882	2.203	23.2	697.	24.147	.00	0.
12	1986		5346.4	165738.	3497.492	12118.3	375667.	4243.549	2.267	27.5	853.	25.000	.01	0.
Sub	1986		5528.12	1017754.		7931.8	2895112.		1.435	37.5	13703.		.01	0.
1	1987		4828.1	149672.	3647.164	9457.1	293169.	4536.718	1.959	27.1	839.	25.839	.01	0.
2	1987		3171.8	88809.	3735.973	9274.5	259685.	4796.403	2.924	24.1	674.	26.513	.01	0.
3	1987		3203.5	99310.	3835.283	8699.8	269694.	5066.097	2.716	20.8	646.	27.159	.01	0.
4	1987		2974.2	89226.	3924.509	9707.1	291214.	5357.311	3.264	25.3	760.	27.919	.01	0.
5	1987		2714.8	84160.	4008.669	9650.5	299164.	5656.475	3.555	26.4	818.	28.737	.01	0.
6	1987		3115.6	93469.	4102.138	10564.2	316926.	5973.401	3.391	25.6	768.	29.505	.01	0.
7	1987		4674.3	144902.	4247.040	17198.2	533143.	6506.544	3.679	22.6	700.	30.205	.00	0.
8	1987		5213.6	161622.	4408.662	17081.1	529513.	7036.057	3.276	13.4	415.	30.620	.00	0.
9	1987		5874.6	176238.	4584.900	18419.6	552587.	7588.644	3.135	21.3	640.	31.260	.00	0.
10	1987		5403.9	167521.	4752.421	17848.9	553316.	8141.960	3.303	20.8	645.	31.905	.00	0.
Sub	1987		4128.11	1254929.		12823.7	3898411.		3.106	22.7	6905.		.01	0.

\* Per Calendar Day

PUERTO CHIQUITO MANCOS WEST, RIO ARRIBA CO. NM  
 BMS, CANADA OJITOS UNIT 25, (NW/NE (B) 32-25N-1W) C025.MAL  
 GROSS PRODUCTION



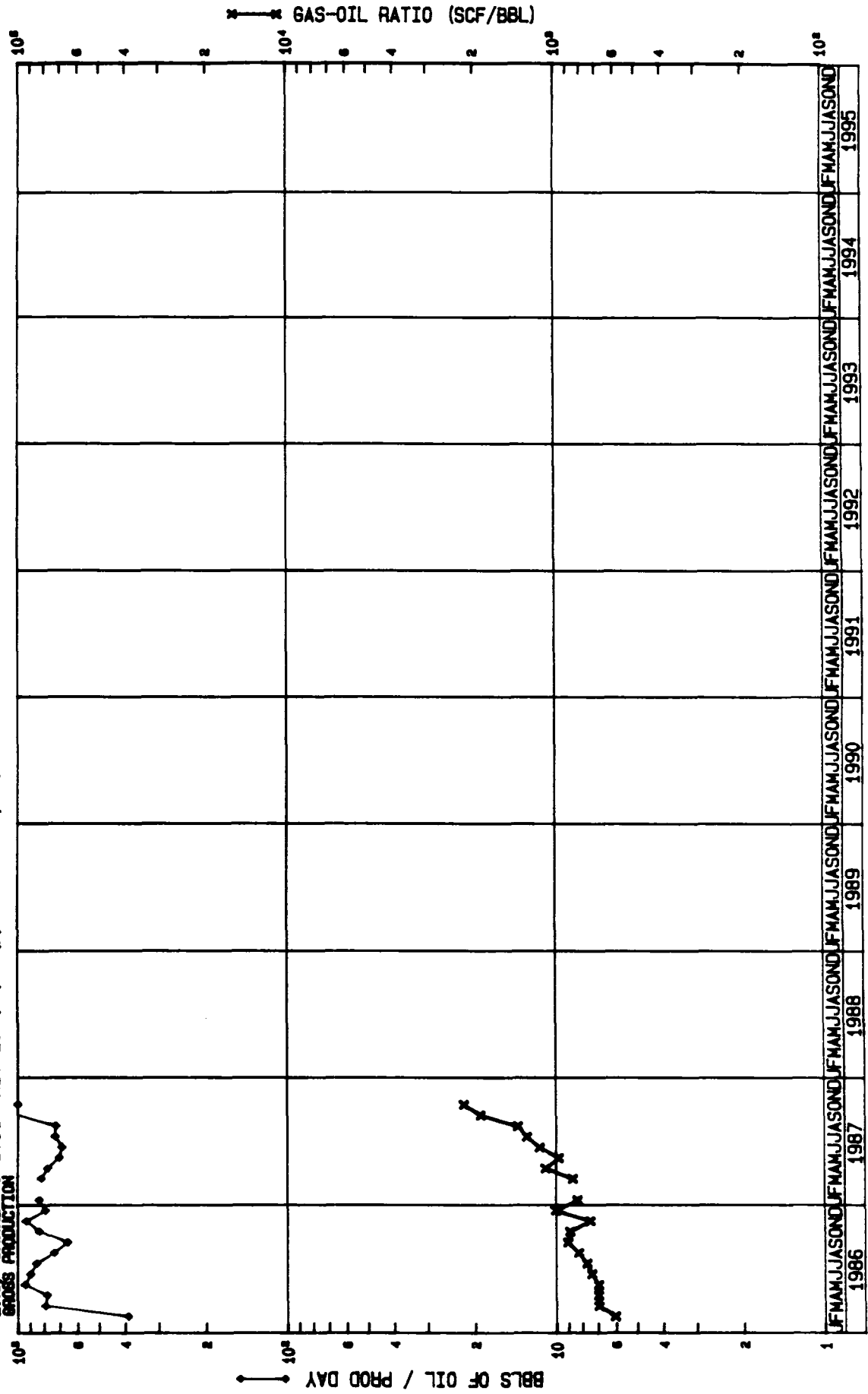
PUERTO CHIQUITO MANCOS WEST, RIO ARRIBA CO., NM  
 BMG, CANADA OJITOS UNIT 25, (NW/NE(B) 32-25N-1W) CO25.MAL

Mo	Year	Stat	OIL/COND			GAS			WATER				Days Prod	
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB		WOR B/B
1	1985		141.5	4386.	4.386	84.9	2632.	2.632	.600	92.2	2857.	2.857	.65	0.
2	1985		546.1	15290.	19.676	327.6	9174.	11.806	.600	8.9	248.	3.105	.02	0.
3	1985		445.2	13800.	33.476	267.1	8280.	20.086	.600	.0	0.	3.105	.00	0.
4	1985		502.0	15060.	48.536	301.2	9036.	29.122	.600	.0	0.	3.105	.00	0.
5	1985		472.2	14639.	63.175	188.9	5856.	34.978	.400	.0	0.	3.105	.00	0.
6	1985		455.2	13657.	76.832	182.1	5463.	40.441	.400	.0	0.	3.105	.00	0.
7	1985		513.2	15908.	92.740	205.3	6363.	46.804	.400	.0	0.	3.105	.00	0.
8	1985		463.6	14371.	107.111	185.4	5748.	52.552	.400	.0	0.	3.105	.00	0.
9	1985		533.6	16008.	123.119	213.4	6403.	58.955	.400	.0	0.	3.105	.00	0.
10	1985		504.6	15643.	138.762	201.8	6257.	65.212	.400	.0	0.	3.105	.00	0.
11	1985		523.4	15703.	154.465	209.4	6281.	71.493	.400	.0	0.	3.105	.00	0.
12	1985		504.5	15639.	170.104	201.8	6256.	77.749	.400	.0	0.	3.105	.00	0.
Sub	1985		466.0	170104.		213.0	77749.		.457	8.5	3105.		.02	0.
1	1986		492.1	15255.	185.359	196.8	6102.	83.851	.400	92.2	2857.	5.962	.19	0.
2	1986		521.1	14590.	199.949	208.4	5836.	89.687	.400	8.9	248.	6.210	.02	0.
3	1986		616.7	19118.	219.067	246.7	7648.	97.335	.400	.0	0.	6.210	.00	0.
4	1986		714.5	21436.	240.503	285.8	8574.	105.909	.400	.0	0.	6.210	.00	0.
5	1986		722.0	22383.	262.886	288.8	8953.	114.862	.400	.0	0.	6.210	.00	31.
6	1986		705.0	21150.	284.036	576.7	17301.	132.163	.818	.0	0.	6.210	.00	0.
7	1986		646.3	20036.	304.072	645.0	19996.	152.159	.998	.0	0.	6.210	.00	0.
8	1986		300.0	9301.	313.373	256.5	7952.	160.111	.855	.0	0.	6.210	.00	0.
9	1986		470.0	14101.	327.474	449.3	13480.	173.591	.956	.0	0.	6.210	.00	0.
10	1986		568.8	17632.	345.106	529.0	16398.	189.989	.930	.0	0.	6.210	.00	0.
11	1986		528.6	15330.	360.436	507.5	14717.	204.706	.960	.0	0.	6.210	.00	29.
12	1986		539.7	16190.	376.626	595.5	17864.	222.570	1.103	.0	0.	6.210	.00	30.
Sub	1986		2294.7	206522.		1609.1	144821.		.701	34.5	3105.		.02	90.
1	1987		502.4	15072.	391.698	412.5	12374.	234.944	.821	.0	0.	6.210	.00	30.
2	1987	P	650.3	12355.	404.053	532.8	10123.	245.067	.819	.0	0.	6.210	.00	19.
3	1987	P	624.1	11233.	415.286	594.4	10700.	255.767	.953	.0	0.	6.210	.00	18.
4	1987	P	626.4	8143.	423.429	614.2	7985.	263.752	.981	.0	0.	6.210	.00	13.
5	1987	P	599.3	10188.	433.617	458.2	7790.	271.542	.765	.0	0.	6.210	.00	17.
6	1987	P	586.4	15832.	449.449	514.4	13890.	285.432	.877	.0	0.	6.210	.00	27.
7	1987	P	497.6	12938.	462.387	612.7	15929.	301.361	1.231	.0	0.	6.210	.00	26.
8	1987	GL	689.2	19297.	481.684	934.9	26177.	327.538	1.357	.0	0.	6.210	.00	28.
9	1987	GL	897.4	26922.	508.606	998.6	29958.	357.496	1.113	.0	0.	6.210	.00	30.
10	1987	GL	770.5	23884.	532.490	951.3	29490.	386.986	1.235	.0	0.	6.210	.00	31.
Sub	1987		652.2	155864.		687.9	164416.		1.055	.0	0.		.00	239.

\* Per Producing Day



PUERTO CHICUITO MANCOS WEST, RIO ARRIBA CO., NM  
 BNG, CANADA OJITOS UNIT 28 (NM/NE (B) 29-25N-1W) C028  
 GROSS PRODUCTION

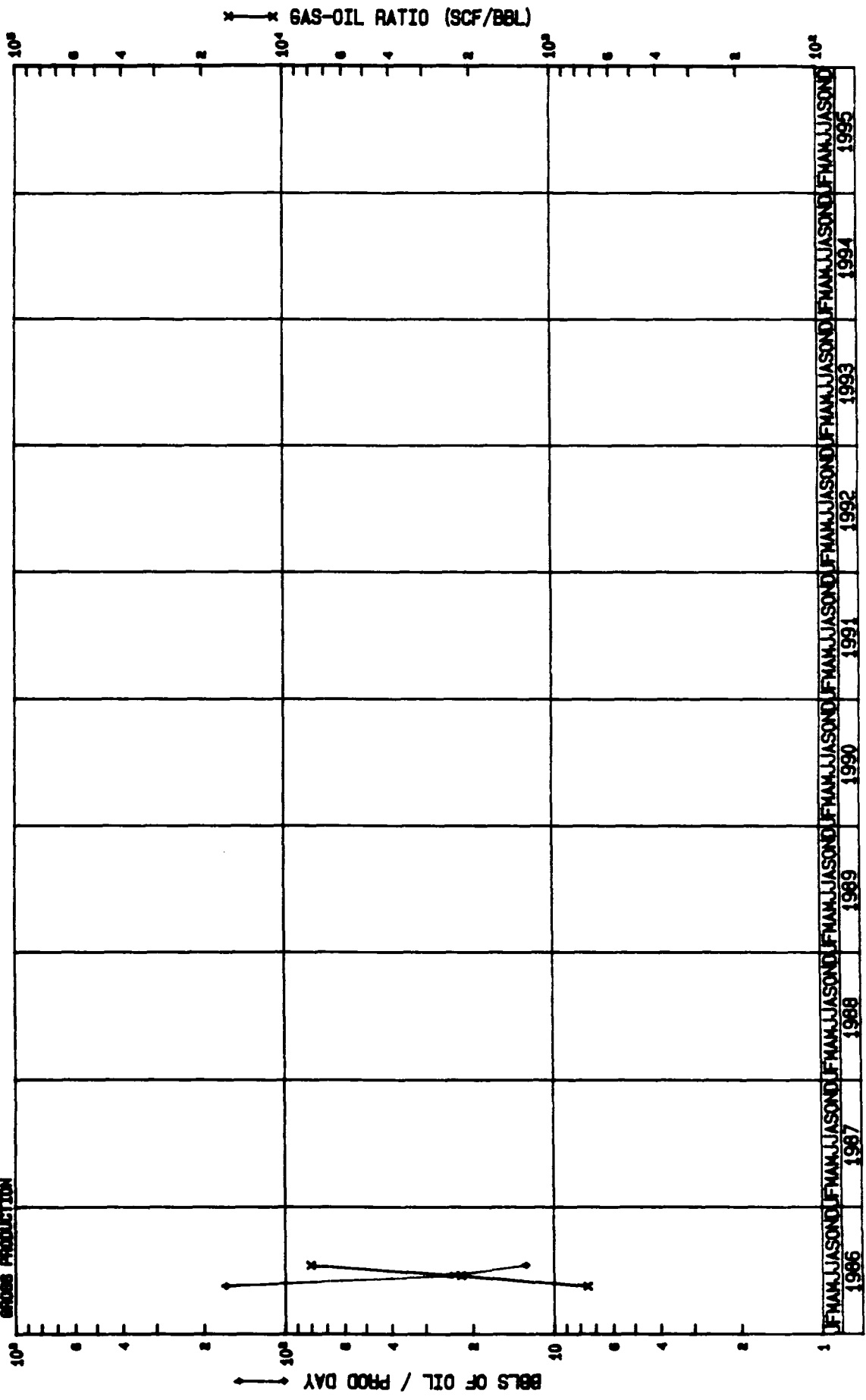


PUERTO CHIQUITO MANCOS WEST, RIO ARRIBA CO., NM  
 BMG, CANADA OJITOS UNIT 28 (NW/NE(B) 29-25N-1W) CO28

Mo	Year	Stat	OIL/COND			GAS			WATER				Days Prod	
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB		WOR B/B
1	1986		.0	0.	.000	.0	0.	.000	.000	92.2	2857.	2.857	.00	0.
2	1986		388.5	10878.	10.878	233.1	6527.	6.527	.600	8.9	248.	3.105	.02	0.
3	1986		786.5	24380.	35.258	542.6	16822.	23.349	.690	.0	0.	3.105	.00	0.
4	1986		771.9	23157.	58.415	532.6	15978.	39.327	.690	.0	0.	3.105	.00	0.
5	1986		932.2	28898.	87.313	643.2	19940.	59.267	.690	.0	0.	3.105	.00	31.
6	1986		890.7	26720.	114.033	652.0	19559.	78.826	.732	.0	0.	3.105	.00	0.
7	1986		846.5	26242.	140.275	645.9	20023.	98.849	.763	.0	0.	3.105	.00	0.
8	1986		728.8	22592.	162.867	597.6	18525.	117.374	.820	.0	0.	3.105	.00	0.
9	1986		650.2	19507.	182.374	583.6	17507.	134.881	.897	.0	0.	3.105	.00	0.
10	1986		828.6	25686.	208.060	730.8	22655.	157.536	.882	.0	0.	3.105	.00	0.
11	1986		926.8	24098.	232.158	687.7	17880.	175.416	.742	.0	0.	3.105	.00	26.
12	1986		786.0	24367.	256.525	783.4	24284.	199.700	.997	.0	0.	3.105	.00	31.
Sub	1986		2915.1	256525.		2269.3	199700.		.778	35.3	3105.		.01	88.
1	1987		826.4	22314.	278.839	681.8	18409.	218.109	.825	.0	0.	3.105	.00	27.
2	1987	SI	.0	0.	278.839	.0	0.	218.109	.000	.0	0.	3.105	.00	0.
3	1987	P	814.1	8141.	286.980	699.7	6997.	225.106	.859	.0	0.	3.105	.00	10.
4	1987	P	769.7	12315.	299.295	836.0	13376.	238.482	1.086	.0	0.	3.105	.00	16.
5	1987	P	697.6	11859.	311.154	677.1	11510.	249.992	.971	.0	0.	3.105	.00	17.
6	1987	P	682.7	18433.	329.587	780.0	21061.	271.053	1.143	.0	0.	3.105	.00	27.
7	1987	P	724.2	18104.	347.691	922.7	23068.	294.121	1.274	.0	0.	3.105	.00	25.
8	1987	GL	721.1	20912.	368.603	993.8	28821.	322.942	1.378	.0	0.	3.105	.00	29.
9	1987	GL	1122.8	31439.	400.042	2123.2	59449.	382.391	1.891	.0	0.	3.105	.00	28.
10	1987	GL	992.5	30767.	430.809	2159.3	66939.	449.330	2.176	.0	0.	3.105	.00	31.
Sub	1987		829.9	174284.		1188.7	249630.		1.432	.0	0.		.00	210.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MESA GRANDE, INVADER #1 (NW/NE (D) 1-24N-2W) INVAD1.MAL  
 GROSS PRODUCTION

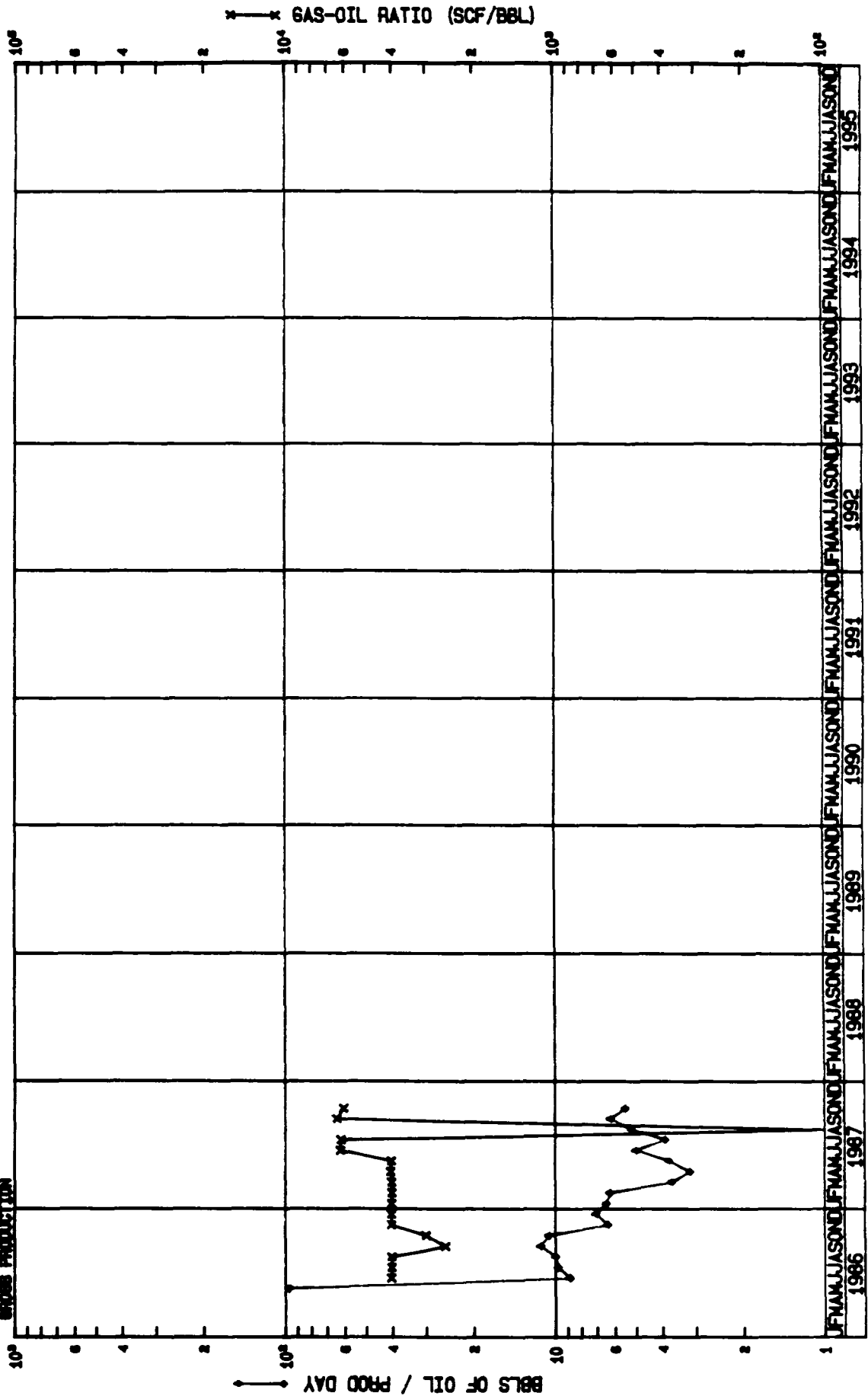


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MESA GRANDE, INVADER #1 (NW/NW(D) 1-24N-2W) INVAD1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
5	1986		166.0	498.	.498	123.3	370.	.370	.743	11.0	33.	.033	.07	3.
6	1986		24.2	459.	.957	53.1	1008.	1.378	2.196	.0	0.	.033	.00	19.
7	1986		12.7	114.	1.071	100.8	907.	2.285	7.956	.0	0.	.033	.00	9.
8	1986		.0	0.	1.071	.0	0.	2.285	.000	.0	0.	.033	.00	0.
9	1986		.0	0.	1.071	.0	0.	2.285	.000	.0	0.	.033	.00	0.
10	1986		.0	0.	1.071	.0	0.	2.285	.000	.0	0.	.033	.00	0.
11	1986		.0	0.	1.071	.0	0.	2.285	.000	.0	0.	.033	.00	0.
12	1986		.0	0.	1.071	.0	0.	2.285	.000	.0	0.	.033	.00	0.
Sub 1986			34.5	1071.		73.7	2285.		2.134	1.1	33.		.03	31.
1	1987	SI	.0	0.	1.071	.0	0.	2.285	.000	.0	0.	.033	.00	0.
2	1987	SI	.0	0.	1.071	.0	0.	2.285	.000	.0	0.	.033	.00	0.
3	1987	SI	.0	0.	1.071	.0	0.	2.285	.000	.0	0.	.033	.00	0.
4	1987	SI	.0	0.	1.071	.0	0.	2.285	.000	.0	0.	.033	.00	0.
5	1987	SI	.0	0.	1.071	.0	0.	2.285	.000	.0	0.	.033	.00	0.
6	1987	SI	.0	0.	1.071	.0	0.	2.285	.000	.0	0.	.033	.00	0.
7	1987	SI	.0	0.	1.071	.0	0.	2.285	.000	.0	0.	.033	.00	0.
8	1987	SI	.0	0.	1.071	.0	0.	2.285	.000	.0	0.	.033	.00	0.
9	1987	SI	.0	0.	1.071	.0	0.	2.285	.000	.0	0.	.033	.00	0.
10	1987	SI	.0	0.	1.071	82.3	247.	2.532	.000	.0	0.	.033	.00	3.
Sub 1987			.0	0.		82.3	247.		.000	.0	0.		.00	3.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, NEW HORIZON #1 (SW/SE (0) 2-24N-2M) NEH11.MAL  
 GROSS PRODUCTION

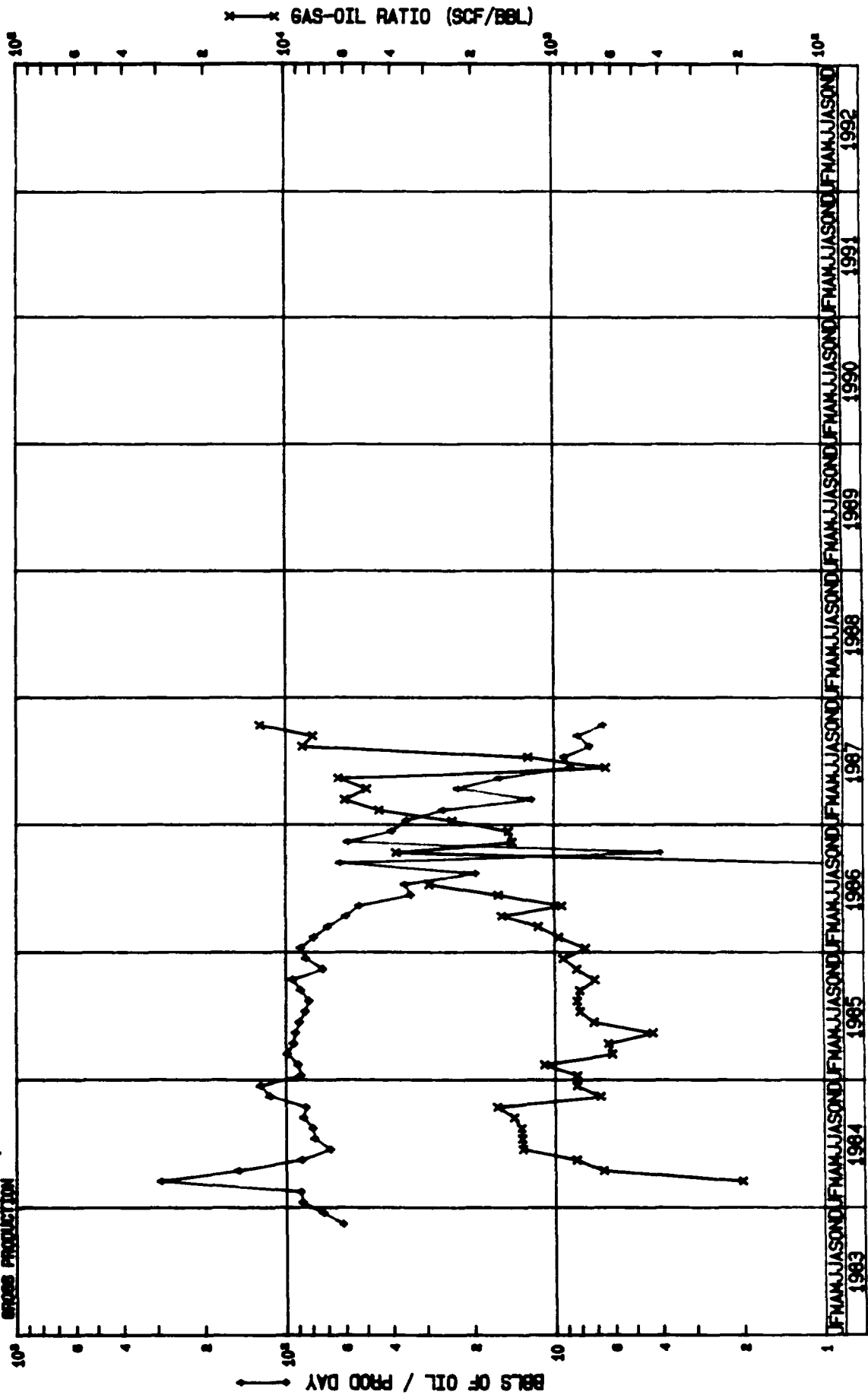


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, NEW HORIZON #1 (SW/SE(O) 2-24N-2W) NEWH1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
5	1986		96.3	289.	.289	.0	0.	.000	.000	.0	0.	.000	.00	3.
6	1986		8.8	264.	.553	35.3	1058.	1.058	4.008	.0	0.	.000	.00	30.
7	1986		9.7	302.	.855	38.9	1207.	2.265	3.997	.1	3.	.003	.01	31.
8	1986		10.0	309.	1.164	39.9	1238.	3.503	4.006	.2	5.	.008	.02	31.
9	1986		11.3	340.	1.504	28.7	861.	4.364	2.532	.2	5.	.013	.01	30.
10	1986		10.5	327.	1.831	31.5	975.	5.339	2.982	.2	5.	.018	.02	31.
11	1986		6.4	191.	2.022	25.5	765.	6.104	4.005	.2	5.	.023	.03	30.
12	1986		7.1	219.	2.241	28.3	877.	6.981	4.005	.2	5.	.028	.02	31.
Sub 1986			10.3	2241.		32.2	6981.		3.115	.1	28.		.01	217.
1	1987	GL	6.5	200.	2.441	25.8	800.	7.781	4.000	.1	3.	.031	.01	31.
2	1987	GL	6.3	169.	2.610	25.0	675.	8.456	3.994	.1	3.	.034	.02	27.
3	1987	GL	3.7	59.	2.669	14.8	236.	8.692	4.000	.2	3.	.037	.05	16.
4	1987	GL	3.1	88.	2.757	12.6	354.	9.046	4.023	.1	3.	.040	.03	28.
5	1987	GL	3.8	117.	2.874	15.1	468.	9.514	4.000	.1	4.	.044	.03	31.
6	1987	GL	5.0	135.	3.009	31.0	836.	10.350	6.193	.0	0.	.044	.00	27.
7	1987	GL	3.9	117.	3.126	24.0	720.	11.070	6.154	.0	0.	.044	.00	30.
8	1987	GL	5.2	161.	3.287	.5	16.	11.086	.099	.0	0.	.044	.00	31.
9	1987	GL	6.2	186.	3.473	39.5	1184.	12.270	6.366	1.0	30.	.074	.16	30.
10	1987	GL	5.5	169.	3.642	32.7	1014.	13.284	6.000	1.0	31.	.105	.18	31.
Sub 1987			5.0	1401.		22.4	6303.		4.499	.3	77.		.05	282.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA CO, NM  
 SUN EXPLORATION, WRIGHT WAY #1 (NE/4W(C) 2-24N-2W) WRT#1. MAL  
 GROSS PRODUCTION



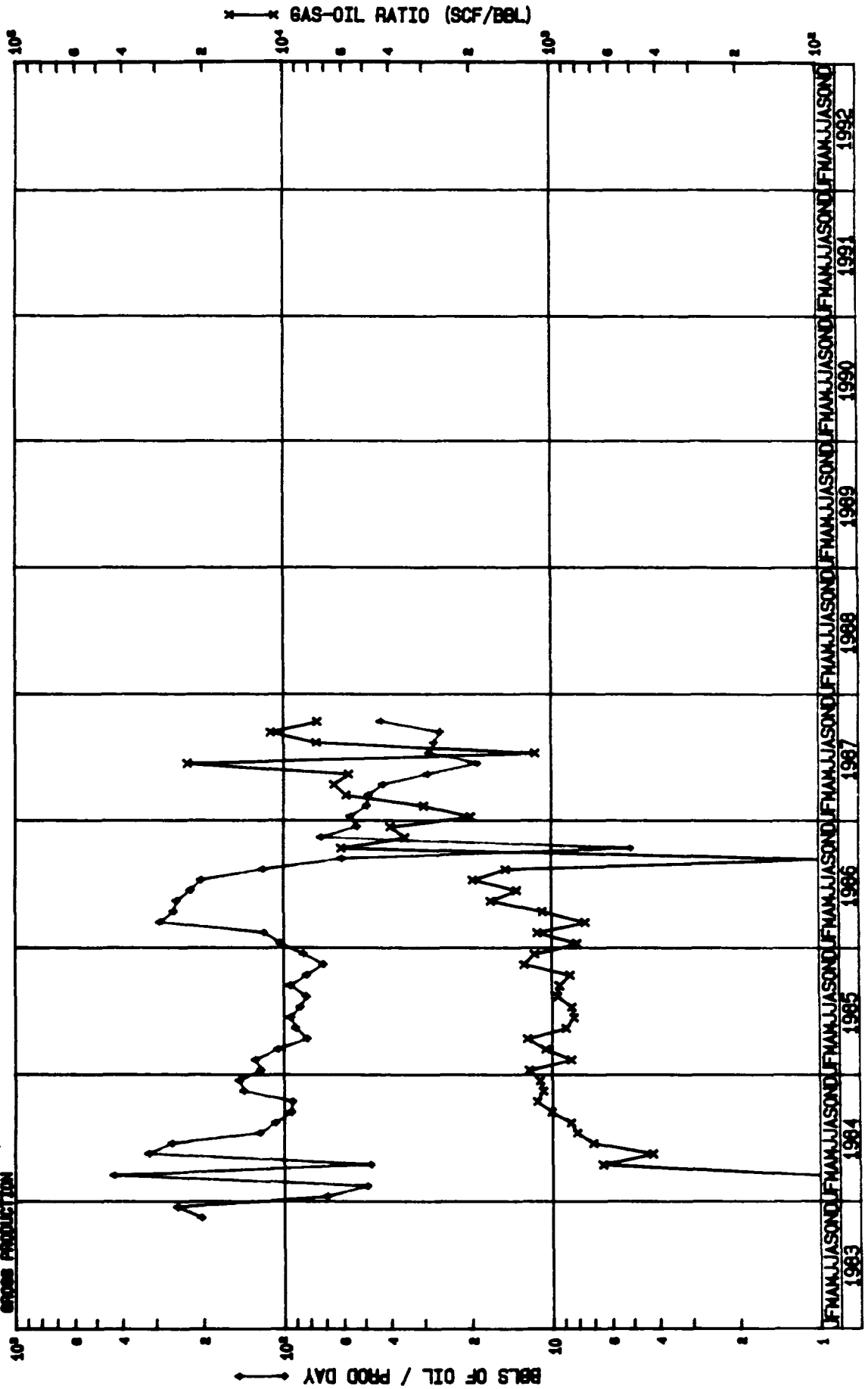
GAVILAN MANCOS FIELD, RIO ARRIBA CO., NM  
 SUN EXPLORATION, WRIGHT WAY #1 (NE/NW(C) 2-24N-2W) WRTW1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
11	1983		61.4	1843.	1.843	.0	0.	.000	.000	2.9	87.	.087	.05	30.
12	1983		72.7	2254.	4.097	.0	0.	.000	.000	3.0	93.	.180	.04	31.
Sub 1983			67.2	4097.		.0	0.	.000	.000	3.0	180.		.04	61.
1	1984		86.9	2695.	6.792	.0	0.	.000	.000	3.0	93.	.273	.03	31.
2	1984		88.4	2564.	9.356	.0	0.	.000	.000	3.0	87.	.360	.03	29.
3	1984		290.7	2907.	12.263	58.1	581.	.581	.200	9.3	93.	.453	.03	10.
4	1984		150.2	2704.	14.967	98.7	1776.	2.357	.657	5.0	90.	.543	.03	18.
5	1984		87.3	2707.	17.674	72.1	2235.	4.592	.826	3.0	93.	.636	.03	31.
6	1984		68.4	2053.	19.727	89.5	2686.	7.278	1.308	3.0	90.	.726	.04	30.
7	1984		78.4	2430.	22.157	103.3	3202.	10.480	1.318	3.0	93.	.819	.04	31.
8	1984		79.7	2470.	24.627	105.8	3279.	13.759	1.328	3.0	93.	.912	.04	31.
9	1984		86.3	2590.	27.217	121.8	3654.	17.413	1.411	1.0	29.	.941	.01	30.
10	1984		84.3	2614.	29.831	137.1	4250.	21.663	1.626	.3	10.	.951	.00	31.
11	1984		114.6	3210.	33.041	76.9	2152.	23.815	.670	.4	10.	.961	.00	28.
12	1984		124.4	3856.	36.897	102.4	3173.	26.988	.823	.3	10.	.971	.00	31.
Sub 1984			99.1	32800.		81.5	26988.		.823	2.4	791.		.02	331.
1	1985		88.0	2727.	39.624	72.1	2234.	29.222	.819	.3	10.	.981	.00	31.
2	1985		90.2	2525.	42.149	98.1	2746.	31.968	1.088	.4	10.	.991	.00	28.
3	1985		99.0	3070.	45.219	60.2	1866.	33.834	.608	.3	10.	1.001	.00	31.
4	1985		93.5	2804.	48.023	58.7	1760.	35.594	.628	.5	15.	1.016	.01	30.
5	1985		92.0	2851.	50.874	39.4	1220.	36.814	.428	.4	12.	1.028	.00	31.
6	1985		89.0	2671.	53.545	63.3	1900.	38.714	.711	.3	10.	1.038	.00	30.
7	1985		84.7	2625.	56.170	67.8	2103.	40.817	.801	.5	15.	1.053	.01	31.
8	1985		82.1	2545.	58.715	67.4	2088.	42.905	.820	.6	20.	1.073	.01	31.
9	1985		88.2	2204.	60.919	70.8	1769.	44.674	.803	.8	20.	1.093	.01	25.
10	1985		94.2	2920.	63.839	66.3	2056.	46.730	.704	.6	20.	1.113	.01	31.
11	1985		72.7	1891.	65.730	59.7	1551.	48.281	.820	.7	17.	1.130	.01	26.
12	1985		84.2	2611.	68.341	77.6	2405.	50.686	.921	.6	20.	1.150	.01	31.
Sub 1985			88.3	31444.		66.6	23698.		.754	.5	179.		.01	356.
1	1986		88.0	2728.	71.069	66.9	2075.	52.761	.761	1.0	30.	1.180	.01	31.
2	1986		78.6	2121.	73.190	75.3	2032.	54.793	.958	.7	18.	1.198	.01	27.
3	1986		69.6	2159.	75.349	79.4	2461.	57.254	1.140	.6	20.	1.218	.01	31.
4	1986		59.4	1724.	77.073	92.4	2679.	59.933	1.554	.7	20.	1.238	.01	29.
5	1986		53.1	1645.	78.718	49.3	1529.	61.462	.929	.3	9.	1.247	.01	31.
6	1986		34.2	1025.	79.743	54.7	1641.	63.103	1.601	.5	14.	1.261	.01	30.
7	1986		36.0	863.	80.606	104.1	2499.	65.602	2.896	.6	15.	1.276	.02	24.
8	1986		19.6	608.	81.214	.0	0.	65.602	.000	.5	15.	1.291	.02	31.
9	1986		62.7	439.	81.653	1.7	12.	65.614	.027	.6	4.	1.295	.01	7.
10	1986		4.0	125.	81.778	15.5	479.	66.093	3.832	.0	1.	1.296	.01	31.
11	1986		58.4	1753.	83.531	82.7	2482.	68.575	1.416	.6	18.	1.314	.01	30.
12	1986		40.0	1241.	84.772	58.5	1812.	70.387	1.460	.5	14.	1.328	.01	31.
Sub 1986			49.3	16431.		59.2	19701.		1.199	.5	178.		.01	333.
1	1987	P	35.3	1060.	85.832	83.6	2508.	72.895	2.366	.6	17.	1.345	.02	30.
2	1987	P	25.8	594.	86.426	114.5	2633.	75.528	4.433	.4	10.	1.355	.02	23.
3	1987	P	12.1	267.	86.693	72.3	1591.	77.119	5.959	.5	10.	1.365	.04	22.
4	1987	P	22.8	685.	87.378	112.6	3378.	80.497	4.931	.5	14.	1.379	.02	30.
5	1987	P	16.0	495.	87.873	100.5	3115.	83.612	6.293	.5	14.	1.393	.03	31.
6	1987	P	8.7	234.	88.107	5.5	149.	83.761	.637	1.0	27.	1.420	.12	27.
7	1987	P	9.2	275.	88.382	11.3	340.	84.101	1.236	.7	20.	1.440	.07	30.
8	1987	P	7.4	199.	88.581	63.2	1707.	85.808	8.578	.5	13.	1.453	.07	27.
9	1987	P	8.2	237.	88.818	64.1	1859.	87.667	7.844	.5	15.	1.468	.06	29.
10	1987	P	6.5	203.	89.021	80.6	2500.	90.167	12.315	1.0	31.	1.499	.15	31.
Sub 1987			15.2	4249.		70.6	19780.		4.655	.6	171.		.04	280.

\* Per Producing Day



GAVILAN MANCOS FIELD, RIO ARRIBA CO, NM  
 SUN EXPLORATION, MOTHER LODE #1 (SE/NE (H) 3-24N-2M) MOTHER. MAL

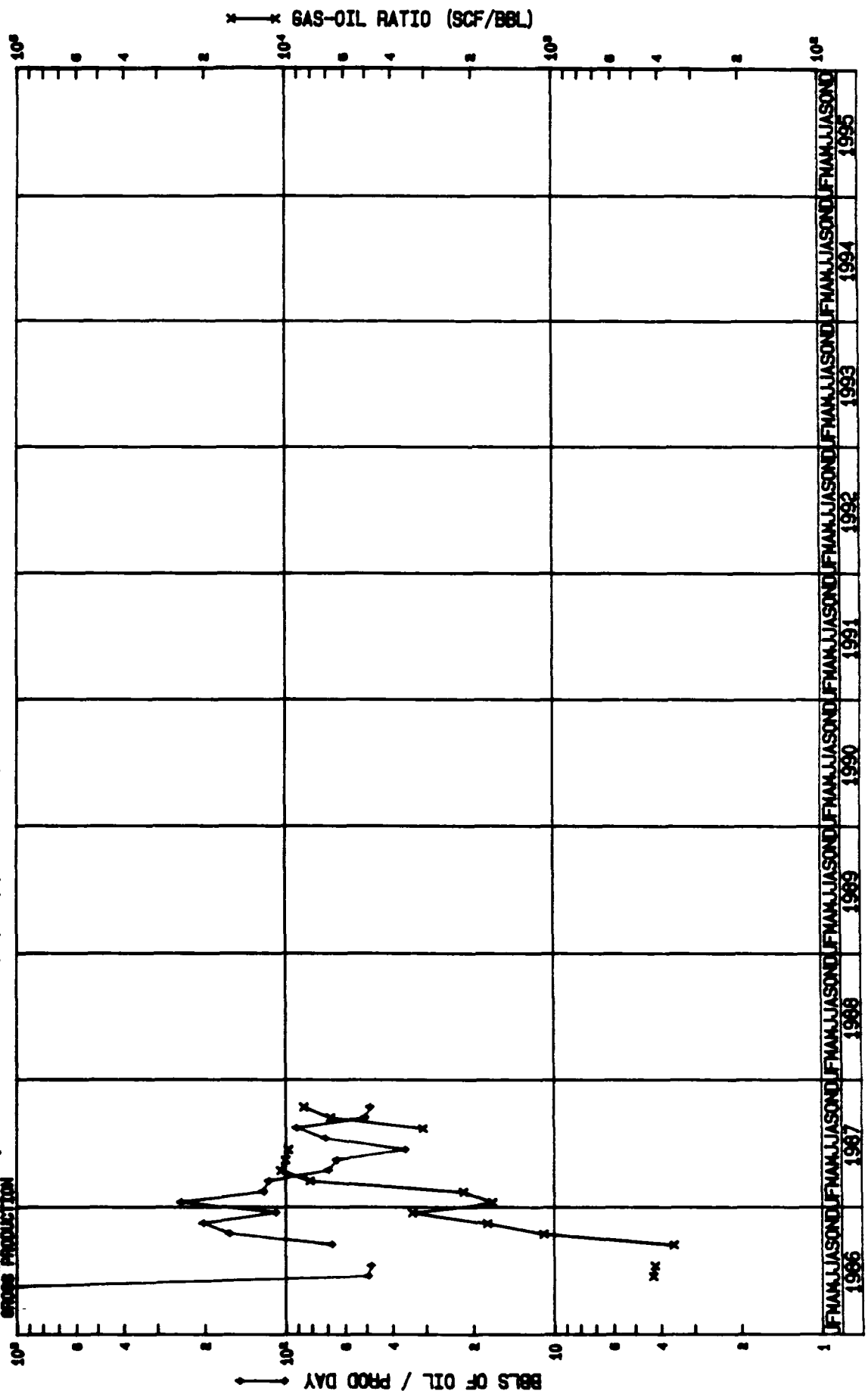


GAVILAN MANCOS FIELD, RIO ARRIBA CO., NM  
 SUN EXPLORATION, MOTHER LODE #1 (SE/NE(H) 3-24N-2W) MOTHER.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
11	1983		204.0	4284.	4.284	.0	0.	.000	.000	10.0	210.	.210	.05	21.
12	1983		250.4	7761.	12.045	.0	0.	.000	.000	2.2	69.	.279	.01	31.
Sub 1983			231.6	12045.		.0	0.	.000	.000	5.4	279.		.02	52.
1	1984		69.4	2151.	14.196	.0	0.	.000	.000	2.0	62.	.341	.03	31.
2	1984		49.2	1428.	15.624	.0	0.	.000	.000	2.0	58.	.399	.04	29.
3	1984		431.8	2159.	17.783	27.4	137.	1.137	.063	2.0	10.	.409	.00	5.
4	1984		47.8	1433.	19.216	30.8	924.	1.061	.645	2.0	60.	.469	.04	30.
5	1984		320.2	9606.	28.822	134.2	4026.	5.087	.419	.2	7.	.476	.00	30.
6	1984		262.4	7873.	36.695	183.5	5506.	10.593	.699	2.0	60.	.536	.01	30.
7	1984		123.7	3834.	40.529	99.5	3084.	13.677	.804	.6	20.	.556	.01	31.
8	1984		108.2	3354.	43.883	91.6	2841.	16.518	.847	.3	10.	.566	.00	31.
9	1984		94.2	2827.	46.710	94.4	2831.	19.349	1.001	2.0	60.	.626	.02	30.
10	1984		93.4	2894.	49.604	105.6	3275.	22.624	1.132	.5	15.	.641	.01	31.
11	1984		142.1	4264.	53.868	153.0	4590.	27.214	1.076	2.0	60.	.701	.01	30.
12	1984		147.1	4561.	58.429	162.6	5040.	32.254	1.105	.5	15.	.716	.00	31.
Sub 1984			136.8	46384.		95.1	32254.		.695	1.3	437.		.01	339.
1	1985		122.2	3788.	62.217	147.7	4578.	36.832	1.209	.5	15.	.731	.00	31.
2	1985		128.0	3584.	65.801	108.0	3024.	39.856	.844	.5	15.	.746	.00	28.
3	1985		105.7	3278.	69.079	111.1	3445.	43.301	1.051	.5	15.	.761	.00	31.
4	1985		82.1	2464.	71.543	100.9	3027.	46.328	1.228	.7	20.	.781	.01	30.
5	1985		90.6	2718.	74.261	79.9	2396.	48.724	.882	.5	15.	.796	.01	30.
6	1985		94.6	2838.	77.099	78.0	2341.	51.065	.825	.5	15.	.811	.01	30.
7	1985		87.2	2704.	79.803	73.3	2272.	53.337	.840	.5	15.	.826	.01	31.
8	1985		82.6	2561.	82.364	78.2	2423.	55.760	.946	.6	20.	.846	.01	31.
9	1985		94.6	2838.	85.202	87.8	2635.	58.395	.928	.7	20.	.866	.01	30.
10	1985		82.2	2549.	87.751	69.7	2162.	60.557	.848	.8	25.	.891	.01	31.
11	1985		71.3	1855.	89.606	89.9	2337.	62.894	1.260	.8	21.	.912	.01	26.
12	1985		84.7	2627.	92.233	97.5	3024.	65.918	1.151	.6	20.	.932	.01	31.
Sub 1985			93.9	33804.		93.5	33664.		.996	.6	216.		.01	360.
1	1986		103.7	3110.	95.343	82.9	2488.	68.406	.800	.8	25.	.957	.01	30.
2	1986		119.2	3218.	98.561	134.2	3624.	72.030	1.126	.9	25.	.982	.01	27.
3	1986		290.3	8709.	107.270	216.5	6494.	78.524	.746	.8	25.	1.007	.00	30.
4	1986		257.4	7464.	114.734	276.7	8025.	86.549	1.075	.7	20.	1.027	.00	29.
5	1986		250.8	7776.	122.510	420.0	13021.	99.570	1.675	.6	20.	1.047	.00	31.
6	1986		222.2	6666.	129.176	297.6	8927.	108.497	1.339	.7	20.	1.067	.00	30.
7	1986		203.6	6312.	135.488	397.5	12324.	120.821	1.952	1.0	31.	1.098	.00	31.
8	1986		119.6	3109.	138.597	176.1	4578.	125.399	1.472	1.0	25.	1.123	.01	26.
9	1986		60.8	1217.	139.814	5.0	100.	125.499	.082	.6	13.	1.136	.01	20.
10	1986		5.1	127.	139.941	30.8	769.	126.268	6.055	.0	0.	1.136	.00	25.
11	1986		72.7	1672.	141.613	254.0	5841.	132.109	3.493	.6	14.	1.150	.01	23.
12	1986		53.3	1440.	143.053	211.9	5720.	137.829	3.972	.7	20.	1.170	.01	27.
Sub 1986			154.5	50820.		218.6	71911.		1.415	.7	238.		.00	329.
1	1987	P	56.4	1637.	144.690	112.2	3255.	141.084	1.988	.7	21.	1.191	.01	29.
2	1987	P	48.9	1321.	146.011	145.3	3924.	145.008	2.970	.7	20.	1.211	.02	27.
3	1987	P	48.2	1252.	147.263	279.5	7268.	152.276	5.805	.6	15.	1.226	.01	26.
4	1987	P	42.7	981.	148.244	274.5	6313.	158.589	6.435	.6	14.	1.240	.01	23.
5	1987	P	29.0	899.	149.143	164.4	5096.	163.685	5.669	.6	19.	1.259	.02	31.
6	1987	P	19.0	513.	149.656	431.1	11639.	175.324	22.688	.0	0.	1.259	.00	27.
7	1987	P	28.6	888.	150.544	32.7	1015.	176.339	1.143	.0	0.	1.259	.00	31.
8	1987	P	27.4	739.	151.283	204.8	5529.	181.868	7.482	.0	0.	1.259	.00	27.
9	1987	P	26.0	208.	151.491	288.3	2306.	184.174	11.087	.0	0.	1.259	.00	8.
10	1987	P	43.4	1344.	152.835	321.8	9975.	194.149	7.422	.0	0.	1.259	.00	31.
Sub 1987			37.6	9782.		216.6	56320.		5.758	.3	89.		.01	260.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, MOTHER LODE #2 (NE/SW (K) 3-24N-2W) MOTHER 2.MAL

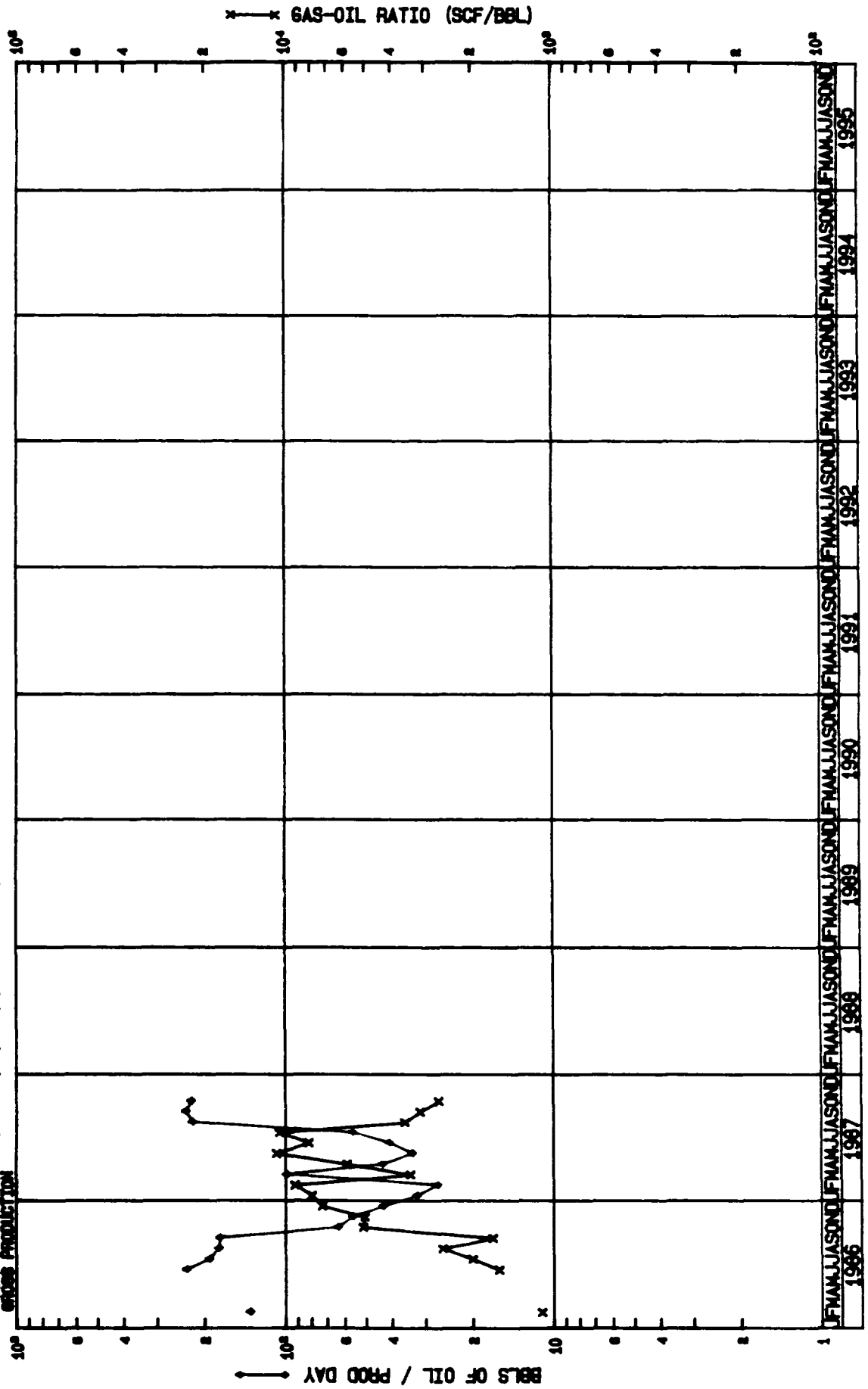


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, MOTHER LODE #2 (NE/SW(K) 3-24N-2W) MOTHR2.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
5	1986		1042.0	1042.	1.042	.0	0.	.000	.000	.0	0.	.000	.00	1.
6	1986		49.4	1482.	2.524	21.0	631.	.631	.426	.0	0.	.000	.00	30.
7	1986		48.2	241.	2.765	20.2	101.	.732	.419	.0	0.	.000	.00	5.
8	1986		.0	0.	2.765	.0	0.	.732	.000	.0	0.	.000	.00	0.
9	1986		67.5	135.	2.900	24.0	48.	.780	.356	.0	0.	.000	.00	2.
10	1986		162.6	4389.	7.289	176.9	4775.	5.555	1.088	.3	8.	.008	.00	27.
11	1986	OF	203.3	3863.	11.152	358.2	6806.	12.361	1.762	.3	6.	.014	.00	19.
12	1986	OF	109.2	1966.	13.118	366.2	6591.	18.952	3.352	.2	4.	.018	.00	18.
Sub	1986		128.6	13118.		185.8	18952.		1.445	.2	18.		.00	102.
1	1987	OF	246.1	2707.	15.825	415.2	4567.	23.519	1.687	.4	4.	.022	.00	11.
2	1987	F	121.2	2908.	18.733	262.0	6288.	29.807	2.162	.5	11.	.033	.00	24.
3	1987	F	115.8	1389.	20.122	932.7	11192.	40.999	8.058	.3	4.	.037	.00	12.
4	1987	F	69.3	762.	20.884	717.3	7890.	48.889	10.354	.2	2.	.039	.00	11.
5	1987	F	64.5	710.	21.594	642.5	7068.	55.957	9.955	.3	3.	.042	.00	11.
6	1987	F	35.9	359.	21.953	348.4	3484.	59.441	9.705	.0	0.	.042	.00	10.
7	1987	F	71.5	2215.	24.168	.0	0.	59.441	.000	.0	0.	.042	.00	31.
8	1987	F	91.3	2466.	26.634	279.5	7546.	66.987	3.060	.0	0.	.042	.00	27.
9	1987	F	50.6	1417.	28.051	341.6	9565.	76.552	6.750	.0	0.	.042	.00	28.
10	1987	F	48.5	1503.	29.554	411.5	12758.	89.310	8.488	.0	0.	.042	.00	31.
Sub	1987		83.9	16436.		359.0	70358.		4.281	.1	24.		.00	196.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MOBIL LINDRITH 8-37 (SW/NE (6) 4-24N-2W) LIN837.MAL  
 GAS PRODUCTION

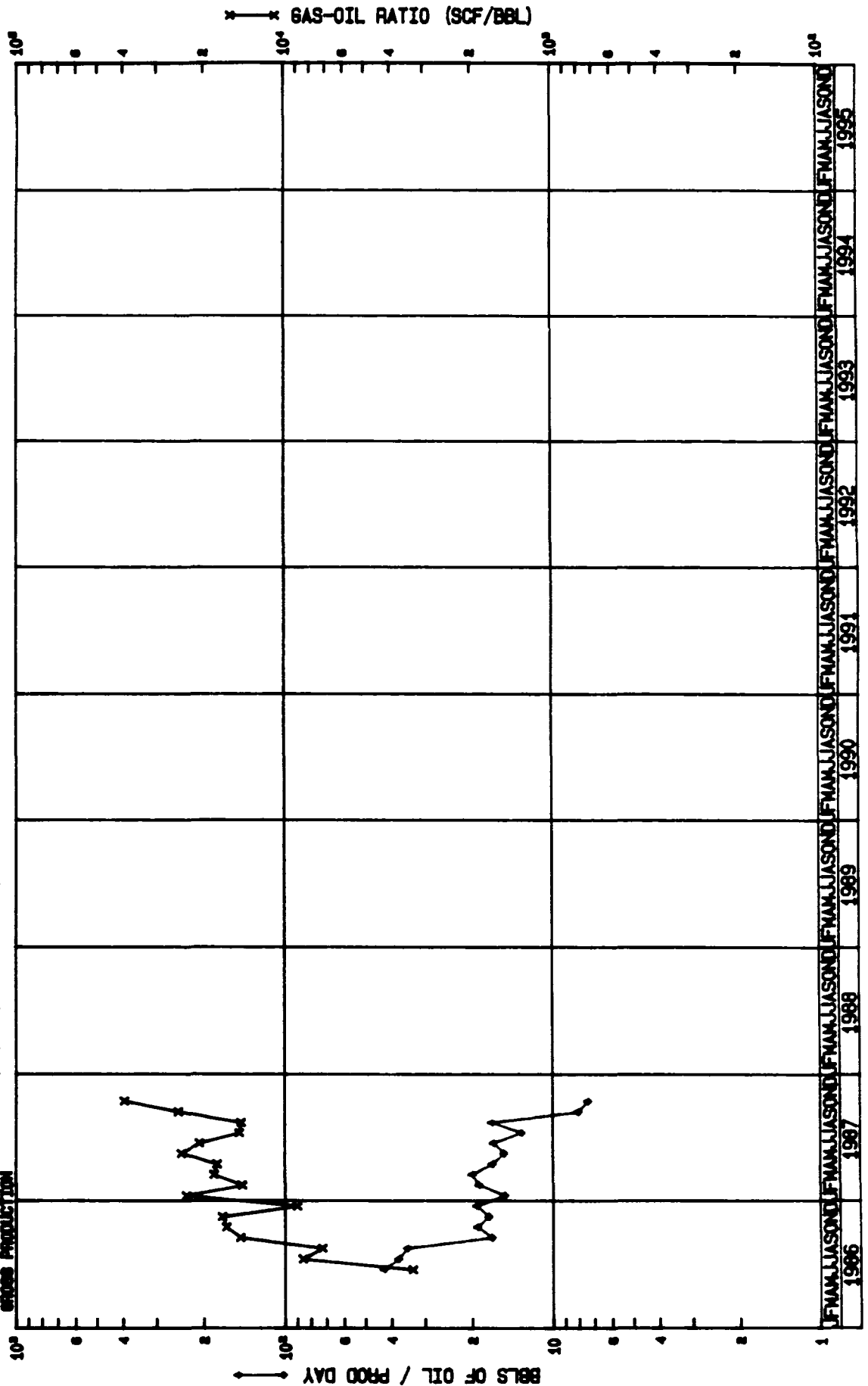


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MOBIL, LINDRITH B-37 (SW/NE(G) 4-24N-2W) LINB37.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
2	1986		135.2	2299.	2.299	149.1	2535.	2.535	1.103	8.0	136.	.136	.06	17.
3	1986	SI	.0	0.	2.299	.0	0.	2.535	.000	.0	0.	.136	.00	0.
4	1986	SI	.0	0.	2.299	.0	0.	2.535	.000	.0	0.	.136	.00	0.
5	1986	SI	.0	0.	2.299	.0	0.	2.535	.000	.0	0.	.136	.00	0.
6	1986		233.7	4440.	6.739	372.2	7072.	9.607	1.593	9.0	171.	.307	.04	19.
7	1986		192.4	5194.	11.933	384.4	10379.	19.986	1.998	5.3	143.	.450	.03	27.
8	1986		176.5	5118.	17.051	454.6	13184.	33.170	2.576	5.0	145.	.595	.03	29.
9	1986		175.6	3512.	20.563	294.4	5888.	39.058	1.677	5.0	100.	.695	.03	20.
10	1986		63.6	1973.	22.536	324.9	10071.	49.129	5.104	5.0	155.	.850	.08	31.
11	1986		56.1	1682.	24.218	282.4	8473.	57.602	5.037	5.0	150.	1.000	.09	30.
12	1986		43.2	1340.	25.558	314.2	9740.	67.342	7.269	5.0	155.	1.155	.12	31.
Sub	1986		125.3	25558.		330.1	67342.		2.635	5.7	1155.		.05	204.
1	1987	OF	32.4	1003.	26.561	256.9	7965.	75.307	7.941	4.2	129.	1.284	.13	31.
2	1987	F	27.1	760.	27.321	249.4	6984.	82.291	9.189	4.0	112.	1.396	.15	28.
3	1987	F	98.7	2271.	29.592	335.3	7712.	90.003	3.396	4.0	92.	1.488	.04	23.
4	1987	F	43.4	1172.	30.764	254.0	6859.	96.862	5.852	4.0	108.	1.596	.09	27.
5	1987	F	33.6	941.	31.705	360.6	10097.	106.959	10.730	4.0	112.	1.708	.12	28.
6	1987	F	41.0	1067.	32.772	334.2	8690.	115.649	8.144	2.2	58.	1.766	.05	26.
7	1987	F	56.3	1744.	34.516	589.1	18261.	133.910	10.471	2.0	62.	1.828	.04	31.
8	1987	F	221.9	6213.	40.729	790.3	22129.	156.039	3.562	2.0	56.	1.884	.01	28.
9	1987	F	235.3	7059.	47.788	737.3	22118.	178.157	3.133	1.1	33.	1.917	.00	30.
10	1987	F	223.3	6921.	54.709	593.7	18404.	196.561	2.659	1.0	31.	1.948	.00	31.
Sub	1987		103.0	29151.		456.6	129219.		4.433	2.8	793.		.03	283.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MOBIL LINDRITH 8-38 (NE/SW (K) 4-24N-2W) LIN638.MAL  
 GROSS PRODUCTION



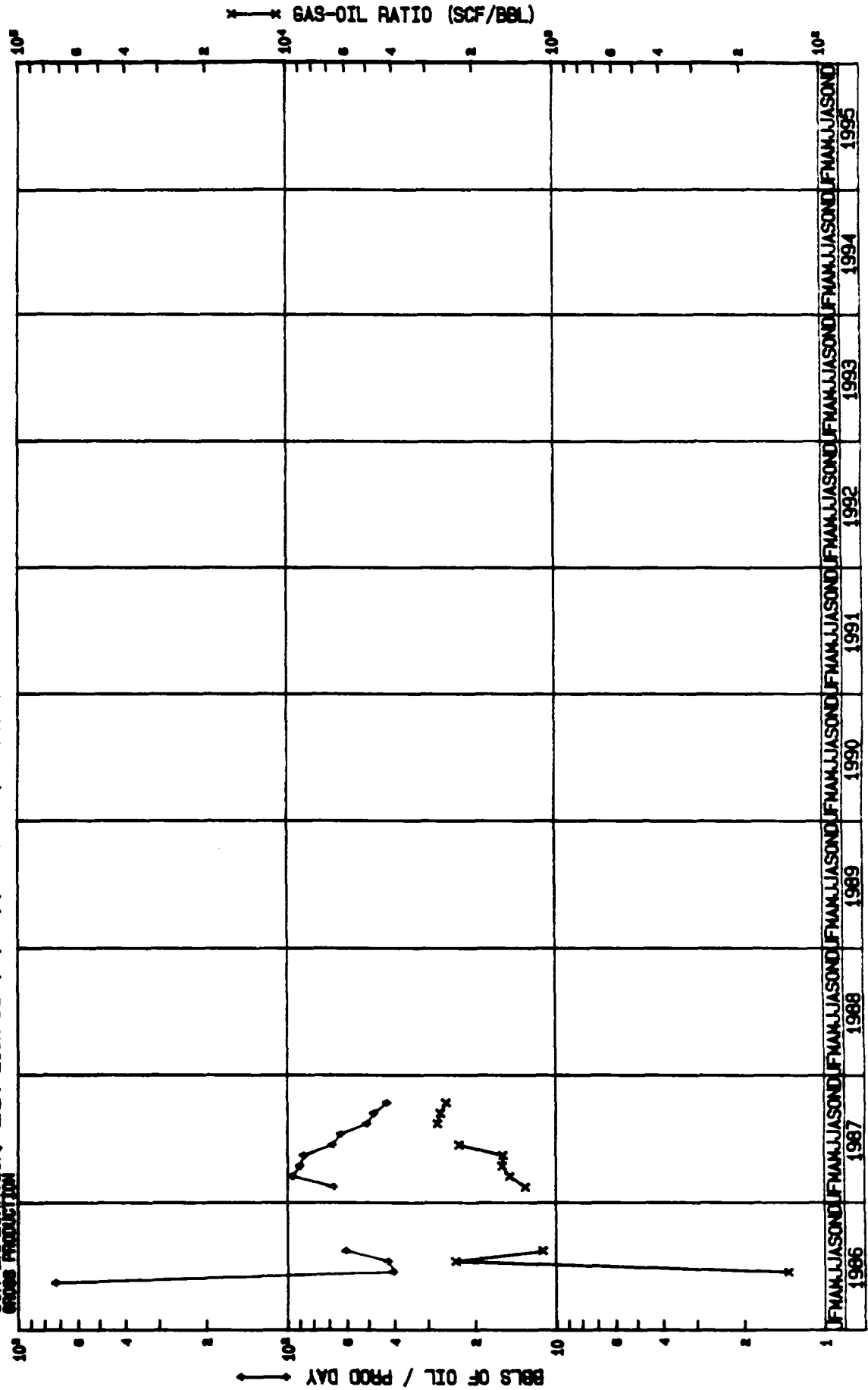
GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MOBIL, LINDRITH B-38 (NE/SW(K) 4-24N-2W) LINB38.MAL

Mo	Year	Stat	OIL/COND			GAS			WATER				Days Prod	
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB		WOR B/B
6	1986		42.5	808.	.808	140.5	2670.	2.670	3.304	19.5	370.	.370	.46	19.
7	1986		37.6	1165.	1.973	319.1	9893.	12.563	8.492	10.6	328.	.698	.28	31.
8	1986		34.8	1009.	2.982	250.5	7264.	19.827	7.199	8.3	240.	.938	.24	29.
9	1986		16.9	338.	3.320	245.6	4912.	24.739	14.533	8.0	160.	1.098	.47	20.
10	1986	OP	19.1	458.	3.778	312.7	7504.	32.243	16.384	6.3	150.	1.248	.33	24.
11	1986	OP	17.3	399.	4.177	294.4	6772.	39.015	16.972	6.0	138.	1.386	.35	23.
12	1986	OP	19.3	443.	4.620	172.1	3958.	42.973	8.935	7.5	173.	1.559	.39	23.
Sub	1986		27.3	4620.		254.3	42973.		9.302	9.2	1559.		.34	169.
1	1987	OP	15.1	348.	4.968	349.3	8034.	51.007	23.086	6.3	146.	1.705	.42	23.
2	1987	P	18.9	491.	5.459	270.0	7021.	58.028	14.299	5.8	150.	1.855	.31	26.
3	1987	P	19.9	517.	5.976	361.3	9394.	67.422	18.170	5.7	149.	2.004	.29	26.
4	1987	P	16.8	436.	6.412	296.8	7717.	75.139	17.700	5.7	149.	2.153	.34	26.
5	1987	P	15.2	410.	6.822	365.1	9858.	84.997	24.044	5.6	151.	2.304	.37	27.
6	1987	P	16.6	349.	7.171	342.7	7197.	92.194	20.622	2.5	52.	2.356	.15	21.
7	1987	P	13.1	405.	7.576	191.0	5921.	98.115	14.620	2.0	62.	2.418	.15	31.
8	1987	P	16.8	471.	8.047	242.6	6794.	104.909	14.425	2.0	56.	2.474	.12	28.
9	1987	P	8.0	240.	8.287	197.3	5920.	110.829	24.667	1.1	33.	2.507	.14	30.
10	1987	P	7.4	228.	8.515	288.7	8951.	119.780	39.259	1.0	31.	2.538	.14	31.
Sub	1987		14.5	3895.		285.5	76807.		19.719	3.6	979.		.25	269.

\* Per Producing Day



GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, LADY LUCK #1 (NE/NE (A) 5-24N-2W) LADY L. MAL

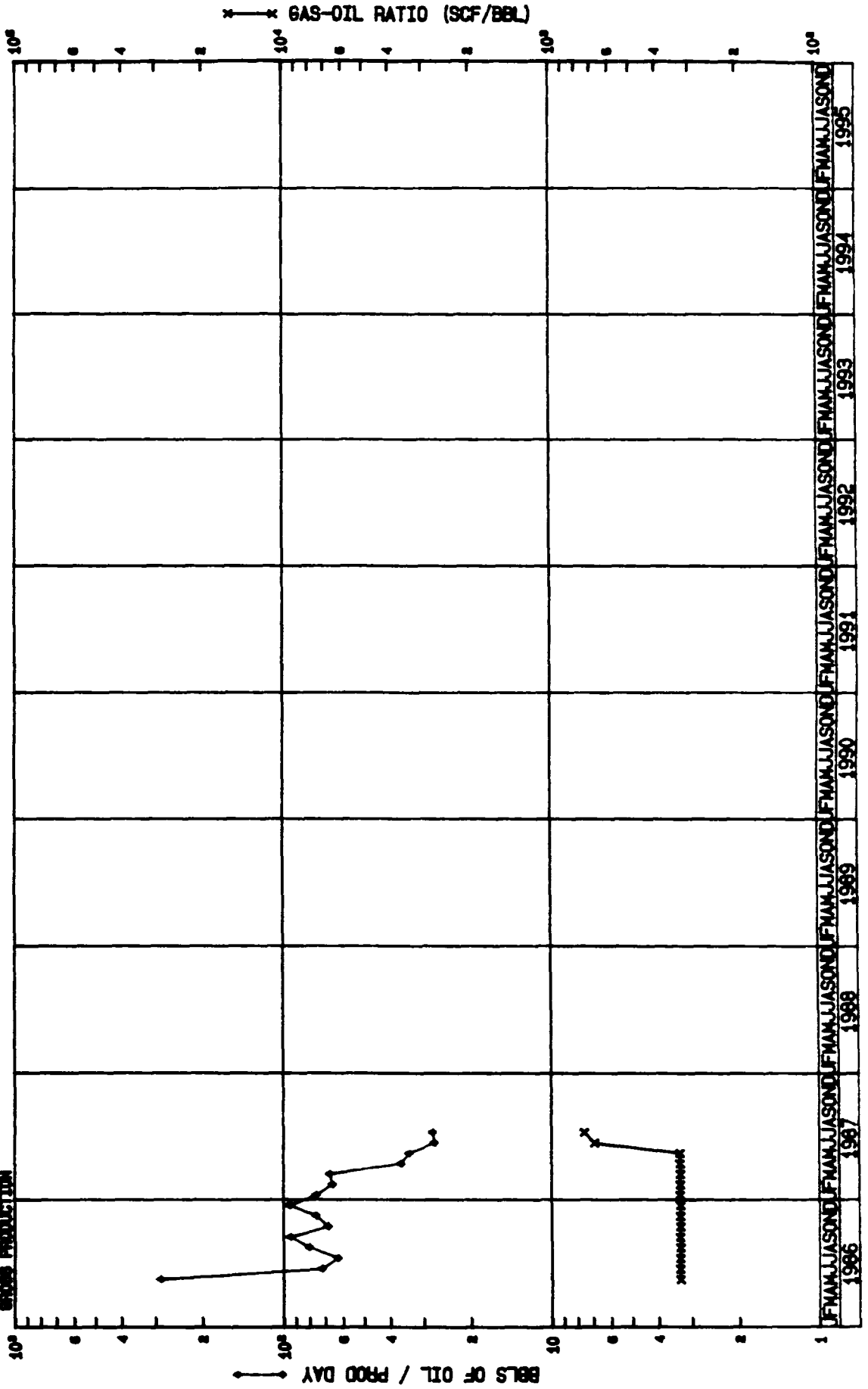


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, LADY LUCK #1 (NE/NE(A) 5-24N-2W) LADYLI.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
5	1986		726.0	726.	.726	.0	0.	.000	.000	.0	0.	.000	.00	1.
6	1986		40.3	1048.	1.774	5.5	142.	.142	.135	.4	10.	.010	.01	26.
7	1986		42.0	1051.	2.825	98.4	2461.	2.603	2.342	.4	10.	.020	.01	25.
8	1986		60.4	1088.	3.913	67.1	1208.	3.811	1.110	.3	6.	.026	.01	18.
9	1986		.0	0.	3.913	.0	0.	3.811	.000	.0	0.	.026	.00	0.
10	1986		.0	0.	3.913	.0	0.	3.811	.000	.0	0.	.026	.00	0.
11	1986	OF	.0	0.	3.913	.0	0.	3.811	.000	.0	0.	.026	.00	0.
12	1986	OF	.0	0.	3.913	.0	0.	3.811	.000	.0	0.	.026	.00	0.
Sub 1986			55.9	3913.		54.4	3811.		.974	.4	26.		.01	70.
1	1987	SI	.0	0.	3.913	.0	0.	3.811	.000	.0	0.	.026	.00	0.
2	1987	F	67.1	1074.	4.987	86.6	1385.	5.196	1.290	.3	5.	.031	.00	16.
3	1987	F	95.6	2964.	7.951	141.1	4373.	9.569	1.475	.3	10.	.041	.00	31.
4	1987	F	89.8	2693.	10.644	141.1	4233.	13.802	1.572	.3	10.	.051	.00	30.
5	1987	F	86.7	2687.	13.331	135.1	4188.	17.990	1.559	.2	5.	.056	.00	31.
6	1987	F	67.6	1420.	14.751	153.4	3221.	21.211	2.268	.0	0.	.056	.00	21.
7	1987	F	63.2	1895.	16.646	.0	0.	21.211	.000	.0	0.	.056	.00	30.
8	1987	F	50.4	1360.	18.006	137.8	3721.	24.932	2.736	.0	0.	.056	.00	27.
9	1987	F	47.5	1425.	19.431	126.7	3800.	28.732	2.667	.0	0.	.056	.00	30.
10	1987	F	42.3	1312.	20.743	107.3	3327.	32.059	2.536	.0	0.	.056	.00	31.
Sub 1987			68.1	16830.		114.4	28248.		1.678	.1	30.		.00	247.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, GREENER GRASS #1 (N/SE J) 10-24N-2M GREEN1.MAL

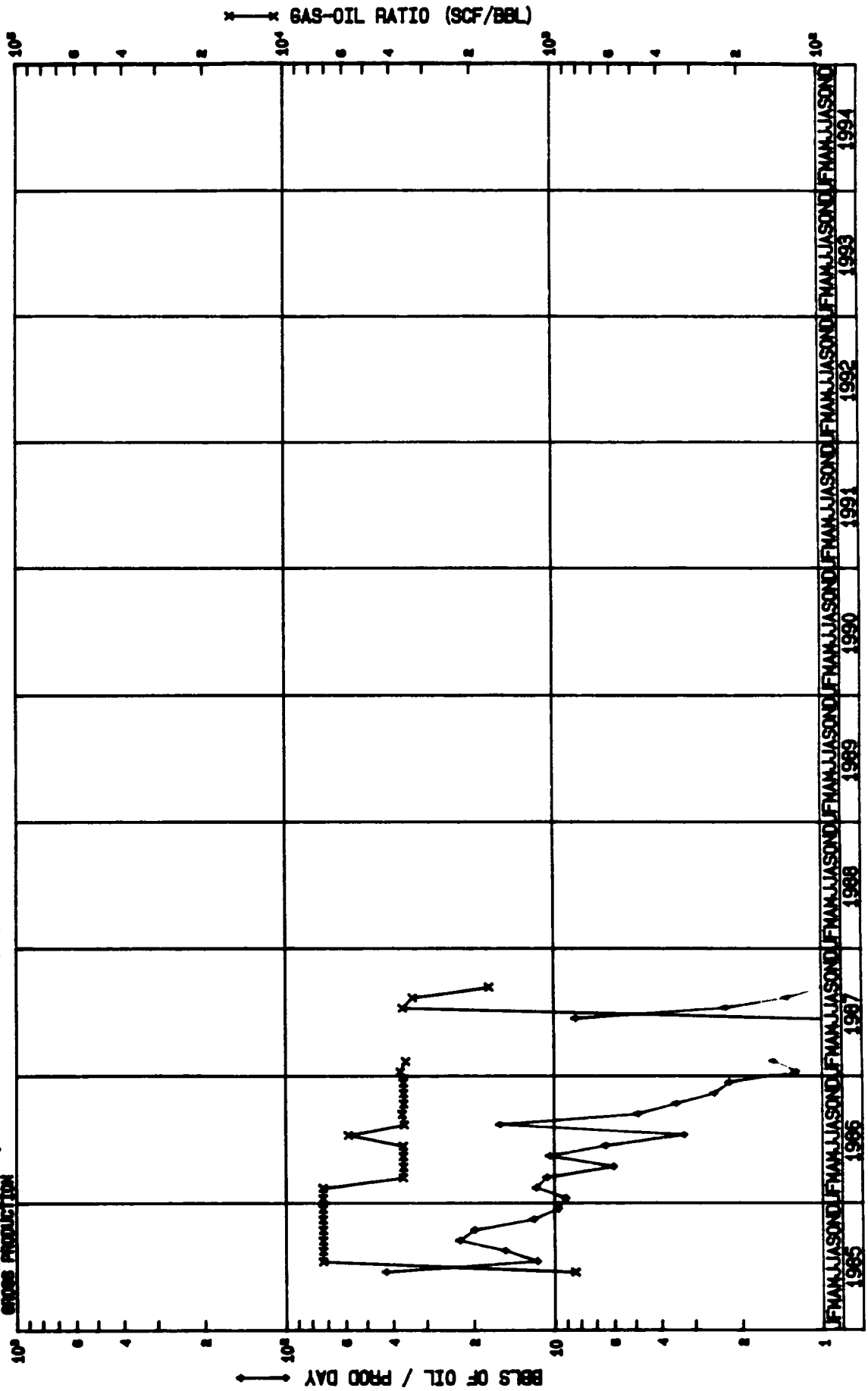


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, GREENER GRASS #1 (NW/SE(J) 10-24N-2W) GREEN1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
5	1986		286.0	858.	.858	94.0	282.	.282	.329	.0	0.	.000	.00	3.
6	1986		71.9	1509.	2.367	23.7	497.	.779	.329	.0	0.	.000	.00	21.
7	1986		62.7	1944.	4.311	20.6	640.	1.419	.329	.3	10.	.010	.01	31.
8	1986		80.3	2490.	6.801	26.4	819.	2.238	.329	.3	10.	.020	.00	31.
9	1986		94.1	2822.	9.623	31.0	929.	3.167	.329	.3	10.	.030	.00	30.
10	1986		68.1	2111.	11.734	22.4	694.	3.861	.329	.3	10.	.040	.00	31.
11	1986	OP	75.7	2272.	14.006	24.9	748.	4.609	.329	.3	10.	.050	.00	30.
12	1986	OP	95.0	2946.	16.952	31.3	969.	5.578	.329	.3	10.	.060	.00	31.
Sub 1986			81.5	16952.		26.8	5578.		.329	.3	60.		.00	208.
1	1987	OP	75.5	2339.	19.291	24.8	770.	6.348	.329	.3	10.	.070	.00	31.
2	1987	P	65.7	1510.	20.801	21.6	497.	6.845	.329	.3	7.	.077	.00	23.
3	1987	P	67.3	2018.	22.819	22.1	664.	7.509	.329	.3	10.	.087	.00	30.
4	1987	P	36.4	1093.	23.912	12.0	360.	7.869	.329	.3	10.	.097	.01	30.
5	1987	P	33.9	1052.	24.964	11.2	346.	8.215	.329	.2	5.	.102	.00	31.
6	1987	P	27.3	738.	25.702	18.7	506.	8.721	.686	.0	0.	.102	.00	27.
7	1987	P	27.8	250.	25.952	20.8	187.	8.908	.748	.0	0.	.102	.00	9.
8	1987	P	.0	0.	25.952	.0	0.	8.908	.000	.0	0.	.102	.00	0.
9	1987	P	.0	0.	25.952	.0	0.	8.908	.000	.0	0.	.102	.00	0.
10	1987	P	.0	0.	25.952	.0	0.	8.908	.000	.0	0.	.102	.00	0.
Sub 1987			49.7	9000.		18.4	3330.		.370	.2	42.		.00	181.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, BOYT & LOLA #1 (NE/SE (1) 11-24N-2W) BOLO1.MAL  
 CROSS PRODUCTION

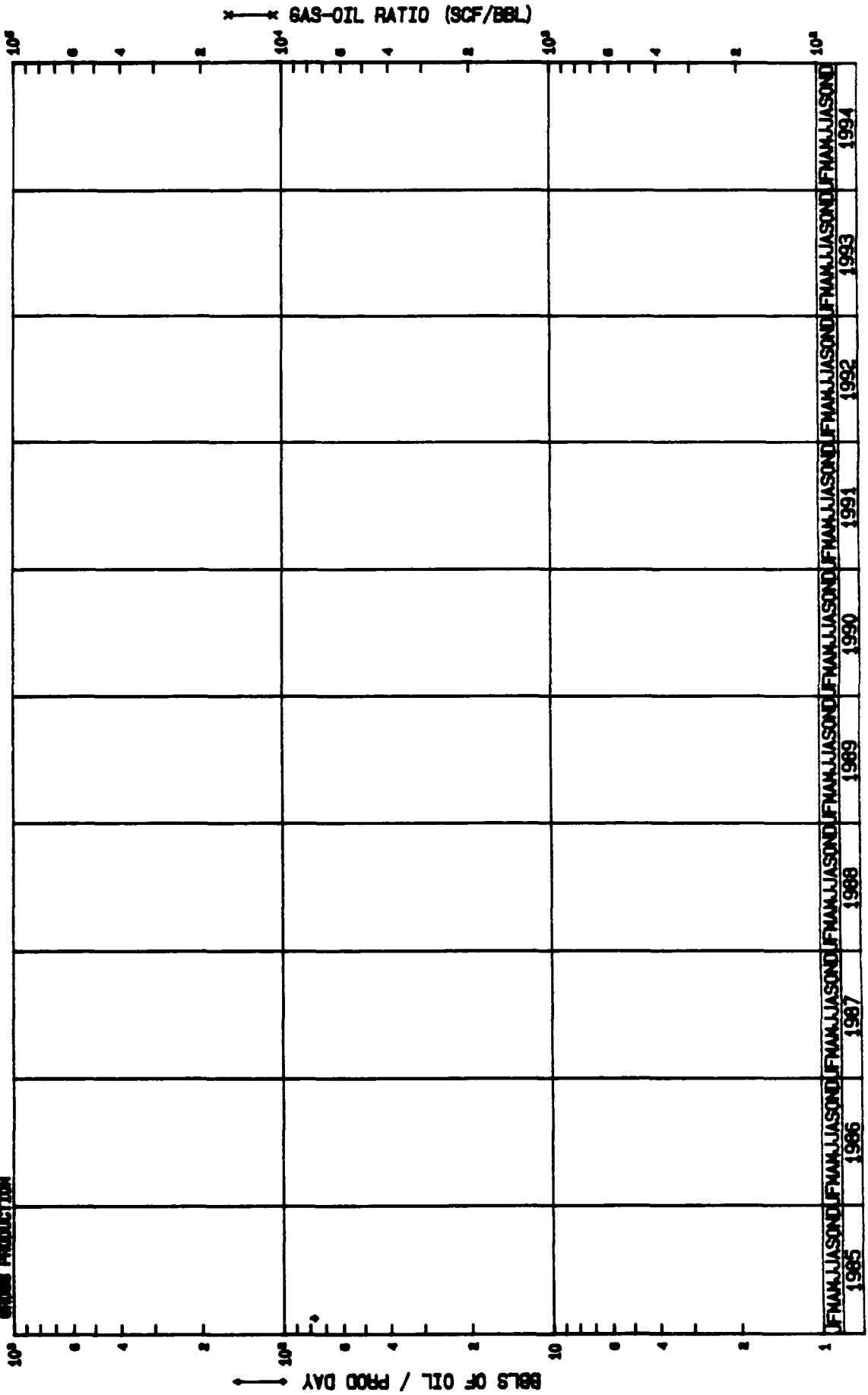


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, BOYT & LOLA #1 (NE/SE(I) 11-24N-2W) BOLO1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
6	1985		42.6	298.	.298	35.4	248.	.248	.832	.0	0.	.000	.00	7.
7	1985		11.6	361.	.659	84.2	2611.	2.859	7.233	.6	20.	.020	.06	31.
8	1985		15.3	475.	1.134	110.8	3436.	6.295	7.234	.5	15.	.035	.03	31.
9	1985		22.6	679.	1.813	163.7	4912.	11.207	7.234	.3	10.	.045	.01	30.
10	1985		19.9	617.	2.430	144.0	4463.	15.670	7.233	.3	10.	.055	.02	31.
11	1985		12.0	348.	2.778	86.8	2517.	18.187	7.233	.2	5.	.060	.01	29.
12	1985		9.7	262.	3.040	70.2	1895.	20.082	7.233	.3	8.	.068	.03	27.
Sub 1985			16.3	3040.		108.0	20082.		6.606	.4	68.		.02	186.
1	1986		9.1	282.	3.322	65.8	2040.	22.122	7.234	.3	10.	.078	.04	31.
2	1986		11.7	328.	3.650	84.8	2373.	24.495	7.235	.4	10.	.088	.03	28.
3	1986		10.7	331.	3.981	38.9	1205.	25.700	3.640	.3	10.	.098	.03	31.
4	1986		6.0	181.	4.162	21.9	656.	26.356	3.624	.1	3.	.101	.02	30.
5	1986		10.4	292.	4.454	37.9	1061.	27.417	3.634	.3	8.	.109	.03	28.
6	1986		6.5	194.	4.648	23.5	704.	28.121	3.629	.3	8.	.117	.04	30.
7	1986		3.3	79.	4.727	19.1	459.	28.580	5.810	.2	5.	.122	.06	24.
8	1986		16.0	32.	4.759	57.5	115.	28.695	3.594	.0	0.	.122	.00	2.
9	1986		4.9	44.	4.803	17.9	161.	28.856	3.659	.0	0.	.122	.00	9.
10	1986		3.5	109.	4.912	12.7	394.	29.250	3.615	.0	0.	.122	.00	31.
11	1986	OP	2.5	76.	4.988	9.2	275.	29.525	3.618	.1	3.	.125	.04	30.
12	1986	OP	2.2	69.	5.057	8.1	250.	29.775	3.623	.1	3.	.128	.04	31.
Sub 1986			6.6	2017.		31.8	9693.		4.806	.2	60.		.03	305.
1	1987	OP	1.3	35.	5.092	4.6	130.	29.905	3.714	.1	2.	.130	.06	28.
2	1987	P	1.5	35.	5.127	5.4	124.	30.029	3.543	.1	2.	.132	.06	23.
3	1987	SI	.0	0.	5.127	.0	0.	30.029	.000	.0	0.	.132	.00	0.
4	1987	SI	.0	0.	5.127	.0	0.	30.029	.000	.0	0.	.132	.00	0.
5	1987	SI	.0	0.	5.127	.0	0.	30.029	.000	.0	0.	.132	.00	0.
6	1987	P	8.3	25.	5.152	.7	2.	30.031	.080	.0	0.	.132	.00	3.
7	1987	F	2.3	71.	5.223	8.3	258.	30.289	3.634	.0	0.	.132	.00	31.
8	1987	P	1.4	42.	5.265	4.5	140.	30.429	3.333	.0	0.	.132	.00	31.
9	1987	P	.9	11.	5.276	1.6	19.	30.448	1.727	.0	0.	.132	.00	12.
10	1987	P	.0	0.	5.276	.0	0.	30.448	.000	.0	0.	.132	.00	0.
Sub 1987			1.7	219.		5.3	673.		3.073	.0	4.		.02	128.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 AMOCO, OSO CANYON FED. B-1 (SE/NW (F) 11-24N-2W) OS0CB1.MAL  
 GROSS PRODUCTION



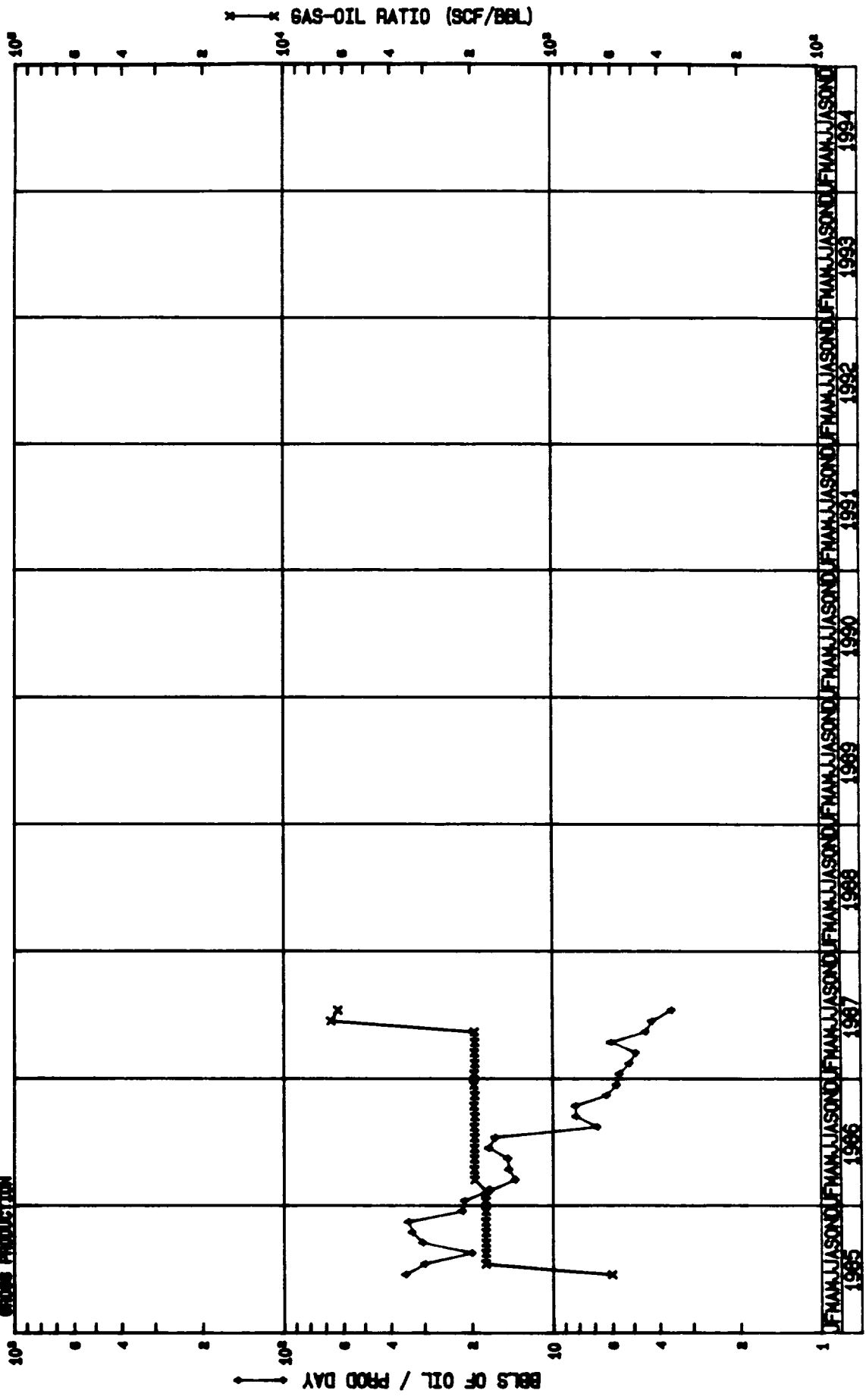
GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 AMOCO, OSO CANYON FED. B-1 (SE/NW(F) 11-24N-2W) OSOCB1.MAL

Mo	Year	Stat	OIL/COND			GAS			WATER			Days Prod		
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls		Cum MB	WOR B/B
2	1985		77.4	2167.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	28.
3	1985	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
4	1985	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
5	1985	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
6	1985	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
7	1985	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
8	1985	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
9	1985	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
10	1985	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
11	1985	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
12	1985	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
Sub 1985			77.4	2167.		.0	0.	.000	.000	.0	0.	.000	.00	28.
1	1986	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
2	1986	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
3	1986	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
4	1986	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
5	1986	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
6	1986	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
7	1986	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
8	1986	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
9	1986	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
10	1986	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
11	1986	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
12	1986	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
Sub 1986			.0	0.		.0	0.	.000	.000	.0	0.	.000	.00	0.
1	1987	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
2	1987	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
3	1987	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
4	1987	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
5	1987	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
6	1987	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
7	1987		.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
8	1987	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
9	1987		.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
10	1987	SI	.0	0.	2.167	.0	0.	.000	.000	.0	0.	.000	.00	0.
Sub 1987			.0	0.		.0	0.	.000	.000	.0	0.	.000	.00	0.

\* Per Producing Day



GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, BOYT & LOLA #2 (NW/4N (D) 12-24N-2M) B0L02.MAL  
 GROSS PRODUCTION

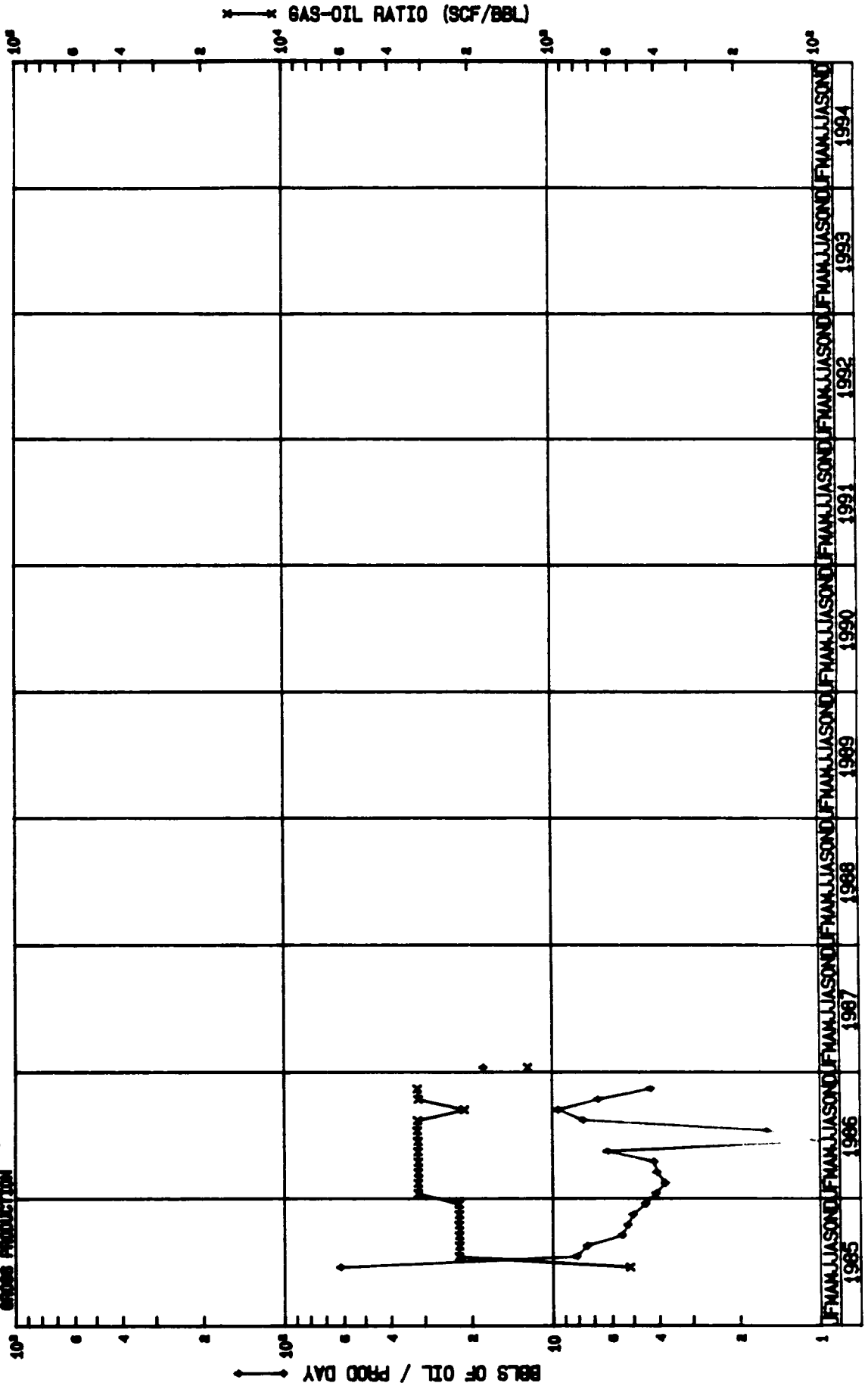


GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
 SUN EXPLORATION, BOYT & LOLA #2 (NW/NW(D) 12-24N-2W) BOLO2.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER			Days Prod	
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB		WOR B/B
6	1985		35.3	424.	.424	21.2	254.	.254	.599	.0	0.	.000	.00	12.
7	1985		30.0	931.	1.355	53.1	1647.	1.901	1.769	.0	0.	.000	.00	0.
8	1985		20.1	622.	1.977	35.5	1100.	3.001	1.768	.6	20.	.020	.03	31.
9	1985		30.5	916.	2.893	54.0	1620.	4.621	1.769	.7	20.	.040	.02	30.
10	1985		33.4	1035.	3.928	59.0	1830.	6.451	1.768	.6	20.	.060	.02	31.
11	1985		34.5	828.	4.756	61.0	1465.	7.916	1.769	.7	16.	.076	.02	24.
12	1985		21.7	587.	5.343	38.4	1038.	8.954	1.768	.5	13.	.089	.02	27.
Sub 1985			34.5	5343.		57.8	8954.		1.676	.6	89.		.02	155.
1	1986		21.4	620.	5.963	37.8	1097.	10.051	1.769	.5	15.	.104	.02	29.
2	1986		17.1	480.	6.443	30.3	849.	10.900	1.769	.5	15.	.119	.03	28.
3	1986		13.8	428.	6.871	26.8	832.	11.732	1.944	.5	15.	.134	.04	31.
4	1986		14.6	438.	7.309	28.4	853.	12.585	1.947	.5	15.	.149	.03	30.
5	1986		14.7	456.	7.765	28.6	887.	13.472	1.945	.5	15.	.164	.03	31.
6	1986		17.3	519.	8.284	33.7	1010.	14.482	1.946	.5	15.	.179	.03	30.
7	1986		16.4	509.	8.793	31.9	989.	15.471	1.943	.5	15.	.194	.03	31.
8	1986		6.8	212.	9.005	13.3	413.	15.884	1.948	.2	5.	.199	.02	31.
9	1986		8.2	246.	9.251	15.9	477.	16.361	1.939	.2	5.	.204	.02	30.
10	1986		8.2	255.	9.506	16.1	498.	16.859	1.953	1.0	31.	.235	.12	31.
11	1986	OP	6.3	189.	9.695	12.2	367.	17.226	1.942	.2	5.	.240	.03	30.
12	1986	OP	5.8	179.	9.874	11.3	350.	17.576	1.955	.2	5.	.245	.03	31.
Sub 1986			12.5	4531.		23.8	8622.		1.903	.4	156.		.03	363.
1	1987	OP	5.6	175.	10.049	11.0	341.	17.917	1.949	.2	5.	.250	.03	31.
2	1987	P	5.2	145.	10.194	10.0	281.	18.198	1.938	.2	5.	.255	.03	28.
3	1987	P	4.9	142.	10.336	9.5	276.	18.474	1.944	.3	10.	.265	.07	29.
4	1987	P	6.1	176.	10.512	11.8	341.	18.815	1.938	.4	12.	.277	.07	29.
5	1987	P	4.5	126.	10.638	8.8	245.	19.060	1.944	.4	10.	.287	.08	28.
6	1987	P	4.3	115.	10.753	28.3	763.	19.823	6.635	.0	0.	.287	.00	27.
7	1987	P	3.6	36.	10.789	22.5	225.	20.048	6.250	.0	0.	.287	.00	10.
8	1987	P	.0	0.	10.789	.0	0.	20.048	.000	.0	0.	.287	.00	0.
9	1987	P	.0	0.	10.789	.0	0.	20.048	.000	.0	0.	.287	.00	0.
10	1987	P	.0	0.	10.789	.0	0.	20.048	.000	.0	0.	.287	.00	0.
Sub 1987			5.0	915.		13.6	2472.		2.702	.2	42.		.05	182.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA CO., NM  
 SUN EXPLORATION TWILIGHT ZONE #1, (NW/SE (J) 12-24N-2W) TZONE1.MAL  
 GROSS PRODUCTION

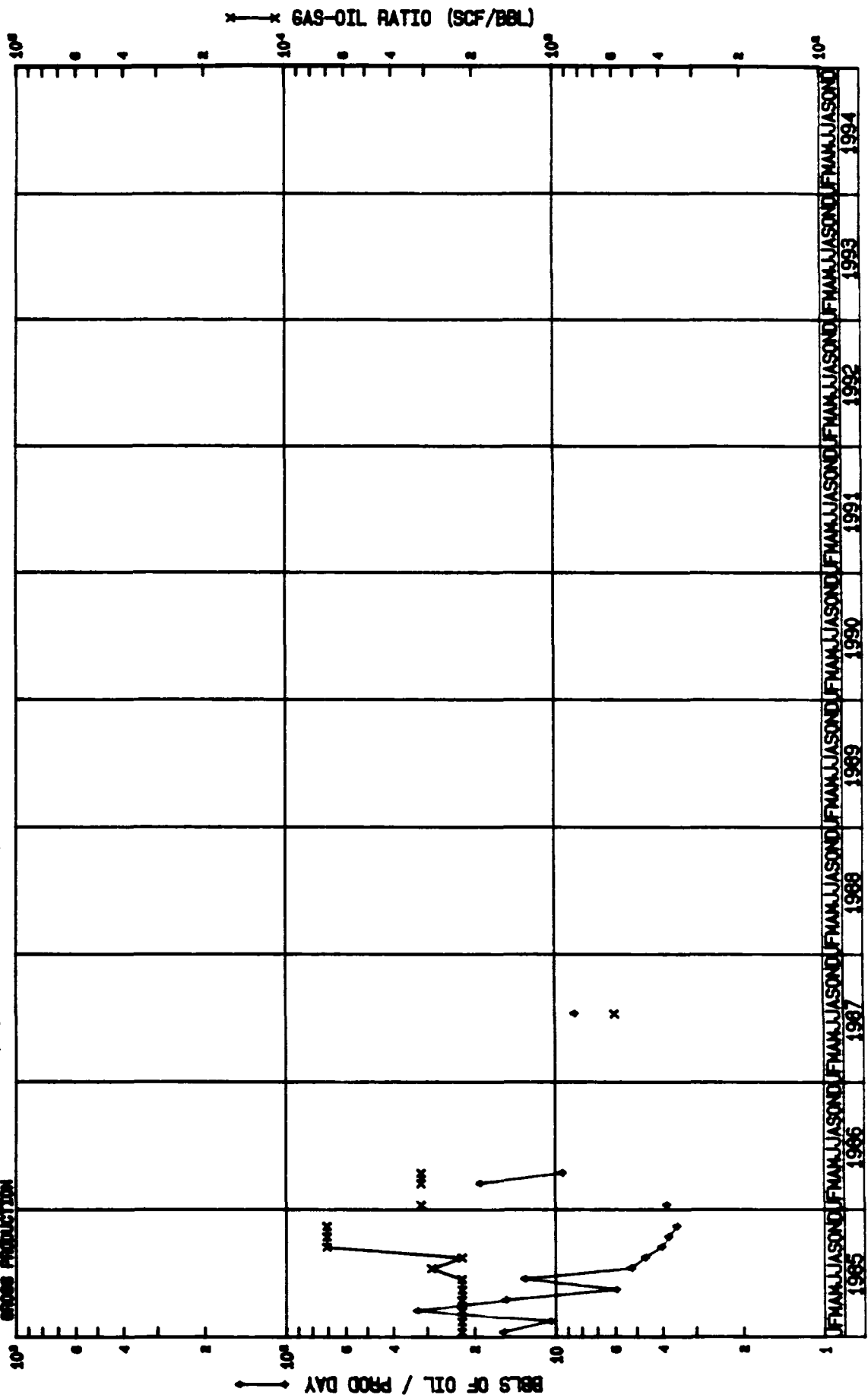


GAVILAN MANCOS FIELD, RIO ARRIBA CO, NM  
 SUN EXPLORATION, TWILIGHT ZONE #1, (NW/SE(J) 12-24N-2W) TZONE1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
6	1985		61.8	247.	.247	31.5	126.	.126	.510	.0	0.	.000	.00	4.
7	1985		8.1	252.	.499	18.0	558.	.684	2.214	.3	10.	.010	.04	31.
8	1985		7.4	178.	.677	16.4	394.	1.078	2.213	.2	5.	.015	.03	24.
9	1985		5.5	165.	.842	12.2	365.	1.443	2.212	.2	5.	.020	.03	30.
10	1985		5.2	162.	1.004	11.6	359.	1.802	2.216	.2	5.	.025	.03	31.
11	1985		5.0	150.	1.154	11.1	332.	2.134	2.213	.2	5.	.030	.03	30.
12	1985		4.5	139.	1.293	9.9	308.	2.442	2.216	.1	4.	.034	.03	31.
Sub 1985			7.1	1293.		13.5	2442.		1.889	.2	34.		.03	181.
1	1986		4.1	127.	1.420	12.9	399.	2.841	3.142	.1	4.	.038	.03	31.
2	1986		3.8	106.	1.526	11.9	333.	3.174	3.142	.1	4.	.042	.04	28.
3	1986		4.1	126.	1.652	12.7	395.	3.569	3.135	.1	4.	.046	.03	31.
4	1986		4.2	125.	1.777	13.1	392.	3.961	3.136	.1	4.	.050	.03	30.
5	1986		6.2	193.	1.970	19.6	607.	4.568	3.145	.1	4.	.054	.02	31.
6	1986		.9	28.	1.998	2.9	88.	4.656	3.143	.1	2.	.056	.07	30.
7	1986		1.6	19.	2.017	5.0	60.	4.716	3.158	.2	2.	.058	.11	12.
8	1986		7.7	46.	2.063	24.2	145.	4.861	3.152	.0	0.	.058	.00	6.
9	1986		9.5	19.	2.082	20.0	40.	4.901	2.105	.0	0.	.058	.00	2.
10	1986		6.7	47.	2.129	21.0	147.	5.048	3.128	.0	0.	.058	.00	7.
11	1986	OP	4.3	60.	2.189	13.5	189.	5.237	3.150	.0	0.	.058	.00	14.
12	1986	OP	.0	0.	2.189	.0	0.	5.237	.000	.0	0.	.058	.00	0.
Sub 1986			4.0	896.		12.6	2795.		3.119	.1	24.		.03	222.
1	1987	OP	18.0	18.	2.207	22.0	22.	5.259	1.222	.0	0.	.058	.00	1.
2	1987	SI	.0	0.	2.207	.0	0.	5.259	.000	.0	0.	.058	.00	0.
3	1987	SI	.0	0.	2.207	.0	0.	5.259	.000	.0	0.	.058	.00	0.
4	1987	SI	.0	0.	2.207	.0	0.	5.259	.000	.0	0.	.058	.00	0.
5	1987	SI	.0	0.	2.207	.0	0.	5.259	.000	.0	0.	.058	.00	0.
6	1987	P	.0	0.	2.207	.0	0.	5.259	.000	.0	0.	.058	.00	0.
7	1987	P	.0	0.	2.207	.0	0.	5.259	.000	.0	0.	.058	.00	0.
8	1987	P	.0	0.	2.207	.0	0.	5.259	.000	.0	0.	.058	.00	0.
9	1987	P	.0	0.	2.207	.0	0.	5.259	.000	.0	0.	.058	.00	0.
10	1987	P	.0	0.	2.207	.0	0.	5.259	.000	.0	0.	.058	.00	0.
Sub 1987			18.0	18.		22.0	22.		1.222	.0	0.		.00	1.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MERRILL, OSO CANYON C-1 (SE/NE 1/4) 13-24N-24W OSOCC1  
 OIL & GAS PRODUCTION

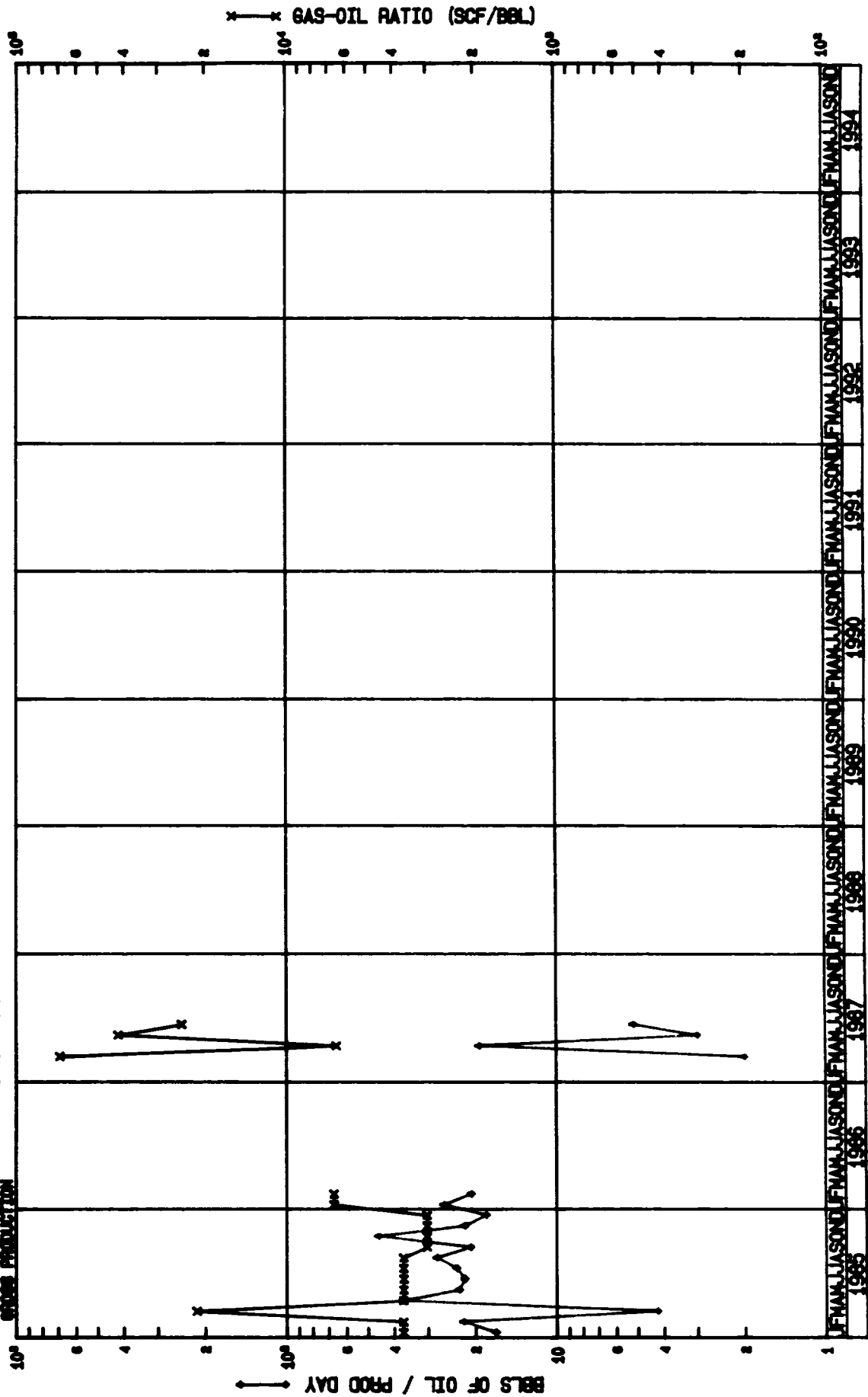


GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
MERRION, OSO CANYON C-1 (SE/NW(F) 13-24N-2W) OSOCC1

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
1	1985		15.6	312.	.312	34.5	690.	.690	2.212	.0	0.	.000	.00	20.
2	1985		10.4	188.	.500	23.1	416.	1.106	2.213	.0	0.	.000	.00	18.
3	1985		32.6	163.	.663	72.0	360.	1.466	2.209	.0	0.	.000	.00	5.
4	1985		15.3	383.	1.046	33.9	847.	2.313	2.211	5.0	125.	.125	.33	25.
5	1985		6.0	149.	1.195	13.2	329.	2.642	2.208	.5	13.	.138	.09	25.
6	1985		13.0	260.	1.455	28.8	575.	3.217	2.212	.0	0.	.138	.00	20.
7	1985		5.2	162.	1.617	15.0	464.	3.681	2.864	.0	0.	.138	.00	31.
8	1985		4.6	130.	1.747	10.3	287.	3.968	2.208	.0	0.	.138	.00	28.
9	1985		4.0	121.	1.868	28.2	847.	4.815	7.000	.0	0.	.138	.00	30.
10	1985		3.8	110.	1.978	26.6	770.	5.585	7.000	.0	0.	.138	.00	29.
11	1985		3.5	85.	2.063	24.8	595.	6.180	7.000	.0	0.	.138	.00	24.
12	1985	SI	.0	0.	2.063	.0	0.	6.180	.000	.0	0.	.138	.00	0.
Sub	1985		8.1	2063.		24.2	6180.		2.996	.5	138.		.07	255.
1	1986		3.9	108.	2.171	12.1	338.	6.518	3.130	.0	0.	.138	.00	28.
2	1986	SI	.1	2.	2.173	.0	0.	6.518	.000	.0	0.	.138	.00	0.
3	1986		19.0	95.	2.268	59.4	297.	6.815	3.126	.0	0.	.138	.00	5.
4	1986		9.4	122.	2.390	29.3	381.	7.196	3.123	.0	0.	.138	.00	13.
5	1986	SI	.0	0.	2.390	.0	0.	7.196	.000	.0	0.	.138	.00	0.
6	1986		.0	0.	2.390	.0	0.	7.196	.000	.0	0.	.138	.00	0.
7	1986		.0	0.	2.390	.0	0.	7.196	.000	.0	0.	.138	.00	0.
8	1986		.0	0.	2.390	.0	0.	7.196	.000	.0	0.	.138	.00	0.
9	1986		.0	0.	2.390	.0	0.	7.196	.000	.0	0.	.138	.00	0.
10	1986		.0	0.	2.390	.0	0.	7.196	.000	.0	0.	.138	.00	0.
11	1986	SI	.0	0.	2.390	.0	0.	7.196	.000	.0	0.	.138	.00	0.
12	1986	SI	.0	0.	2.390	.0	0.	7.196	.000	.0	0.	.138	.00	0.
Sub	1986		7.1	327.		22.1	1016.		3.107	.0	0.		.00	46.
1	1987	SI	.0	0.	2.390	.0	0.	7.196	.000	.0	0.	.138	.00	0.
2	1987	SI	.0	0.	2.390	.0	0.	7.196	.000	.0	0.	.138	.00	0.
3	1987	SI	.0	0.	2.390	.0	0.	7.196	.000	.0	0.	.138	.00	0.
4	1987	SI	.0	0.	2.390	.0	0.	7.196	.000	.0	0.	.138	.00	0.
5	1987	SI	.0	0.	2.390	.0	0.	7.196	.000	.0	0.	.138	.00	0.
6	1987	SI	.0	0.	2.390	.0	0.	7.196	.000	.0	0.	.138	.00	0.
7	1987	P	8.4	59.	2.449	5.0	35.	7.231	.593	.0	0.	.138	.00	7.
8	1987	SI	.0	0.	2.449	.0	0.	7.231	.000	.0	0.	.138	.00	0.
9	1987	SI	.0	0.	2.449	.0	0.	7.231	.000	.0	0.	.138	.00	0.
10	1987	SI	.0	0.	2.449	.0	0.	7.231	.000	.0	0.	.138	.00	0.
Sub	1987		8.4	59.		5.0	35.		.593	.0	0.		.00	7.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 NEPTON KRISTINA #1 (NE/SW (K) 14-24N-25W) KRIST1.MAL  
 OIL PRODUCTION



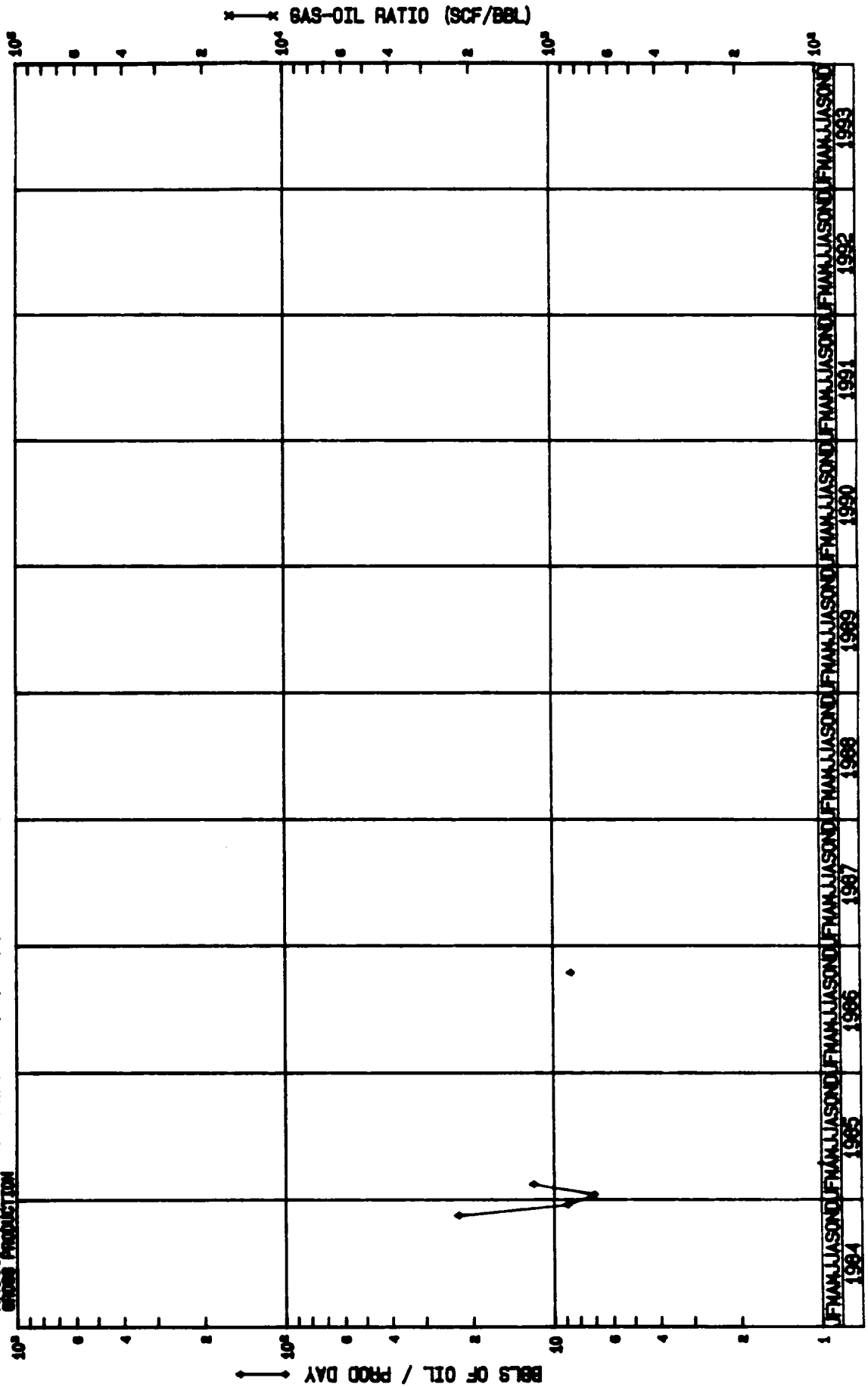
GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
MERRION, KRISTINA #1 (NE/SW(K) 14-24N-2W) KRYS1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
1	1985		16.8	420.	.420	61.8	1544.	1.544	3.676	.0	0.	.000	.00	25.
2	1985		22.2	333.	.753	81.6	1224.	2.768	3.676	.0	0.	.000	.00	15.
3	1985		4.2	72.	.825	90.4	1537.	4.305	21.347	.0	0.	.000	.00	17.
4	1985		36.8	847.	1.672	135.4	3114.	7.419	3.677	1.4	33.	.033	.04	23.
5	1985		23.0	253.	1.925	84.4	928.	8.347	3.668	.0	0.	.033	.00	11.
6	1985		21.9	263.	2.188	80.3	964.	9.311	3.665	.0	0.	.033	.00	12.
7	1985		23.5	235.	2.423	86.2	862.	10.173	3.668	.0	0.	.033	.00	10.
8	1985		27.8	250.	2.673	101.9	917.	11.090	3.668	.0	0.	.033	.00	9.
9	1985		20.8	125.	2.798	62.5	375.	11.465	3.000	.0	0.	.033	.00	6.
10	1985		45.7	137.	2.935	137.0	411.	11.876	3.000	.0	0.	.033	.00	3.
11	1985		21.9	613.	3.548	65.7	1839.	13.715	3.000	.0	0.	.033	.00	28.
12	1985		18.2	565.	4.113	54.7	1695.	15.410	3.000	.0	0.	.033	.00	31.
Sub	1985		21.6	4113.		81.1	15410.		3.747	.2	33.		.01	190.
1	1986		26.2	314.	4.427	173.8	2085.	17.495	6.640	.0	0.	.033	.00	12.
2	1986		20.7	517.	4.944	137.3	3433.	20.928	6.640	.0	0.	.033	.00	25.
3	1986	SI	.0	0.	4.944	.0	0.	20.928	.000	.0	0.	.033	.00	0.
4	1986	SI	.0	0.	4.944	.0	0.	20.928	.000	.0	0.	.033	.00	0.
5	1986	SI	.0	0.	4.944	.0	0.	20.928	.000	.0	0.	.033	.00	0.
6	1986		.0	0.	4.944	.0	0.	20.928	.000	.0	0.	.033	.00	0.
7	1986		.0	0.	4.944	.0	0.	20.928	.000	.0	0.	.033	.00	0.
8	1986		.0	0.	4.944	.0	0.	20.928	.000	.0	0.	.033	.00	0.
9	1986		.0	0.	4.944	.0	0.	20.928	.000	.0	0.	.033	.00	0.
10	1986		.0	0.	4.944	.0	0.	20.928	.000	.0	0.	.033	.00	0.
11	1986	SI	.0	0.	4.944	.0	0.	20.928	.000	.0	0.	.033	.00	0.
12	1986	SI	.0	0.	4.944	.0	0.	20.928	.000	.0	0.	.033	.00	0.
Sub	1986		22.5	831.		149.1	5518.		6.640	.0	0.		.00	37.
1	1987	SI	.0	0.	4.944	.0	0.	20.928	.000	.0	0.	.033	.00	0.
2	1987	SI	.0	0.	4.944	.0	0.	20.928	.000	.0	0.	.033	.00	0.
3	1987	P	2.0	4.	4.948	137.0	274.	21.202	68.500	.0	0.	.033	.00	2.
4	1987	P	19.3	135.	5.083	125.0	875.	22.077	6.481	.0	0.	.033	.00	7.
5	1987	P	3.0	6.	5.089	125.0	250.	22.327	41.667	.0	0.	.033	.00	2.
6	1987	P	5.2	31.	5.120	125.0	750.	23.077	24.194	.0	0.	.033	.00	6.
7	1987	P	.0	0.	5.120	.0	0.	23.077	.000	.0	0.	.033	.00	0.
8	1987	SI	.0	0.	5.120	.0	0.	23.077	.000	.0	0.	.033	.00	0.
9	1987	SI	.0	0.	5.120	.0	0.	23.077	.000	.0	0.	.033	.00	0.
10	1987	SI	.0	0.	5.120	.0	0.	23.077	.000	.0	0.	.033	.00	0.
Sub	1987		10.4	176.		126.4	2149.		12.210	.0	0.		.00	17.

\* Per Producing Day



GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 AMOCO, OSO CANYON FED. #1 (SM/NM (E) 24-24N-2W) OSOCF1.MAL  
 GROSS PRODUCTION

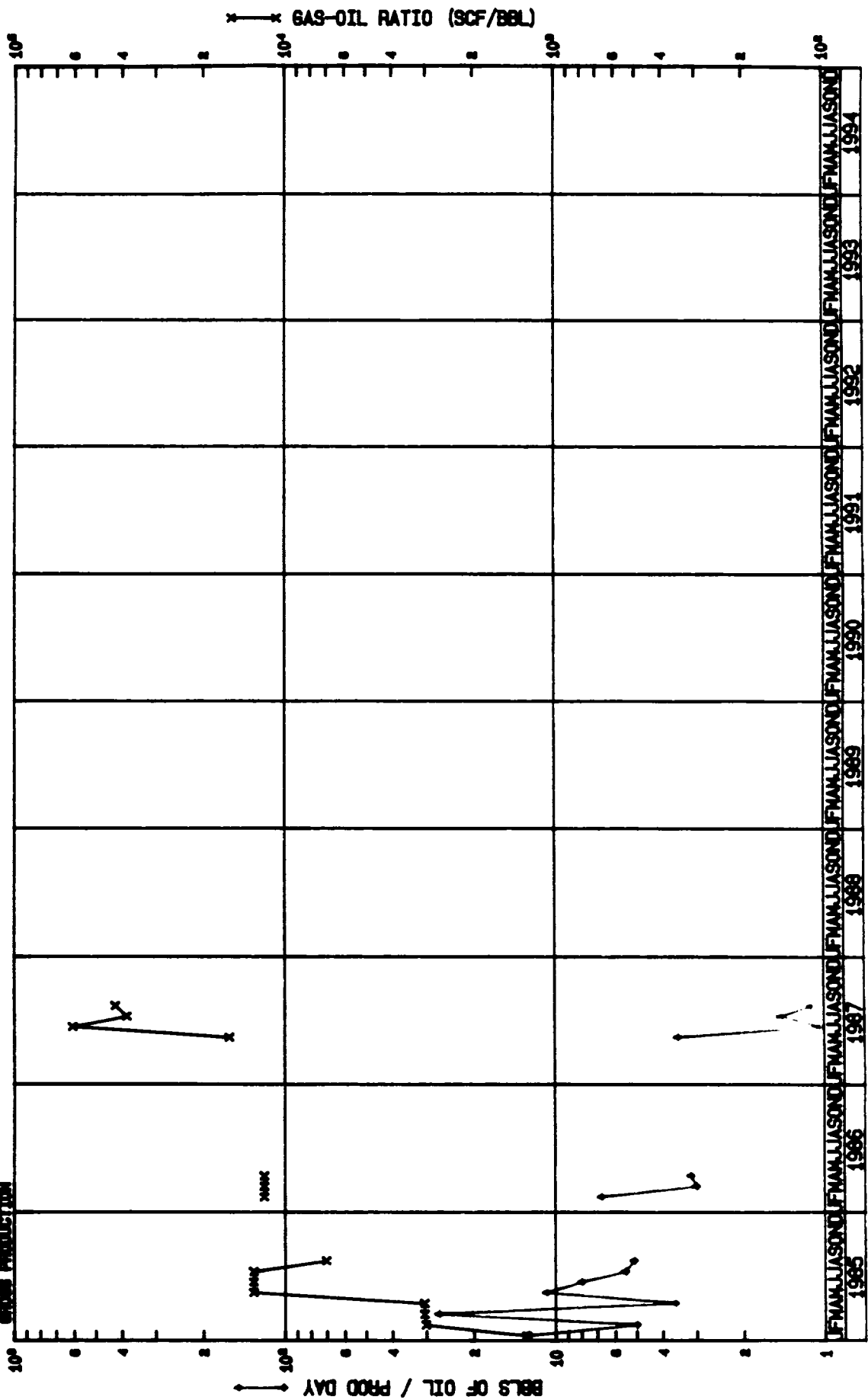


GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
 AMOCO, OSO CANYON FED. #1 (SW/NW(E) 24-24N-2W) OSOCF1.MAL

Mo	Year	Stat	OIL/COND			GAS			WATER				Days Prod	
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB		WOR B/B
11	1984		22.7	680.	.680	.0	0.	.000	.000	.0	0.	.000	.00	30.
12	1984		8.9	275.	.955	.0	0.	.000	.000	.0	0.	.000	.00	31.
Sub 1984			15.7	955.		.0	0.		.000	.0	0.		.00	61.
1	1985		7.1	219.	1.174	.0	0.	.000	.000	3.2	100.	.100	.46	31.
2	1985		11.9	333.	1.507	.0	0.	.000	.000	.0	0.	.100	.00	28.
3	1985	SI	.0	0.	1.507	.0	0.	.000	.000	.0	0.	.100	.00	0.
4	1985		1.0	1.	1.508	.0	0.	.000	.000	.0	0.	.100	.00	1.
5	1985	SI	.0	0.	1.508	.0	0.	.000	.000	.0	0.	.100	.00	0.
6	1985	SI	.0	0.	1.508	.0	0.	.000	.000	.0	0.	.100	.00	0.
7	1985	SI	.0	0.	1.508	.0	0.	.000	.000	.0	0.	.100	.00	0.
8	1985	SI	.0	0.	1.508	.0	0.	.000	.000	.0	0.	.100	.00	0.
9	1985	SI	.0	0.	1.508	.0	0.	.000	.000	.0	0.	.100	.00	0.
10	1985	SI	.0	0.	1.508	.0	0.	.000	.000	.0	0.	.100	.00	0.
11	1985	SI	.0	0.	1.508	.0	0.	.000	.000	.0	0.	.100	.00	0.
12	1985	SI	.0	0.	1.508	.0	0.	.000	.000	.0	0.	.100	.00	0.
Sub 1985			9.2	553.		.0	0.		.000	1.7	100.		.18	60.
1	1986	SI	.0	0.	1.508	.0	0.	.000	.000	.0	0.	.100	.00	0.
2	1986	SI	.0	0.	1.508	.0	0.	.000	.000	.0	0.	.100	.00	0.
3	1986	SI	.0	0.	1.508	.0	0.	.000	.000	.0	0.	.100	.00	0.
4	1986	SI	.0	0.	1.508	.0	0.	.000	.000	.0	0.	.100	.00	0.
5	1986	SI	.0	0.	1.508	.0	0.	.000	.000	.0	0.	.100	.00	0.
6	1986		.0	0.	1.508	.0	0.	.000	.000	.0	0.	.100	.00	0.
7	1986		.0	0.	1.508	.0	0.	.000	.000	.0	0.	.100	.00	0.
8	1986		.0	0.	1.508	.0	0.	.000	.000	.0	0.	.100	.00	0.
9	1986		.0	0.	1.508	.0	0.	.000	.000	.0	0.	.100	.00	0.
10	1986		8.5	265.	1.773	.0	0.	.000	.000	.0	0.	.100	.00	0.
11	1986	SI	.0	0.	1.773	.0	0.	.000	.000	.0	0.	.100	.00	0.
12	1986	SI	.0	0.	1.773	.0	0.	.000	.000	.0	0.	.100	.00	0.
Sub 1986			.7	265.		.0	0.		.000	.0	0.		.00	0.
1	1987	SI	.0	0.	1.773	.0	0.	.000	.000	.0	0.	.100	.00	0.
2	1987	SI	.0	0.	1.773	.0	0.	.000	.000	.0	0.	.100	.00	0.
3	1987	SI	.0	0.	1.773	.0	0.	.000	.000	.0	0.	.100	.00	0.
4	1987	SI	.0	0.	1.773	.0	0.	.000	.000	.0	0.	.100	.00	0.
5	1987	SI	.0	0.	1.773	.0	0.	.000	.000	.0	0.	.100	.00	0.
6	1987	SI	.0	0.	1.773	.0	0.	.000	.000	.0	0.	.100	.00	0.
7	1987		.0	0.	1.773	.0	0.	.000	.000	.0	0.	.100	.00	0.
8	1987	SI	.0	0.	1.773	.0	0.	.000	.000	.0	0.	.100	.00	0.
Sub 1987			.0	0.		.0	0.		.000	.0	0.		.00	0.

\* Per Producing Day

GAYLHAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MERRION, ROCKY MTN. #1 (SE/SW 00 24-24N-2W) #KY011.MAL  
 OIL PRODUCTION

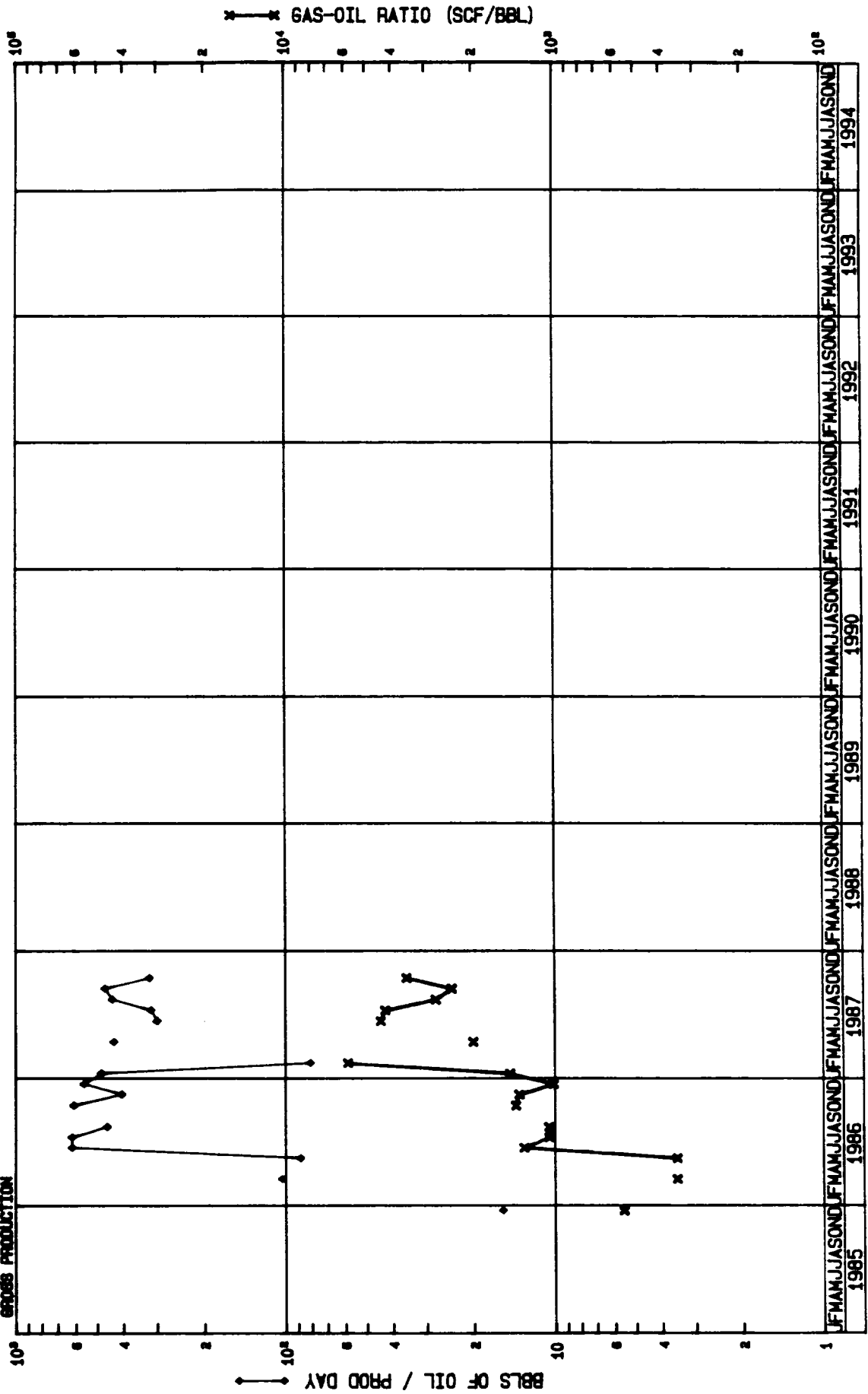


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
MERRION, ROCKY MTN. #1 (SE/SW(N) 24-24N-2W) RKYMT1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
1	1985		12.6	139.	.139	16.1	177.	.177	1.273	.0	0.	.000	.00	11.
2	1985		5.0	10.	.149	15.0	30.	.207	3.000	.0	0.	.000	.00	2.
3	1985		27.0	135.	.284	82.0	410.	.617	3.037	.0	0.	.000	.00	5.
4	1985		3.6	83.	.367	11.0	252.	.869	3.036	.0	0.	.000	.00	23.
5	1985		10.8	335.	.702	140.5	4355.	5.224	13.000	.0	0.	.000	.00	31.
6	1985		8.0	216.	.918	104.0	2808.	8.032	13.000	.0	0.	.000	.00	27.
7	1985		5.5	66.	.984	71.5	858.	8.890	13.000	.0	0.	.000	.00	12.
8	1985		5.1	143.	1.127	35.8	1001.	9.891	7.000	.0	0.	.000	.00	28.
9	1985	SI	.0	0.	1.127	.0	0.	9.891	.000	.0	0.	.000	.00	0.
10	1985	SI	.0	0.	1.127	.0	0.	9.891	.000	.0	0.	.000	.00	0.
11	1985	SI	.0	0.	1.127	.0	0.	9.891	.000	.0	0.	.000	.00	0.
12	1985	SI	.0	0.	1.127	.0	0.	9.891	.000	.0	0.	.000	.00	0.
Sub 1985			8.1	1127.		71.2	9891.		8.776	.0	0.		.00	139.
1	1986	SI	.0	0.	1.127	.0	0.	9.891	.000	.0	0.	.000	.00	0.
2	1986		6.8	81.	1.208	80.2	962.	10.853	11.877	.0	0.	.000	.00	12.
3	1986		3.0	75.	1.283	35.6	891.	11.744	11.880	.0	0.	.000	.00	25.
4	1986		3.1	66.	1.349	37.3	784.	12.528	11.879	.0	0.	.000	.00	21.
5	1986	SI	.0	0.	1.349	.0	0.	12.528	.000	.0	0.	.000	.00	0.
6	1986		.0	0.	1.349	.0	0.	12.528	.000	.0	0.	.000	.00	0.
7	1986		.0	0.	1.349	.0	0.	12.528	.000	.0	0.	.000	.00	0.
8	1986		.0	0.	1.349	.0	0.	12.528	.000	.0	0.	.000	.00	0.
9	1986		.0	0.	1.349	.0	0.	12.528	.000	.0	0.	.000	.00	0.
10	1986		.0	0.	1.349	.0	0.	12.528	.000	.0	0.	.000	.00	0.
11	1986	SI	.0	0.	1.349	.0	0.	12.528	.000	.0	0.	.000	.00	0.
12	1986	SI	.0	0.	1.349	.0	0.	12.528	.000	.0	0.	.000	.00	0.
Sub 1986			3.8	222.		45.5	2637.		11.878	.0	0.		.00	58.
1	1987	SI	.0	0.	1.349	.0	0.	12.528	.000	.0	0.	.000	.00	0.
2	1987	SI	.0	0.	1.349	.0	0.	12.528	.000	.0	0.	.000	.00	0.
3	1987	SI	.0	0.	1.349	.0	0.	12.528	.000	.0	0.	.000	.00	0.
4	1987	SI	.0	0.	1.349	.0	0.	12.528	.000	.0	0.	.000	.00	0.
5	1987	P	3.5	84.	1.433	55.8	1340.	13.868	15.952	.0	0.	.000	.00	24.
6	1987	P	1.0	26.	1.459	63.0	1575.	15.443	60.577	.0	0.	.000	.00	25.
7	1987	P	1.5	45.	1.504	55.5	1722.	17.165	38.267	.0	0.	.000	.00	31.
8	1987	P	1.1	28.	1.532	47.2	1179.	18.344	42.107	.0	0.	.000	.00	25.
Sub 1987			1.7	183.		55.4	5816.		31.781	.0	0.		.00	105.

\* Per Producing Day

PUERTO CHITQUITO MANCOS WEST, RIO ARRIBA COUNTY, NM  
 BMS, COMBINED PRODUCTION FOR COU 29 & COU 32 (E, J 6-25N-1W) COU2932.MAL  
 GROSS PRODUCTION

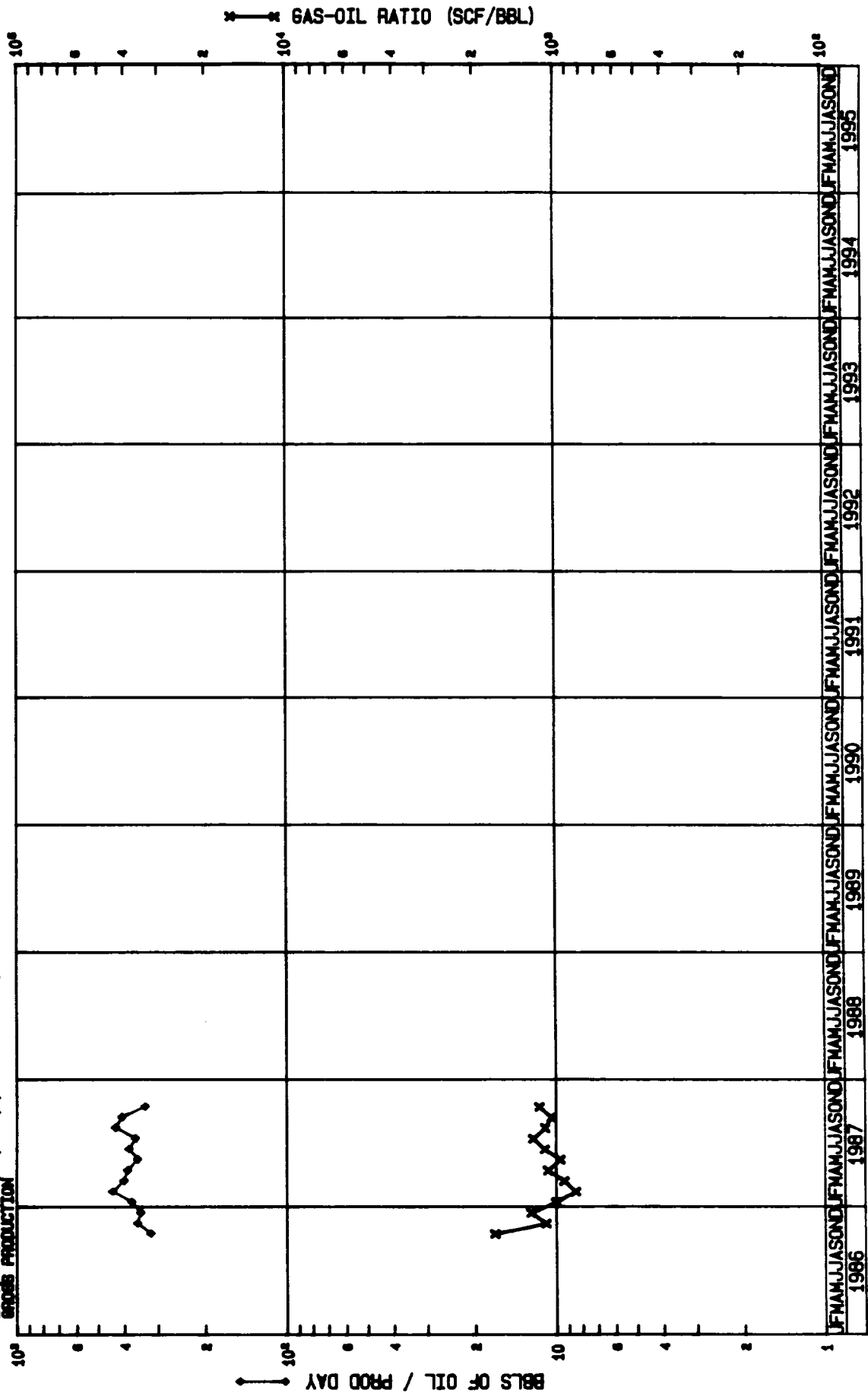


PUERTO CHIQUITO MANCOS WEST, RIO ARRIBA COUNTY, NM  
 BMG, COMBINED PRODUCTION FOR COU 29 & COU 32 (E,J 6-25N-1W) COU2932.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER			Days Prod	
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB		WOR B/B
12	1985		15.5	482.	.482	8.5	265.	.265	.550	.0	0.	.000	.00	31.
Sub 1985			15.5	482.		8.5	265.		.550	.0	0.		.00	31.
1	1986		.0	0.	.482	.0	0.	.265	.000	.0	0.	.000	.00	0.
2	1986		.0	0.	.482	.0	0.	.265	.000	.0	0.	.000	.00	0.
3	1986		102.5	3178.	3.660	35.7	1106.	1.371	.348	.0	0.	.000	.00	31.
4	1986		.0	0.	3.660	.0	0.	1.371	.000	.0	0.	.000	.00	0.
5	1986		87.6	2717.	6.377	30.5	946.	2.317	.348	.0	0.	.000	.00	31.
6	1986		615.9	18477.	24.854	794.5	23835.	26.152	1.290	.0	0.	.000	.00	30.
7	1986		617.1	19130.	43.984	641.8	19895.	46.047	1.040	.0	0.	.000	.00	31.
8	1986		457.0	14168.	58.152	477.1	14791.	60.838	1.044	.0	0.	.000	.00	31.
9	1986		.0	0.	58.152	.0	0.	60.838	.000	.0	0.	.000	.00	0.
10	1986		607.2	18823.	76.975	839.3	26018.	86.856	1.382	.0	0.	.000	.00	31.
11	1986		403.4	12103.	89.078	541.7	16250.	103.106	1.343	.0	0.	.000	.00	30.
12	1986		556.7	17257.	106.335	558.6	17317.	120.423	1.003	.0	0.	.000	.00	31.
Sub 1986			430.3	105853.		488.4	120158.		1.135	.0	0.		.00	246.
1	1987		479.6	14867.	121.202	696.2	21582.	142.005	1.452	.0	0.	.000	.00	31.
2	1987	P	80.5	1368.	122.570	467.1	7941.	149.946	5.805	.0	0.	.000	.00	17.
3	1987	SI	.0	0.	122.570	.0	0.	149.946	.000	.0	0.	.000	.00	0.
4	1987	P	430.0	1290.	123.860	853.3	2560.	152.506	1.984	.0	0.	.000	.00	3.
5	1987	SI	.0	0.	123.860	.0	0.	152.506	.000	.0	0.	.000	.00	0.
6	1987	GL	297.0	7128.	130.988	1299.6	31191.	183.697	4.376	.0	0.	.000	.00	24.
7	1987	GL	312.8	7820.	138.808	1317.0	32926.	216.623	4.210	.0	0.	.000	.00	25.
8	1987	GL	436.0	13081.	151.889	1191.4	35741.	252.364	2.732	.0	0.	.000	.00	30.
9	1987	GL	463.8	13915.	165.804	1103.5	33106.	285.470	2.379	.0	0.	.000	.00	30.
10	1987	GL	317.5	9842.	175.646	1113.6	34522.	319.992	3.508	.0	0.	.000	.00	31.
Sub 1987			362.9	69311.		1044.9	199569.		2.879	.0	0.		.00	191.

\* Per Producing Day

PUERTO CHICUITO MANCOS WEST, RIO ARRIBA COUNTY, N.M.  
 BMS, COU 30 (SE/NM (F) 30-25N-1W) COU30.MAL  
 Gross Production



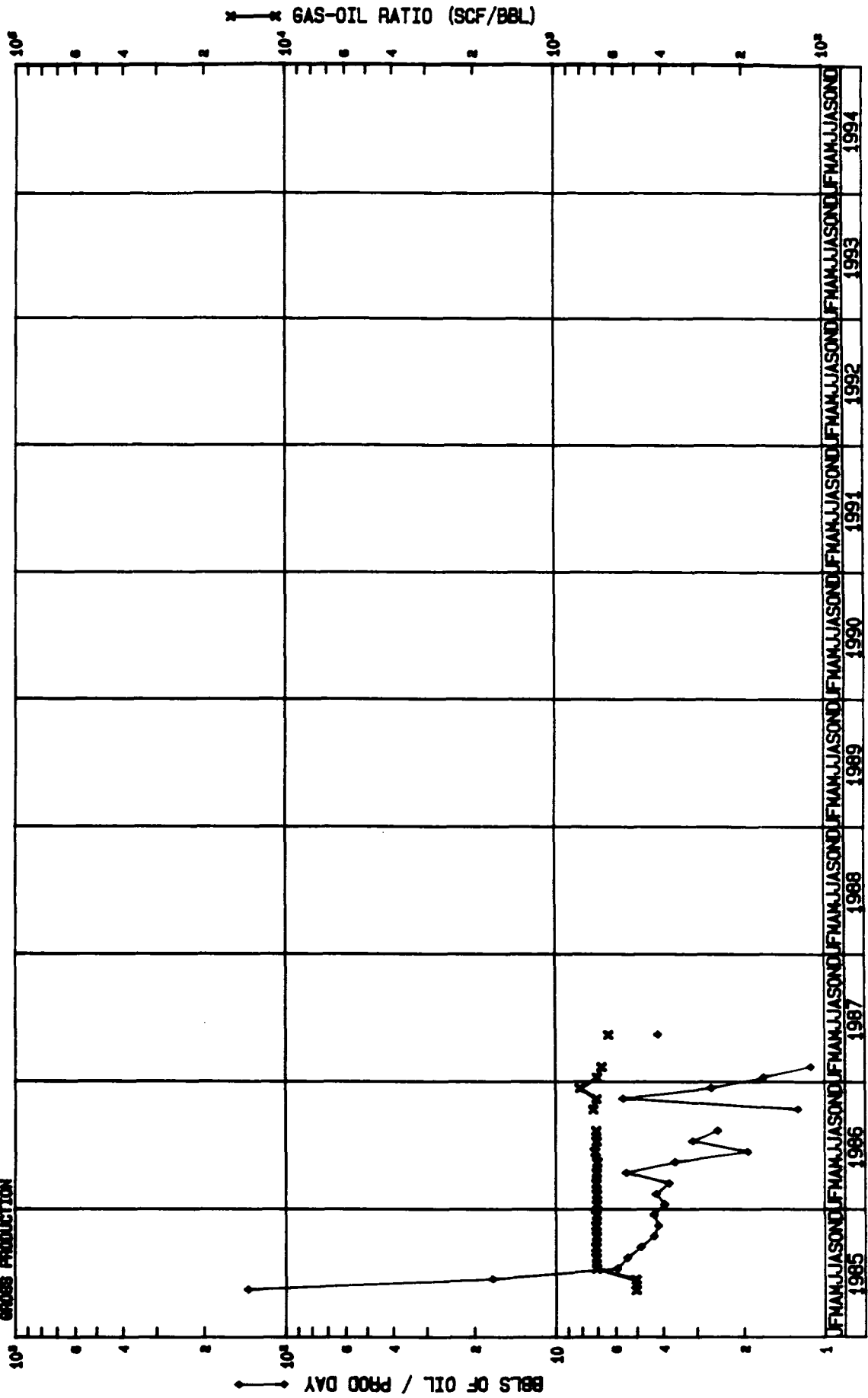
PUERTO CHIQUITO MANCOS WEST, RIO ARRIBA COUNTY, N.M.  
 BMG, COU 30 (SE/NW(F) 30-25N-1W) COU30.MAL

Mo	Year	Stat	OIL/COND			GAS			WATER				Days Prod	
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB		WOR B/B
9	1986		.0	0.	.000	.0	0.	.000	.000	.0	0.	.000	.00	0.
10	1986		317.7	9212.	9.212	530.5	15384.	15.384	1.670	.0	0.	.000	.00	29.
11	1986	GL	356.2	10330.	19.542	384.7	11156.	26.540	1.080	.0	0.	.000	.00	29.
12	1986	GL	346.8	6590.	26.132	426.0	8094.	34.634	1.228	.0	0.	.000	.00	19.
Sub 1986			339.4	26132.		449.8	34634.		1.325	.0	0.		.00	77.
1	1987	OP	374.0	10847.	36.979	371.0	10760.	45.394	.992	.0	0.	.000	.00	29.
2	1987	P	440.0	7480.	44.459	368.5	6265.	51.659	.838	.0	0.	.000	.00	17.
3	1987	P	399.8	11993.	56.452	368.9	11066.	62.725	.923	.0	0.	.000	.00	30.
4	1987	P	387.9	8534.	64.986	412.0	9063.	71.788	1.062	.0	0.	.000	.00	22.
5	1987	P	356.3	3207.	68.193	340.6	3065.	74.853	.956	.0	0.	.000	.00	9.
6	1987	GL	382.7	9951.	78.144	417.5	10856.	85.709	1.091	.0	0.	.000	.00	26.
7	1987	GL	362.7	10155.	88.299	436.9	12232.	97.941	1.205	.0	0.	.000	.00	28.
8	1987	GL	429.6	11599.	99.898	467.2	12614.	110.555	1.088	.0	0.	.000	.00	27.
9	1987	GL	406.8	12204.	112.102	418.5	12554.	123.109	1.029	.0	0.	.000	.00	30.
10	1987	GL	333.3	10332.	122.434	380.3	11790.	134.899	1.141	.0	0.	.000	.00	31.
Sub 1987			386.8	96302.		402.7	100265.		1.041	.0	0.		.00	249.

\* Per Producing Day



PUERTO CHIQUILTO MANCOS WEST, RIO ARRIBA COUNTY, N.M.  
 BMS, COU 26 (NE/SW (X) 31-25N-1W) COU26.MAL  
 GROSS PRODUCTION

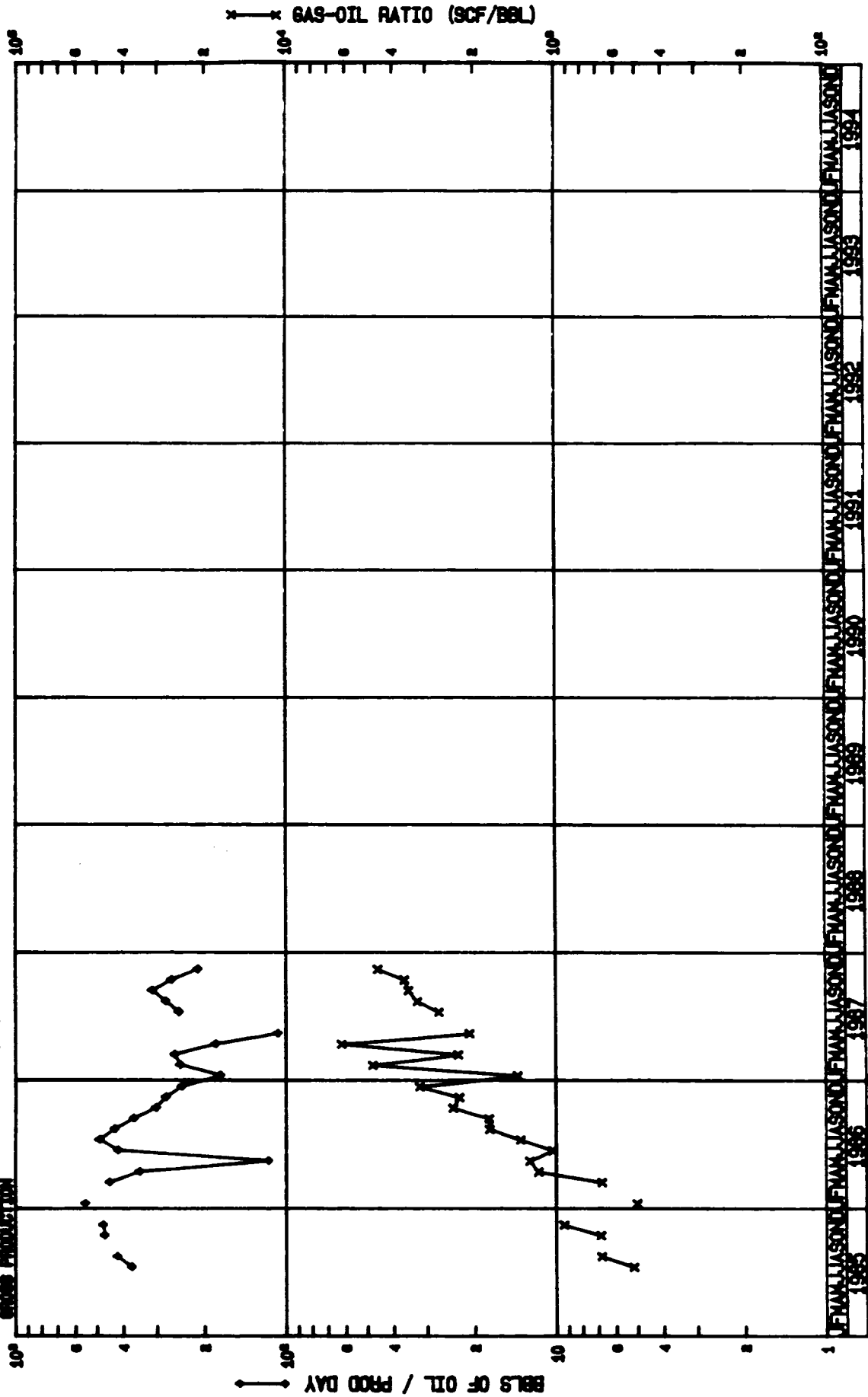


PUERTO CHIQUITO MANCOS WEST, RIO ARRIBA COUNTY, N.M.  
 BMC, COU 26 (NE/SW(K) 31-25N-1W) COU26.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
5	1985		138.0	138.	.138	69.0	69.	.069	.500	.0	0.	.000	.00	1.
6	1985		17.2	498.	.636	8.6	249.	.318	.500	.0	0.	.000	.00	29.
7	1985		5.9	183.	.819	4.1	128.	.446	.699	.0	0.	.000	.00	31.
8	1985		5.4	168.	.987	3.8	118.	.564	.702	.0	0.	.000	.00	31.
9	1985		4.8	145.	1.132	3.4	102.	.666	.703	.0	0.	.000	.00	30.
10	1985		4.3	134.	1.266	3.0	94.	.760	.701	.0	0.	.000	.00	31.
11	1985		4.2	125.	1.391	2.9	88.	.848	.704	.0	0.	.000	.00	30.
12	1985		4.3	134.	1.525	3.0	94.	.942	.701	.0	0.	.000	.00	31.
Sub	1985		7.1	1525.		4.4	942.		.618	.0	0.		.00	214.
1	1986		3.9	122.	1.647	2.7	85.	1.027	.697	.0	0.	.000	.00	31.
2	1986		4.2	106.	1.753	3.0	74.	1.101	.698	.0	0.	.000	.00	25.
3	1986		3.8	110.	1.863	2.7	77.	1.178	.700	.0	0.	.000	.00	29.
4	1986		5.5	93.	1.956	3.8	65.	1.243	.699	.0	0.	.000	.00	17.
5	1986		3.6	112.	2.068	2.5	78.	1.321	.696	.0	0.	.000	.00	31.
6	1986		1.9	58.	2.126	1.4	41.	1.362	.707	.0	0.	.000	.00	30.
7	1986		3.1	96.	2.222	2.2	67.	1.429	.698	.0	0.	.000	.00	31.
8	1986		2.5	20.	2.242	1.8	14.	1.443	.700	.0	0.	.000	.00	8.
9	1986		.0	0.	2.242	.0	0.	1.443	.000	.0	0.	.000	.00	0.
10	1986		1.3	39.	2.281	.9	28.	1.471	.718	.0	0.	.000	.00	31.
11	1986	GL	5.6	163.	2.444	3.9	114.	1.585	.699	.0	0.	.000	.00	29.
12	1986	GL	2.6	82.	2.526	2.1	66.	1.651	.805	.0	0.	.000	.00	31.
Sub	1986		3.4	1001.		2.4	709.		.708	.0	0.		.00	293.
1	1987	OP	1.7	49.	2.575	1.2	34.	1.685	.694	.0	0.	.000	.00	29.
2	1987	P	1.1	18.	2.593	.8	12.	1.697	.667	.0	0.	.000	.00	16.
3	1987	SI	.0	0.	2.593	.0	0.	1.697	.000	.0	0.	.000	.00	0.
4	1987	SI	.0	0.	2.593	.0	0.	1.697	.000	.0	0.	.000	.00	0.
5	1987	P	4.2	100.	2.693	2.6	63.	1.760	.630	.0	0.	.000	.00	24.
6	1987	SI	.0	0.	2.693	.0	0.	1.760	.000	.0	0.	.000	.00	0.
7	1987	SI	.0	0.	2.693	.0	0.	1.760	.000	.0	0.	.000	.00	0.
8	1987	SI	.0	0.	2.693	.0	0.	1.760	.000	.0	0.	.000	.00	0.
9	1987	SI	.0	0.	2.693	.0	0.	1.760	.000	.0	0.	.000	.00	0.
10	1987	SI	.0	0.	2.693	.0	0.	1.760	.000	.0	0.	.000	.00	0.
Sub	1987		2.4	167.		1.6	109.		.653	.0	0.		.00	69.

\* Per Producing Day

GAYTLAN MANCOS FIELD, RIO ARRIBA COUNTY, N. M.  
 MALLON, HOWARD FED. 1-8 (SE/NE 1/4) 1-28N-2W  
 HOND F1. MAL  
 OIL PRODUCTION

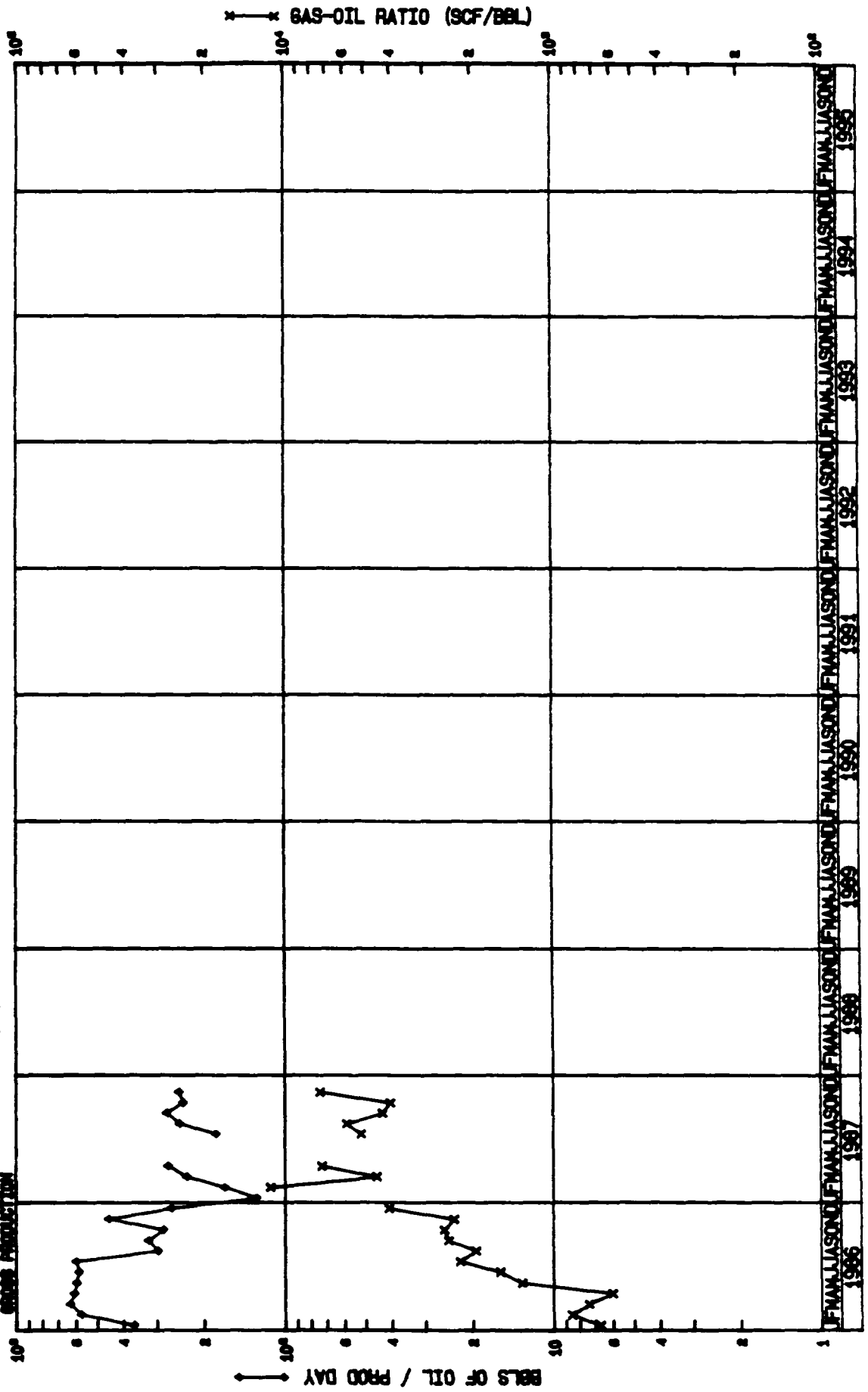


GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
MALLON, HOWARD FED. 1-8 (SE/NE(H) 1-25N-2W) HOWDF1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
7	1985		371.2	1856.	1.856	190.0	950.	.950	.512	.0	0.	.000	.00	5.
8	1985		420.1	8402.	10.258	283.5	5671.	6.621	.675	.0	0.	.000	.00	20.
9	1985	SI	.0	0.	10.258	.0	0.	6.621	.000	.0	0.	.000	.00	0.
10	1985		467.4	4207.	14.465	317.9	2861.	9.482	.680	.0	0.	.000	.00	9.
11	1985		473.6	8999.	23.464	439.5	8351.	17.833	.928	.0	0.	.000	.00	19.
12	1985	SI	.0	0.	23.464	.0	0.	17.833	.000	.0	0.	.000	.00	0.
Sub 1985			442.7	23464.		336.5	17833.		.760	.0	0.		.00	53.
1	1986		551.3	16538.	40.002	274.4	8231.	26.064	.498	.0	0.	.000	.00	30.
2	1986		.0	0.	40.002	82.0	2297.	28.361	.000	.0	0.	.000	.00	0.
3	1986		448.3	10310.	50.312	300.9	6921.	35.282	.671	.0	0.	.000	.00	23.
4	1986		347.6	6605.	56.917	400.8	7615.	42.897	1.153	.0	0.	.000	.00	19.
5	1986		116.2	1162.	58.079	144.5	1445.	44.342	1.244	.0	0.	.000	.00	10.
6	1986		417.9	12537.	70.616	426.4	12792.	57.134	1.020	.0	0.	.000	.00	30.
7	1986		488.6	14657.	85.273	656.6	19699.	76.833	1.344	.0	0.	.000	.00	30.
8	1986		429.2	11160.	96.433	750.2	19505.	96.338	1.748	.0	0.	.000	.00	26.
9	1986		364.8	10214.	106.647	641.3	17956.	114.294	1.758	.0	0.	.000	.00	28.
10	1986		301.8	7544.	114.191	719.6	17989.	132.283	2.385	.0	0.	.000	.00	25.
11	1986		277.4	8044.	122.235	627.2	18188.	150.471	2.261	.0	0.	.000	.00	29.
12	1986	OP	242.1	5326.	127.561	767.9	16894.	167.365	3.172	.0	0.	.000	.00	22.
Sub 1986			382.7	104097.		549.8	149532.		1.436	.0	0.		.00	272.
1	1987	OP	174.3	523.	128.084	240.0	720.	168.085	1.377	.0	0.	.000	.00	3.
2	1987	P	245.5	982.	129.066	1162.0	4648.	172.733	4.733	.0	0.	.000	.00	4.
3	1987	F	257.6	1288.	130.354	588.0	2940.	175.673	2.283	.0	0.	.000	.00	5.
4	1987	F	181.5	363.	130.717	1120.0	2240.	177.913	6.171	.0	0.	.000	.00	2.
5	1987	F	107.0	1177.	131.894	221.6	2438.	180.351	2.071	.0	0.	.000	.00	11.
6	1987		.0	0.	131.894	86.5	2595.	182.946	.000	.0	0.	.000	.00	0.
7	1987	P	248.3	7697.	139.591	667.3	20686.	203.632	2.688	.0	0.	.000	.00	31.
8	1987	P	277.3	8596.	148.187	896.6	27795.	231.427	3.233	.0	0.	.000	.00	31.
9	1987	P	311.5	9345.	157.532	1085.1	32554.	263.981	3.484	.0	0.	.000	.00	30.
10	1987	P	264.4	8196.	165.728	954.1	29576.	293.557	3.609	.0	0.	.000	.00	31.
11	1987	P	211.2	4647.	170.375	956.2	21036.	314.593	4.527	.0	0.	.000	.00	22.
Sub 1987			251.8	42814.		866.0	147228.		3.439	.0	0.		.00	170.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ABBEIRA COUNTY, N.M.  
 MALLON HOWARD FED. 1-11 (NE/SW) (1-26N-2W) HWD11.MAL  
 GAS PRODUCTION

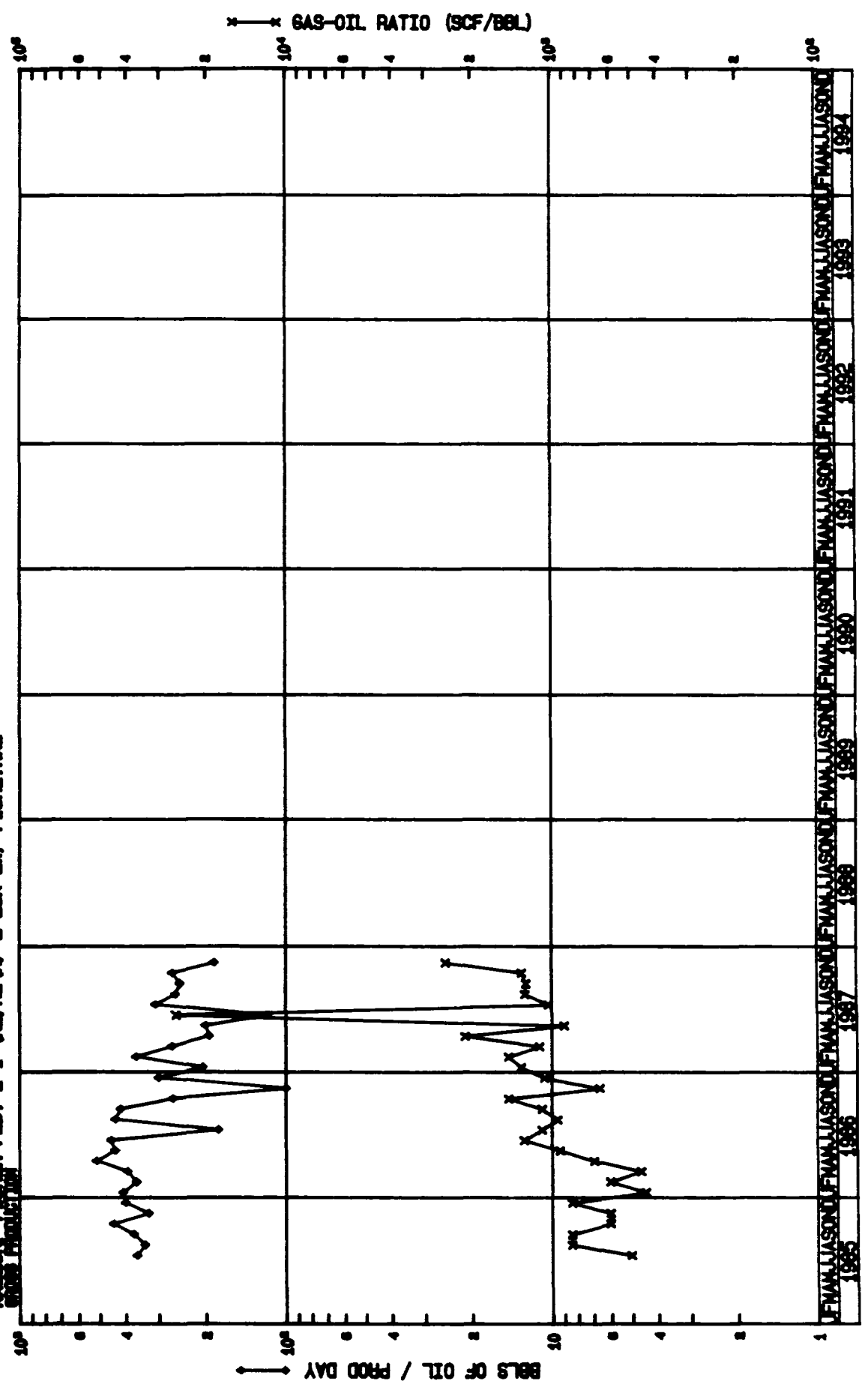


GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
MALLON, HOWARD FED. 1-11 (NE/SW(K) 1-25N-2W) HOWD11.MAL

Mo	Year	Stat	OIL/COND			GAS			WATER				Days Prod	
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB		WOR B/B
1	1986		364.9	5473.	5.473	242.8	3642.	3.642	.665	.0	0.	.000	.00	15.
2	1986		573.6	16060.	21.533	487.8	13659.	17.301	.850	.0	0.	.000	.00	28.
3	1986		628.5	5028.	26.561	461.1	3689.	20.990	.734	.0	0.	.000	.00	8.
4	1986		607.0	7891.	34.452	363.8	4729.	25.719	.599	.0	0.	.000	.00	13.
5	1986		596.4	14314.	48.766	778.1	18675.	44.394	1.305	.0	0.	.000	.00	24.
6	1986		583.1	17494.	66.260	913.9	27418.	71.812	1.567	.0	0.	.000	.00	30.
7	1986		598.4	14961.	81.221	1325.2	33131.	104.943	2.214	.0	0.	.000	.00	25.
8	1986		297.5	8032.	89.253	576.5	15565.	120.508	1.938	.0	0.	.000	.00	27.
9	1986		321.2	9635.	98.888	783.7	23512.	144.020	2.440	.0	0.	.000	.00	30.
10	1986		283.5	7087.	105.975	718.7	17968.	161.988	2.535	.0	0.	.000	.00	25.
11	1986		453.5	11791.	117.766	1058.3	27515.	189.503	2.334	.0	0.	.000	.00	26.
12	1986	OP	264.0	5808.	123.574	1072.7	23599.	213.102	4.063	.0	0.	.000	.00	22.
Sub	1986		452.7	123574.		780.6	213102.		1.724	.0	0.		.00	273.
1	1987	OP	127.8	639.	124.213	.0	0.	213.102	.000	.0	0.	.000	.00	5.
2	1987	P	168.0	504.	124.717	1894.0	5682.	218.784	11.274	.0	0.	.000	.00	3.
3	1987	F	231.0	924.	125.641	1042.3	4169.	222.953	4.512	.0	0.	.000	.00	4.
4	1987	F	271.7	815.	126.456	1967.0	5901.	228.854	7.240	.0	0.	.000	.00	3.
5	1987	SI	.0	0.	126.456	.0	0.	228.854	.000	.0	0.	.000	.00	0.
6	1987	SI	.0	0.	126.456	.0	0.	228.854	.000	.0	0.	.000	.00	0.
7	1987	P	180.6	5419.	131.875	931.6	27947.	256.801	5.157	.0	0.	.000	.00	30.
8	1987	P	246.9	5431.	137.306	1443.6	31760.	288.561	5.848	.0	0.	.000	.00	22.
9	1987	P	274.4	6037.	143.343	1176.3	25878.	314.439	4.287	.0	0.	.000	.00	22.
10	1987	P	239.0	7408.	150.751	958.7	29721.	344.160	4.012	.0	0.	.000	.00	31.
11	1987	P	247.7	3716.	154.467	1819.7	27296.	371.456	7.346	.0	0.	.000	.00	15.
Sub	1987		228.8	30893.		1173.0	158354.		5.126	.0	0.		.00	135.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MALLON FISHER FED. 2-1 (NE/NE (A) 2-25N-2W) F18H2.MAL  
 25000' PRODUCTION



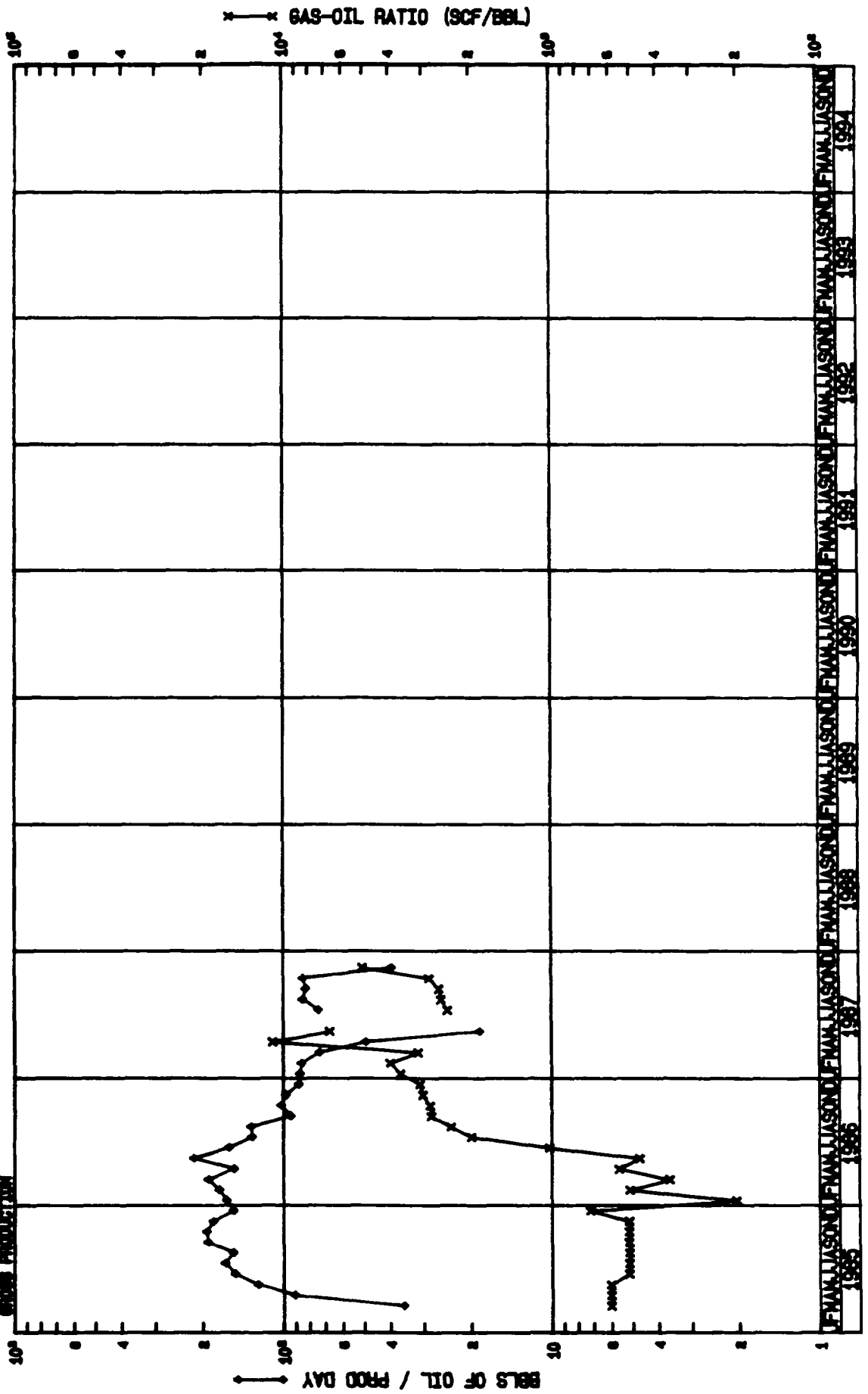
GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
MALLON, FISHER FED. 2-1 (NE/NE(A) 2-25N-2W) FIS2.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
7	1985		363.2	3632.	3.632	181.6	1816.	1.816	.500	.0	0.	.000	.00	10.
8	1985		339.2	4749.	8.381	284.3	3980.	5.796	.838	.0	0.	.000	.00	14.
9	1985		374.1	5986.	14.367	313.5	5016.	10.812	.838	.0	0.	.000	.00	16.
10	1985		445.8	5796.	20.163	267.5	3478.	14.290	.600	.0	0.	.000	.00	13.
11	1985		328.9	5591.	25.754	197.4	3355.	17.645	.600	.0	0.	.000	.00	17.
12	1985		402.1	4423.	30.177	336.9	3706.	21.351	.838	.0	0.	.000	.00	11.
Sub	1985		372.6	30177.		263.6	21351.		.708	.0	0.		.00	81.
1	1986		410.1	12302.	42.479	181.7	5452.	26.803	.443	.0	0.	.000	.00	30.
2	1986		365.7	10239.	52.718	219.8	6155.	32.958	.601	.0	0.	.000	.00	28.
3	1986		395.3	12253.	64.971	182.5	5657.	38.615	.462	.0	0.	.000	.00	31.
4	1986		516.6	12914.	77.885	358.0	8950.	47.565	.693	.0	0.	.000	.00	25.
5	1986		439.7	10114.	87.999	407.9	9381.	56.946	.928	.0	0.	.000	.00	23.
6	1986		455.0	11376.	99.375	575.6	14389.	71.335	1.265	.0	0.	.000	.00	25.
7	1986		180.3	2704.	102.079	195.6	2934.	74.269	1.085	.0	0.	.000	.00	15.
8	1986		438.7	10091.	112.170	415.9	9565.	83.834	.948	.0	0.	.000	.00	23.
9	1986		419.8	11755.	123.925	455.1	12743.	96.577	1.084	.0	0.	.000	.00	28.
10	1986		266.9	5605.	129.530	386.7	8120.	104.697	1.449	.0	0.	.000	.00	21.
11	1986		100.2	2405.	131.935	65.8	1580.	106.277	.657	.0	0.	.000	.00	24.
12	1986	OP	301.9	9359.	141.294	320.4	9933.	116.210	1.061	.0	0.	.000	.00	31.
Sub	1986		365.5	111117.		312.0	94859.		.854	.0	0.		.00	304.
1	1987	OP	206.7	6408.	147.702	268.4	8319.	124.529	1.298	.0	0.	.000	.00	31.
2	1987	P	367.0	6239.	153.941	532.5	9053.	133.582	1.451	.0	0.	.000	.00	17.
3	1987	P	268.6	5641.	159.582	297.8	6253.	139.835	1.108	.0	0.	.000	.00	21.
4	1987	F	195.3	2539.	162.121	411.8	5353.	145.188	2.108	.0	0.	.000	.00	13.
5	1987	F	201.5	4231.	166.352	180.3	3786.	148.974	.895	.0	0.	.000	.00	21.
6	1987		118.0	118.	166.470	3037.0	3037.	152.011	25.737	.0	0.	.000	.00	1.
7	1987	P	309.5	9593.	176.063	316.6	9816.	161.827	1.023	.0	0.	.000	.00	31.
8	1987	P	260.5	8076.	184.139	326.4	10118.	171.945	1.253	.0	0.	.000	.00	31.
9	1987	P	250.6	6767.	190.906	311.4	8408.	180.353	1.243	.0	0.	.000	.00	27.
10	1987	P	267.8	8302.	199.208	345.2	10701.	191.054	1.289	.0	0.	.000	.00	31.
11	1987	P	186.4	4474.	203.682	464.5	11149.	202.203	2.492	.0	0.	.000	.00	24.
Sub	1987		251.6	62388.		346.7	85993.		1.378	.0	0.		.00	248.

\* Per Producing Day



GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MALDON RIBEYONIOS FED. 2-16 (SE/SE (P) 2-20N-20) RIBEY2.MAL  
 OIL PRODUCTION

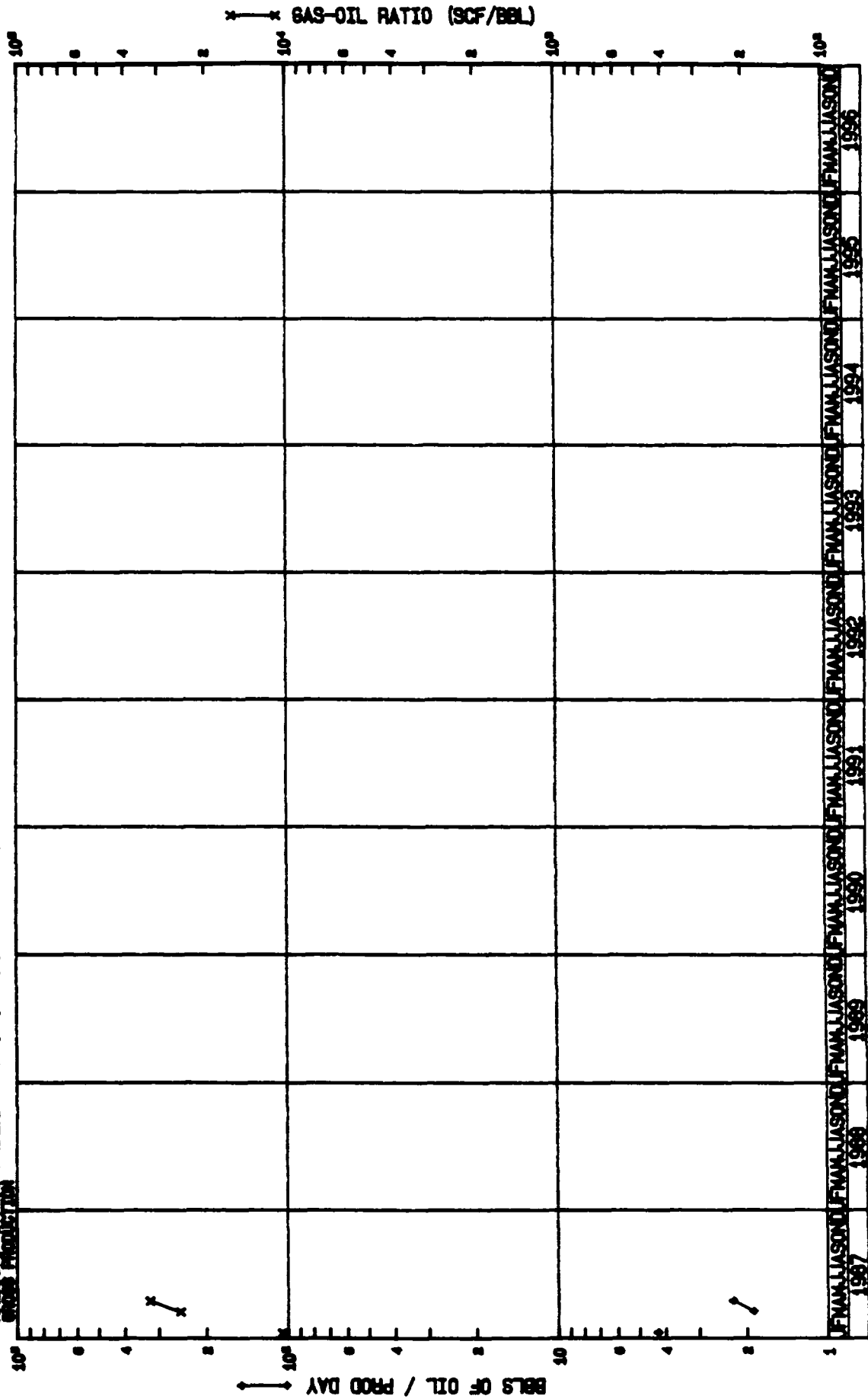


GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
MALLON, RIBEWOWIDS FED. 2-16 (SE/SE(P) 2-25N-2W) RIBEW2.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
3	1985		35.8	429.	.429	21.4	257.	.257	.599	.0	0.	.000	.00	12.
4	1985		91.3	1734.	2.163	54.7	1040.	1.297	.600	.0	0.	.000	.00	13.
5	1985		124.5	249.	2.412	74.5	149.	1.446	.598	.0	0.	.000	.00	2.
6	1985		151.8	2733.	5.145	77.7	1399.	2.845	.512	.0	0.	.000	.00	18.
7	1985		165.6	4470.	9.615	84.8	2289.	5.134	.512	.0	0.	.000	.00	27.
8	1985		154.2	1542.	11.157	79.0	790.	5.924	.512	.0	0.	.000	.00	10.
9	1985		191.3	3634.	14.791	97.9	1861.	7.785	.512	.0	0.	.000	.00	19.
10	1985		193.3	3480.	18.271	99.0	1782.	9.567	.512	.0	0.	.000	.00	18.
11	1985		183.1	3478.	21.749	93.7	1781.	11.348	.512	.0	0.	.000	.00	19.
12	1985		154.0	3695.	25.444	110.0	2640.	13.988	.714	.0	0.	.000	.00	24.
Sub	1985		151.5	25444.		83.3	13988.		.550	.0	0.		.00	168.
1	1986		163.2	5059.	30.503	33.1	1026.	15.014	.203	.0	0.	.000	.00	31.
2	1986		173.7	4691.	35.194	88.2	2382.	17.396	.508	.0	0.	.000	.00	27.
3	1986		190.7	5531.	40.725	68.8	1996.	19.392	.361	.0	0.	.000	.00	29.
4	1986		153.2	4597.	45.322	85.4	2562.	21.954	.557	.0	0.	.000	.00	30.
5	1986		216.2	3675.	48.997	101.1	1718.	23.672	.467	.0	0.	.000	.00	17.
6	1986		159.6	4789.	53.786	161.4	4841.	28.513	1.011	.0	0.	.000	.00	30.
7	1986		131.1	3670.	57.456	259.4	7262.	35.775	1.979	.0	0.	.000	.00	28.
8	1986		132.3	4102.	61.558	312.2	9679.	45.454	2.360	.0	0.	.000	.00	31.
9	1986		94.3	2546.	64.104	263.5	7114.	52.568	2.794	.0	0.	.000	.00	27.
10	1986		101.8	3157.	67.261	286.6	8884.	61.452	2.814	.0	0.	.000	.00	31.
11	1986		97.9	2936.	70.197	293.3	8798.	70.250	2.997	.0	0.	.000	.00	30.
12	1986	OP	87.6	2716.	72.913	269.5	8356.	78.606	3.077	.0	0.	.000	.00	31.
Sub	1986		138.8	47469.		188.9	64618.		1.361	.0	0.		.00	342.
1	1987	OP	86.8	2431.	75.344	316.1	8851.	87.457	3.641	.0	0.	.000	.00	28.
2	1987	P	85.4	1367.	76.711	338.4	5414.	92.871	3.960	.0	0.	.000	.00	16.
3	1987	P	73.2	1684.	78.395	228.4	5254.	98.125	3.120	.0	0.	.000	.00	23.
4	1987	P	49.3	641.	79.036	536.2	6970.	105.095	10.874	.0	0.	.000	.00	13.
5	1987	P	18.6	260.	79.296	123.6	1731.	106.826	6.658	.0	0.	.000	.00	14.
6	1987		.0	0.	79.296	48.9	1468.	108.294	.000	.0	0.	.000	.00	0.
7	1987	P	73.9	2291.	81.587	179.2	5554.	113.848	2.424	.0	0.	.000	.00	31.
8	1987	P	84.8	2629.	84.216	217.1	6731.	120.579	2.560	.0	0.	.000	.00	31.
9	1987	P	82.5	2476.	86.692	215.6	6468.	127.047	2.612	.0	0.	.000	.00	30.
10	1987	P	84.5	2536.	89.228	240.0	7201.	134.248	2.840	.0	0.	.000	.00	30.
11	1987	P	39.4	748.	89.976	197.9	3760.	138.008	5.027	.0	0.	.000	.00	19.
Sub	1987		72.6	17063.		252.8	59402.		3.481	.0	0.		.00	235.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MALLON, DAVIS FEDERAL #9 (5N/SE (0) 3-25N-25W) DAVFEDS.MAL  
 CROSS PRODUCTION

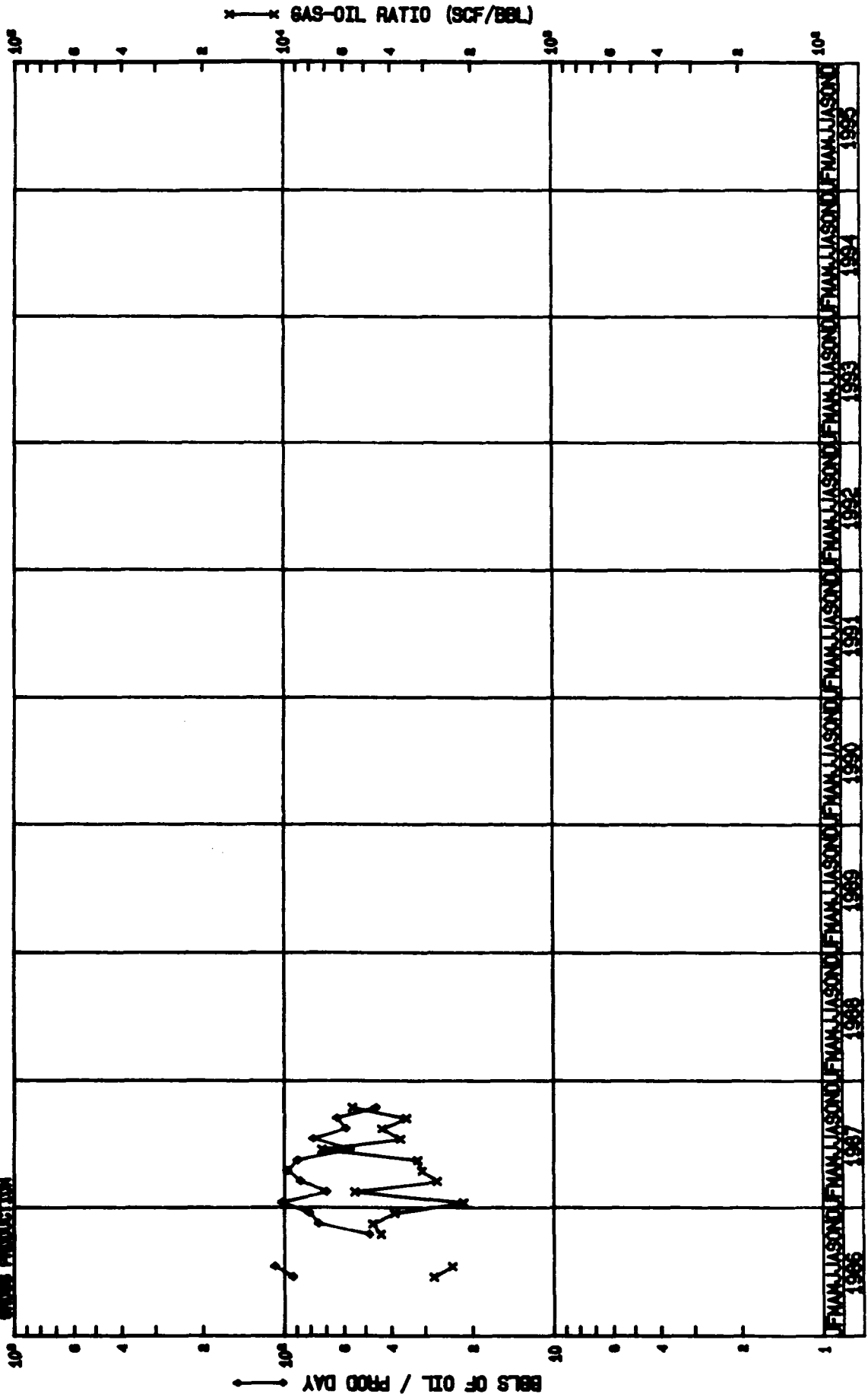


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
MALLON, DAVIS FEDERAL #3 (SW/SE(O) 3-25N-2W) DAVFED3.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
1	1987	OP	4.3	98.	.098	44.4	1021.	1.021	10.418	.0	0.	.000	.00	23.
2	1987	P	.0	0.	.098	27.0	162.	1.183	.000	.0	0.	.000	.00	6.
3	1987	P	1.9	34.	.132	46.8	843.	2.026	24.794	.0	0.	.000	.00	18.
4	1987	P	2.3	27.	.159	72.3	867.	2.893	32.111	.0	0.	.000	.00	12.
5	1987	SI	.0	0.	.159	.0	0.	2.893	.000	.0	0.	.000	.00	0.
6	1987	SI	.0	0.	.159	.0	0.	2.893	.000	.0	0.	.000	.00	0.
7	1987	P	.0	0.	.159	.3	8.	2.901	.000	.0	0.	.000	.00	31.
8	1987	P	.0	0.	.159	.3	8.	2.909	.000	.0	0.	.000	.00	31.
9	1987	P	.0	0.	.159	13.8	415.	3.324	.000	.0	0.	.000	.00	30.
10	1987	P	.0	0.	.159	57.1	1027.	4.351	.000	.0	0.	.000	.00	18.
11	1987	SI	.0	0.	.159	.0	0.	4.351	.000	.0	0.	.000	.00	0.
Sub	1987		.9	159.		25.7	4351.		27.365	.0	0.		.00	169.

\* Per Producing Day

GAYTLAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 NESSA GRANITE MARAUDER #1 (SE/8N W 8-28N-20) MARAU1.MAL  
 1986 PRODUCTION

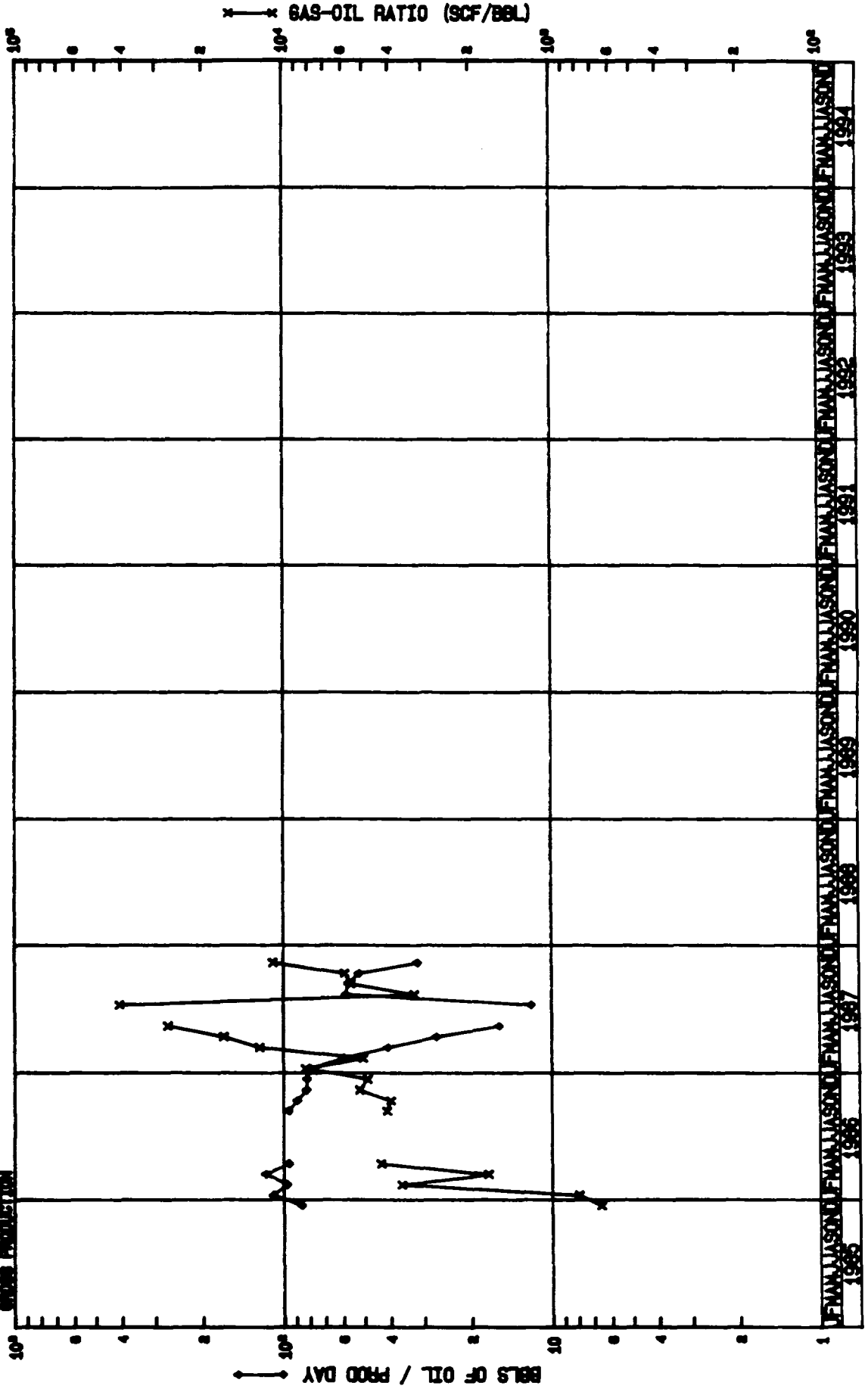


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MESA GRANDE, MARAUDER #1 (SE/SW(N) 8-25N-2W) MARAU1.MAL

Mo	Year	Stat	OIL/COND			GAS			WATER				Days Prod	
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB		WOR B/B
6	1986		92.4	1756.	1.756	255.1	4847.	4.847	2.760	.0	0.	.000	.00	19.
7	1986		108.2	1298.	3.054	255.0	3060.	7.907	2.357	.0	0.	.000	.00	12.
8	1986		.0	0.	3.054	.0	0.	7.907	.000	.0	0.	.000	.00	0.
9	1986		.0	0.	3.054	.0	0.	7.907	.000	.0	0.	.000	.00	0.
10	1986		48.1	866.	3.920	208.7	3757.	11.664	4.338	.0	0.	.000	.00	18.
11	1986	OP	74.2	1559.	5.479	345.0	7245.	18.909	4.647	.0	0.	.000	.00	21.
12	1986	OP	80.4	1768.	7.247	310.1	6823.	25.732	3.859	.0	0.	.000	.00	22.
Sub	1986		78.8	7247.		279.7	25732.		3.551	.0	0.		.00	92.
1	1987	OP	101.6	2846.	10.093	218.0	6105.	31.837	2.145	.0	0.	.000	.00	28.
2	1987	P	69.5	1390.	11.483	377.0	7540.	39.377	5.424	.0	0.	.000	.00	20.
3	1987	P	86.9	2695.	14.178	233.8	7247.	46.624	2.689	.0	0.	.000	.00	31.
4	1987	P	96.6	2898.	17.076	295.0	8850.	55.474	3.054	.0	0.	.000	.00	30.
5	1987	P	88.7	2750.	19.826	280.4	8693.	64.167	3.161	.0	0.	.000	.00	31.
6	1987	P	56.6	1415.	21.241	405.9	10147.	74.314	7.171	.0	0.	.000	.00	25.
7	1987	P	77.8	2411.	23.652	285.4	8846.	83.160	3.669	.0	0.	.000	.00	31.
8	1987	P	58.8	1469.	25.121	252.7	6318.	89.478	4.301	.0	0.	.000	.00	25.
9	1987	P	63.5	1906.	27.027	221.8	6654.	96.132	3.491	.0	0.	.000	.00	30.
10	1987	P	45.3	1403.	28.430	249.4	7730.	103.862	5.510	.0	0.	.000	.00	31.
Sub	1987		75.1	21183.		277.1	78130.		3.688	.0	0.		.00	282.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MALLON JOHNSON FEB. 12-8 (8M/AM) (E) 12-26N-20) JOHN12.MAL  
 80888 P.00001/0001



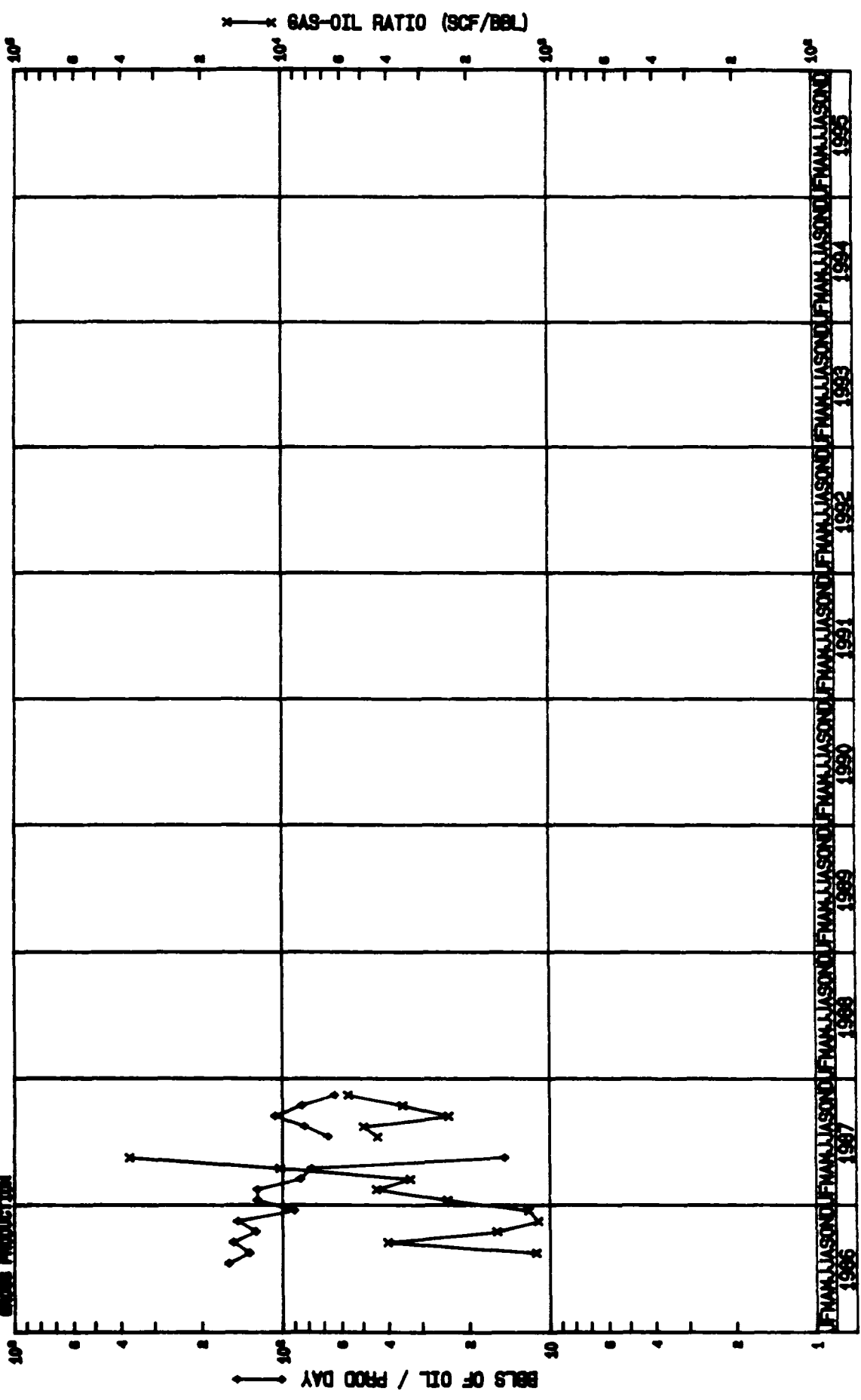
GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
MALLON, JOHNSON FED. 12-5 (SW/NW(E) 12-25N-2W) JOHN12.MAL

Mo	Year	Stat	OIL/COND			GAS			WATER				Days Prod	
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB		WOR B/B
12	1985		85.5	1026.	1.026	55.5	666.	.666	.649	.0	0.	.000	.00	12.
Sub	1985		85.5	1026.		55.5	666.		.649	.0	0.		.00	12.
1	1986		109.3	3388.	4.414	86.1	2669.	3.335	.788	.0	0.	.000	.00	31.
2	1986		97.0	2717.	7.131	349.3	9781.	13.116	3.600	.0	0.	.000	.00	28.
3	1986		116.6	3498.	10.629	200.2	6005.	19.121	1.717	.0	0.	.000	.00	30.
4	1986		95.4	2385.	13.014	409.8	10244.	29.365	4.295	.0	0.	.000	.00	25.
5	1986		.0	0.	13.014	10.9	337.	29.702	.000	.0	0.	.000	.00	0.
6	1986		.0	0.	13.014	.0	0.	29.702	.000	.0	0.	.000	.00	0.
7	1986		.0	0.	13.014	.0	0.	29.702	.000	.0	0.	.000	.00	0.
8	1986		.0	0.	13.014	.0	0.	29.702	.000	.0	0.	.000	.00	0.
9	1986		95.3	1620.	14.634	388.6	6606.	36.308	4.078	.0	0.	.000	.00	17.
10	1986		88.6	2748.	17.382	349.4	10832.	47.140	3.942	.0	0.	.000	.00	31.
11	1986		81.9	2211.	19.593	422.4	11405.	58.545	5.158	.0	0.	.000	.00	27.
12	1986	OP	81.6	2448.	22.041	393.1	11792.	70.337	4.817	.0	0.	.000	.00	30.
Sub	1986		96.0	21015.		318.1	69671.		3.315	.0	0.		.00	219.
1	1987	OP	79.5	1192.	23.233	653.7	9806.	80.143	8.227	.0	0.	.000	.00	15.
2	1987	P	59.3	178.	23.411	296.3	889.	81.032	4.994	.0	0.	.000	.00	3.
3	1987	F	40.7	122.	23.533	494.3	1483.	82.515	12.156	.0	0.	.000	.00	3.
4	1987	F	26.8	161.	23.694	443.3	2660.	85.175	16.522	.0	0.	.000	.00	6.
5	1987	F	15.7	251.	23.945	419.1	6705.	91.880	26.713	.0	0.	.000	.00	16.
6	1987		.0	0.	23.945	148.0	4439.	96.319	.000	.0	0.	.000	.00	0.
7	1987	P	11.9	214.	24.159	480.2	8643.	104.962	40.388	.0	0.	.000	.00	18.
8	1987	P	58.4	1051.	25.210	187.8	3380.	108.342	3.216	.0	0.	.000	.00	18.
9	1987	P	57.2	1715.	26.925	317.5	9525.	117.867	5.554	.0	0.	.000	.00	30.
10	1987	P	52.0	1613.	28.538	304.9	9451.	127.318	5.859	.0	0.	.000	.00	31.
11	1987	P	31.5	818.	29.356	341.2	8872.	136.190	10.846	.0	0.	.000	.00	26.
Sub	1987		44.1	7315.		396.7	65853.		9.002	.0	0.		.00	166.

\* Per Producing Day



GAVILAN MANCOS FIELD, RIO ARRIBA CO., NM  
 MALLON POST FED 13-6 (SE/NE 1/4) 13-25N-2W PFD136.MAL  
 CROSS PRODUCTION

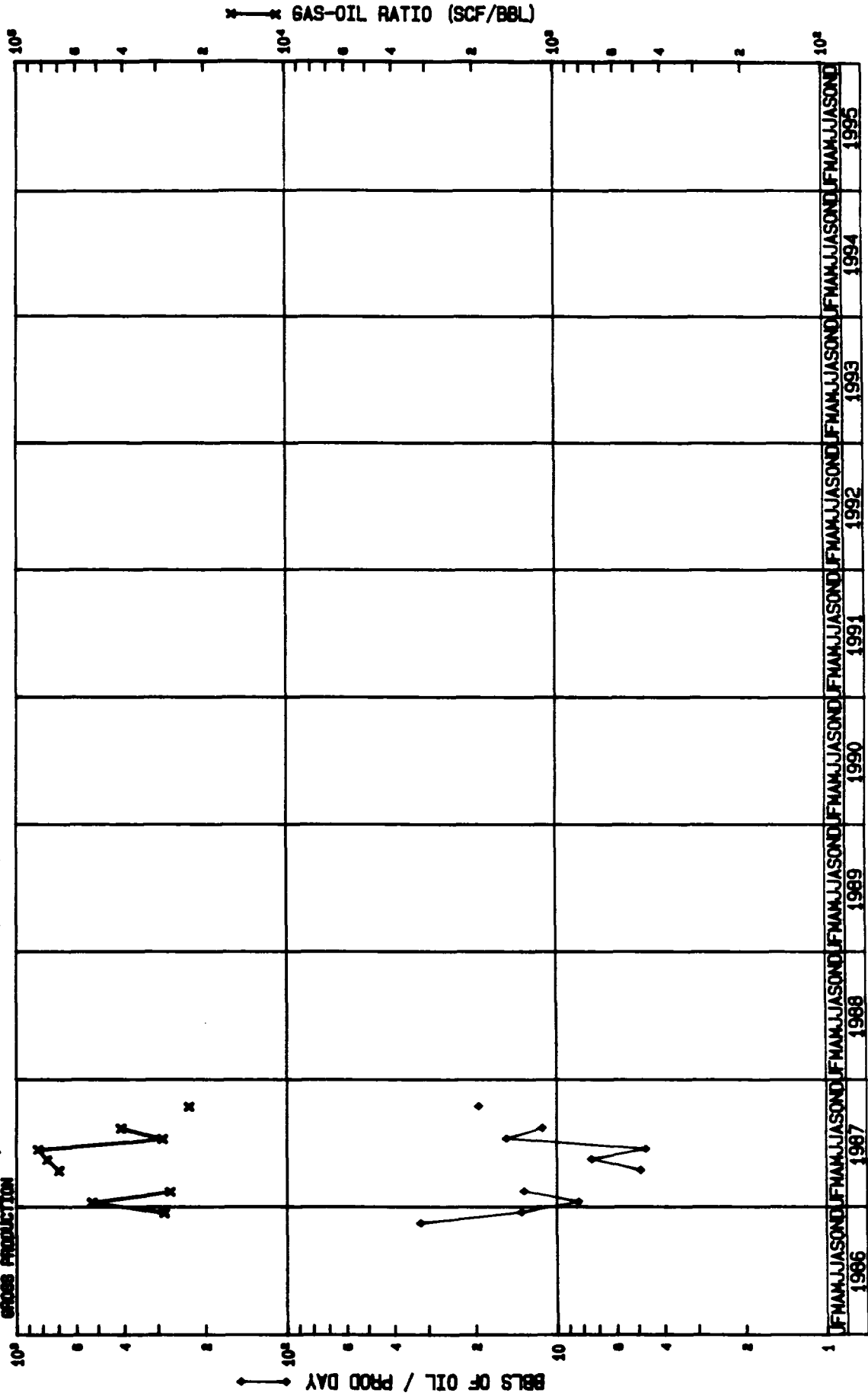


GAVILAN MANCOS FIELD, RIO ARriba CO., NM  
MALLON, POST FED 13-6 (SE/NW(F) 13-25N-2W) PFD136.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
6	1986		.0	0.	.000	18.8	565.	.565	.000	.0	0.	.000	.00	0.
7	1986		159.0	159.	.159	.0	0.	.565	.000	.0	0.	.000	.00	1.
8	1986		133.1	4127.	4.286	148.9	4617.	5.182	1.119	.0	0.	.000	.00	31.
9	1986		153.1	2755.	7.041	614.7	11065.	16.247	4.016	.0	0.	.000	.00	18.
10	1986		126.1	3658.	10.699	197.8	5735.	21.982	1.568	.0	0.	.000	.00	29.
11	1986	OP	147.2	3828.	14.527	161.3	4193.	26.175	1.095	.0	0.	.000	.00	26.
12	1986	OP	90.5	2714.	17.241	107.7	3230.	29.405	1.190	.0	0.	.000	.00	30.
Sub 1986			127.7	17241.		217.8	29405.		1.706	.0	0.		.00	135.
1	1987	OP	124.3	3232.	20.473	298.0	7747.	37.152	2.397	.0	0.	.000	.00	26.
2	1987	P	124.3	1865.	22.338	549.4	8241.	45.393	4.419	.0	0.	.000	.00	15.
3	1987	P	85.8	1372.	23.710	283.0	4528.	49.921	3.300	.0	0.	.000	.00	16.
4	1987	P	78.0	702.	24.412	793.2	7139.	57.060	10.170	.0	0.	.000	.00	9.
5	1987	P	14.8	118.	24.530	544.0	4352.	61.412	36.881	.0	0.	.000	.00	8.
6	1987		.0	0.	24.530	14.9	446.	61.858	.000	.0	0.	.000	.00	0.
7	1987	P	67.5	2092.	26.622	294.7	9136.	70.994	4.367	.0	0.	.000	.00	31.
8	1987	P	82.7	2563.	29.185	407.4	12628.	83.622	4.927	.0	0.	.000	.00	31.
9	1987	P	106.8	3203.	32.388	253.3	7600.	91.222	2.373	.0	0.	.000	.00	30.
10	1987	P	84.5	2621.	35.009	297.8	9231.	100.453	3.522	.0	0.	.000	.00	31.
11	1987	P	63.6	1654.	36.663	357.6	9297.	109.750	5.621	.0	0.	.000	.00	26.
Sub 1987			87.1	19422.		360.3	80345.		4.137	.0	0.		.00	223.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 READING & BATES, HOWARD FED #43-15 (NE/SE (1) 15-25N-2W) HOM431.MAL  
 Gross Production

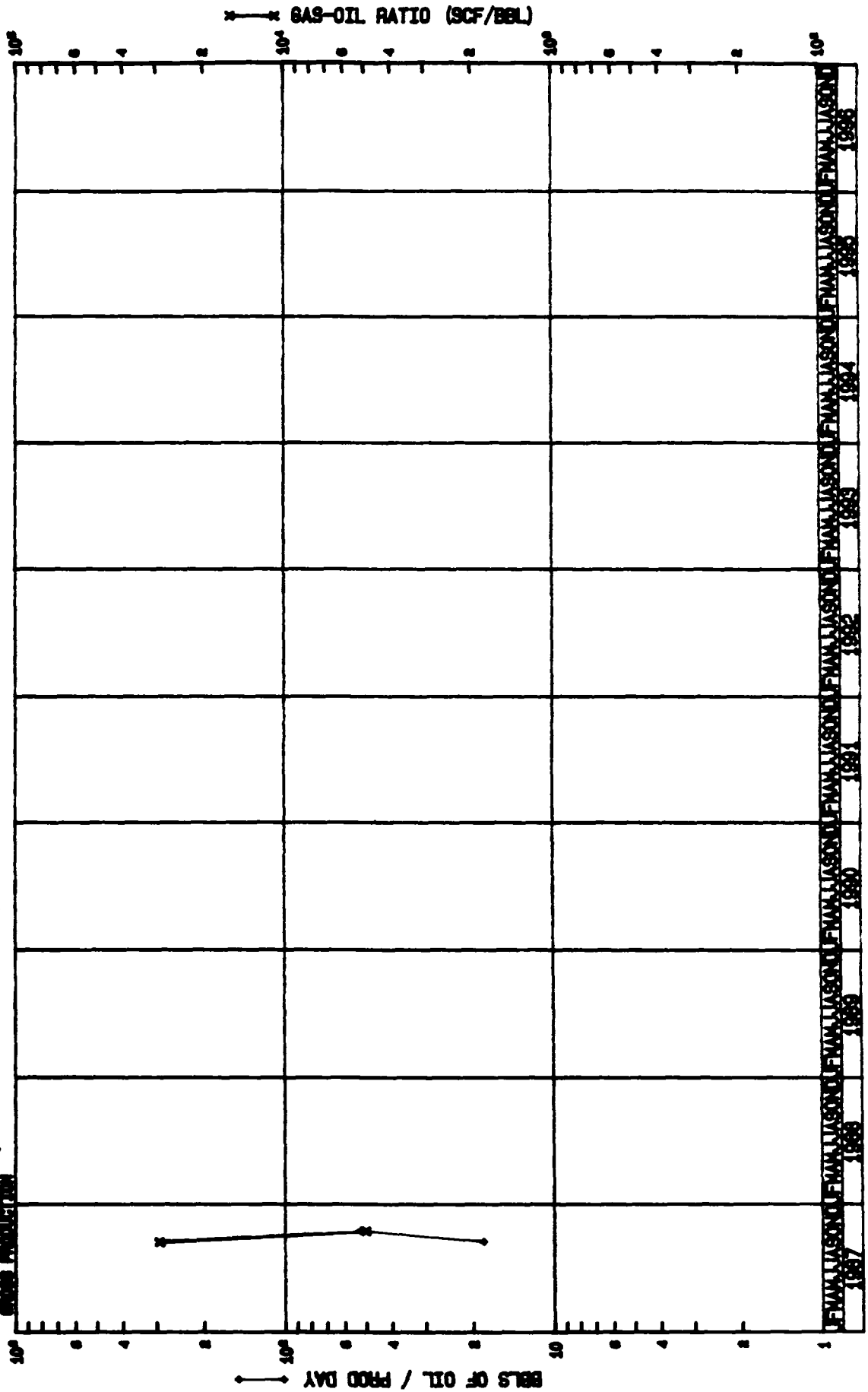


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 READING & BATES, HOWARD FED #43-15 (NE/SE(I) 15-25N-2W) HOW431.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
11	1986	OF	32.0	160.	.160	.0	0.	.000	.000	9.0	45.	.045	.28	5.
12	1986	OF	13.6	407.	.567	383.2	11497.	11.497	28.248	2.2	67.	.112	.16	30.
Sub 1986			16.2	567.		328.5	11497.		20.277	3.2	112.		.20	35.
1	1987	OF	8.3	150.	.717	434.9	7828.	19.325	52.187	.8	15.	.127	.10	18.
2	1987	F	13.3	332.	1.049	356.8	8920.	28.245	26.867	.3	8.	.135	.02	25.
3	1987	F	.0	0.	1.049	.0	0.	28.245	.000	.0	0.	.135	.00	0.
4	1987	F	4.9	113.	1.162	340.8	7839.	36.084	69.372	.0	0.	.135	.00	23.
5	1987	F	7.5	231.	1.393	572.0	17731.	53.815	76.758	.0	0.	.135	.00	31.
6	1987	F	4.7	103.	1.496	386.5	8504.	62.319	82.563	.2	4.	.139	.04	22.
7	1987	F	15.4	446.	1.942	440.8	12784.	75.103	28.664	7.8	226.	.365	.51	29.
8	1987	F	11.3	351.	2.293	461.9	14318.	89.421	40.792	.3	8.	.373	.02	31.
9	1987	F	.0	0.	2.293	.0	0.	89.421	.000	.0	0.	.373	.00	0.
10	1987	F	19.5	117.	2.410	446.0	2676.	92.097	22.872	.8	5.	.378	.04	6.
Sub 1987			10.0	1843.		435.7	80600.		43.733	1.4	266.		.14	185.

\* Per Producing Day

SAYLON MANDOS FIELD, RIO ARRIBA COUNTY, N.M.  
 READING & BATES, INDIAN FED 43-16 (SE/NE (1) 16-20N-24) IN64916.MAL  
 2000 PRODUCTION

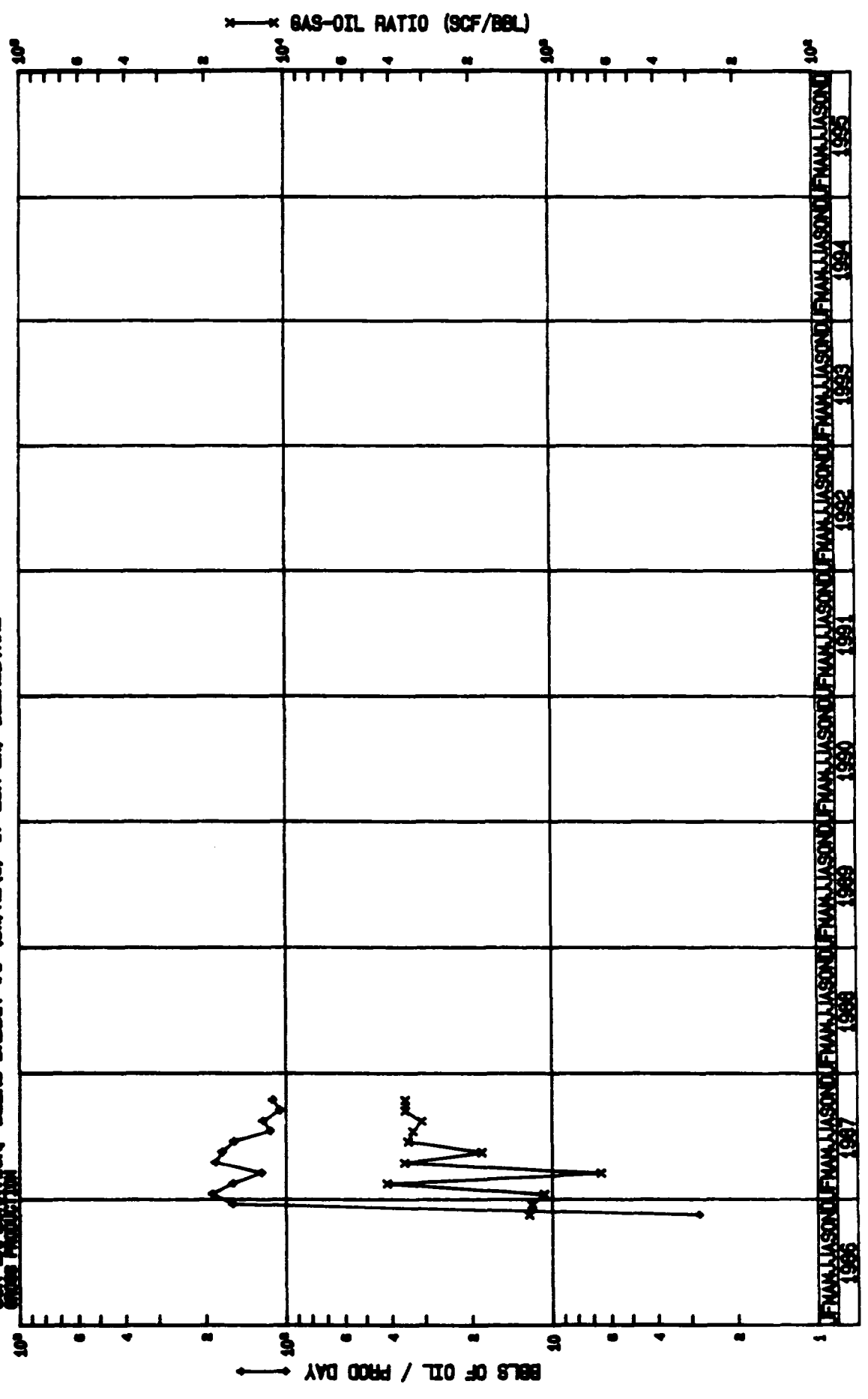


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 READING & BATES, INGRAM FED 43-16 (SE/NE(I) 16-25N-2W) ING4316.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
9	1987		18.3	73.	.073	530.0	2120.	2.120	29.041	.0	0.	.000	.00	4.
10	1987		52.4	1362.	1.435	260.3	6767.	8.887	4.968	.0	0.	.000	.00	26.
Sub	1987		47.8	1435.		296.2	8887.		6.193	.0	0.		.00	30.

\* Per Producing Day

GAVTLAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, BEER'S BASIN #1 (S&NE (6) 17-28N-2W) BEER'S B. MAL  
 BEER'S BASIN #1



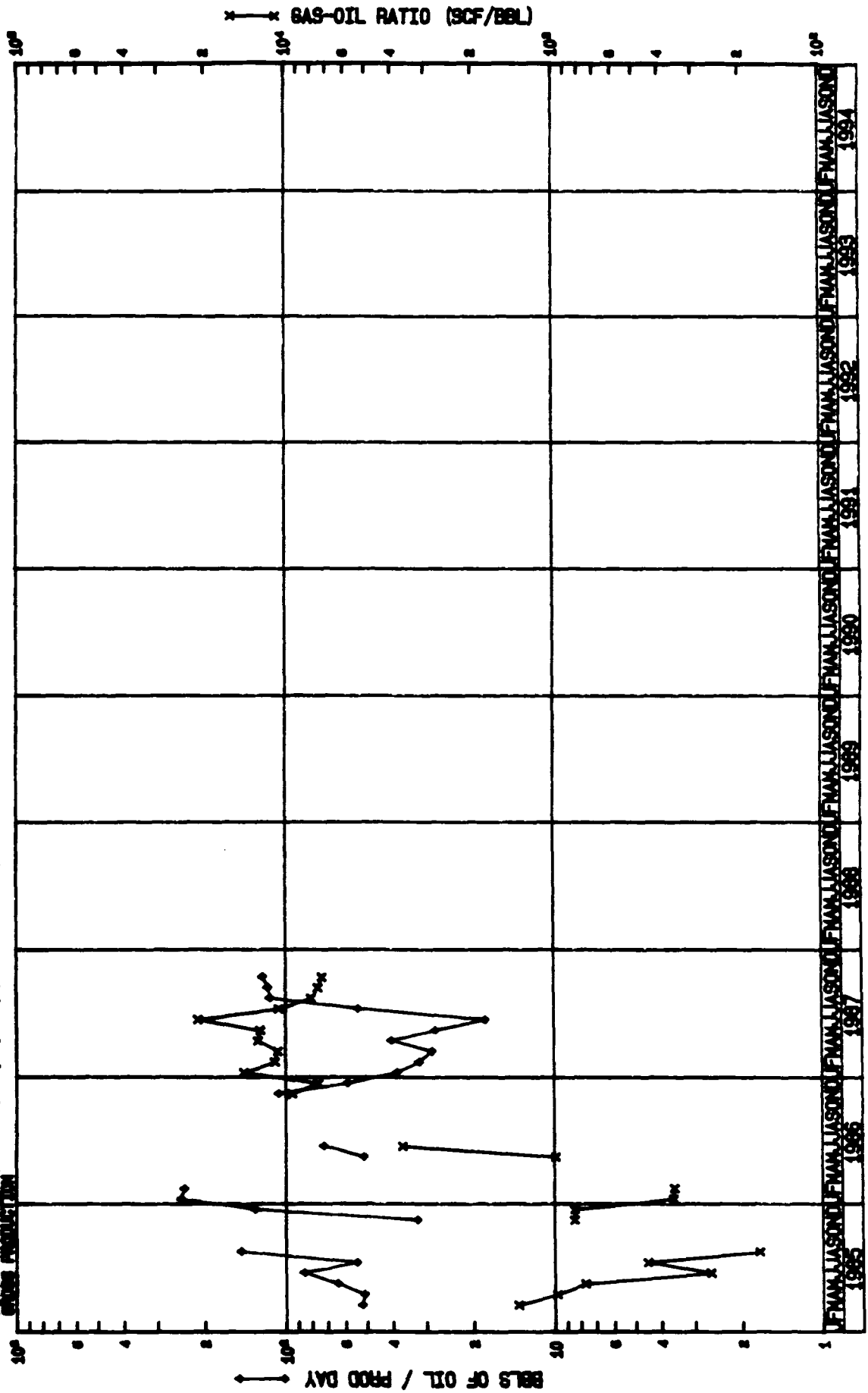
GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
 SUN EXPLORATION, BEEKS RABBIT #1 (SW/NE(G) 17-25N-2W) BEEKSB.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
9	1986	SI	.0	0.	.000	.0	0.	.000	.000	.0	0.	.000	.00	0.
10	1986	SI	.0	0.	.000	.0	0.	.000	.000	.0	0.	.000	.00	0.
11	1986	OP	2.8	14.	.014	3.4	17.	.017	1.214	.0	0.	.000	.00	5.
12	1986	OP	<u>158.3</u>	<u>3800.</u>	<u>3.814</u>	<u>187.0</u>	<u>4489.</u>	<u>4.506</u>	<u>1.181</u>	<u>.3</u>	<u>7.</u>	<u>.007</u>	<u>.00</u>	<u>24.</u>
Sub 1986			131.5	3814.		155.4	4506.		1.181	.2	7.		.00	29.
1	1987	OP	188.8	3776.	7.590	200.9	4017.	8.523	1.064	.3	6.	.013	.00	20.
2	1987	F	158.0	1896.	9.486	654.0	7848.	16.371	4.139	.1	1.	.014	.00	12.
3	1987	F	123.5	1359.	10.845	80.4	884.	17.255	.650	.2	2.	.016	.00	11.
4	1987	F	184.0	2760.	13.605	655.4	9831.	27.086	3.562	.3	5.	.021	.00	15.
5	1987	F	173.7	3126.	16.731	317.1	5708.	32.794	1.826	.3	5.	.026	.00	18.
6	1987	F	156.4	2346.	19.077	539.5	8092.	40.886	3.449	.0	0.	.026	.00	15.
7	1987	F	114.1	3536.	22.613	376.6	11675.	52.561	3.302	.0	0.	.026	.00	31.
8	1987	F	121.8	3289.	25.902	373.4	10082.	62.643	3.065	.0	0.	.026	.00	27.
9	1987	F	105.0	3151.	29.053	371.5	11144.	73.787	3.537	.0	0.	.026	.00	30.
10	1987	F	<u>111.9</u>	<u>3470.</u>	<u>32.523</u>	<u>395.7</u>	<u>12266.</u>	<u>86.053</u>	<u>3.535</u>	<u>.0</u>	<u>0.</u>	<u>.026</u>	<u>.00</u>	<u>31.</u>
Sub 1987			136.7	28709.		388.3	81547.		2.840	.1	19.		.00	210.

\* Per Producing Day



GAYTLAN MANCOS FIELD, RIO ARRIBA COUNTY, N. M.  
 MESA GRANDE BRONN #1 (SEE/SEE ON 17-20N-20W) BRONN1.MAL  
 OIL PRODUCTION

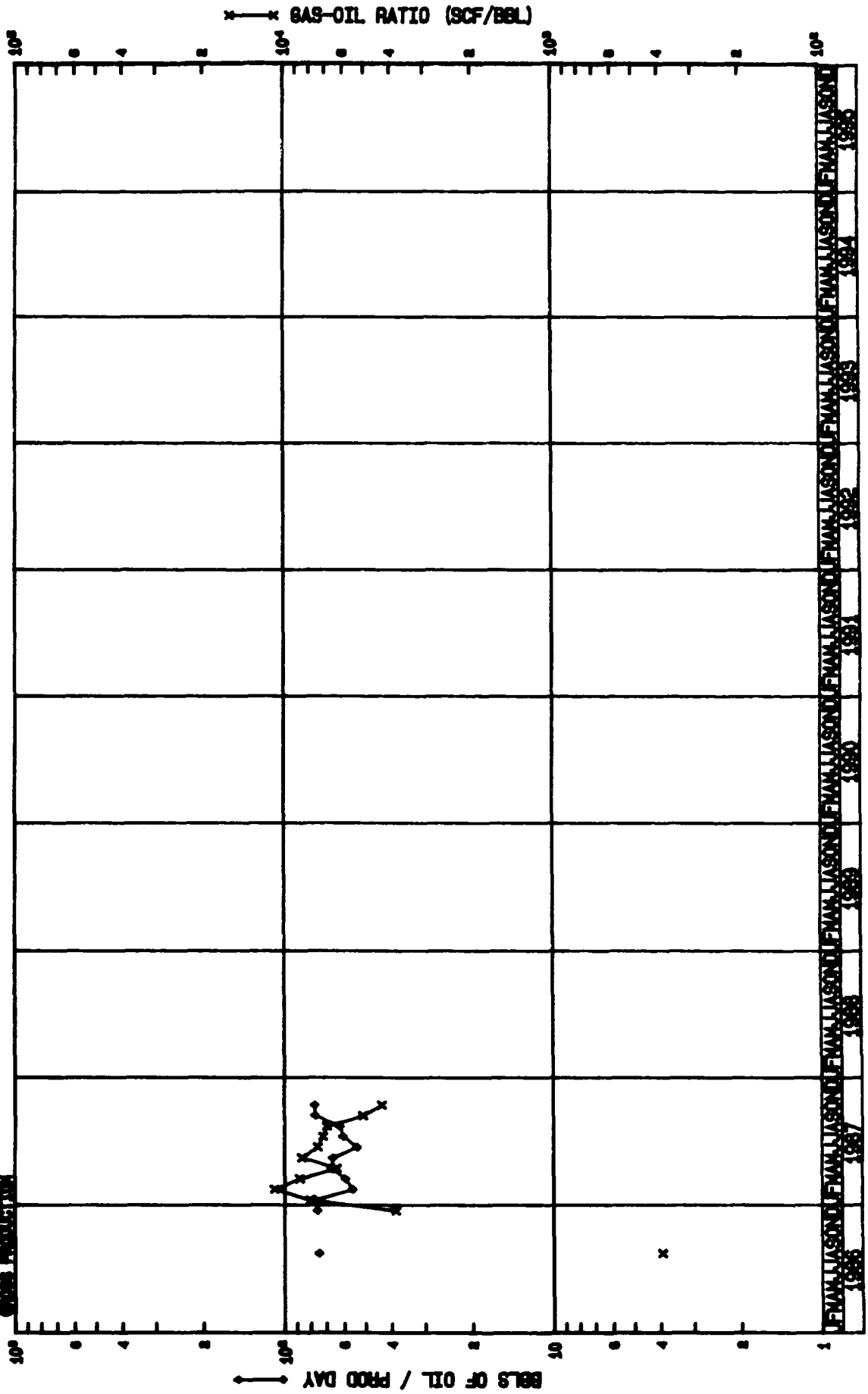


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MESA GRANDE, BROWN #1 (SE/SW(N) 17-25N-2W) BROWN1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
3	1985		51.7	517.	.517	70.0	700.	.700	1.354	4.8	48.	.048	.09	10.
4	1985		50.8	1220.	1.737	49.4	1185.	1.885	.971	9.6	231.	.279	.19	24.
5	1985		64.0	576.	2.313	48.9	440.	2.325	.764	5.2	47.	.326	.08	9.
6	1985		85.3	1023.	3.336	22.1	265.	2.590	.259	2.8	33.	.359	.03	12.
7	1985		54.3	977.	4.313	24.2	435.	3.025	.445	.4	7.	.366	.01	18.
8	1985		146.3	1170.	5.483	25.0	200.	3.225	.171	3.8	30.	.396	.03	8.
9	1985	SI	.0	0.	5.483	.0	0.	3.225	.000	.0	0.	.396	.00	0.
10	1985	SI	.0	0.	5.483	.0	0.	3.225	.000	.0	0.	.396	.00	0.
11	1985		32.3	968.	6.451	27.0	810.	4.035	.837	2.9	88.	.484	.09	30.
12	1985		130.0	3119.	9.570	108.8	2610.	6.645	.837	19.8	476.	.960	.15	24.
Sub	1985		70.9	9570.		49.2	6645.		.694	7.1	960.		.10	135.
1	1986		244.2	7326.	16.896	87.0	2610.	9.255	.356	.2	5.	.965	.00	30.
2	1986		237.5	3563.	20.459	84.0	1260.	10.515	.354	.0	0.	.965	.00	15.
3	1986	SI	.0	0.	20.459	.0	0.	10.515	.000	.0	0.	.965	.00	0.
4	1986	SI	.0	0.	20.459	.0	0.	10.515	.000	.0	0.	.965	.00	0.
5	1986		51.0	102.	20.561	50.0	100.	10.615	.980	.0	0.	.965	.00	2.
6	1986		72.0	144.	20.705	262.0	524.	11.139	3.639	.0	0.	.965	.00	2.
7	1986		.0	0.	20.705	.0	0.	11.139	.000	.0	0.	.965	.00	0.
8	1986		.0	0.	20.705	.0	0.	11.139	.000	.0	0.	.965	.00	0.
9	1986		.0	0.	20.705	.0	0.	11.139	.000	.0	0.	.965	.00	0.
10	1986		.0	0.	20.705	.0	0.	11.139	.000	.0	0.	.965	.00	0.
11	1986	OP	105.5	2533.	23.238	987.1	23690.	34.829	9.353	.0	0.	.965	.00	24.
12	1986	OP	58.5	1170.	24.408	438.3	8765.	43.594	7.491	.0	0.	.965	.00	20.
Sub	1986		159.5	14838.		397.3	36949.		2.490	.1	5.		.00	93.
1	1987	OP	38.3	230.	24.638	542.5	3255.	46.849	14.152	.0	0.	.965	.00	6.
2	1987	P	31.6	316.	24.954	343.0	3430.	50.279	10.854	.0	0.	.965	.00	10.
3	1987	P	28.3	708.	25.662	299.8	7496.	57.775	10.588	.0	0.	.965	.00	25.
4	1987	P	40.2	1004.	26.666	504.0	12599.	70.374	12.549	.0	0.	.965	.00	25.
5	1987	P	27.6	799.	27.465	338.2	9809.	80.183	12.277	.0	0.	.965	.00	29.
6	1987	P	18.0	413.	27.878	375.9	8645.	88.828	20.932	.0	0.	.965	.00	23.
7	1987	P	53.6	1662.	29.540	562.4	17435.	106.263	10.490	.0	0.	.965	.00	31.
8	1987	P	114.0	2735.	32.275	907.2	21773.	128.036	7.961	.0	0.	.965	.00	24.
9	1987	P	115.6	3469.	35.744	866.0	25981.	154.017	7.489	1.0	30.	.995	.01	30.
10	1987	P	121.0	3752.	39.496	876.4	27169.	181.186	7.241	2.6	80.	1.075	.02	31.
Sub	1987		64.5	15088.		588.0	137592.		9.119	.5	110.		.01	234.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
 SUN EXPLORATION, LOODY #1 (SE/NW (F) 20-28N-28W) LOODY 1. MAL

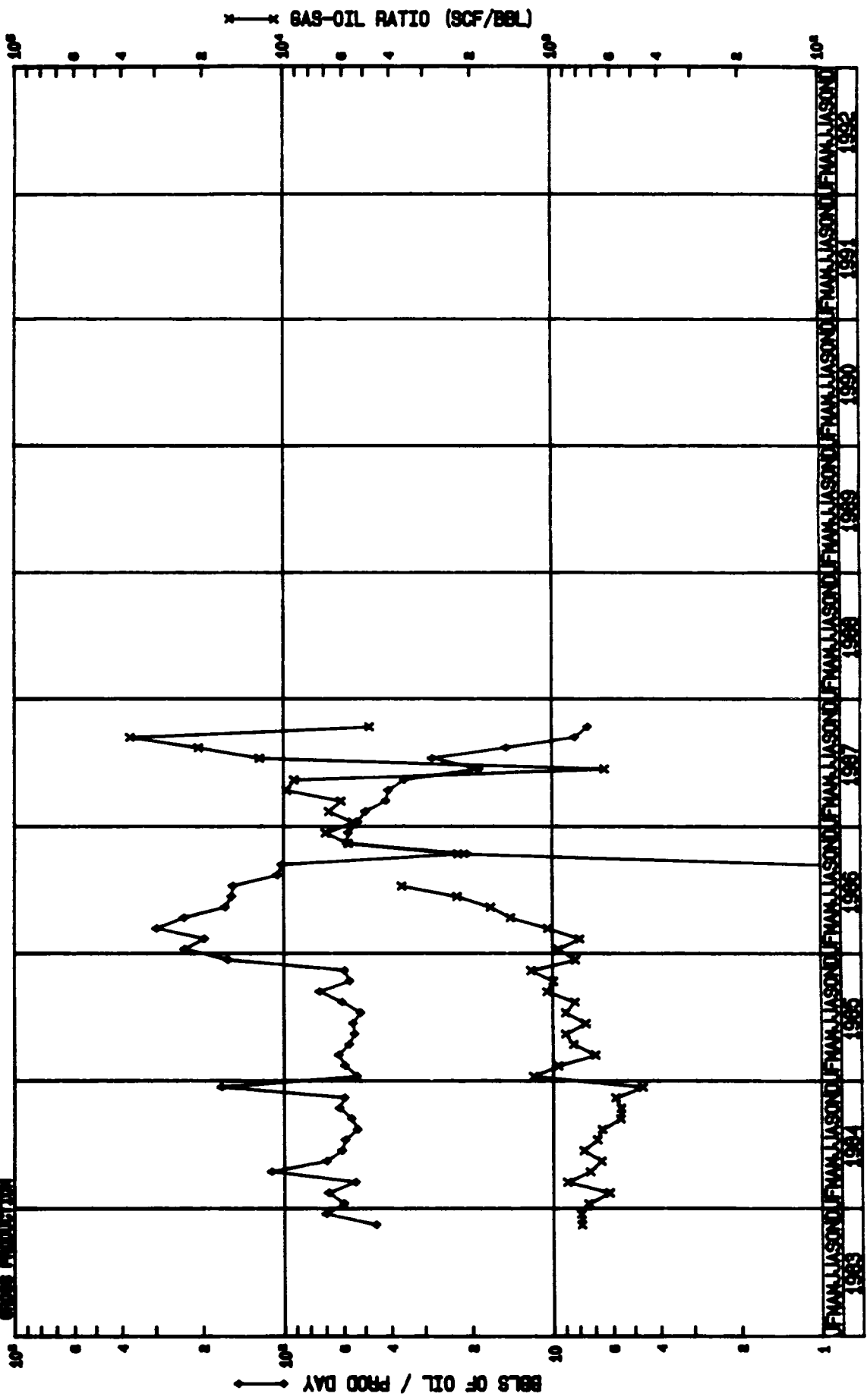


GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
 SUN EXPLORTION, LODDY #1 (SE/NW(F) 20-25N-2W) LODDY1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Proc
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
8	1986		74.3	223.	.223	29.0	87.	.087	.390	1.0	3.	.003	.01	3.
9	1986	SI	.0	0.	.223	.0	0.	.087	.000	.0	0.	.003	.00	0.
10	1986	SI	.0	0.	.223	.0	0.	.087	.000	.0	0.	.003	.00	0.
11	1986	SI	.0	0.	.223	.0	0.	.087	.000	.0	0.	.003	.00	0.
12	1986	OF	75.3	1205.	1.428	287.8	4604.	4.691	3.821	.1	2.	.005	.00	16.
Sub 1986			75.2	1428.		246.9	4691.		3.285	.3	5.		.00	19.
1	1987	OF	77.0	924.	2.352	612.6	7351.	12.042	7.956	2.6	31.	.036	.03	12.
2	1987	F	55.8	725.	3.077	603.7	7848.	19.890	10.825	.3	4.	.040	.01	13.
3	1987	F	59.4	891.	3.968	517.7	7765.	27.655	8.715	.2	3.	.043	.00	15.
4	1987	F	66.6	1132.	5.100	422.2	7178.	34.833	6.341	.3	5.	.048	.00	17.
5	1987	F	66.0	1056.	6.156	564.2	9027.	43.860	8.548	.2	3.	.051	.00	16.
6	1987	F	53.5	803.	6.959	399.1	5987.	49.847	7.456	.0	0.	.051	.00	15.
7	1987	F	60.4	1813.	8.772	431.0	12930.	62.777	7.132	.0	0.	.051	.00	30.
8	1987	F	62.2	1680.	10.452	429.5	11597.	74.374	6.903	.0	0.	.051	.00	27.
9	1987	F	76.7	2300.	12.752	387.8	11633.	86.007	5.058	.0	0.	.051	.00	30.
10	1987	F	76.9	2385.	15.137	330.5	10246.	96.253	4.296	.0	0.	.051	.00	31.
Sub 1987			66.5	13709.		444.5	91562.		6.679	.2	46.		.00	206.

\* Per Producing Day

SAVILAN MANCERIS FIELD, RIO ARriba COUNTY, NM  
 SUN EXPLORATION, JANET #2 (NE/SE (1) 21-28N-28W) JANET2.MAL  
 OIL PRODUCTION

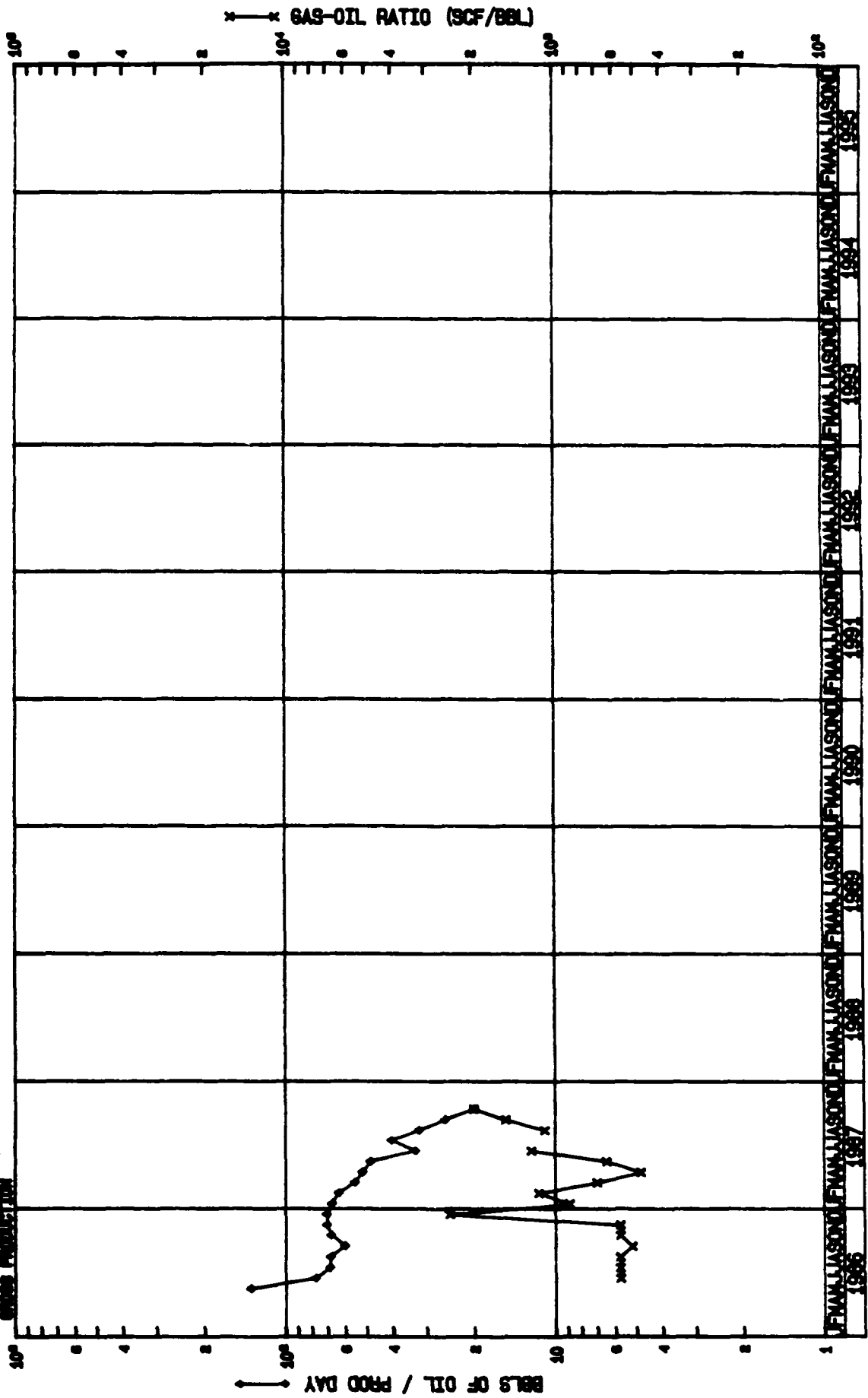


GAVILAN MANCOS FIELD, RIO ARriba COUNTY, NM  
 SUN EXPLORATION, JANET #2 (NE/SE(I) 21-25N-2W) JANET2.MAL

Mo	Year	Stat	OIL/COND			GAS			WATER			Days Proc		
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls		Cum MB	GOR B/B
11	1983		45.7	1370.	1.370	35.6	1069.	1.069	.780	1.3	40.	.040	.03	30.
12	1983		70.1	2172.	3.542	54.8	1700.	2.769	.783	.0	0.	.040	.00	31.
Sub	1983		58.1	3542.		45.4	2769.		.782	.7	40.		.01	61.
1	1984		60.0	1801.	5.343	44.1	1323.	4.092	.735	.0	0.	.040	.00	30.
2	1984		68.4	1916.	7.259	42.0	1176.	5.268	.614	.0	0.	.040	.00	28.
3	1984		54.4	924.	8.183	47.9	814.	6.082	.881	.0	0.	.040	.00	17.
4	1984		111.5	892.	9.075	80.6	645.	6.727	.723	.0	0.	.040	.00	8.
5	1984		69.5	2156.	11.231	45.7	1418.	8.145	.658	.0	0.	.040	.00	31.
6	1984		61.0	1830.	13.061	46.6	1397.	9.542	.763	.0	0.	.040	.00	30.
7	1984		59.2	1836.	14.897	40.3	1249.	10.791	.680	.0	0.	.040	.00	31.
8	1984		53.4	1654.	16.551	34.9	1081.	11.872	.654	.0	0.	.040	.00	31.
9	1984		56.2	1686.	18.237	31.3	940.	12.812	.558	.2	5.	.045	.00	30.
10	1984		62.3	1868.	20.105	34.6	1037.	13.849	.555	.5	15.	.060	.01	30.
11	1984		59.6	1848.	21.953	34.6	1074.	14.923	.581	.2	7.	.067	.00	31.
12	1984		171.2	5306.	27.259	78.8	2442.	17.365	.460	.3	10.	.077	.00	31.
Sub	1984		72.3	23717.		44.5	14596.		.615	.1	37.		.00	328.
1	1985		53.5	1660.	28.919	62.8	1947.	19.312	1.173	.3	10.	.087	.01	31.
2	1985		59.4	1664.	30.583	56.5	1583.	20.895	.951	.4	10.	.097	.01	28.
3	1985		62.6	1503.	32.086	43.2	1037.	21.932	.690	.4	10.	.107	.01	24.
4	1985		57.3	1718.	33.804	47.7	1431.	23.363	.833	.5	15.	.122	.01	30.
5	1985		54.7	1640.	35.444	48.7	1462.	24.825	.891	.3	10.	.132	.01	30.
6	1985		55.5	1664.	37.108	41.5	1246.	26.071	.749	.3	10.	.142	.01	30.
7	1985		51.9	1610.	38.718	46.3	1434.	27.505	.891	.3	10.	.152	.01	31.
8	1985		60.8	1886.	40.604	50.0	1550.	29.055	.822	.3	10.	.162	.01	31.
9	1985		73.8	2214.	42.818	77.0	2310.	31.365	1.043	.3	10.	.172	.00	30.
10	1985		57.0	1766.	44.584	56.3	1745.	33.110	.988	.5	15.	.187	.01	31.
11	1985		59.6	1670.	46.254	71.4	1998.	35.108	1.196	.6	18.	.205	.01	28.
12	1985		162.3	5030.	51.284	132.5	4106.	39.214	.816	.6	20.	.225	.00	31.
Sub	1985		67.7	24025.		61.5	21849.		.909	.4	148.		.01	355.
1	1986		233.9	7250.	58.534	221.0	6852.	46.066	.945	.6	20.	.245	.00	31.
2	1986		197.9	5344.	63.878	155.7	4204.	50.270	.787	.7	20.	.265	.00	27.
3	1986		297.6	9225.	73.103	307.5	9534.	59.804	1.033	.5	15.	.280	.00	31.
4	1986		235.5	7064.	80.167	335.3	10059.	69.863	1.424	.5	15.	.295	.00	30.
5	1986		165.3	5125.	85.292	278.8	8642.	78.505	1.686	.6	20.	.315	.00	31.
6	1986		156.4	4692.	89.984	351.3	10538.	89.043	2.246	.7	20.	.335	.00	30.
7	1986		154.8	4798.	94.782	558.9	17325.	106.368	3.611	.6	20.	.355	.00	31.
8	1986		105.7	3065.	97.847	.0	0.	106.368	.000	.4	11.	.366	.00	29.
9	1986		101.6	1626.	99.473	3.5	56.	106.424	.034	.4	7.	.373	.00	16.
10	1986		20.8	333.	99.806	46.3	741.	107.165	2.225	.1	1.	.374	.00	16.
11	1986	OP	58.1	872.	100.678	331.2	4968.	112.133	5.697	.3	4.	.378	.00	15.
12	1986	OP	57.4	861.	101.539	397.2	5958.	118.091	6.920	.2	3.	.381	.00	15.
Sub	1986		166.4	50255.		261.2	78877.		1.570	.5	156.		.00	332.
1	1987	OP	52.8	845.	102.384	288.8	4621.	122.712	5.469	.4	6.	.387	.01	16.
2	1987	P	49.6	793.	103.177	333.1	5330.	128.042	6.721	.3	4.	.391	.01	16.
3	1987	P	41.6	707.	103.884	251.8	4281.	132.323	6.055	.4	6.	.397	.01	17.
4	1987	P	40.7	692.	104.576	393.1	6682.	139.005	9.656	.4	7.	.404	.01	17.
5	1987	P	35.5	604.	105.180	321.9	5472.	144.477	9.060	.2	3.	.407	.00	17.
6	1987	P	18.7	561.	105.741	11.8	355.	144.832	.633	1.0	30.	.437	.05	30.
7	1987	P	28.0	839.	106.580	340.7	10220.	155.052	12.181	.7	22.	.459	.03	30.
8	1987	P	14.8	400.	106.980	304.6	8224.	163.276	20.560	1.0	27.	.486	.07	27.
9	1987	P	8.2	247.	107.227	303.7	9110.	172.386	36.883	1.0	30.	.516	.12	30.
10	1987	P	7.4	228.	107.455	34.8	1080.	173.466	4.737	1.0	31.	.547	.14	31.
Sub	1987		25.6	5916.		239.7	55375.		9.360	.7	166.		.03	231.

\* Per Producing Day

GAVILAN MANCIBS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, JANET 98 (88/NA) (21-28N-20) JANETS.MAL  
 OIL PRODUCTION



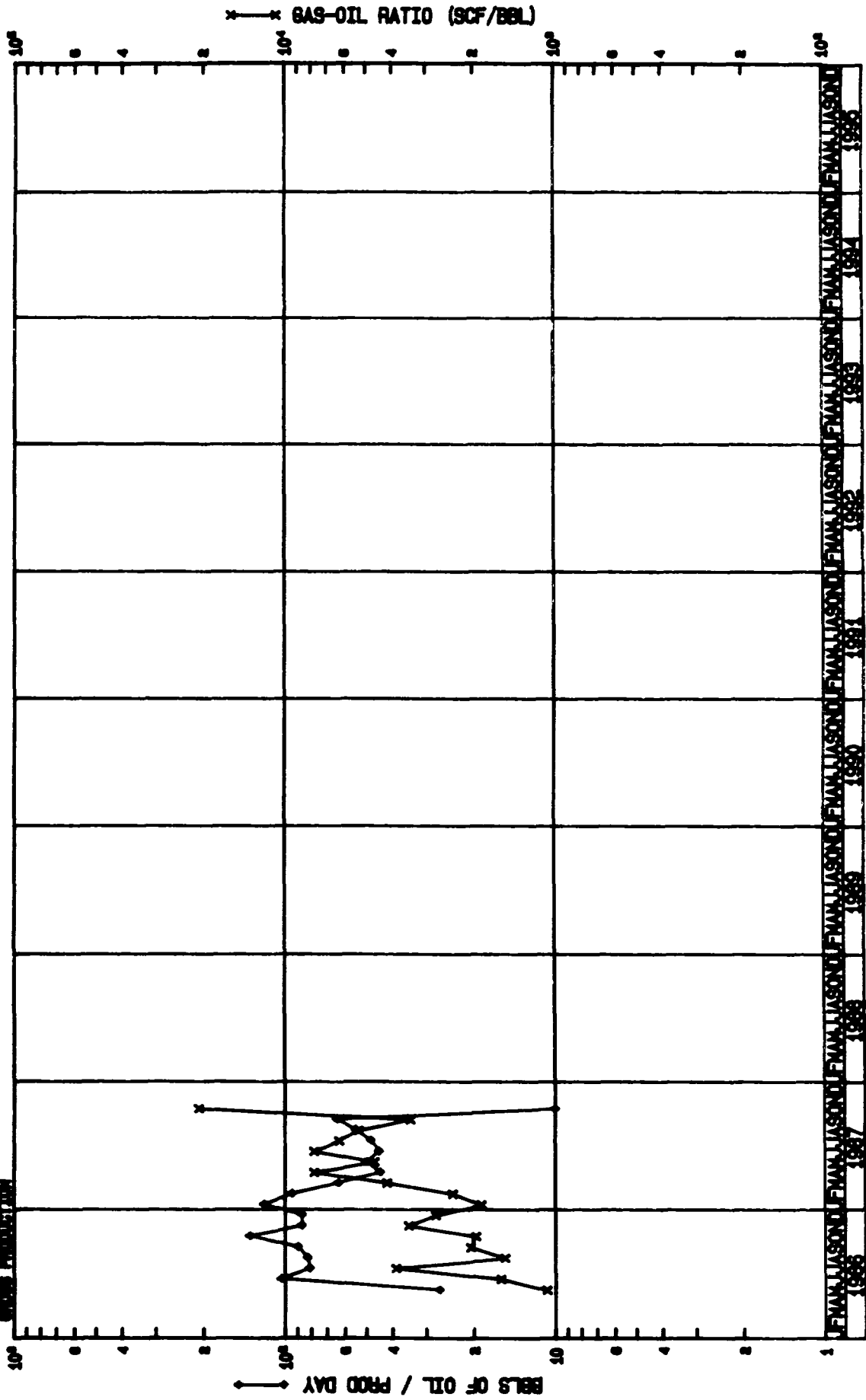
GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
 SUN EXPLORATION, JANET #3 (SW/NW(E) 21-25N-2W) JANET3.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
5	1986		135.0	135.	.135	.0	0.	.000	.000	.0	0.	.000	.00	1.
6	1986		77.8	1867.	2.002	44.4	1066.	1.066	.571	.8	20.	.020	.01	24.
7	1986		68.5	2124.	4.126	39.1	1213.	2.279	.571	.3	10.	.030	.00	31.
8	1986		68.1	2112.	6.238	38.9	1206.	3.485	.571	.3	10.	.040	.00	31.
9	1986		60.4	1811.	8.049	31.1	934.	4.419	.516	.3	10.	.050	.01	30.
10	1986		68.0	2108.	10.157	38.8	1204.	5.623	.571	.3	10.	.060	.00	31.
11	1986	OP	70.4	2113.	12.270	40.2	1207.	6.830	.571	.3	10.	.070	.00	30.
12	1986	OP	70.4	2181.	14.451	172.3	5340.	12.170	2.448	.3	10.	.080	.00	31.
Sub 1986			69.1	14451.		58.2	12170.		.842	.4	80.		.01	209.
1	1987	OP	67.3	2086.	16.537	59.2	1836.	14.006	.880	.3	10.	.090	.00	31.
2	1987	P	63.5	1080.	17.617	72.7	1236.	15.242	1.144	.1	2.	.092	.00	17.
3	1987	P	55.4	1164.	18.781	38.5	809.	16.051	.695	.1	3.	.095	.00	21.
4	1987	P	52.0	1559.	20.340	24.9	746.	16.797	.479	.3	10.	.105	.01	30.
5	1987	P	48.5	1503.	21.843	31.1	963.	17.760	.641	.2	5.	.110	.00	31.
6	1987	P	33.0	991.	22.834	40.2	1205.	18.965	1.216	.0	0.	.110	.00	30.
7	1987	P	40.5	1257.	24.091	.0	0.	18.965	.000	.0	0.	.110	.00	31.
8	1987	P	32.0	865.	24.956	34.8	939.	19.904	1.086	.0	0.	.110	.00	27.
9	1987	P	25.6	769.	25.725	38.9	1166.	21.070	1.516	.0	0.	.110	.00	30.
10	1987	P	20.0	620.	26.345	39.9	1236.	22.306	1.994	.0	0.	.110	.00	31.
Sub 1987			42.6	11894.		36.3	10136.		.852	.1	30.		.00	279.

\* Per Producing Day



GAYTLAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
 MESA GRANDE BEACAT #1 (SE 22-20N-2W) BRCA#1  
 OIL PRODUCTION

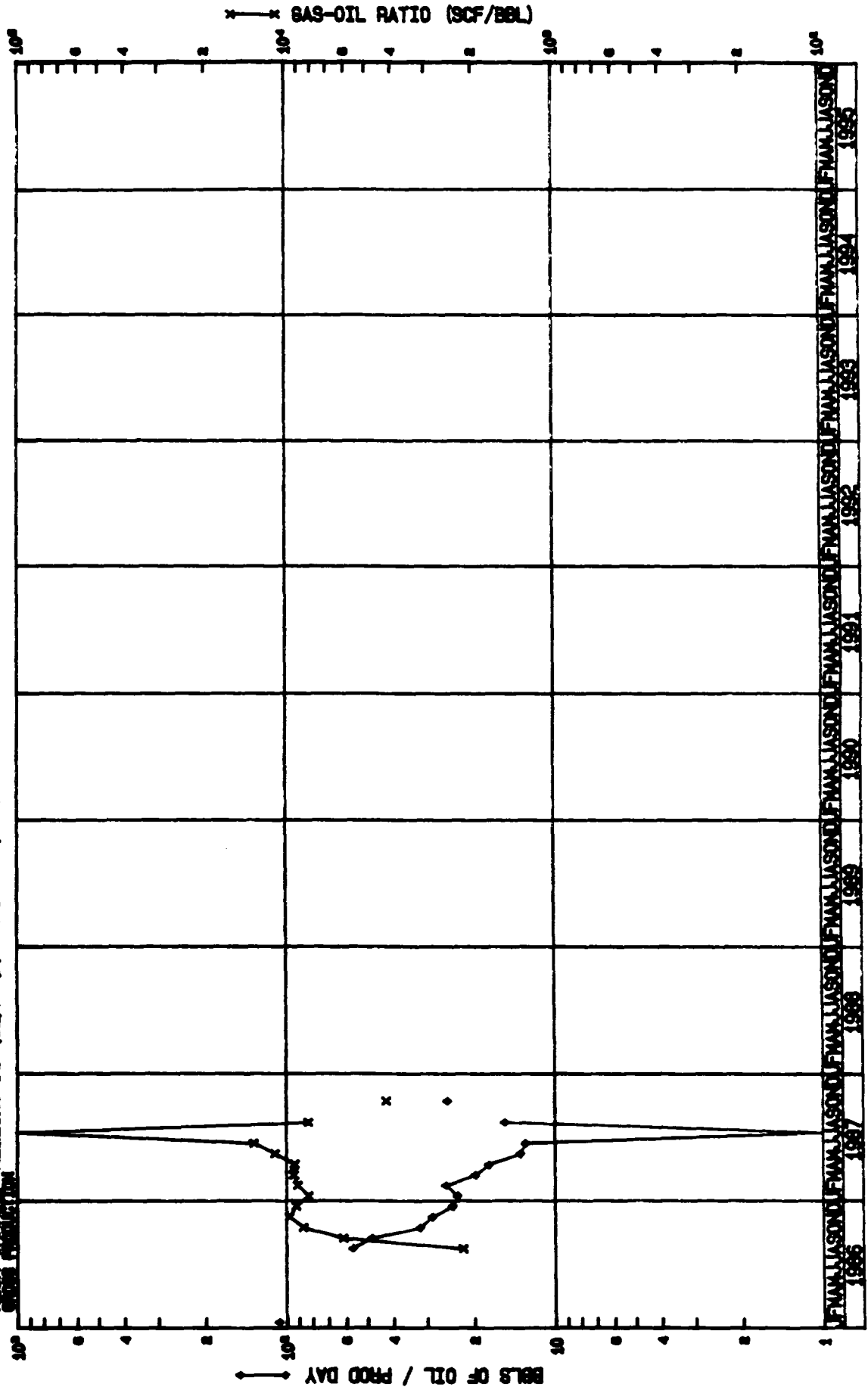


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MESA GRANDE, BEARCAT #1 (SE 22-25N-2W) BRCAT1

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
5	1986		26.9	215.	.215	28.8	230.	.230	1.070	.0	0.	.000	.00	8.
6	1986		103.2	2374.	2.589	163.0	3750.	3.980	1.580	.0	0.	.000	.00	23.
7	1986		81.0	891.	3.480	312.3	3435.	7.415	3.855	.0	0.	.000	.00	11.
8	1986		82.3	247.	3.727	125.3	376.	7.791	1.522	.0	0.	.000	.00	3.
9	1986		89.6	2330.	6.057	182.8	4754.	12.545	2.040	.0	0.	.000	.00	26.
10	1986		134.7	4042.	10.099	263.5	7906.	20.451	1.956	.0	1.	.001	.00	30.
11	1986	OP	86.7	2600.	12.699	300.8	9023.	29.474	3.470	.0	0.	.001	.00	30.
12	1986	OP	86.7	2340.	15.039	238.7	6444.	35.918	2.754	.0	0.	.001	.00	27.
Sub	1986		95.2	15039.		227.3	35918.		2.388	.0	1.		.00	158.
1	1987	OP	119.1	3336.	18.375	221.5	6203.	42.121	1.859	.0	0.	.001	.00	28.
2	1987	P	94.0	2537.	20.912	223.3	6029.	48.150	2.376	.0	0.	.001	.00	27.
3	1987	P	63.5	1968.	22.880	264.1	8187.	56.337	4.160	.0	0.	.001	.00	31.
4	1987	P	44.4	1199.	24.079	344.4	9300.	65.637	7.756	.0	0.	.001	.00	27.
5	1987	P	49.9	1348.	25.427	231.6	6252.	71.889	4.638	.0	0.	.001	.00	27.
6	1987	P	45.0	899.	26.326	349.1	6983.	78.872	7.768	.0	0.	.001	.00	20.
7	1987	P	47.9	1486.	27.812	300.1	9304.	88.176	6.261	.0	0.	.001	.00	31.
8	1987	P	54.5	1309.	29.121	289.0	6935.	95.111	5.298	.0	0.	.001	.00	24.
9	1987	P	64.0	128.	29.249	218.0	436.	95.547	3.406	.0	0.	.001	.00	2.
10	1987	P	10.0	20.	29.269	206.5	413.	95.960	20.650	.0	0.	.001	.00	2.
Sub	1987		65.0	14230.		274.2	60042.		4.219	.0	0.		.00	219.

\* Per Producing Day

SAYLAN MANDOS FIELD, RIO ARRIBA COUNTY, N.M.  
 WESA GRANDE HELICAT #1 (SE/NE 1/4 22-26N-2W) HELCAT.MAL  
 OIL PRODUCTION

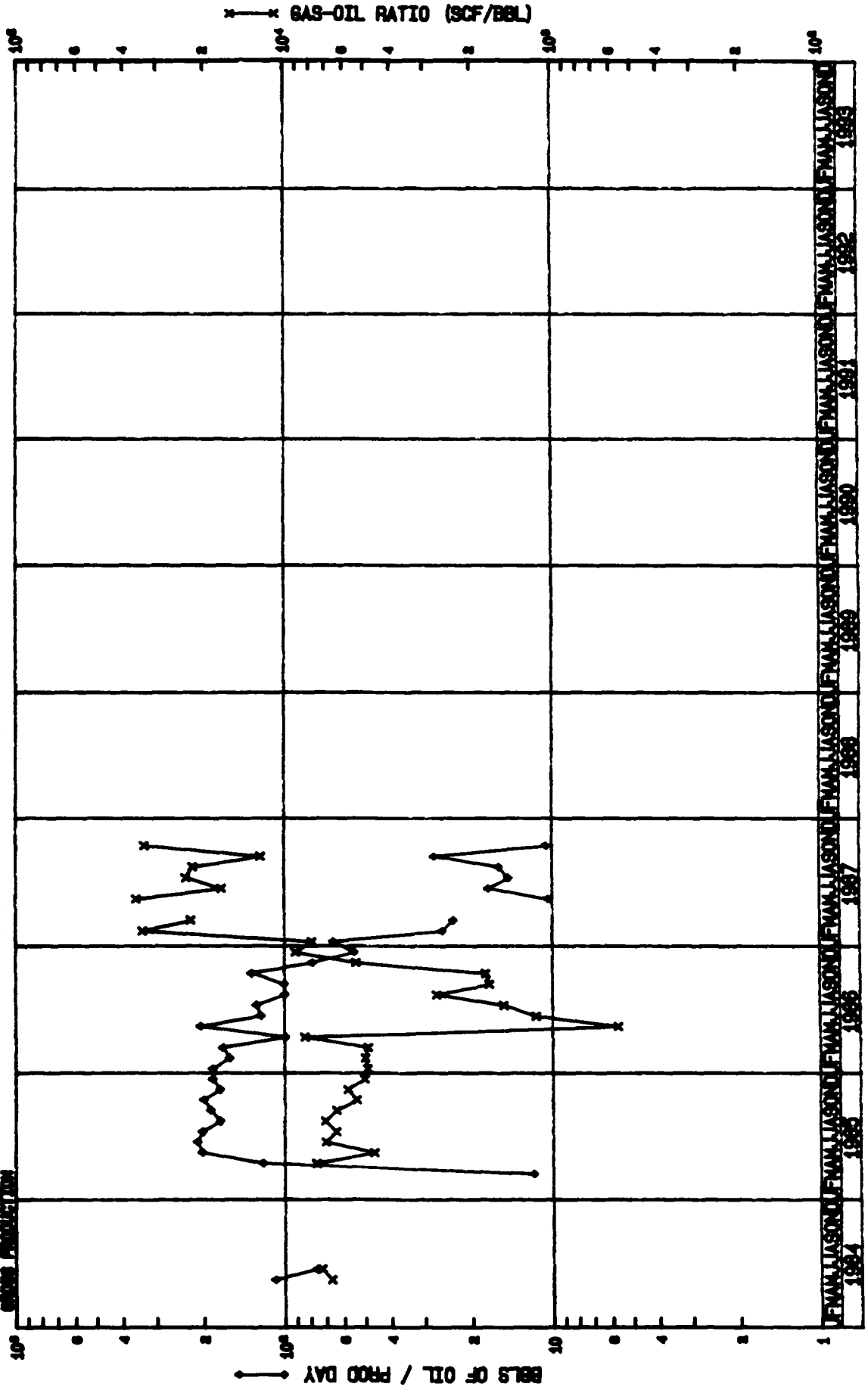


GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
 MESA GRANDE, HELLCAT #1 (SE/NW(F) 22-25N-2W) HELLCAT.MAL

Mo	Year	Stat	OIL/COND			GAS			WATER				Days Prod	
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB		WOR B/B
1	1986		106.6	533.	.533	.0	0.	.000	.000	.0	0.	.000	.00	5.
2	1986	SI	.0	0.	.533	.0	0.	.000	.000	.0	0.	.000	.00	0.
3	1986	SI	.0	0.	.533	.0	0.	.000	.000	.0	0.	.000	.00	0.
4	1986	SI	.0	0.	.533	.0	0.	.000	.000	.0	0.	.000	.00	0.
5	1986	SI	.0	0.	.533	.0	0.	.000	.000	.0	0.	.000	.00	0.
6	1986		.0	0.	.533	.0	0.	.000	.000	.0	0.	.000	.00	0.
7	1986		.0	0.	.533	.0	0.	.000	.000	.0	0.	.000	.00	0.
8	1986		56.5	226.	.759	123.5	494.	.494	2.186	.0	0.	.000	.00	4.
9	1986		47.9	1149.	1.908	291.7	7001.	7.495	6.093	.0	0.	.000	.00	24.
10	1986		31.7	825.	2.733	273.3	7105.	14.600	8.612	.0	0.	.000	.00	26.
11	1986	OP	28.6	716.	3.449	277.2	6930.	21.530	9.679	.0	0.	.000	.00	25.
12	1986	OP	24.0	719.	4.168	218.7	6560.	28.090	9.124	.0	0.	.000	.00	30.
Sub	1986		36.6	4168.		246.4	28090.		6.739	.0	0.		.00	114.
1	1987	OP	23.0	644.	4.812	189.3	5300.	33.390	8.230	.0	0.	.000	.00	28.
2	1987	P	25.4	432.	5.244	229.4	3900.	37.290	9.028	.0	0.	.000	.00	17.
3	1987	P	19.7	592.	5.836	183.8	5515.	42.805	9.316	.0	0.	.000	.00	30.
4	1987	P	17.6	527.	6.363	162.5	4874.	47.679	9.249	.0	0.	.000	.00	30.
5	1987	P	13.5	417.	6.780	147.5	4572.	52.251	10.964	.0	0.	.000	.00	31.
6	1987	P	12.9	257.	7.037	168.4	3368.	55.619	13.105	.0	0.	.000	.00	20.
7	1987	P	.5	1.	7.038	192.5	385.	56.004	385.000	.0	0.	.000	.00	2.
8	1987	P	15.3	368.	7.406	125.9	3022.	59.026	8.212	.0	0.	.000	.00	24.
9	1987	P	.0	0.	7.406	110.0	110.	59.136	.000	.0	0.	.000	.00	1.
10	1987	P	25.0	25.	7.431	105.0	105.	59.241	4.200	.0	0.	.000	.00	1.
Sub	1987		17.7	3263.		169.3	31151.		9.547	.0	0.		.00	184.

\* Per Producing Day

GAYLÁN MANCOS FIELD, RIO ARRIBA COUNTY, N. M.  
 NESSA GRANDE GAYLÁN HOWARD NO. 1 (BE/NA) (F) 29-28N-2W  
 GAYH1.MAL  
 OIL PRODUCTION

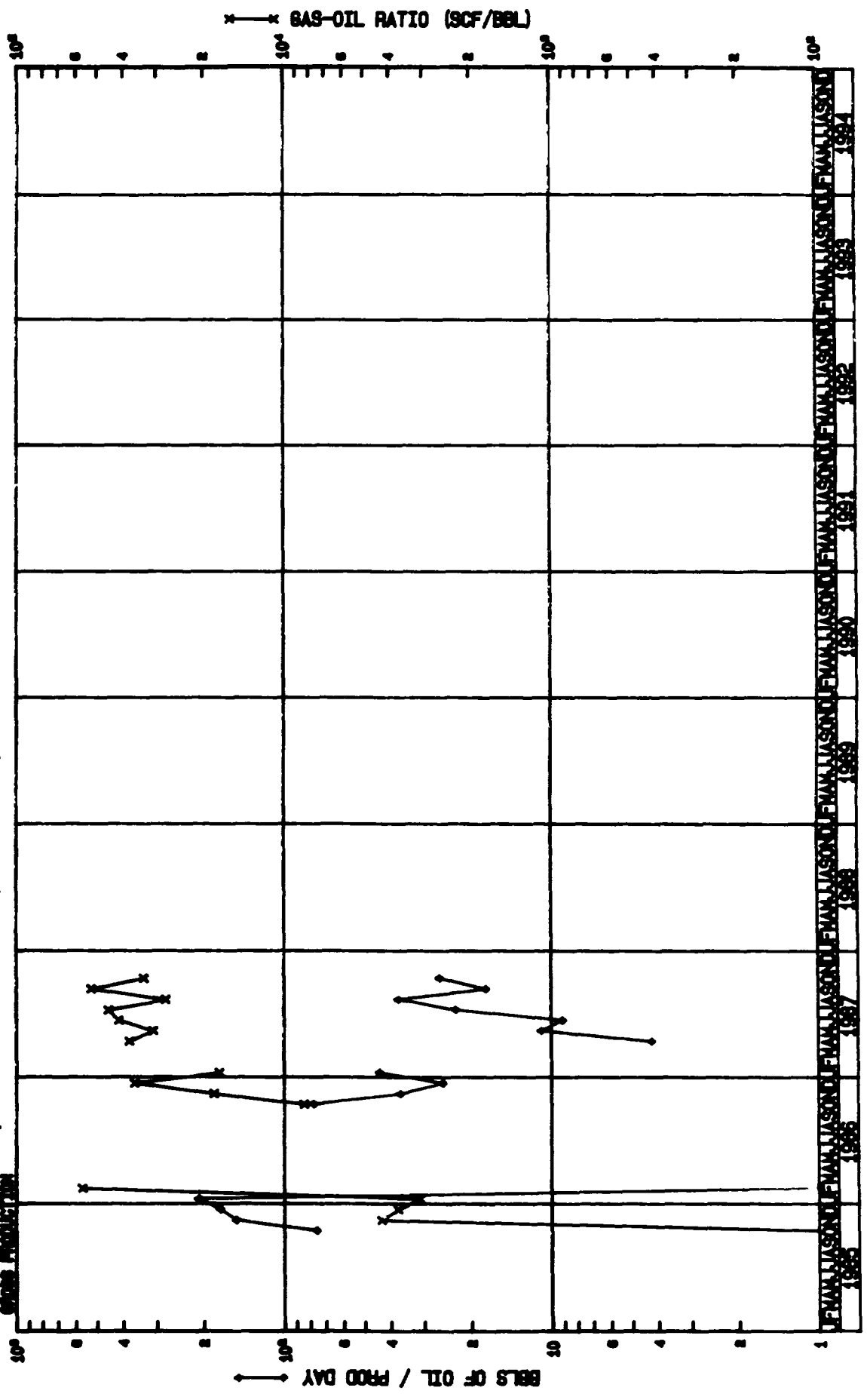


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
MESA GRANDE, GAVILAN HOWARD NO. 1 (SE/NW(F) 23-25N-2W) GAVH1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
5	1984		108.5	1845.	1.845	720.0	12240.	12.240	6.634	.0	0.	.000	.00	17.
6	1984		76.0	380.	2.225	550.0	2750.	14.990	7.237	.0	0.	.000	.00	5.
7	1984	SI	.0	0.	2.225	.0	0.	14.990	.000	.0	0.	.000	.00	0.
8	1984	SI	.0	0.	2.225	.0	0.	14.990	.000	.0	0.	.000	.00	0.
9	1984	SI	.0	0.	2.225	.0	0.	14.990	.000	.0	0.	.000	.00	0.
10	1984	SI	.0	0.	2.225	.0	0.	14.990	.000	.0	0.	.000	.00	0.
11	1984	SI	.0	0.	2.225	.0	0.	14.990	.000	.0	0.	.000	.00	0.
12	1984	SI	.0	0.	2.225	.0	0.	14.990	.000	.0	0.	.000	.00	0.
Sub 1984			101.1	2225.		681.4	14990.		6.737	.0	0.		.00	22.
1	1985	SI	.0	0.	2.225	.0	0.	14.990	.000	.0	0.	.000	.00	0.
2	1985	SI	.0	0.	2.225	.0	0.	14.990	.000	.0	0.	.000	.00	0.
3	1985		11.8	59.	2.284	.0	0.	14.990	.000	.4	2.	.002	.03	5.
4	1985		120.4	3611.	5.895	908.7	27260.	42.250	7.549	.0	0.	.002	.00	30.
5	1985		202.4	6273.	12.168	927.8	28763.	71.013	4.585	.0	0.	.002	.00	31.
6	1985		211.2	6337.	18.505	1471.4	44141.	115.154	6.966	.0	0.	.002	.00	30.
7	1985		201.6	6250.	24.755	1281.4	39724.	154.878	6.356	.0	0.	.002	.00	31.
8	1985		173.2	5369.	30.124	1210.1	37512.	192.390	6.987	.0	0.	.002	.00	31.
9	1985		188.2	4893.	35.017	1194.3	31052.	223.442	6.346	.0	0.	.002	.00	26.
10	1985		199.4	6182.	41.199	1062.4	32933.	256.375	5.327	.0	0.	.002	.00	31.
11	1985		173.5	4512.	45.711	997.0	25921.	282.296	5.745	.0	0.	.002	.00	26.
12	1985		185.0	5550.	51.261	921.5	27645.	309.941	4.981	.0	0.	.002	.00	30.
Sub 1985			180.9	49036.		1088.4	294951.		6.015	.0	2.		.00	271.
1	1986		184.6	5724.	56.985	894.8	27739.	337.680	4.846	.0	0.	.002	.00	31.
2	1986		159.7	4472.	61.457	790.1	22122.	359.802	4.947	.0	0.	.002	.00	28.
3	1986		169.4	4912.	66.369	819.1	23754.	383.556	4.836	.0	0.	.002	.00	29.
4	1986		99.0	2870.	69.239	822.7	23859.	407.415	8.313	.0	0.	.002	.00	29.
5	1986		204.8	2048.	71.287	115.5	1155.	408.570	.564	.0	0.	.002	.00	10.
6	1986		122.2	3665.	74.952	139.7	4191.	412.761	1.144	.0	0.	.002	.00	30.
7	1986		126.8	3931.	78.883	190.9	5919.	418.680	1.506	.0	0.	.002	.00	31.
8	1986		99.3	2582.	81.465	266.2	6920.	425.600	2.680	.0	0.	.002	.00	26.
9	1986		100.2	2605.	84.070	170.9	4443.	430.043	1.706	.0	0.	.002	.00	26.
10	1986		132.3	3441.	87.511	232.9	6055.	436.098	1.760	.0	0.	.002	.00	26.
11	1986	OF	78.5	1963.	89.474	420.2	10505.	446.603	5.352	.0	0.	.002	.00	25.
12	1986	OF	54.8	987.	90.461	494.4	8899.	455.502	9.016	.0	0.	.002	.00	18.
Sub 1986			126.9	39200.		471.1	145561.		3.713	.0	0.		.00	309.
1	1987	OF	65.6	787.	91.248	512.2	6146.	461.648	7.809	.0	0.	.002	.00	12.
2	1987	F	25.7	180.	91.428	859.7	6018.	467.666	33.433	.0	0.	.002	.00	7.
3	1987	F	23.4	725.	92.153	517.2	16033.	483.699	22.114	.0	0.	.002	.00	31.
4	1987	SI	.0	0.	92.153	.0	0.	483.699	.000	.0	0.	.002	.00	0.
5	1987	F	10.3	238.	92.391	365.7	8412.	492.111	35.345	.0	0.	.002	.00	23.
6	1987	F	17.3	467.	92.858	294.2	7944.	500.055	17.011	.0	0.	.002	.00	27.
7	1987	F	14.5	451.	93.309	335.2	10390.	510.445	23.038	.0	0.	.002	.00	31.
8	1987	F	15.8	426.	93.735	342.7	9252.	519.697	21.718	1.7	46.	.048	.11	27.
9	1987	F	27.5	55.	93.790	334.5	669.	520.366	12.164	.0	0.	.048	.00	2.
10	1987	F	10.5	21.	93.811	346.0	692.	521.058	32.952	.0	0.	.048	.00	2.
Sub 1987			20.7	3350.		404.7	65556.		19.569	.3	46.		.01	162.

\* Per Producing Day

SAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SOUTH AND ROYALTY, HILL FED. #1 ONE/4M (C) 24-28N-2W HILLFD1.MAL



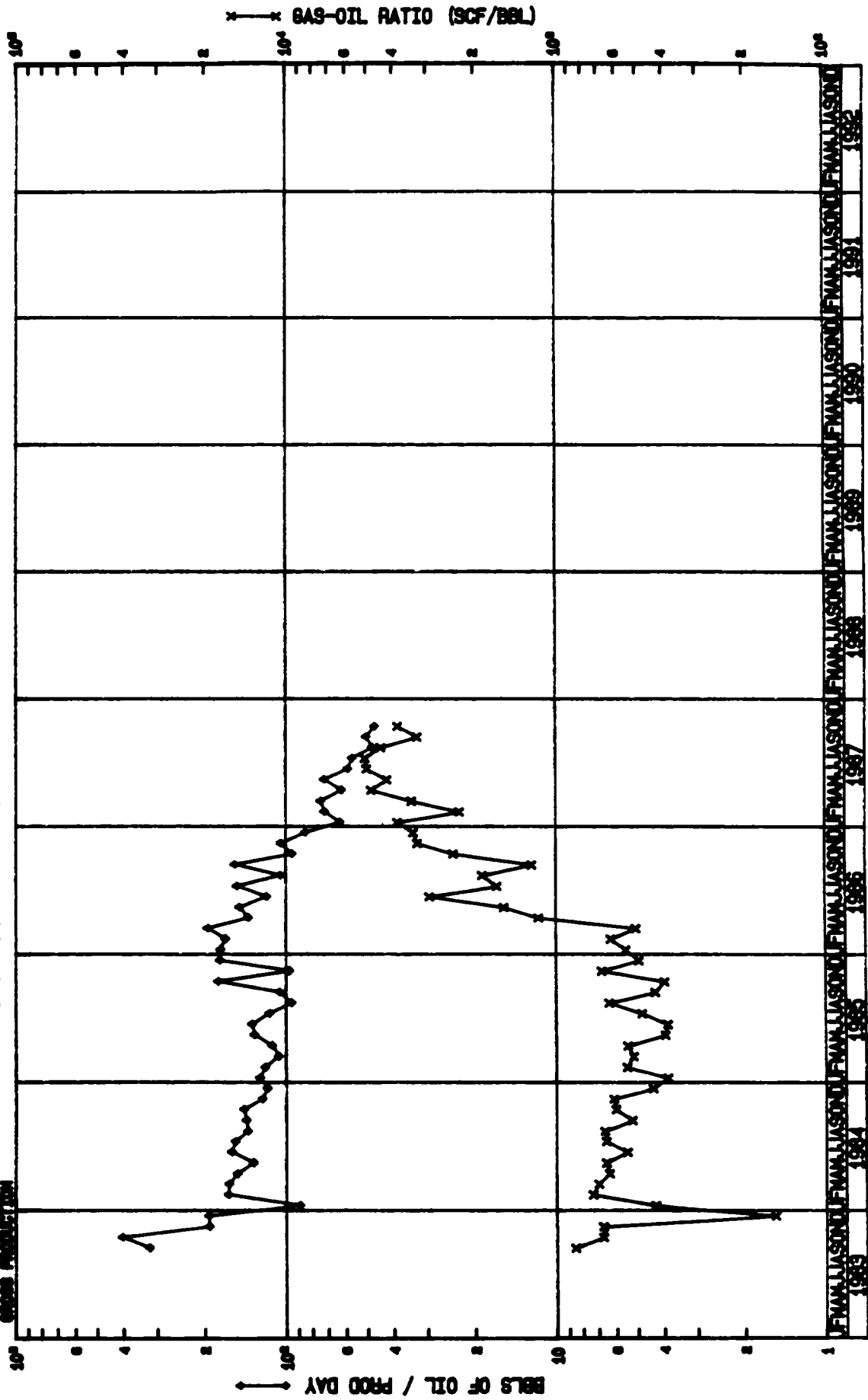
GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SOUTHLAND ROYALTY, HILL FED. #1 (NE/NW(C) 24-25N-2W) HILFD1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
10	1985		75.6	1210.	1.210	5.2	83.	.083	.069	15.4	246.	.246	.20	16.
11	1985		150.9	2867.	4.077	645.8	12270.	12.353	4.280	5.7	108.	.354	.04	19.
12	1985		173.5	694.	4.771	645.8	2583.	14.936	3.722	2.5	10.	.364	.01	4.
Sub 1985			122.3	4771.		383.0	14936.		3.131	9.3	364.		.08	39.
1	1986		209.0	209.	4.980	646.0	646.	15.582	3.091	2.0	2.	.366	.01	1.
2	1986		.3	6.	4.986	14.0	337.	15.919	56.167	2.1	50.	.416	8.33	24.
3	1986	SI	.0	0.	4.986	.0	0.	15.919	.000	.0	0.	.416	.00	0.
4	1986	SI	.0	0.	4.986	.0	0.	15.919	.000	.0	0.	.416	.00	0.
5	1986	SI	.0	0.	4.986	.0	0.	15.919	.000	.0	0.	.416	.00	0.
6	1986	SI	.0	0.	4.986	.0	0.	15.919	.000	.0	0.	.416	.00	0.
7	1986	SI	.0	0.	4.986	.0	0.	15.919	.000	.0	0.	.416	.00	0.
8	1986	SI	.0	0.	4.986	.0	0.	15.919	.000	.0	0.	.416	.00	0.
9	1986	SI	.0	0.	4.986	.0	0.	15.919	.000	.0	0.	.416	.00	0.
10	1986		77.4	542.	5.528	646.0	4522.	20.441	8.343	.4	3.	.419	.01	7.
11	1986	OF	36.7	1102.	6.630	664.2	19927.	40.368	18.083	.4	12.	.431	.01	30.
12	1986	OF	25.5	612.	7.242	916.0	21984.	62.352	35.922	.4	10.	.441	.02	24.
Sub 1986			28.7	2471.		551.3	47416.		19.189	.9	77.		.03	86.
1	1987	OF	44.0	44.	7.286	761.0	761.	63.113	17.295	4.0	4.	.445	.09	1.
2	1987	F	.0	0.	7.286	1527.0	1527.	64.640	.000	4.0	4.	.449	.00	1.
3	1987	SI	.0	0.	7.286	.0	0.	64.640	.000	.0	0.	.449	.00	0.
4	1987	F	4.2	59.	7.345	158.1	2214.	66.854	37.525	4.0	56.	.505	.95	14.
5	1987	F	10.9	316.	7.661	333.8	9679.	76.533	30.630	4.0	116.	.621	.37	29.
6	1987		9.1	209.	7.870	373.7	8595.	85.128	41.124	4.0	92.	.713	.44	23.
7	1987	F	22.8	683.	8.553	1020.9	30626.	115.754	44.840	4.0	120.	.833	.18	30.
8	1987	F	37.3	634.	9.187	1024.3	17413.	133.167	27.465	4.0	68.	.901	.11	17.
9	1987	F	17.6	528.	9.715	915.7	27471.	160.638	52.028	4.0	120.	1.021	.23	30.
10	1987	F	26.2	340.	10.055	865.7	11254.	171.892	33.100	4.0	52.	1.073	.15	13.
Sub 1987			17.8	2813.		693.3	109540.		38.941	4.0	632.		.22	158.

\* Per Producing Day



GAYLTON MANCOS FIELD, RIO ARriba COUNTY, N.M.  
 MESA GRANDE RUCKER LAKE #2 (NE/8N 00) 24-28N-20 RUKK2.MAL  
 OIL PRODUCTION

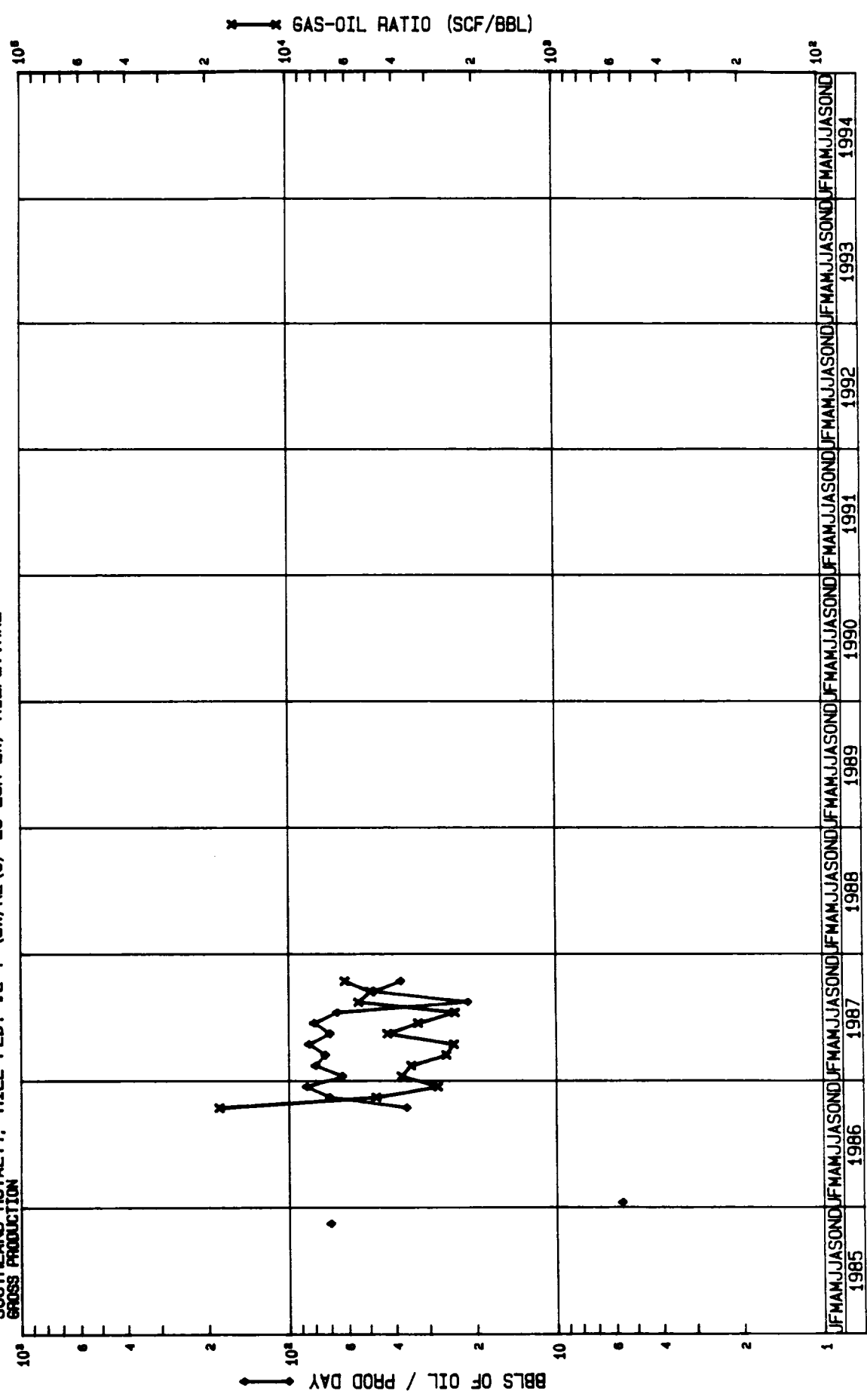


GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
MESA GRANDE, RUCKER LAKE #2 (NE/SW(K) 24-25N-2W) RUKLK2.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
9	1983		320.4	1602.	1.602	271.6	1358.	1.358	.848	.0	0.	.000	.00	5.
10	1983		403.3	4839.	6.441	269.3	3231.	4.589	.668	.0	0.	.000	.00	12.
11	1983		192.8	3470.	9.911	128.7	2317.	6.906	.668	.0	0.	.000	.00	18.
12	1983		193.7	1162.	11.073	29.7	178.	7.084	.153	.0	0.	.000	.00	6.
Sub	1983		270.1	11073.		172.8	7084.		.640	.0	0.		.00	41.
1	1984		88.9	2756.	13.829	37.9	1175.	8.259	.426	.0	0.	.000	.00	31.
2	1984		163.9	4752.	18.581	119.4	3464.	11.723	.729	.0	0.	.000	.00	29.
3	1984		162.7	5044.	23.625	112.7	3495.	15.218	.693	.0	0.	.000	.00	31.
4	1984		151.6	4547.	28.172	95.9	2876.	18.094	.633	.0	0.	.000	.00	30.
5	1984		132.3	4101.	32.273	85.8	2661.	20.755	.649	.0	0.	.000	.00	31.
6	1984		159.3	4778.	37.051	86.4	2591.	23.346	.542	.0	0.	.000	.00	30.
7	1984		154.1	4776.	41.827	100.1	3103.	26.449	.650	.0	0.	.000	.00	31.
8	1984		138.6	4298.	46.125	91.1	2824.	29.273	.657	.0	0.	.000	.00	31.
9	1984		140.3	4208.	50.333	72.9	2187.	31.460	.520	.0	0.	.000	.00	30.
10	1984		143.1	4150.	54.483	85.4	2477.	33.937	.597	.0	0.	.000	.00	29.
11	1984		122.2	3667.	58.150	74.4	2233.	36.170	.609	.0	0.	.000	.00	30.
12	1984		117.2	3633.	61.783	50.8	1576.	37.746	.434	.0	0.	.000	.00	31.
Sub	1984		139.3	50710.		84.2	30662.		.605	.0	0.		.00	364.
1	1985		124.9	3871.	65.654	47.8	1481.	39.227	.383	.0	0.	.000	.00	31.
2	1985		119.5	3346.	69.000	64.9	1816.	41.043	.543	.0	0.	.000	.00	28.
3	1985		106.4	3299.	72.299	54.6	1693.	42.736	.513	.0	0.	.000	.00	31.
4	1985		112.5	3375.	75.674	60.7	1820.	44.556	.539	.0	0.	.000	.00	30.
5	1985		130.8	4056.	79.730	51.1	1584.	46.140	.391	.0	0.	.000	.00	31.
6	1985		133.6	4007.	83.737	51.1	1533.	47.673	.383	.0	0.	.000	.00	30.
7	1985		115.2	3570.	87.307	54.9	1701.	49.374	.476	.0	0.	.000	.00	31.
8	1985		95.5	1814.	89.121	60.2	1144.	50.518	.631	.0	0.	.000	.00	19.
9	1985		105.8	1904.	91.025	45.0	810.	51.328	.425	.0	0.	.000	.00	18.
10	1985		178.6	1250.	92.275	70.1	491.	51.819	.393	.0	0.	.000	.00	7.
11	1985		97.1	2524.	94.799	65.3	1697.	53.516	.672	.0	0.	.000	.00	26.
12	1985		176.0	5456.	100.255	86.0	2667.	56.183	.489	.0	0.	.000	.00	31.
Sub	1985		122.9	38472.		58.9	18437.		.479	.0	0.		.00	313.
1	1986		174.8	5418.	105.673	95.6	2963.	59.146	.547	.0	0.	.000	.00	31.
2	1986		167.6	4693.	110.366	104.3	2920.	62.066	.622	.0	0.	.000	.00	28.
3	1986		194.7	5647.	116.013	97.8	2835.	64.901	.502	.0	0.	.000	.00	29.
4	1986		138.0	4002.	120.015	158.8	4604.	69.505	1.150	.0	0.	.000	.00	29.
5	1986		148.7	3717.	123.732	229.9	5748.	75.253	1.546	.0	0.	.000	.00	25.
6	1986		118.0	3539.	127.271	344.1	10322.	85.575	2.917	.0	0.	.000	.00	30.
7	1986		152.0	4713.	131.984	249.6	7738.	93.313	1.642	.0	0.	.000	.00	31.
8	1986		104.9	3251.	135.235	195.1	6047.	99.360	1.860	1.0	31.	.031	.01	0.
9	1986		154.7	4022.	139.257	188.4	4898.	104.258	1.218	.0	0.	.031	.00	26.
10	1986		94.9	2751.	142.008	225.5	6540.	110.798	2.377	.0	0.	.031	.00	29.
11	1986	OP	104.3	2921.	144.929	336.8	9431.	120.229	3.229	.0	0.	.031	.00	28.
12	1986	OP	84.6	2623.	147.552	282.5	8757.	128.986	3.339	.0	0.	.031	.00	31.
Sub	1986		149.2	47297.		229.7	72803.		1.539	.1	31.		.00	317.
1	1987	OP	62.9	1949.	149.501	240.4	7453.	136.439	3.824	.0	0.	.031	.00	31.
2	1987	P	71.8	1651.	151.152	161.7	3720.	140.159	2.253	.0	0.	.031	.00	23.
3	1987	P	74.1	2297.	153.449	250.9	7779.	147.938	3.387	.0	0.	.031	.00	31.
4	1987	P	62.0	1861.	155.310	296.8	8904.	156.842	4.785	.0	0.	.031	.00	30.
5	1987	P	72.0	1945.	157.255	301.1	8130.	164.972	4.180	.0	0.	.031	.00	27.
6	1987	P	58.8	1471.	158.726	292.6	7314.	172.286	4.972	.0	0.	.031	.00	25.
7	1987	P	56.6	1756.	160.482	285.7	8857.	181.143	5.044	.0	0.	.031	.00	31.
8	1987	P	47.7	1241.	161.723	210.2	5465.	186.608	4.404	.0	0.	.031	.00	26.
9	1987	P	50.2	1457.	163.180	162.2	4705.	191.313	3.229	.0	0.	.031	.00	29.
10	1987	P	46.7	1448.	164.628	178.1	5520.	196.833	3.812	.0	0.	.031	.00	31.
Sub	1987		60.1	17076.		238.9	67847.		3.973	.0	0.		.00	284.

\* Per Producing Day

GAVILAN MANCOS, RIO ARriba COUNTY, N.M.  
 SOUTHLAND ROYALTY, HILL FED. #2-Y (SW/NE (6) 25-25N-2W) HILF2Y.MAL  
 GROSS PRODUCTION

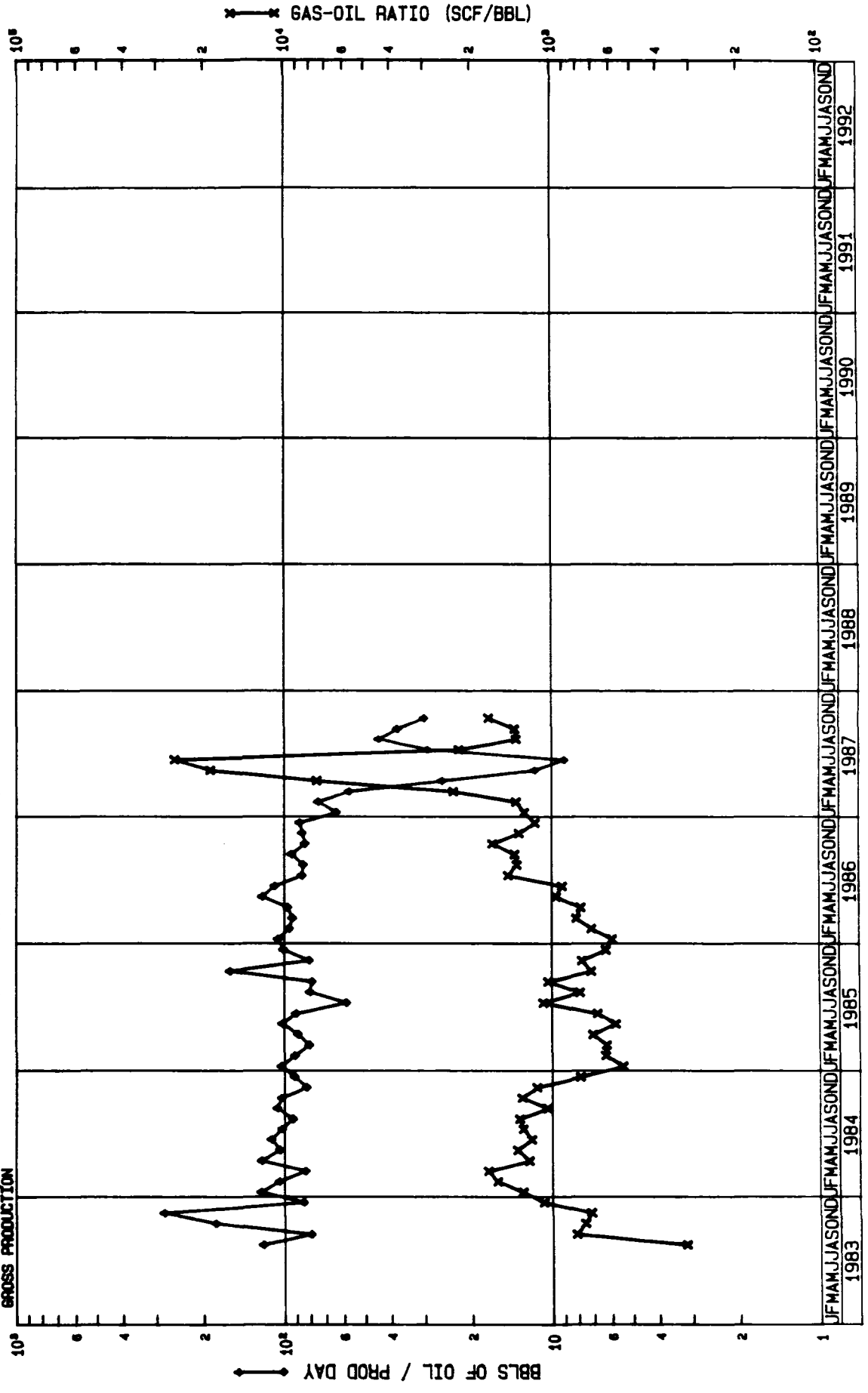


GAVILAN MANCOS, RIO ARRIBA COUNTY, N.M.  
 SOUTHLAND ROYALTY, HILL FED. #2-Y (SW/NE(G) 25-25N-2W) HILF2Y.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER			Days Prod	
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB		WOR B/B
11	1985		70.0	210.	.210	.0	0.	.000	.000	.0	0.	.000	.00	3.
12	1985	SI	.0	0.	.210	.0	0.	.000	.000	.0	0.	.000	.00	0.
Sub 1985			70.0	210.		.0	0.		.000	.0	0.	.00		3.
1	1986		5.7	176.	.386	.1	4.	.004	.023	.2	5.	.005	.03	0.
2	1986	SI	.0	0.	.386	.0	0.	.004	.000	.0	0.	.005	.00	0.
3	1986	SI	.0	0.	.386	.0	0.	.004	.000	.0	0.	.005	.00	0.
4	1986	SI	.0	0.	.386	.0	0.	.004	.000	.0	0.	.005	.00	0.
5	1986	SI	.0	0.	.386	.0	0.	.004	.000	.0	0.	.005	.00	0.
6	1986	SI	.0	0.	.386	.0	0.	.004	.000	.0	0.	.005	.00	0.
7	1986	SI	.0	0.	.386	.0	0.	.004	.000	.0	0.	.005	.00	0.
8	1986	SI	.0	0.	.386	.0	0.	.004	.000	.0	0.	.005	.00	0.
9	1986	SI	.0	0.	.386	.0	0.	.004	.000	.0	0.	.005	.00	0.
10	1986		36.4	400.	.786	658.8	7247.	7.251	18.118	.2	2.	.007	.00	11.
11	1986	OF	70.5	1550.	2.336	330.6	7274.	14.525	4.693	.2	4.	.011	.00	22.
12	1986	OF	85.7	2229.	4.565	237.0	6163.	20.688	2.765	.2	5.	.016	.00	26.
Sub 1986			73.8	4355.		350.6	20688.		4.750	.3	16.		.00	59.
1	1987	OF	63.0	1638.	6.203	237.6	6177.	26.865	3.771	2.0	52.	.068	.03	26.
2	1987	F	79.3	1507.	7.710	275.5	5234.	32.099	3.473	2.0	38.	.106	.03	19.
3	1987	F	73.0	2263.	9.973	187.4	5810.	37.909	2.567	2.0	62.	.168	.03	31.
4	1987	F	84.0	2519.	12.492	202.0	6059.	43.968	2.405	2.0	60.	.228	.02	30.
5	1987	F	70.1	2104.	14.596	298.4	8953.	52.921	4.255	2.1	64.	.292	.03	30.
6	1987	F	80.2	2327.	16.923	262.0	7599.	60.520	3.266	2.0	58.	.350	.02	29.
7	1987	F	65.8	1447.	18.370	156.6	3445.	63.965	2.381	2.0	44.	.394	.03	22.
8	1987	F	21.4	664.	19.034	116.9	3625.	67.590	5.459	2.0	62.	.456	.09	31.
9	1987	F	47.9	1438.	20.472	235.6	7068.	74.658	4.915	2.0	60.	.516	.04	30.
10	1987	F	38.1	1180.	21.652	233.4	7234.	81.892	6.131	2.0	62.	.578	.05	31.
Sub 1987			61.2	17087.		219.4	61204.		3.582	2.0	562.		.03	279.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MESA GRANDE, RUCKER LAKE #3 (NW/SH (L) 25-25N-2W) RUKLK3.MAL  
 GROSS PRODUCTION

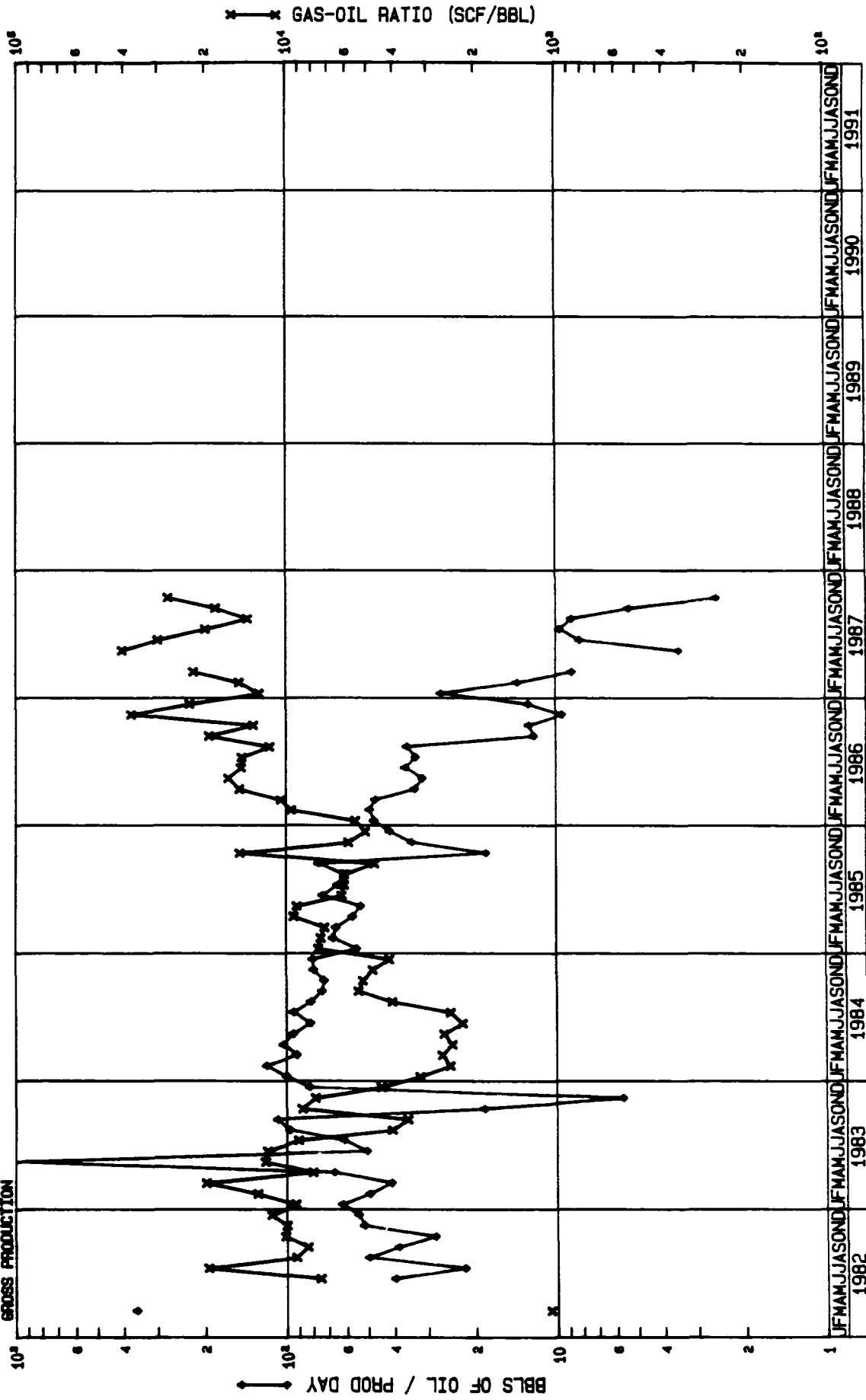


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
MESA GRANDE, RUCKER LAKE #3 (NW/SW(L) 25-25N-2W) RUKLK3.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
8	1983		120.4	1685.	1.685	37.9	530.	.530	.315	.0	0.	.000	.00	14.
9	1983		79.8	1117.	2.802	64.6	904.	1.434	.809	.0	0.	.000	.00	14.
10	1983		181.1	2535.	5.337	135.9	1903.	3.337	.751	.0	0.	.000	.00	14.
11	1983		281.0	2529.	7.866	200.2	1802.	5.139	.713	.0	0.	.000	.00	9.
12	1983		85.0	2634.	10.500	90.9	2817.	7.956	1.069	.0	0.	.000	.00	31.
Sub	1983		128.0	10500.		97.0	7956.		.758	.0	0.		.00	82.
1	1984		122.4	3795.	14.295	156.8	4860.	12.816	1.281	.0	0.	.000	.00	31.
2	1984		104.7	3036.	17.331	167.0	4843.	17.659	1.595	.0	0.	.000	.00	29.
3	1984		83.7	2594.	19.925	144.5	4479.	22.138	1.727	.0	0.	.000	.00	31.
4	1984		121.8	3655.	23.580	147.7	4432.	26.570	1.213	.0	0.	.000	.00	30.
5	1984		104.2	3229.	26.809	139.7	4332.	30.902	1.342	.0	0.	.000	.00	31.
6	1984		112.1	3362.	30.171	133.2	3997.	34.899	1.189	.0	0.	.000	.00	30.
7	1984		102.3	3171.	33.342	130.8	4056.	38.955	1.279	.0	0.	.000	.00	31.
8	1984		93.1	2887.	36.229	122.9	3811.	42.766	1.320	.0	0.	.000	.00	31.
9	1984		106.6	3199.	39.428	110.6	3317.	46.083	1.037	.0	0.	.000	.00	30.
10	1984		102.6	2976.	42.404	132.6	3844.	49.927	1.292	.0	0.	.000	.00	29.
11	1984		82.8	2484.	44.888	94.1	2822.	52.749	1.136	.0	0.	.000	.00	30.
12	1984		91.8	2754.	47.642	71.6	2149.	54.898	.780	.0	0.	.000	.00	30.
Sub	1984		102.3	37142.		129.3	46942.		1.264	.0	0.		.00	363.
1	1985		102.7	3082.	50.724	55.5	1665.	56.563	.540	.0	0.	.000	.00	30.
2	1985		91.5	2563.	53.287	57.4	1608.	58.171	.627	.0	0.	.000	.00	28.
3	1985		80.6	2498.	55.785	50.0	1550.	59.721	.620	.0	0.	.000	.00	31.
4	1985		88.9	2667.	58.452	62.1	1863.	61.584	.699	.0	0.	.000	.00	30.
5	1985		101.8	3156.	61.608	58.4	1811.	63.395	.574	.0	0.	.000	.00	31.
6	1985		90.3	2708.	64.316	60.5	1816.	65.211	.671	.0	0.	.000	.00	30.
7	1985		58.7	1820.	66.136	62.9	1951.	67.162	1.072	.0	0.	.000	.00	31.
8	1985		80.3	1526.	67.662	62.7	1192.	68.354	.781	.0	0.	.000	.00	19.
9	1985		79.0	948.	68.610	81.1	973.	69.327	1.026	.0	0.	.000	.00	12.
10	1985		159.6	1117.	69.727	113.1	792.	70.119	.709	.0	0.	.000	.00	7.
11	1985		80.9	2426.	72.153	62.1	1864.	71.983	.768	.1	3.	.003	.00	30.
12	1985		101.0	3131.	75.284	63.0	1954.	73.937	.624	.0	0.	.003	.00	31.
Sub	1985		89.2	27642.		61.4	19039.		.689	.0	3.		.00	310.
1	1986		105.7	3277.	78.561	62.5	1939.	75.876	.592	.0	0.	.003	.00	31.
2	1986		95.9	2685.	81.246	67.8	1898.	77.774	.707	.0	0.	.003	.00	28.
3	1986		93.2	2888.	84.134	75.1	2327.	80.101	.806	.0	0.	.003	.00	31.
4	1986		97.3	2237.	86.371	75.4	1735.	81.836	.776	.1	3.	.006	.00	23.
5	1986		121.1	3753.	90.124	116.1	3600.	85.436	.959	.1	3.	.009	.00	31.
6	1986		108.7	3261.	93.385	98.9	2967.	88.403	.910	.0	0.	.009	.00	30.
7	1986		85.8	2661.	96.046	124.3	3852.	92.255	1.448	.0	0.	.009	.00	31.
8	1986		85.1	2637.	98.683	114.3	3543.	95.798	1.344	.0	0.	.009	.00	31.
9	1986		93.9	2348.	101.031	128.5	3212.	99.010	1.368	.0	0.	.009	.00	25.
10	1986		83.8	2513.	103.544	139.0	4169.	103.179	1.659	.1	2.	.011	.00	30.
11	1986	OP	85.8	2573.	106.117	113.1	3392.	106.571	1.318	.1	3.	.014	.00	30.
12	1986	OP	87.7	2720.	108.837	100.7	3121.	109.692	1.147	.0	0.	.014	.00	31.
Sub	1986		95.3	33553.		101.6	35755.		1.066	.0	11.		.00	352.
1	1987	OP	63.9	1981.	110.818	80.3	2490.	112.182	1.257	.0	0.	.014	.00	31.
2	1987	P	74.7	1868.	112.686	100.8	2519.	114.701	1.349	.0	0.	.014	.00	25.
3	1987	P	57.3	1605.	114.291	132.9	3722.	118.423	2.319	.0	0.	.014	.00	28.
4	1987	P	25.8	773.	115.064	193.5	5805.	124.228	7.510	.0	0.	.014	.00	30.
5	1987	P	11.6	359.	115.423	217.5	6741.	130.969	18.777	.0	0.	.014	.00	31.
6	1987	P	9.0	90.	115.513	229.6	2296.	133.265	25.511	.0	0.	.014	.00	10.
7	1987	P	29.2	905.	116.418	64.6	2002.	135.267	2.212	.0	0.	.014	.00	31.
8	1987	P	44.4	1199.	117.617	60.0	1621.	136.888	1.352	.0	0.	.014	.00	27.
9	1987	P	37.8	1095.	118.712	51.6	1495.	138.383	1.365	.0	0.	.014	.00	29.
10	1987	P	29.9	927.	119.639	51.0	1580.	139.963	1.704	.0	0.	.014	.00	31.
Sub	1987		39.6	10802.		110.9	30271.		2.802	.0	0.		.00	273.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MESA GRANDE, GAVILAN FEDERAL 1 (NE/NE (A) 26-25N-2W) 6AV1.MAL  
 GROSS PRODUCTION



GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
MESA GRANDE, GAVILAN FEDERAL 1 (NE/NE(A) 26-25N-2W) GAVI.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
3	1982		359.7	1079.	1.079	378.3	1135.	1.135	1.052	.0	0.	.000	.00	3.
4	1982	SI	.0	0.	1.079	.0	0.	1.135	.000	.0	0.	.000	.00	0.
5	1982		.0	0.	1.079	.0	0.	1.135	.000	.0	0.	.000	.00	0.
6	1982		39.9	1197.	2.276	298.3	8950.	10.085	7.477	1.9	56.	.056	.05	30.
7	1982		22.1	531.	2.807	428.9	10293.	20.378	19.384	.1	3.	.059	.01	24.
8	1982		49.9	898.	3.705	458.3	8249.	28.627	9.186	.7	13.	.072	.01	18.
9	1982		38.8	971.	4.676	324.6	8116.	36.743	8.358	.9	23.	.095	.02	25.
10	1982		28.4	879.	5.555	285.4	8847.	45.590	10.065	1.0	31.	.126	.04	31.
11	1982		51.9	778.	6.333	515.5	7733.	53.323	9.940	.2	3.	.129	.00	15.
12	1982		54.4	761.	7.094	614.7	8606.	61.929	11.309	.0	0.	.129	.00	14.
Sub	1982		44.3	7094.		387.1	61929.		8.730	.8	129.		.02	160.
1	1983		62.5	1563.	8.657	576.3	14408.	76.337	9.218	.1	3.	.132	.00	25.
2	1983		49.5	989.	9.646	629.5	12591.	88.928	12.731	.0	0.	.132	.00	20.
3	1983		41.2	206.	9.852	812.2	4061.	92.989	19.714	.0	0.	.132	.00	5.
4	1983		67.1	1073.	10.925	534.5	8552.	101.541	7.970	.1	2.	.134	.00	16.
5	1983		1575.0	1575.	12.500	18790.0	18790.	120.331	11.930	60.0	60.	.194	.04	1.
6	1983		50.8	1523.	14.023	594.3	17829.	138.160	11.707	.2	5.	.199	.00	30.
7	1983		61.7	1173.	15.196	556.2	10568.	148.728	9.009	.2	3.	.202	.00	19.
8	1983		97.7	3030.	18.226	396.5	12290.	161.018	4.056	1.9	60.	.262	.02	31.
9	1983		108.5	3254.	21.480	385.3	11560.	172.578	3.553	1.3	40.	.302	.01	30.
10	1983		18.6	447.	21.927	162.0	3888.	176.466	8.698	3.8	92.	.394	.21	24.
11	1983		5.7	171.	22.098	44.3	1329.	177.795	7.772	.0	0.	.394	.00	30.
12	1983		82.6	2477.	24.575	365.7	10970.	188.765	4.429	.1	4.	.398	.00	30.
Sub	1983		67.0	17481.		486.0	126836.		7.256	1.0	269.		.02	261.
1	1984		100.3	2707.	27.282	320.0	8640.	197.405	3.192	.0	0.	.398	.00	27.
2	1984		118.8	2613.	29.895	293.3	6452.	203.857	2.469	.0	0.	.398	.00	22.
3	1984		91.9	2849.	32.744	242.8	7526.	211.383	2.642	.1	3.	.401	.00	31.
4	1984		103.1	2886.	35.630	250.2	7006.	218.389	2.428	.2	6.	.407	.00	28.
5	1984		94.6	2933.	38.563	246.4	7639.	226.028	2.605	.1	2.	.409	.00	31.
6	1984		81.9	2457.	41.020	182.1	5462.	231.490	2.223	.0	1.	.410	.00	30.
7	1984		94.6	2648.	43.668	232.8	6519.	238.009	2.462	.0	0.	.410	.00	28.
8	1984		81.7	2533.	46.201	330.4	10243.	248.252	4.044	.0	0.	.410	.00	31.
9	1984		74.1	2223.	48.424	399.7	11991.	260.243	5.394	.0	0.	.410	.00	30.
10	1984		73.0	2263.	50.687	378.8	11742.	271.985	5.189	.0	0.	.410	.00	31.
11	1984		79.5	2385.	53.072	378.5	11354.	283.339	4.761	.0	0.	.410	.00	30.
12	1984		80.3	2489.	55.561	332.2	10298.	293.637	4.137	.0	0.	.410	.00	31.
Sub	1984		88.5	30986.		299.6	104872.		3.384	.0	12.		.00	350.
1	1985		55.1	1268.	56.829	417.1	9593.	303.230	7.565	.0	0.	.410	.00	23.
2	1985		67.4	1551.	58.380	500.3	11506.	314.736	7.418	.0	0.	.410	.00	23.
3	1985		65.5	1835.	60.215	470.8	13183.	327.919	7.184	.0	0.	.410	.00	28.
4	1985		57.0	1710.	61.925	532.0	15959.	343.878	9.333	.1	3.	.413	.00	30.
5	1985		53.2	1649.	63.574	484.1	15007.	358.885	9.101	.5	15.	.428	.01	31.
6	1985		73.7	2210.	65.784	456.7	13702.	372.587	6.200	.1	2.	.430	.00	30.
7	1985		64.8	2010.	67.794	393.4	12196.	384.783	6.068	.1	2.	.432	.00	31.
8	1985		61.4	1904.	69.698	372.5	11546.	396.329	6.064	.0	0.	.432	.00	31.
9	1985		76.3	1297.	70.995	357.6	6079.	402.408	4.687	.0	0.	.432	.00	17.
10	1985		18.3	567.	71.562	270.2	8375.	410.783	14.771	.7	21.	.453	.04	31.
11	1985		34.4	1033.	72.595	201.6	6047.	416.830	5.854	.4	13.	.466	.01	30.
12	1985		41.5	1287.	73.882	210.5	6524.	423.354	5.069	.2	5.	.471	.00	31.
Sub	1985		54.5	18321.		386.1	129717.		7.080	.2	61.		.00	336.
1	1986		47.4	1469.	75.351	261.3	8101.	431.455	5.515	.2	6.	.477	.00	31.
2	1986		49.3	1330.	76.681	469.5	12677.	444.132	9.532	.0	0.	.477	.00	27.
3	1986		46.9	1407.	78.088	487.7	14630.	458.762	10.398	.1	2.	.479	.00	30.
4	1986		33.5	972.	79.060	496.3	14393.	473.155	14.808	.0	0.	.479	.00	29.
5	1986		31.4	596.	79.656	509.8	9686.	482.841	16.252	.4	7.	.486	.01	19.
6	1986		36.3	1090.	80.746	530.5	15914.	498.755	14.600	.0	0.	.486	.00	30.
7	1986		33.3	1031.	81.777	482.6	14962.	513.717	14.512	.0	0.	.486	.00	31.
8	1986		35.8	1109.	82.886	409.7	12700.	526.417	11.452	.0	0.	.486	.00	31.
9	1986		12.1	291.	83.177	232.7	5584.	532.001	19.189	.0	0.	.486	.00	24.
10	1986		12.6	240.	83.417	166.0	3154.	535.155	13.142	.0	0.	.486	.00	19.
11	1986	OP	9.5	124.	83.541	355.8	4625.	539.780	37.298	.0	0.	.486	.00	13.
12	1986	OP	12.7	165.	83.706	286.5	3724.	543.504	22.570	.0	0.	.486	.00	13.
Sub	1986		33.1	9824.		404.5	120150.		12.230	.1	15.		.00	297.

\* Per Producing Day

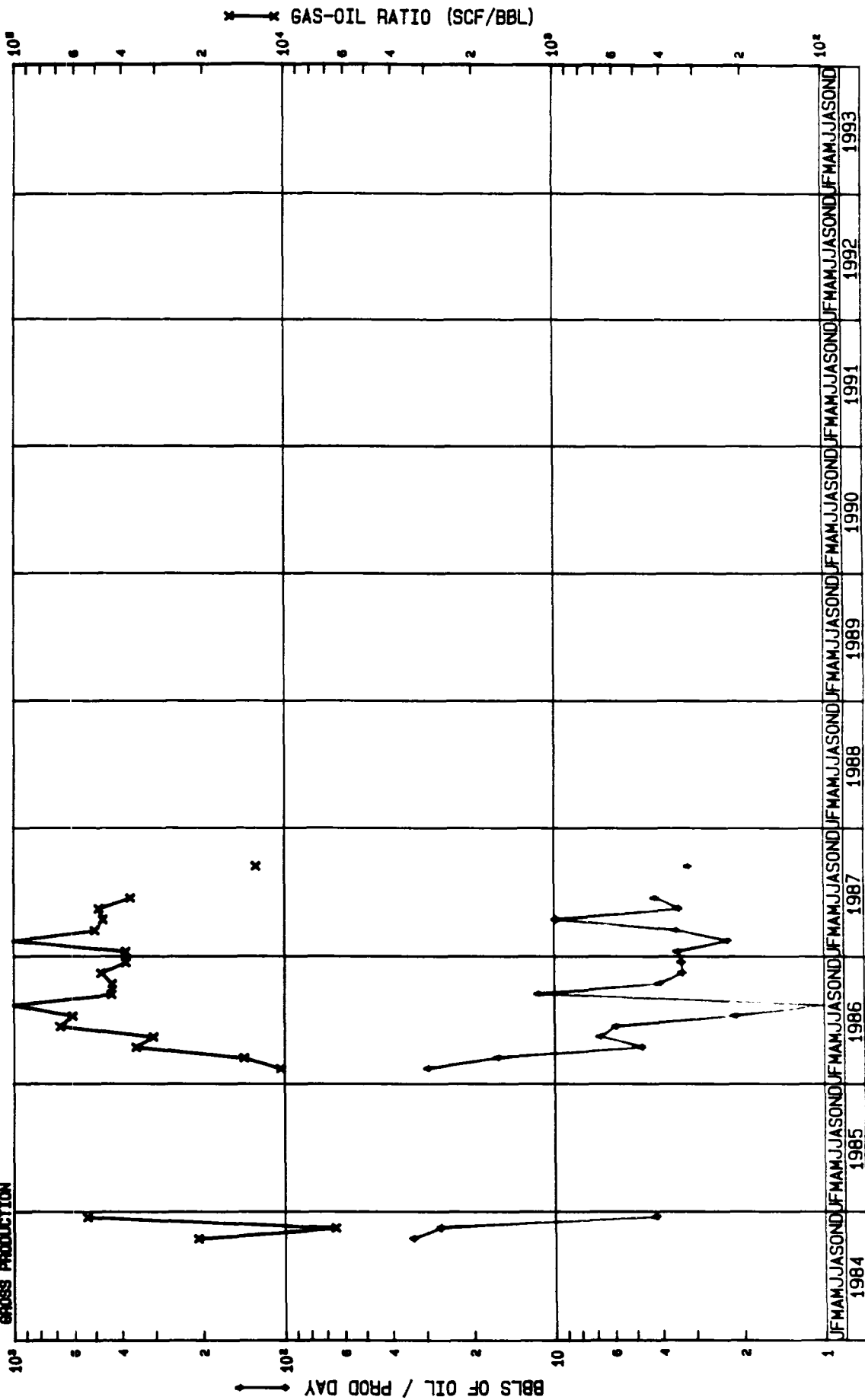


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MESA GRANDE, GAVILAN FEDERAL 1 (NE/NE(A) 26-25N-2W) GAVI.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
1	1987	OP	26.7	187.	83.893	333.7	2336.	545.840	12.492	.0	0.	.486	.00	7.
2	1987	P	13.9	223.	84.116	206.4	3302.	549.142	14.807	.0	0.	.486	.00	16.
3	1987	P	8.8	245.	84.361	191.3	5356.	554.498	21.861	.0	0.	.486	.00	28.
4	1987	SI	.0	0.	84.361	.0	0.	554.498	.000	.0	0.	.486	.00	0.
5	1987	P	3.5	109.	84.470	141.3	4381.	558.879	40.193	.0	0.	.486	.00	31.
6	1987	P	8.2	172.	84.642	242.8	5099.	563.978	29.645	.0	0.	.486	.00	21.
7	1987	P	9.7	301.	84.943	192.0	5952.	569.930	19.774	.0	0.	.486	.00	31.
8	1987	P	8.8	237.	85.180	121.0	3267.	573.197	13.785	.0	0.	.486	.00	27.
9	1987	P	5.4	156.	85.336	97.5	2827.	576.024	18.122	.0	0.	.486	.00	29.
10	1987	P	2.5	79.	85.415	69.3	2149.	578.173	27.203	.0	0.	.486	.00	31.
Sub	1987		7.7	1709.		156.9	34669.		20.286	.0	0.		.00	221.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MESA GRANDE GAVILAN FEDERAL #2, (NW/SE (J) 26-25N-2W) GAUAL2.MAL  
 GROSS PRODUCTION

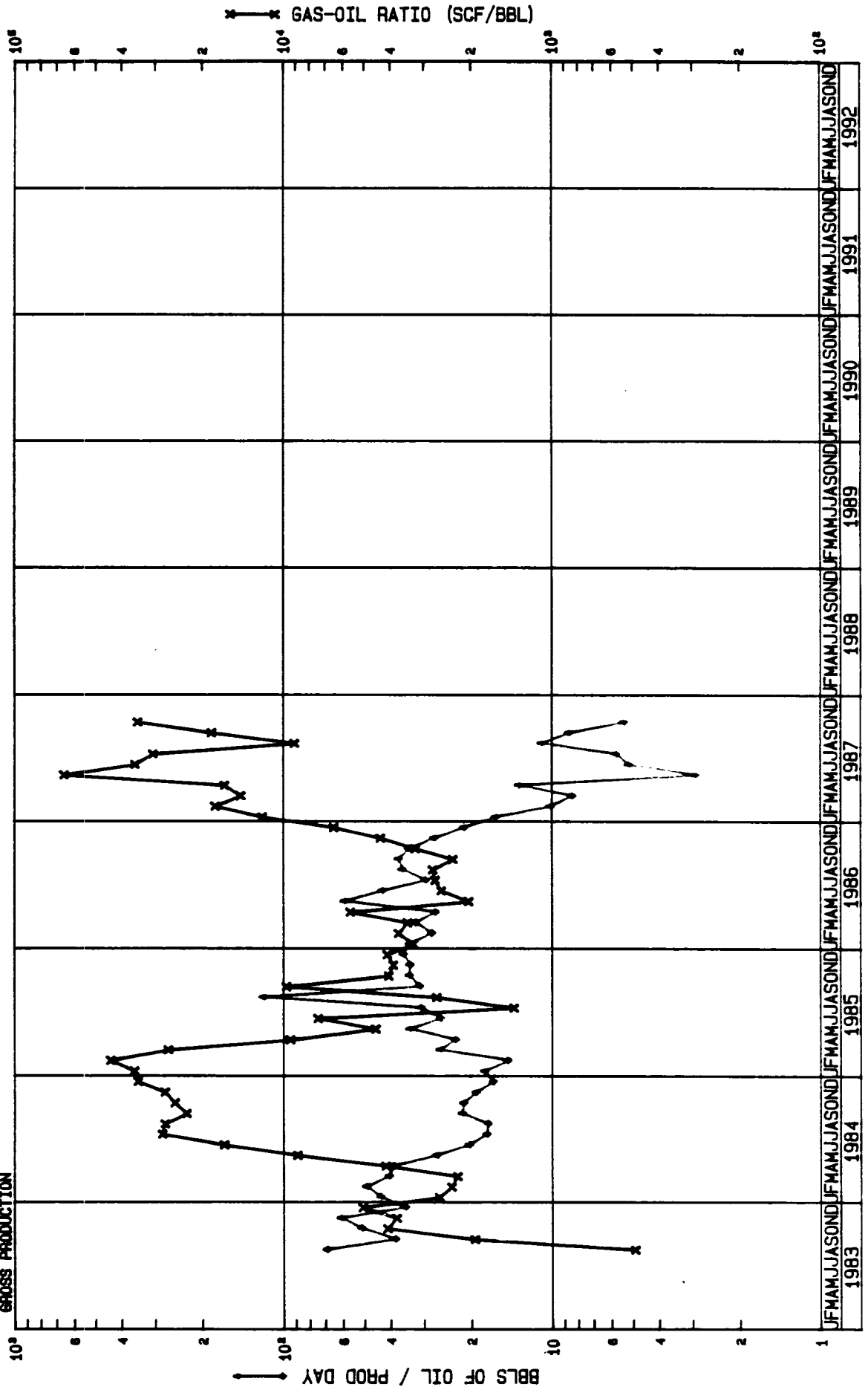


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MESA GRANDE, GAVILAN FEDERAL #2, (NW/SE(J) 26-25N-2W) GAUAL2.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
10	1984		33.7	101.	.101	700.0	2100.	2.100	20.792	.0	0.	.000	.00	3.
11	1984		26.6	186.	.287	171.4	1200.	3.300	6.452	.0	0.	.000	.00	7.
12	1984		4.2	38.	.325	225.0	2025.	5.325	53.289	1.4	13.	.013	.34	9.
Sub 1984			17.1	325.		280.3	5325.		16.385	.7	13.		.04	19.
1	1985	SI	.0	0.	.325	.0	0.	5.325	.000	.0	0.	.013	.00	0.
2	1985	SI	.0	0.	.325	.0	0.	5.325	.000	.0	0.	.013	.00	0.
3	1985	SI	.0	0.	.325	.0	0.	5.325	.000	.0	0.	.013	.00	0.
4	1985	SI	.0	0.	.325	.0	0.	5.325	.000	.0	0.	.013	.00	0.
5	1985	SI	.0	0.	.325	.0	0.	5.325	.000	.0	0.	.013	.00	0.
6	1985	SI	.0	0.	.325	.0	0.	5.325	.000	.0	0.	.013	.00	0.
7	1985	SI	.0	0.	.325	.0	0.	5.325	.000	.0	0.	.013	.00	0.
8	1985	SI	.0	0.	.325	.0	0.	5.325	.000	.0	0.	.013	.00	0.
9	1985	SI	.0	0.	.325	.0	0.	5.325	.000	.0	0.	.013	.00	0.
10	1985	SI	.0	0.	.325	.0	0.	5.325	.000	.0	0.	.013	.00	0.
11	1985	SI	.0	0.	.325	.0	0.	5.325	.000	.0	0.	.013	.00	0.
12	1985	SI	.0	0.	.325	.0	0.	5.325	.000	.0	0.	.013	.00	0.
Sub 1985			.0	0.		.0	0.		.000	.0	0.		.00	0.
1	1986	SI	.0	0.	.325	.0	0.	5.325	.000	.0	0.	.013	.00	0.
2	1986		29.5	118.	.443	303.3	1213.	6.538	10.280	.0	0.	.013	.00	4.
3	1986		16.3	488.	.931	227.8	6834.	13.372	14.004	.2	7.	.020	.01	30.
4	1986		4.8	95.	1.026	167.1	3343.	16.715	35.189	.0	0.	.020	.00	20.
5	1986		6.8	204.	1.230	206.7	6202.	22.917	30.402	.0	0.	.020	.00	30.
6	1986		5.9	77.	1.307	398.2	5177.	28.094	67.234	.0	0.	.020	.00	13.
7	1986		2.1	66.	1.373	128.4	3980.	32.074	60.303	.0	0.	.020	.00	31.
8	1986		.8	24.	1.397	129.5	4015.	36.089	167.292	.0	0.	.020	.00	31.
9	1986		11.5	46.	1.443	498.5	1994.	38.083	43.348	.0	0.	.020	.00	4.
10	1986		4.1	136.	1.549	175.7	4568.	42.651	43.094	.0	0.	.020	.00	26.
11	1986	OP	3.4	131.	1.650	159.5	4785.	47.436	47.376	.0	0.	.020	.00	30.
12	1986	OP	3.4	135.	1.755	130.0	4030.	51.466	38.381	.0	0.	.020	.00	31.
Sub 1986			5.7	1430.		184.6	46141.		32.266	.0	7.		.00	250.
1	1987	OP	3.5	138.	1.863	133.5	4139.	55.605	38.324	.0	0.	.020	.00	31.
2	1987	P	2.3	25.	1.888	382.9	4212.	59.817	168.480	.0	0.	.020	.00	11.
3	1987	P	3.5	110.	1.998	177.0	5488.	65.305	49.891	.0	0.	.020	.00	31.
4	1987	P	9.9	59.	2.067	459.3	3215.	68.520	46.594	.0	0.	.020	.00	7.
5	1987	P	3.5	137.	2.174	166.9	5174.	73.694	48.355	.0	0.	.020	.00	31.
6	1987	P	4.2	55.	2.229	156.2	2030.	75.724	36.909	.0	0.	.020	.00	13.
7	1987	P	.0	0.	2.229	.0	0.	75.724	.000	.0	0.	.020	.00	0.
8	1987	P	.0	0.	2.229	.0	0.	75.724	.000	.0	0.	.020	.00	0.
9	1987	P	3.2	38.	2.267	40.0	480.	76.204	12.632	.0	0.	.020	.00	12.
10	1987	P	.0	0.	2.267	45.7	503.	76.707	.000	.0	0.	.020	.00	11.
Sub 1987			3.5	512.		171.7	25241.		49.299	.0	0.		.00	147.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MESA GRANDE RES., GAVILAN FEE #3 (SW/NW(E) 26-25N-2W) GAV3.MAL  
 GROSS PRODUCTION

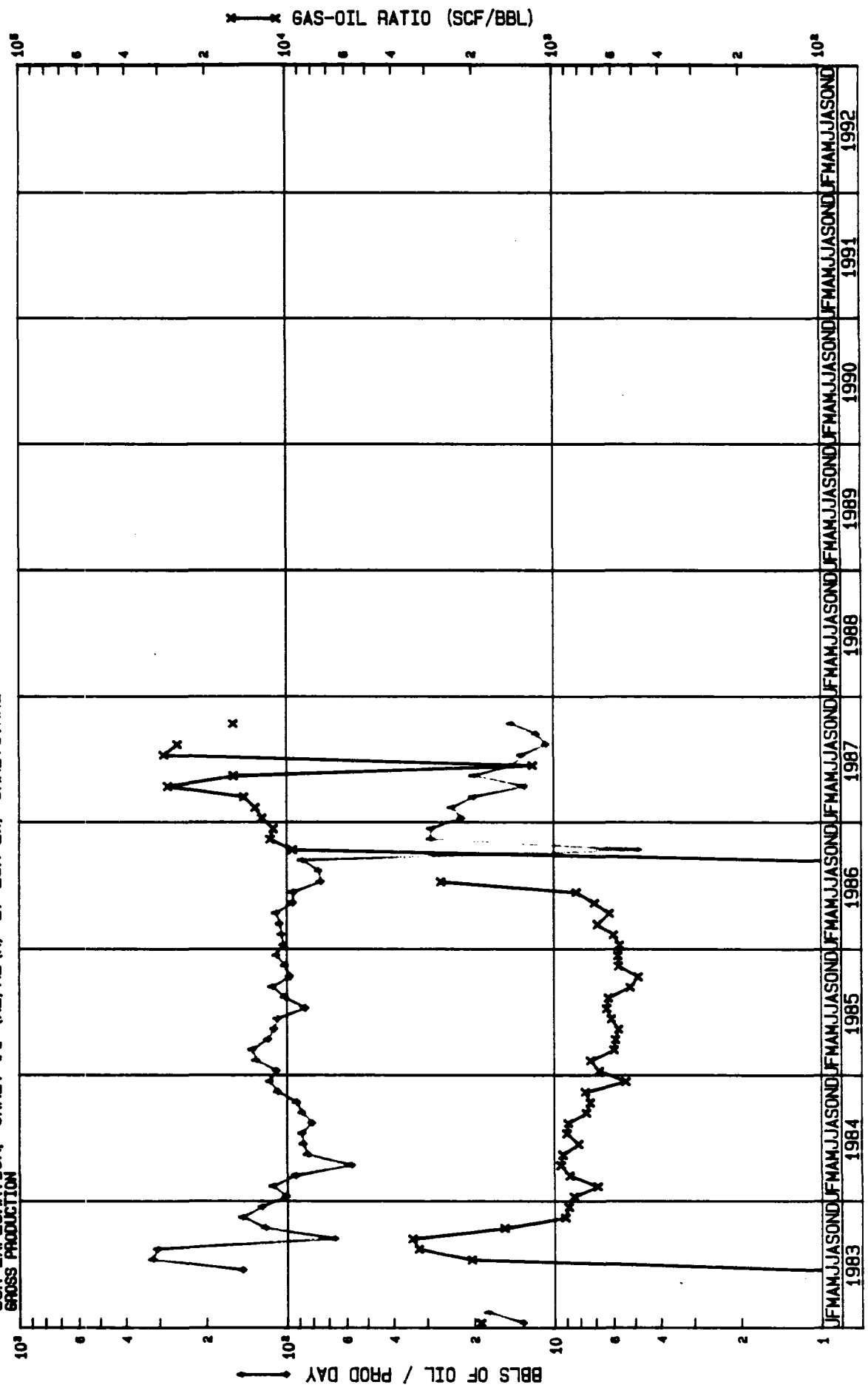


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MESA GRANDE RES., GAVILAN FEE #3 (SW/NW(E) 26-25N-2W) GAV3.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
8	1983		68.8	1239.	1.239	33.6	604.	.604	.487	20.0	360.	.360	.29	18.
9	1983		38.3	1149.	2.388	73.9	2217.	2.821	1.930	1.9	58.	.418	.05	30.
10	1983		51.2	1330.	3.718	208.3	5417.	8.238	4.073	.2	4.	.422	.00	26.
11	1983		61.1	916.	4.634	230.4	3456.	11.694	3.773	.0	0.	.422	.00	15.
12	1983		35.2	1056.	5.690	177.2	5316.	17.010	5.034	1.1	33.	.455	.03	30.
Sub	1983		47.8	5690.		142.9	17010.		2.989	3.8	455.		.08	119.
1	1984		43.5	1131.	6.821	113.8	2958.	19.968	2.615	.4	11.	.466	.01	26.
2	1984		49.1	1129.	7.950	115.5	2657.	22.625	2.353	.5	11.	.477	.01	23.
3	1984		40.4	1252.	9.202	90.5	2804.	25.429	2.240	2.8	86.	.563	.07	31.
4	1984		38.8	1165.	10.367	160.6	4817.	30.246	4.135	3.1	94.	.657	.08	30.
5	1984		26.9	833.	11.200	236.7	7339.	37.585	8.810	.7	22.	.679	.03	31.
6	1984		20.4	611.	11.811	335.7	10071.	47.656	16.483	.0	1.	.680	.00	30.
7	1984		17.5	507.	12.318	489.8	14204.	61.860	28.016	.0	0.	.680	.00	29.
8	1984		17.3	537.	12.855	474.2	14701.	76.561	27.376	.0	0.	.680	.00	31.
9	1984		21.6	648.	13.503	491.7	14752.	91.313	22.765	.0	0.	.680	.00	30.
10	1984		21.4	641.	14.144	538.1	16144.	107.457	25.186	.0	0.	.680	.00	30.
11	1984		19.2	575.	14.719	524.7	15741.	123.198	27.376	.0	0.	.680	.00	30.
12	1984		16.6	514.	15.233	572.3	17740.	140.938	34.514	.0	0.	.680	.00	31.
Sub	1984		27.1	9543.		352.1	123928.		12.986	.6	225.		.02	352.
1	1985		17.8	392.	15.625	634.5	13960.	154.898	35.612	.0	0.	.680	.00	22.
2	1985		14.6	365.	15.990	637.6	15939.	170.837	43.668	.0	0.	.680	.00	25.
3	1985		26.1	732.	16.722	695.8	19483.	190.320	26.616	.0	0.	.680	.00	28.
4	1985		22.9	687.	17.409	214.3	6430.	196.750	9.360	.4	13.	.693	.02	30.
5	1985		33.8	304.	17.713	152.1	1369.	198.119	4.503	.4	4.	.697	.01	9.
6	1985		26.1	469.	18.182	192.5	3465.	201.584	7.388	.0	0.	.697	.00	18.
7	1985		30.8	246.	18.428	42.4	339.	201.923	1.378	.0	0.	.697	.00	8.
8	1985		118.4	947.	19.375	316.4	2531.	204.454	2.673	.0	0.	.697	.00	8.
9	1985		31.1	280.	19.655	301.3	2712.	207.166	9.686	.0	0.	.697	.00	9.
10	1985		34.0	1054.	20.709	137.0	4248.	211.414	4.030	1.0	32.	.729	.03	31.
11	1985		33.7	877.	21.586	130.7	3397.	214.811	3.873	.0	0.	.729	.00	26.
12	1985		35.7	1108.	22.694	145.9	4524.	219.335	4.083	.0	0.	.729	.00	31.
Sub	1985		30.5	7461.		320.0	78397.		10.508	.2	49.		.01	245.
1	1986		34.1	1057.	23.751	111.6	3459.	222.794	3.272	.0	0.	.729	.00	31.
2	1986		28.1	786.	24.537	104.0	2913.	225.707	3.706	.0	0.	.729	.00	28.
3	1986		32.2	998.	25.535	110.5	3425.	229.132	3.432	.0	0.	.729	.00	31.
4	1986		27.2	790.	26.325	152.4	4420.	233.552	5.595	.0	0.	.729	.00	29.
5	1986		59.2	1540.	27.865	120.4	3130.	236.682	2.032	.0	0.	.729	.00	26.
6	1986		42.8	1284.	29.149	110.1	3304.	239.986	2.573	.0	0.	.729	.00	30.
7	1986		29.6	918.	30.067	80.2	2486.	242.472	2.708	.0	0.	.729	.00	31.
8	1986		36.1	1119.	31.186	99.9	3098.	245.570	2.769	.0	0.	.729	.00	31.
9	1986		37.2	1117.	32.303	86.6	2598.	248.168	2.326	.0	0.	.729	.00	30.
10	1986		34.1	922.	33.225	109.5	2957.	251.125	3.207	.0	0.	.729	.00	27.
11	1986	OP	27.4	795.	34.020	118.6	3438.	254.563	4.325	.5	15.	.744	.02	29.
12	1986	OP	21.3	638.	34.658	137.1	4114.	258.677	6.448	.0	0.	.744	.00	30.
Sub	1986		33.9	11964.		111.5	39342.		3.288	.0	15.		.00	353.
1	1987	OP	16.2	389.	35.047	192.8	4627.	263.304	11.895	.0	0.	.744	.00	24.
2	1987	P	10.1	162.	35.209	180.4	2886.	266.190	17.815	.6	9.	.753	.06	16.
3	1987	P	8.4	227.	35.436	120.3	3249.	269.439	14.313	.0	0.	.753	.00	27.
4	1987	P	13.3	133.	35.569	218.6	2186.	271.625	16.436	.0	0.	.753	.00	10.
5	1987	P	2.9	35.	35.604	190.0	2280.	273.905	65.143	.0	0.	.753	.00	12.
6	1987	P	5.2	109.	35.713	183.9	3861.	277.766	35.422	.0	0.	.753	.00	21.
7	1987	P	5.8	179.	35.892	175.3	5435.	283.201	30.363	.0	0.	.753	.00	31.
8	1987	P	10.9	295.	36.187	98.7	2666.	285.867	9.037	.0	0.	.753	.00	27.
9	1987	P	8.6	242.	36.429	158.7	4444.	290.311	18.364	.0	0.	.753	.00	28.
10	1987	P	5.4	167.	36.596	186.7	5787.	296.098	34.653	.0	0.	.753	.00	31.
Sub	1987		8.5	1938.		164.9	37421.		19.309	.0	9.		.00	227.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA CO.  
 SUN EXPLORATION, JANET #1 (NE/NE (A) 27-25N-2W) JANET1.MAL  
 GROSS PRODUCTION

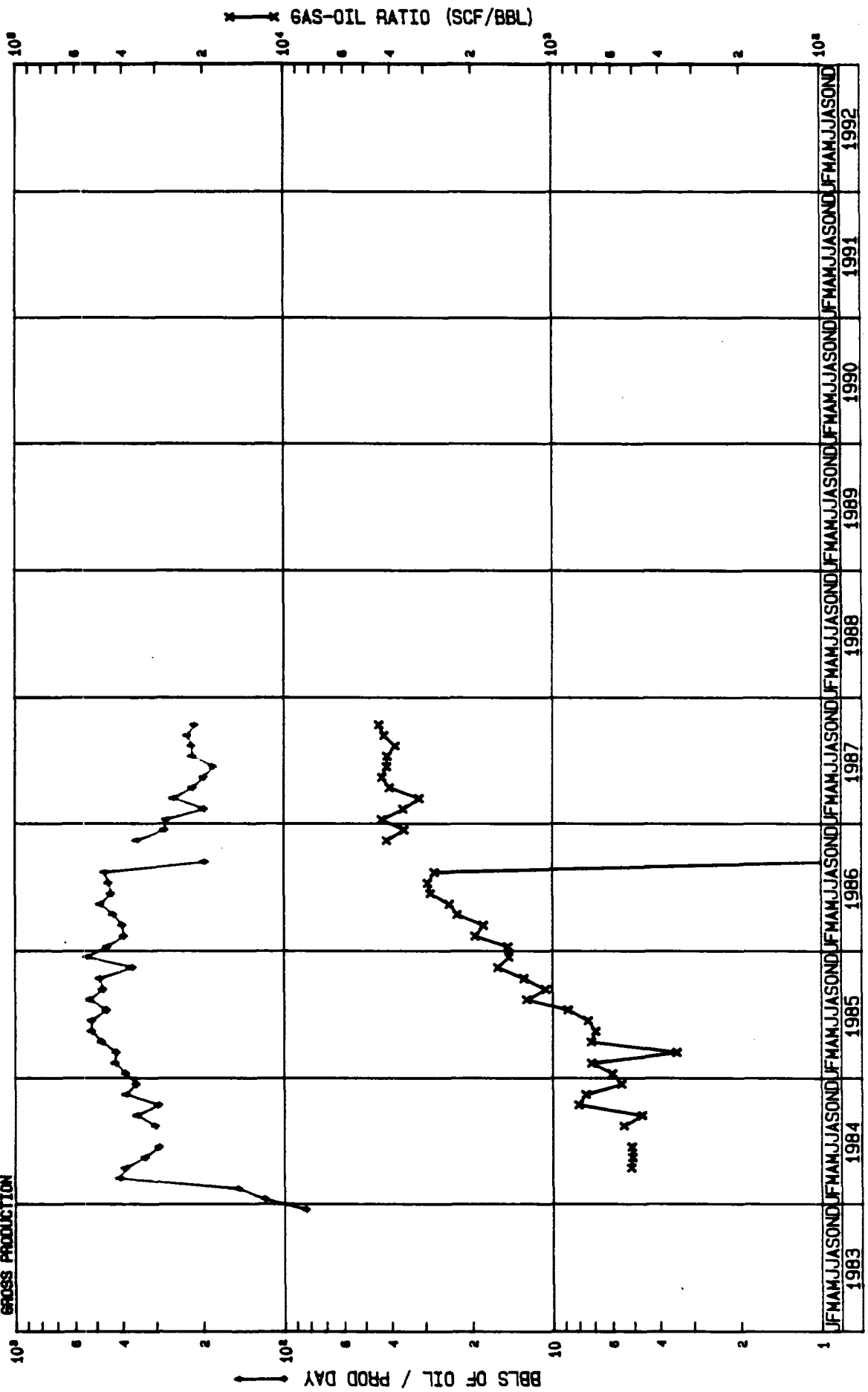


GAVILAN MANCOS FIELD, RIO ARRIBA CO.  
 SUN EXPLORATION, JANET #1 (NE/NE(A) 27-25N-2W) JANET1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
1	1983		13.1	302.	.302	24.6	566.	.566	1.874	.0	0.	.000	.00	23.
2	1983		17.7	496.	.798	.0	0.	.566	.000	.5	15.	.015	.03	28.
3	1983	SI	.0	0.	.798	.0	0.	.566	.000	.0	0.	.015	.00	0.
4	1983	SI	.0	0.	.798	.0	0.	.566	.000	.0	0.	.015	.00	0.
5	1983	SI	.0	0.	.798	.0	0.	.566	.000	.0	0.	.015	.00	0.
6	1983		147.0	147.	.945	6.0	6.	.572	.041	.0	0.	.015	.00	1.
7	1983		318.7	956.	1.901	647.0	1941.	2.513	2.030	.0	0.	.015	.00	3.
8	1983		305.5	611.	2.512	980.0	1960.	4.473	3.208	.0	0.	.015	.00	2.
9	1983		66.4	465.	2.977	224.6	1572.	6.045	3.381	.0	0.	.015	.00	7.
10	1983		121.0	605.	3.582	185.0	925.	6.970	1.529	.0	0.	.015	.00	5.
11	1983		146.9	2498.	6.080	133.1	2262.	9.232	.906	5.3	90.	.105	.04	17.
12	1983		124.2	3850.	9.930	109.2	3385.	12.617	.879	1.0	30.	.135	.01	31.
Sub	1983		84.9	9930.		107.8	12617.		1.271	1.2	135.		.01	117.
1	1984		100.9	3128.	13.058	84.9	2633.	15.250	.842	1.0	32.	.167	.01	31.
2	1984		113.3	2719.	15.777	77.5	1861.	17.111	.684	.0	0.	.167	.00	24.
3	1984		93.0	2884.	18.661	81.0	2512.	19.623	.871	.5	15.	.182	.01	31.
4	1984		57.3	1777.	20.438	53.7	1664.	21.287	.936	.5	16.	.198	.01	31.
5	1984		83.8	2598.	23.036	77.3	2395.	23.682	.922	.5	16.	.214	.01	31.
6	1984		86.8	2605.	25.641	70.0	2100.	25.782	.806	.5	15.	.229	.01	30.
7	1984		87.9	2724.	28.365	78.2	2424.	28.206	.890	.5	16.	.245	.01	31.
8	1984		80.5	2494.	30.859	70.9	2197.	30.403	.881	.5	16.	.261	.01	31.
9	1984		87.8	2635.	33.494	66.1	1982.	32.385	.752	1.0	30.	.291	.01	30.
10	1984		91.7	2843.	36.337	66.9	2073.	34.458	.729	.5	15.	.306	.01	31.
11	1984		108.3	2165.	38.502	82.3	1645.	36.103	.760	.5	10.	.316	.00	20.
12	1984		116.1	3598.	42.100	62.2	1929.	38.032	.536	.5	15.	.331	.00	31.
Sub	1984		91.4	32170.		72.2	25415.		.790	.6	196.		.01	352.
1	1985		109.5	3395.	45.495	73.7	2285.	40.317	.673	.5	15.	.346	.00	31.
2	1985		130.4	3650.	49.145	94.6	2650.	42.967	.726	.5	15.	.361	.00	28.
3	1985		134.7	4175.	53.320	79.8	2473.	45.440	.592	.6	20.	.381	.00	31.
4	1985		117.6	3528.	56.848	68.8	2065.	47.505	.585	.5	15.	.396	.00	30.
5	1985		111.6	3348.	60.196	63.7	1911.	49.416	.571	.5	15.	.411	.00	30.
6	1985		108.5	3254.	63.450	65.8	1973.	51.389	.606	.5	15.	.426	.00	30.
7	1985		85.4	2220.	65.670	53.8	1400.	52.789	.631	.4	10.	.436	.00	26.
8	1985		101.9	3160.	68.830	63.4	1966.	54.755	.622	.8	25.	.461	.01	31.
9	1985		113.4	3401.	72.231	58.4	1753.	56.508	.515	.7	20.	.481	.01	30.
10	1985		97.4	3018.	75.249	46.8	1452.	57.960	.481	.6	20.	.501	.01	31.
11	1985		101.7	1424.	76.673	57.9	811.	58.771	.570	.6	9.	.510	.01	14.
12	1985		109.5	3395.	80.068	62.7	1945.	60.716	.573	.8	25.	.535	.01	31.
Sub	1985		110.7	37968.		66.1	22684.		.597	.6	204.		.01	343.
1	1986		103.0	3194.	83.262	58.3	1806.	62.522	.565	.8	25.	.560	.01	31.
2	1986		104.8	2830.	86.092	62.3	1683.	64.205	.595	1.6	43.	.603	.02	27.
3	1986		106.2	3292.	89.384	72.4	2244.	66.449	.682	.6	20.	.623	.01	31.
4	1986		109.8	3183.	92.567	67.6	1961.	68.410	.616	.7	20.	.643	.01	29.
5	1986		94.7	2463.	95.030	66.2	1722.	70.132	.699	.6	16.	.659	.01	26.
6	1986		94.5	2834.	97.864	77.3	2318.	72.450	.818	.7	20.	.679	.01	30.
7	1986		74.5	2310.	100.174	196.1	6079.	78.529	2.632	.8	26.	.705	.01	31.
8	1986		75.8	2199.	102.373	.0	0.	78.529	.000	.8	22.	.727	.01	29.
9	1986		87.8	1757.	104.130	.2	3.	78.532	.002	1.1	23.	.750	.01	20.
10	1986		4.8	135.	104.265	45.5	1275.	79.807	9.444	.1	2.	.752	.01	28.
11	1986	OP	28.9	637.	104.872	330.9	6949.	86.756	11.448	.5	10.	.762	.02	21.
12	1986	OP	28.8	576.	105.448	321.3	6425.	93.181	11.155	.6	11.	.773	.02	20.
Sub	1986		78.6	25330.		100.5	32465.		1.279	.7	238.		.01	323.
1	1987	OP	22.2	510.	105.958	272.7	6273.	99.454	12.300	.5	12.	.785	.02	23.
2	1987	P	24.1	579.	106.537	314.5	7547.	107.001	13.035	.4	10.	.795	.02	24.
3	1987	P	20.0	430.	106.937	287.4	5747.	112.748	14.368	.4	8.	.803	.02	20.
4	1987	P	12.9	245.	107.182	356.4	6772.	119.520	27.641	.3	5.	.808	.02	19.
5	1987	P	20.0	430.	107.582	313.9	6277.	125.797	15.693	.3	5.	.813	.01	20.
6	1987	P	14.2	270.	107.852	16.9	322.	126.119	1.193	1.0	19.	.832	.07	19.
7	1987	P	13.1	331.	108.233	375.1	10879.	136.998	28.554	.9	26.	.858	.07	29.
8	1987	P	10.6	237.	108.520	269.5	7276.	144.274	25.352	1.0	27.	.885	.09	27.
9	1987	P	11.6	348.	108.868	.0	0.	144.274	.000	1.0	30.	.915	.09	30.
10	1987	P	14.4	446.	109.314	225.7	6998.	151.272	15.691	1.0	31.	.946	.07	31.
Sub	1987		16.0	3856.		240.0	58091.		15.026	.7	173.		.04	242.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA CO, NM  
 SUN EXPLORATION, NATIVE SON #2 (SE/SH (N) 27-25N-2W) NATIV2.MAL



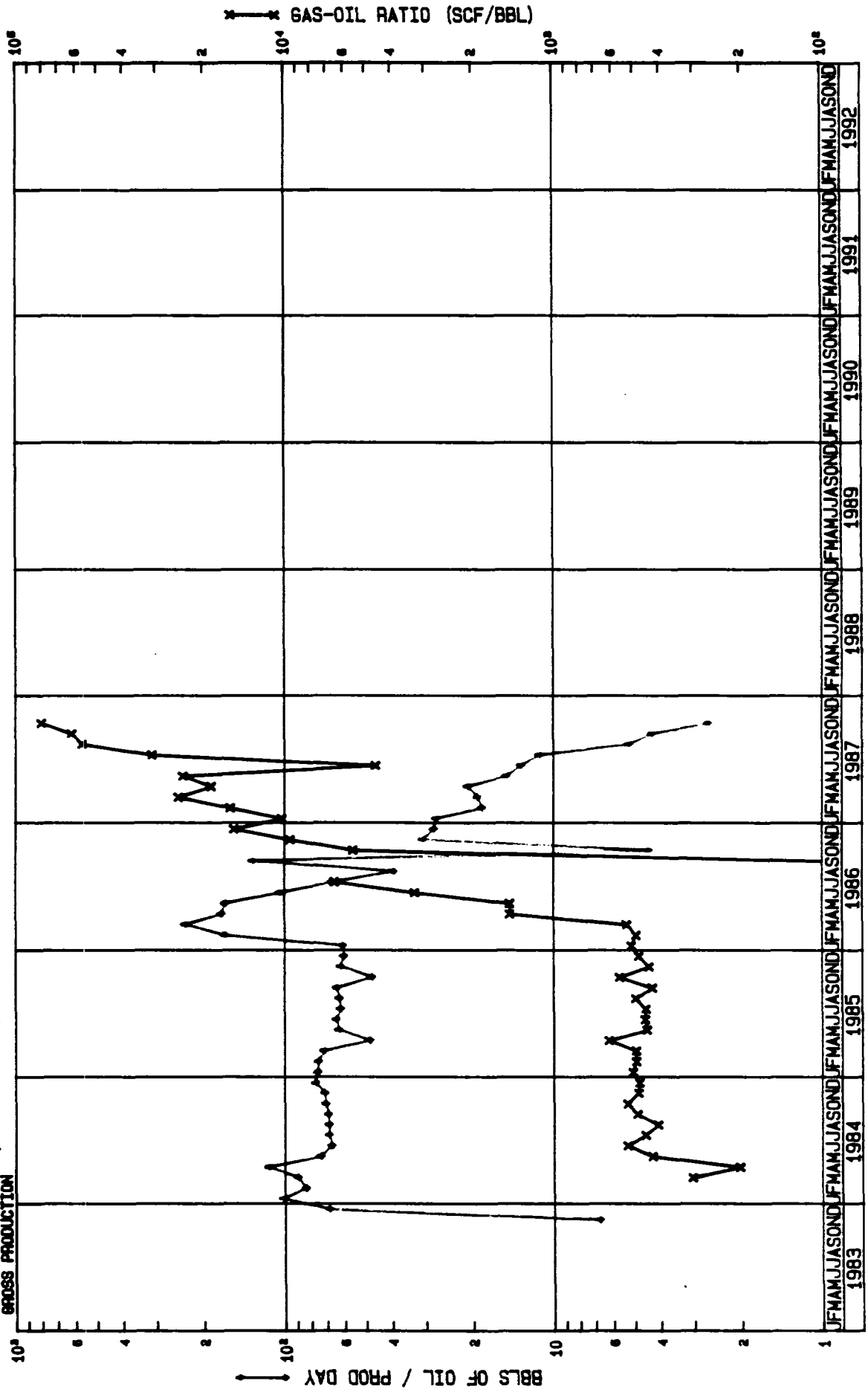


GAVILAN MANCOS FIELD, RIO ARRIBA CO., NM  
 SUN EXPLORATION, NATIVE SON #2 (SE/SW(N) 27-25N-2W) NATIV2.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
12	1983		83.7	251.	.251	.0	0.	.000	.000	17.0	51.	.051	.20	3.
Sub	1983		83.7	251.		.0	0.		.000	17.0	51.		.20	3.
1	1984		118.8	950.	1.201	.0	0.	.000	.000	8.1	65.	.116	.07	8.
2	1984		149.3	1194.	2.395	.0	0.	.000	.000	7.5	60.	.176	.05	8.
3	1984		409.3	9415.	11.810	.0	0.	.000	.000	.0	0.	.176	.00	23.
4	1984		390.6	6640.	18.450	198.4	3373.	3.373	.508	.0	0.	.176	.00	17.
5	1984		330.0	7261.	25.711	165.8	3648.	7.021	.502	.0	0.	.176	.00	22.
6	1984		293.4	3814.	29.525	148.2	1927.	8.948	.505	.3	4.	.180	.00	13.
7	1984	SI	.0	0.	29.525	.0	0.	8.948	.000	.0	0.	.180	.00	0.
8	1984		302.6	9077.	38.602	164.0	4921.	13.869	.542	.2	5.	.185	.00	30.
9	1984		354.5	10634.	49.236	164.0	4921.	18.790	.463	.2	5.	.190	.00	30.
10	1984		294.6	9132.	58.368	235.2	7290.	26.080	.798	.2	5.	.195	.00	31.
11	1984		389.8	11693.	70.061	292.5	8775.	34.855	.750	.2	5.	.200	.00	30.
12	1984		355.6	11024.	81.085	196.0	6075.	40.930	.551	.2	5.	.205	.00	31.
Sub	1984		332.7	80834.		168.4	40930.		.506	.6	154.		.00	243.
1	1985		389.4	12072.	93.157	232.2	7198.	48.128	.596	.2	5.	.210	.00	31.
2	1985		425.9	11524.	105.081	303.5	8499.	56.627	.713	.2	5.	.215	.00	28.
3	1985		422.5	13098.	118.179	144.9	4492.	61.119	.343	.2	5.	.220	.00	31.
4	1985		478.3	14349.	132.528	342.2	10266.	71.385	.715	.2	5.	.225	.00	30.
5	1985		521.7	15652.	148.180	359.6	10789.	82.174	.689	.2	5.	.230	.00	30.
6	1985		520.7	15620.	163.800	382.9	11487.	93.661	.735	.2	5.	.235	.00	30.
7	1985		459.4	14242.	178.042	401.2	12436.	106.097	.873	.2	5.	.240	.00	31.
8	1985		531.1	12746.	190.788	660.3	15848.	121.945	1.243	.2	5.	.245	.00	24.
9	1985		471.9	12740.	203.528	497.5	13432.	135.377	1.054	.2	5.	.250	.00	27.
10	1985		485.2	15041.	218.569	617.1	19131.	154.508	1.272	.2	5.	.255	.00	31.
11	1985		366.9	9173.	227.742	583.5	14588.	169.096	1.590	.3	8.	.263	.00	25.
12	1985		540.8	16764.	244.506	782.5	24257.	193.353	1.447	.2	5.	.268	.00	31.
Sub	1985		468.3	163421.		436.7	152423.		.933	.2	63.		.00	349.
1	1986		455.3	14113.	258.619	664.5	20600.	213.953	1.460	.0	0.	.268	.00	31.
2	1986		395.1	10273.	268.892	764.2	19870.	233.823	1.934	.2	5.	.273	.00	26.
3	1986		401.0	12430.	281.322	722.0	22383.	256.206	1.801	.0	0.	.273	.00	31.
4	1986		433.9	12582.	293.904	980.1	28422.	284.628	2.259	.0	0.	.273	.00	29.
5	1986		484.1	15006.	308.910	1169.2	36244.	320.872	2.415	.0	0.	.273	.00	31.
6	1986		440.0	13199.	322.109	1247.1	37412.	358.284	2.834	.0	0.	.273	.00	30.
7	1986		449.5	13935.	336.044	1303.8	40418.	398.702	2.900	.0	0.	.273	.00	31.
8	1986		465.1	13489.	349.533	1271.9	36884.	435.586	2.734	.3	10.	.283	.00	29.
9	1986		197.0	1182.	350.715	1.7	10.	435.596	.008	.2	1.	.284	.00	6.
10	1986		.0	0.	350.715	.0	0.	435.596	.000	.0	0.	.284	.00	0.
11	1986	OF	352.8	1764.	352.479	1455.2	7276.	442.872	4.125	.2	1.	.285	.00	5.
12	1986	OF	278.5	1671.	354.150	988.3	5930.	448.802	3.549	.2	1.	.286	.00	6.
Sub	1986		430.0	109644.		1001.8	255449.		2.330	.1	18.		.00	255.
1	1987	OF	274.6	1373.	355.523	1180.2	5901.	454.703	4.298	.2	1.	.287	.00	5.
2	1987	F	198.9	2586.	358.109	711.5	9250.	463.953	3.577	.2	2.	.289	.00	13.
3	1987	F	258.1	2065.	360.174	804.5	6436.	470.389	3.117	.1	1.	.290	.00	8.
4	1987	F	219.0	1752.	361.926	881.5	7052.	477.441	4.025	.3	2.	.292	.00	8.
5	1987	F	199.0	1791.	363.717	853.7	7683.	485.124	4.290	.1	1.	.293	.00	9.
6	1987	P	183.7	1653.	365.370	755.9	6803.	491.927	4.116	.0	0.	.293	.00	9.
7	1987	P	220.0	6601.	371.971	903.1	27093.	519.020	4.104	.0	0.	.293	.00	30.
8	1987	P	221.3	5974.	377.945	848.2	22901.	541.921	3.833	.0	0.	.293	.00	27.
9	1987	P	229.2	6875.	384.820	967.2	29017.	570.938	4.221	1.0	30.	.323	.00	30.
10	1987	P	215.8	6690.	391.510	952.0	29512.	600.450	4.411	1.0	31.	.354	.00	31.
Sub	1987		219.8	37360.		892.0	151648.		4.059	.4	68.		.00	170.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA CO., NM  
 SUN EXPLORATION, E. T. #1 (NE/NW (C) 28-25N-2W) ET1.MAL  
 GROSS PRODUCTION

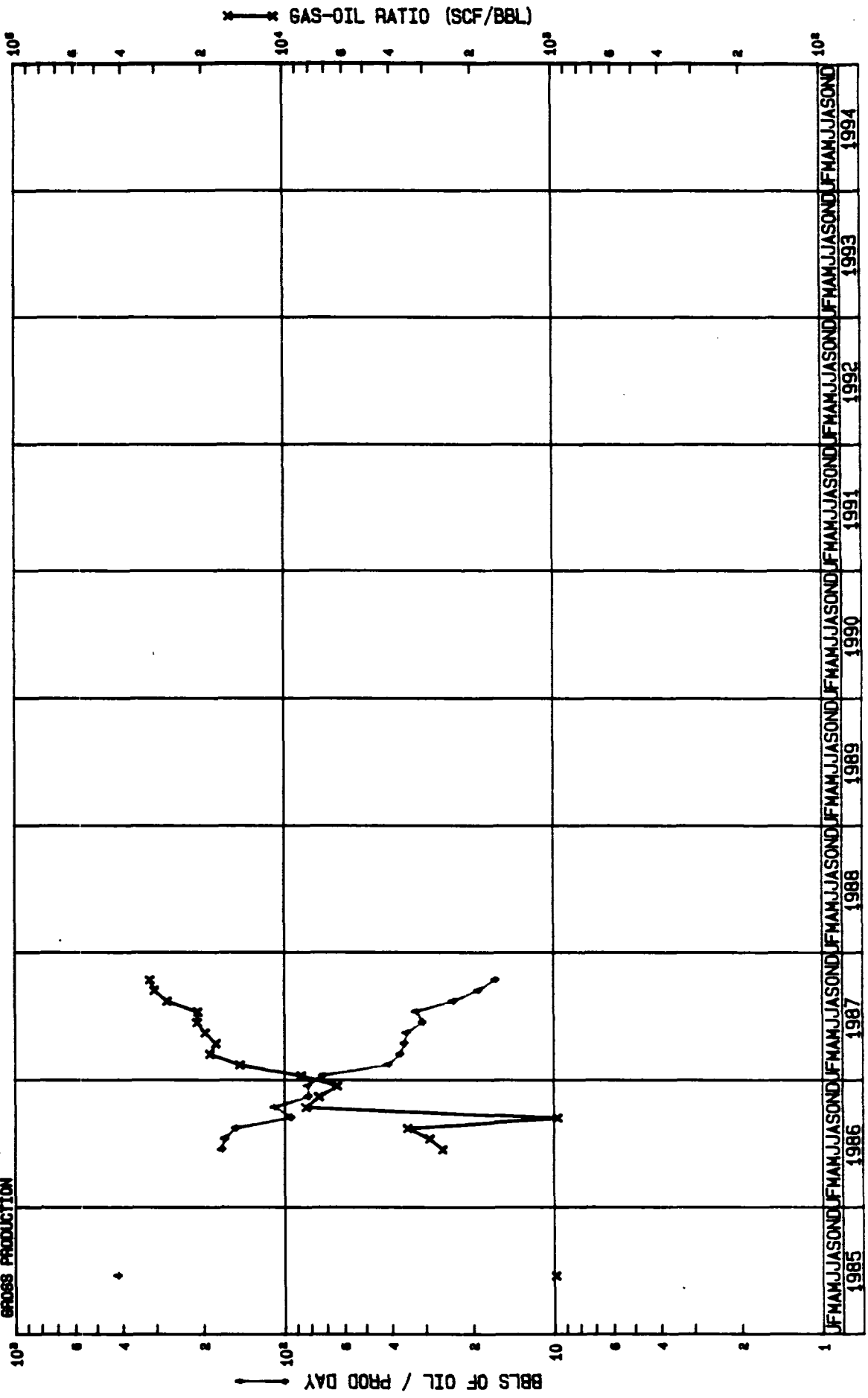


GAVILAN MANCOS FIELD, RIO ARRIBA CO., NM  
 SUN EXPLORATION, E. T. #1 (NE/NW(C) 28-25N-2W) ET1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
11	1983		6.8	204.	.204	.0	0.	.000	.000	.0	0.	.000	.00	30.
12	1983		69.1	2141.	2.345	.0	0.	.000	.000	.5	16.	.016	.01	31.
Sub	1983		38.4	2345.		.0	0.		.000	.3	16.		.01	61.
1	1984		102.2	3167.	5.512	.0	0.	.000	.000	.5	16.	.032	.01	31.
2	1984		83.9	2433.	7.945	.0	0.	.000	.000	.5	15.	.047	.01	29.
3	1984		90.0	810.	8.755	27.2	245.	.245	.302	1.1	10.	.057	.01	9.
4	1984		115.3	1038.	9.793	23.2	209.	.454	.201	1.1	10.	.067	.01	9.
5	1984		74.0	2294.	12.087	31.6	979.	1.433	.427	.5	16.	.083	.01	31.
6	1984		67.4	2023.	14.110	35.6	1067.	2.500	.527	.5	15.	.098	.01	30.
7	1984		68.9	2066.	16.176	31.2	935.	3.435	.453	.5	15.	.113	.01	30.
8	1984		68.9	2137.	18.313	28.1	870.	4.305	.407	.3	10.	.123	.00	31.
9	1984		69.5	2084.	20.397	33.7	1012.	5.317	.486	.5	15.	.138	.01	30.
10	1984		70.9	1985.	22.382	37.4	1046.	6.363	.527	.4	12.	.150	.01	28.
11	1984		71.4	2142.	24.524	34.3	1028.	7.391	.480	.5	15.	.165	.01	30.
12	1984		77.3	2397.	26.921	36.8	1142.	8.533	.476	.2	5.	.170	.00	31.
Sub	1984		77.0	24576.		26.7	8533.		.347	.5	154.		.01	319.
1	1985		75.7	2348.	29.269	38.1	1181.	9.714	.503	.2	5.	.175	.00	31.
2	1985		75.4	2111.	31.380	36.9	1034.	10.748	.490	.2	5.	.180	.00	28.
3	1985		71.9	2086.	33.466	35.3	1023.	11.771	.490	.3	10.	.190	.00	29.
4	1985		48.5	1455.	34.921	30.0	901.	12.672	.619	.3	10.	.200	.01	30.
5	1985		63.4	1902.	36.823	28.4	851.	13.523	.447	.2	5.	.205	.00	30.
6	1985		64.7	1941.	38.764	29.4	882.	14.405	.454	.2	5.	.210	.00	30.
7	1985		62.2	1928.	40.692	28.1	870.	15.275	.451	.3	10.	.220	.01	31.
8	1985		62.9	1950.	42.642	30.9	959.	16.234	.492	.2	5.	.225	.00	31.
9	1985		64.3	1930.	44.572	27.4	823.	17.057	.426	.2	5.	.230	.00	30.
10	1985		47.6	1477.	46.049	26.9	835.	17.892	.565	.2	5.	.235	.00	31.
11	1985		62.3	1870.	47.919	27.3	820.	18.712	.439	.2	5.	.240	.00	0.
12	1985		60.5	1875.	49.794	29.0	899.	19.611	.479	.3	10.	.250	.01	31.
Sub	1985		68.9	22873.		33.4	11078.		.484	.2	80.		.00	332.
1	1986		61.2	1898.	51.692	31.3	969.	20.580	.511	.3	10.	.260	.01	31.
2	1986		168.1	4540.	56.232	82.6	2230.	22.810	.491	.3	8.	.268	.00	27.
3	1986		235.9	7313.	63.545	125.3	3883.	26.693	.531	.2	5.	.273	.00	31.
4	1986		172.3	5168.	68.713	249.1	7473.	34.166	1.446	.5	15.	.288	.00	30.
5	1986		166.7	5168.	73.881	241.1	7473.	41.639	1.446	.5	15.	.303	.00	31.
6	1986		104.3	3128.	77.009	340.8	10223.	51.862	3.268	.3	10.	.313	.00	30.
7	1986		66.9	2074.	79.083	434.3	13464.	65.326	6.492	.3	10.	.323	.00	31.
8	1986		39.5	1146.	80.229	.0	0.	65.326	.000	.3	10.	.333	.01	29.
9	1986		132.0	264.	80.493	.5	1.	65.327	.004	3.5	7.	.340	.03	2.
10	1986		4.4	84.	80.577	24.5	465.	65.792	5.536	.1	1.	.341	.01	19.
11	1986	OP	30.8	555.	81.132	292.4	5263.	71.055	9.483	.3	5.	.346	.01	18.
12	1986	OP	28.0	559.	81.691	428.5	8569.	79.624	15.329	.3	5.	.351	.01	20.
Sub	1986		106.7	31897.		200.7	60013.		1.881	.3	101.		.00	299.
1	1987	OP	27.5	659.	82.350	279.6	6710.	86.334	10.182	.3	6.	.357	.01	24.
2	1987	P	18.5	481.	82.831	292.5	7605.	93.939	15.811	.3	8.	.365	.02	26.
3	1987	P	19.2	365.	83.196	473.8	9003.	102.942	24.666	.3	5.	.370	.01	19.
4	1987	P	20.9	377.	83.573	390.5	7029.	109.971	18.645	.3	5.	.375	.01	18.
5	1987	P	15.0	285.	83.858	356.2	6767.	116.738	23.744	.3	5.	.380	.02	19.
6	1987	P	13.3	252.	84.110	60.5	1149.	117.887	4.560	.0	0.	.380	.00	19.
7	1987	P	11.3	340.	84.450	350.8	10525.	128.412	30.956	.0	0.	.380	.00	30.
8	1987	P	5.3	142.	84.592	296.7	8012.	136.424	56.423	.0	0.	.380	.00	27.
9	1987	P	4.3	129.	84.721	264.3	7930.	144.354	61.473	.0	0.	.380	.00	30.
10	1987	P	2.6	82.	84.803	210.7	6531.	150.885	79.646	.0	0.	.380	.00	31.
Sub	1987		12.8	3112.		293.3	71261.		22.899	.1	29.		.01	243.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, FULL SAIL #2 (NW/SE (1) 28-25N-2W) FULLS2.MAL  
 GROSS PRODUCTION

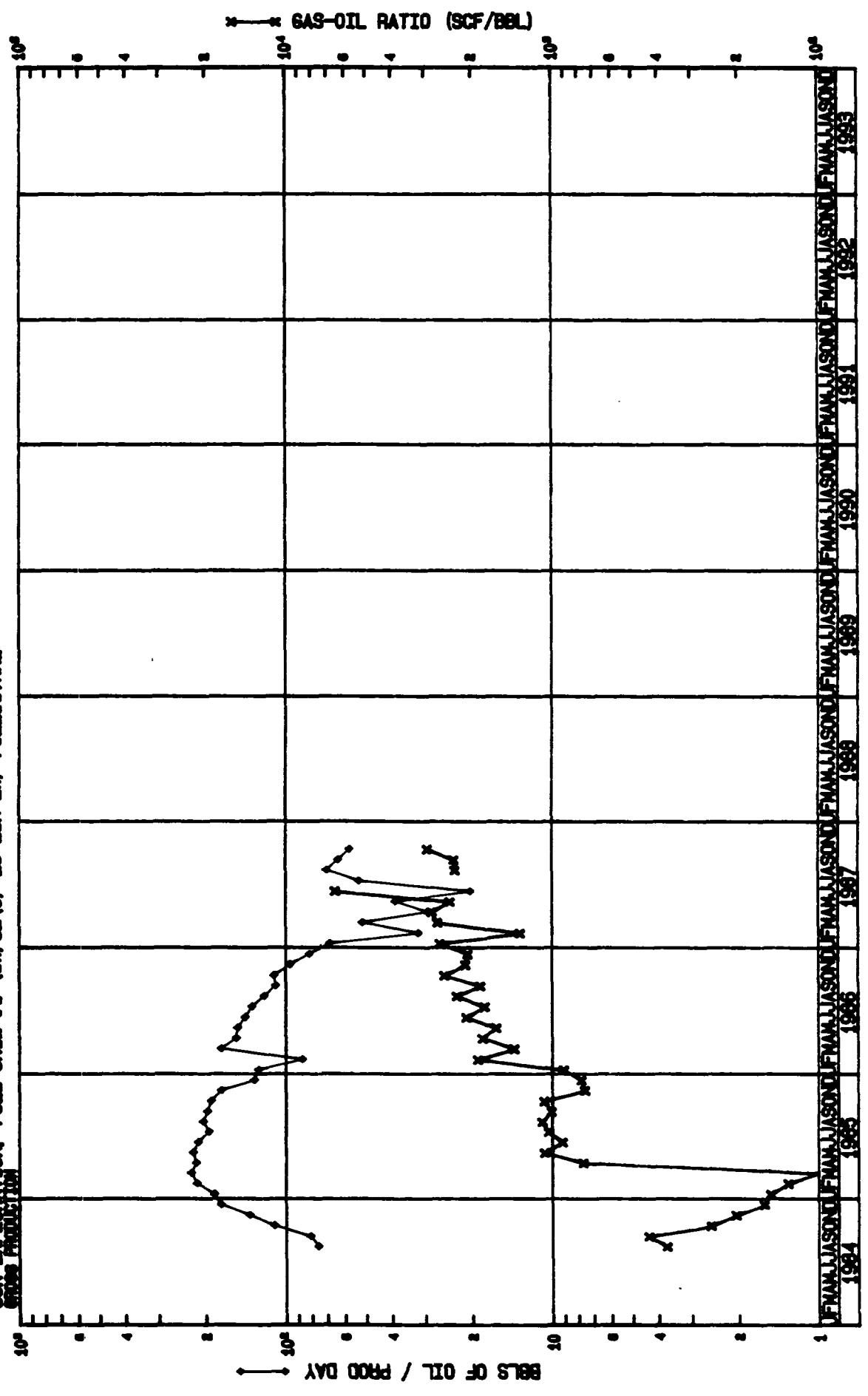


CAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, FULL SAIL #2 (NW/SE(I) 28-25N-2W) FULLS2.MAL

Mo	Year	Stat	OIL/COND			GAS			WATER				Days Prod	
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB		WOR B/B
6	1985		416.3	1249.	1.249	407.7	1223.	1.223	.979	.0	0.	.000	.00	3.
7	1985	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
8	1985	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
9	1985	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
10	1985	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
11	1985	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
12	1985	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
Sub 1985			416.3	1249.		407.7	1223.		.979	.0	0.		.00	3.
1	1986	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
2	1986	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
3	1986	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
4	1986	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
5	1986	SI	.0	0.	1.249	.0	0.	1.223	.000	.0	0.	.000	.00	0.
6	1986		171.3	2570.	3.819	441.2	6618.	7.841	2.575	.5	8.	.008	.00	15.
7	1986		167.0	2839.	6.658	480.6	8170.	16.011	2.878	.6	10.	.018	.00	17.
8	1986		152.1	2281.	8.939	528.9	7934.	23.945	3.478	.3	4.	.022	.00	15.
9	1986		94.8	569.	9.508	91.3	548.	24.493	.963	.5	3.	.025	.01	6.
10	1986		109.4	1313.	10.821	906.5	10878.	35.371	8.285	.1	1.	.026	.00	12.
11	1986	OF	81.3	976.	11.797	600.6	7207.	42.578	7.384	.3	4.	.030	.00	12.
12	1986	OF	81.9	1065.	12.862	518.5	6741.	49.319	6.330	.3	4.	.034	.00	13.
Sub 1986			129.0	11613.		534.4	48096.		4.142	.4	34.		.00	90.
1	1987	OF	71.8	862.	13.724	617.3	7408.	56.727	8.594	.3	3.	.037	.00	12.
2	1987	F	41.1	699.	14.423	597.9	10164.	66.891	14.541	.3	5.	.042	.01	17.
3	1987	F	37.2	409.	14.832	697.8	7676.	74.567	18.768	.2	2.	.044	.00	11.
4	1987	F	35.8	430.	15.262	639.5	7674.	82.241	17.847	.2	2.	.046	.00	12.
5	1987	F	35.2	387.	15.649	688.5	7574.	89.815	19.571	.2	2.	.048	.01	11.
6	1987	F	30.6	337.	15.986	642.4	7066.	96.881	20.967	.0	0.	.048	.00	11.
7	1987	F	32.4	972.	16.958	674.7	20240.	117.121	20.823	.0	0.	.048	.00	30.
8	1987	F	23.6	613.	17.571	637.1	16565.	133.686	27.023	.0	0.	.048	.00	26.
9	1987	F	19.0	569.	18.140	572.0	17159.	150.845	30.156	1.0	30.	.078	.05	30.
10	1987	F	16.4	509.	18.649	515.2	15971.	166.816	31.377	1.0	31.	.109	.06	31.
Sub 1987			30.3	5787.		615.2	117497.		20.304	.4	75.		.01	191.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, FULL SAIL #1 (SM/SE (0) 29-25N-2W) FULLS1.MAL  
 ORE PRODUCTION

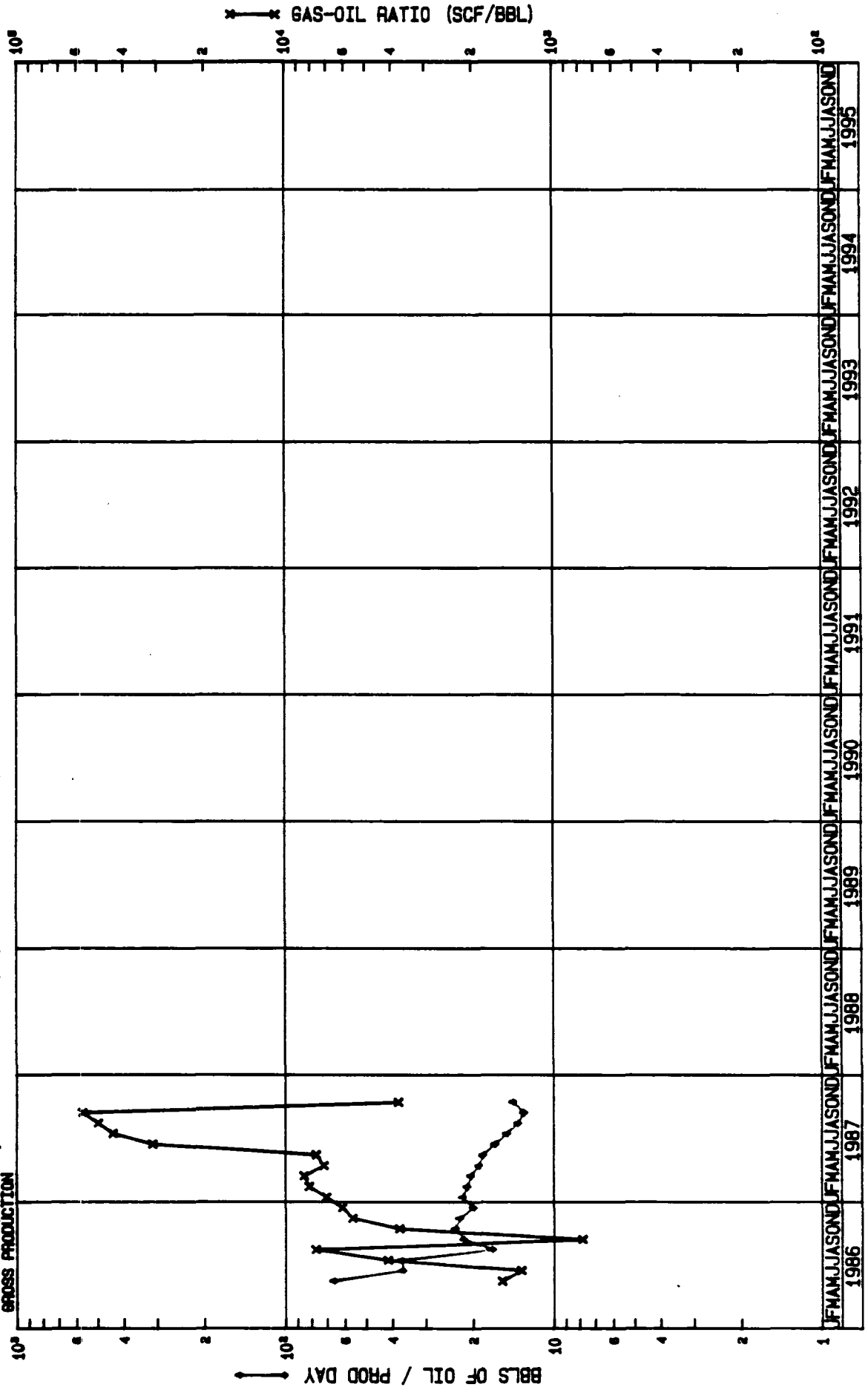


GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
 SUN EXPLORATION, FULL SAIL #1 (SW/SE(O) 29-25N-2W) FULLS1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMB	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
8	1984		75.4	2337.	2.337	27.8	862.	.862	.369	1.5	47.	.047	.02	31.
9	1984		80.8	1938.	4.275	34.8	834.	1.696	.430	.5	12.	.059	.01	24.
10	1984		110.5	3424.	7.699	27.8	862.	2.558	.252	.3	10.	.069	.00	31.
11	1984		136.8	2873.	10.572	27.8	584.	3.142	.203	.5	10.	.079	.00	21.
12	1984		175.3	5434.	16.006	27.8	862.	4.004	.159	.6	20.	.099	.00	31.
Sub	1984		116.0	16006.		29.0	4004.		.250	.7	99.		.01	138.
1	1985		185.2	4814.	20.820	27.8	723.	4.727	.150	.8	20.	.119	.00	26.
2	1985		215.3	3445.	24.265	27.8	445.	5.172	.129	1.3	20.	.139	.01	16.
3	1985		226.1	6782.	31.047	3.7	111.	5.283	.016	.7	20.	.159	.00	30.
4	1985		217.1	6513.	37.560	164.9	4947.	10.230	.760	.7	20.	.179	.00	30.
5	1985		222.9	5350.	42.910	236.7	5680.	15.910	1.062	.6	15.	.194	.00	24.
6	1985		212.3	6369.	49.279	192.8	5783.	21.693	.908	.3	10.	.204	.00	30.
7	1985		193.8	6009.	55.288	198.5	6152.	27.845	1.024	.0	0.	.204	.00	0.
8	1985		204.0	6324.	61.612	220.8	6846.	34.691	1.083	.4	12.	.216	.00	31.
9	1985		196.8	5903.	67.515	196.7	5900.	40.591	.999	.0	1.	.217	.00	30.
10	1985		190.5	5716.	73.231	203.0	6090.	46.681	1.065	.3	10.	.227	.00	30.
11	1985		173.7	4515.	77.746	129.8	3374.	50.055	.747	.2	4.	.231	.00	26.
12	1985		130.8	4055.	81.801	100.8	3125.	53.180	.771	.0	1.	.232	.00	31.
Sub	1985		216.4	65795.		161.8	49176.		.747	.4	133.		.00	304.
1	1986		126.3	3915.	85.716	113.3	3511.	56.691	.897	.2	5.	.237	.00	31.
2	1986		86.6	2426.	88.142	163.4	4575.	61.266	1.886	.2	5.	.242	.00	28.
3	1986		174.5	5410.	93.552	240.4	7451.	68.717	1.377	.3	10.	.252	.00	31.
4	1986		153.1	3675.	97.227	277.2	6652.	75.369	1.810	.3	8.	.260	.00	24.
5	1986		150.7	4673.	101.900	242.0	7501.	82.870	1.605	.2	5.	.265	.00	31.
6	1986		141.7	4250.	106.150	294.4	8833.	91.703	2.078	.3	10.	.275	.00	30.
7	1986		133.6	4141.	110.291	237.6	7366.	99.069	1.779	.3	10.	.285	.00	31.
8	1986		120.3	3489.	113.780	272.4	7899.	106.968	2.264	.3	10.	.295	.00	29.
9	1986		109.1	1418.	115.198	201.2	2616.	109.584	1.845	.2	2.	.297	.00	13.
10	1986		110.2	3086.	118.284	276.5	7741.	117.325	2.508	.3	9.	.306	.00	28.
11	1986	OF	96.0	2591.	120.875	201.2	5433.	122.758	2.097	.3	9.	.315	.00	27.
12	1986	OF	81.4	2523.	123.398	167.3	5185.	127.943	2.055	.0	1.	.316	.00	31.
Sub	1986		124.5	41597.		223.8	74763.		1.797	.3	84.		.00	334.
1	1987	OF	68.2	2115.	125.513	178.5	5535.	133.478	2.617	.2	7.	.323	.00	31.
2	1987	F	31.8	889.	126.402	41.6	1165.	134.643	1.310	.0	1.	.324	.00	28.
3	1987	F	51.4	1387.	127.789	137.2	3705.	138.348	2.671	.1	4.	.328	.00	27.
4	1987	F	29.3	586.	128.375	81.9	1639.	139.987	2.797	.2	3.	.331	.01	20.
5	1987	F	38.7	890.	129.265	92.7	2133.	142.120	2.397	.0	0.	.331	.00	23.
6	1987	F	20.3	466.	129.731	131.0	3012.	145.132	6.464	.0	0.	.331	.00	23.
7	1987	P	53.1	1380.	131.111	.0	0.	145.132	.000	.0	0.	.331	.00	26.
8	1987	P	70.1	1894.	133.005	161.0	4348.	149.480	2.296	.0	0.	.331	.00	27.
9	1987	P	63.4	1901.	134.906	146.7	4400.	153.880	2.315	1.0	30.	.361	.02	30.
10	1987	P	57.5	1782.	136.688	167.4	5188.	159.068	2.911	1.0	31.	.392	.02	31.
Sub	1987		50.0	13290.		117.0	31125.		2.342	.3	76.		.01	266.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIEA COUNTY, N.M.  
 SUN EXPLORATION, FULL SAIL #3 (SE/NW(F) 29-25N-2W) FULLS3.MAL  
 GROSS PRODUCTION



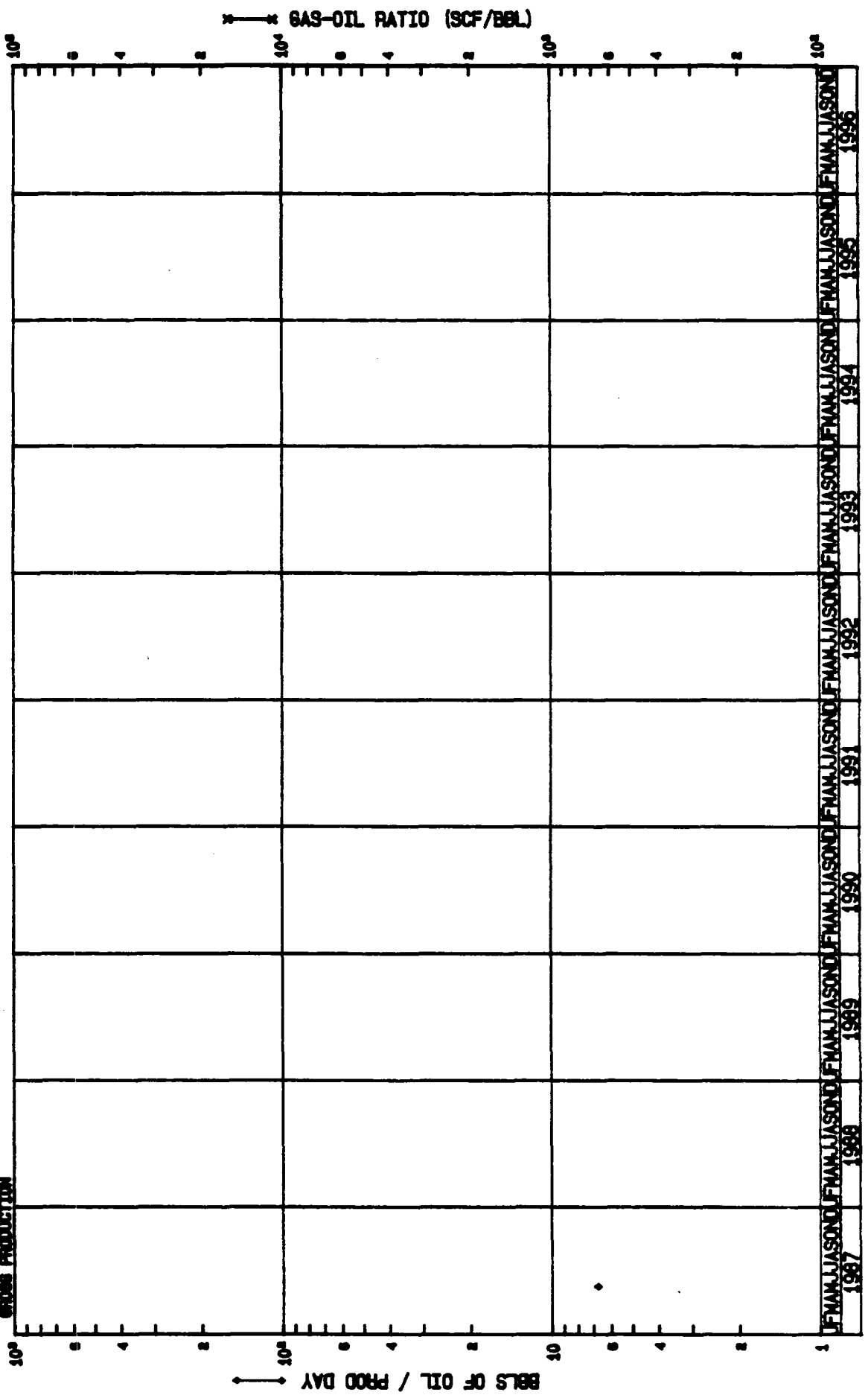


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, FULL SAIL #3 (SE/NW(F) 29-25N-2W) FULLS3.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
5	1986		65.9	1319.	1.319	102.3	2047.	2.047	1.552	.0	0.	.000	.00	20.
6	1986		36.5	1095.	2.414	47.9	1437.	3.484	1.312	.3	10.	.010	.01	30.
7	1986		36.9	1144.	3.558	152.2	4717.	8.201	4.123	.3	10.	.020	.01	31.
8	1986		17.0	526.	4.084	129.9	4028.	12.229	7.658	.2	5.	.025	.01	31.
9	1986		21.7	130.	4.214	16.8	101.	12.330	.777	.2	1.	.026	.01	6.
10	1986		23.3	723.	4.937	87.3	2705.	15.035	3.741	.3	10.	.036	.01	31.
11	1986	GL	22.5	674.	5.611	125.6	3768.	18.803	5.591	.3	10.	.046	.01	30.
12	1986	GL	20.0	579.	6.190	121.7	3528.	22.331	6.093	.3	9.	.055	.02	29.
Sub	1986		29.8	6190.		107.4	22331.		3.608	.3	55.		.01	208.
1	1987	GL	21.8	677.	6.867	152.5	4726.	27.057	6.981	.6	20.	.075	.03	31.
2	1987	GL	21.0	587.	7.454	169.8	4755.	31.812	8.101	.4	10.	.085	.02	28.
3	1987	GL	20.4	631.	8.085	172.0	5333.	37.145	8.452	.3	10.	.095	.02	31.
4	1987	GL	19.0	569.	8.654	135.4	4061.	41.206	7.137	.3	10.	.105	.02	30.
5	1987	GL	18.4	569.	9.223	139.7	4332.	45.538	7.613	.2	5.	.110	.01	31.
6	1987	F	16.6	447.	9.670	512.5	13837.	59.375	30.955	.0	0.	.110	.00	27.
7	1987	F	15.0	449.	10.119	651.6	19548.	78.923	43.537	.0	0.	.110	.00	30.
8	1987	F	13.6	367.	10.486	671.6	18132.	97.055	49.406	.0	0.	.110	.00	27.
9	1987	F	12.9	362.	10.848	730.1	20444.	117.499	56.475	1.0	28.	.138	.08	28.
10	1987	F	14.2	439.	11.287	53.3	1652.	119.151	3.763	1.0	31.	.169	.07	31.
Sub	1987		17.3	5097.		329.3	96820.		18.995	.4	114.		.02	294.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, FULL SAIL #4 (SE/NE (I) 30-28N-2W) FULLS4.MAL  
 OIL PRODUCTION

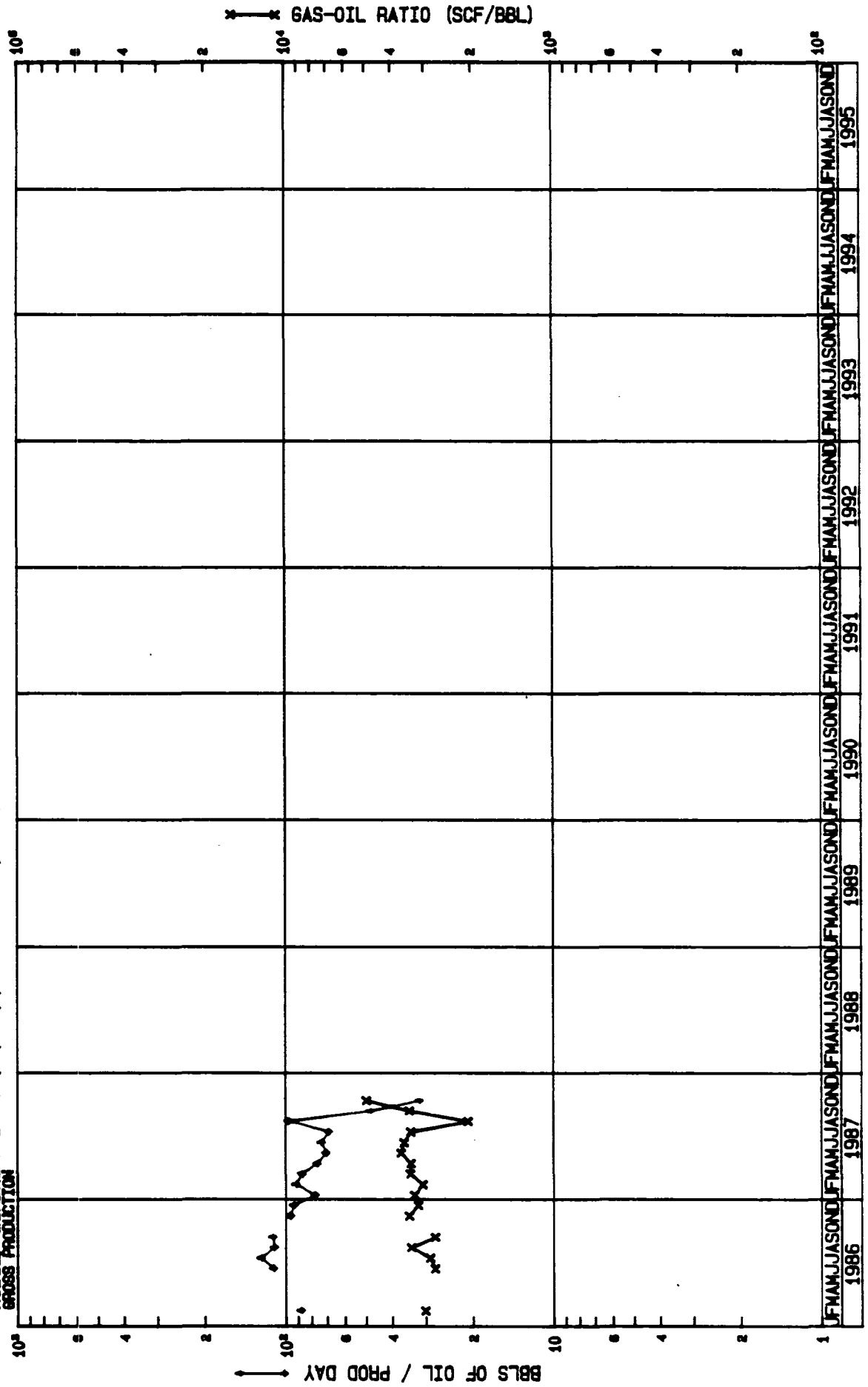


GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
 SUN EXPLORATION, FULL SAIL #4 (SE/NE(I) 30-25N-2W) FULLS4.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
5	1987	F	6.7	208.	.208	.0	0.	.000	.000	.0	0.	.000	.00	0.
6	1987	F	.0	0.	.208	.0	0.	.000	.000	.0	0.	.000	.00	0.
7	1987	F	.0	0.	.208	.0	0.	.000	.000	.0	0.	.000	.00	0.
8	1987	F	.0	0.	.208	888.5	3554.	3.554	.000	.0	0.	.000	.00	4.
9	1987	F	.0	0.	.208	108.5	3254.	6.808	.000	.0	0.	.000	.00	0.
10	1987	F	.0	0.	.208	.0	0.	6.808	.000	.0	0.	.000	.00	0.
Sub	1987		52.0	208.		1702.0	6808.		32.731	.0	0.		.00	4.

\* Per Producing Day

SAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MOBIL LINDRITH B-34 (SW/NE (6) 32-25N-R2W) LINB34.MAL  
 GROSS PRODUCTION

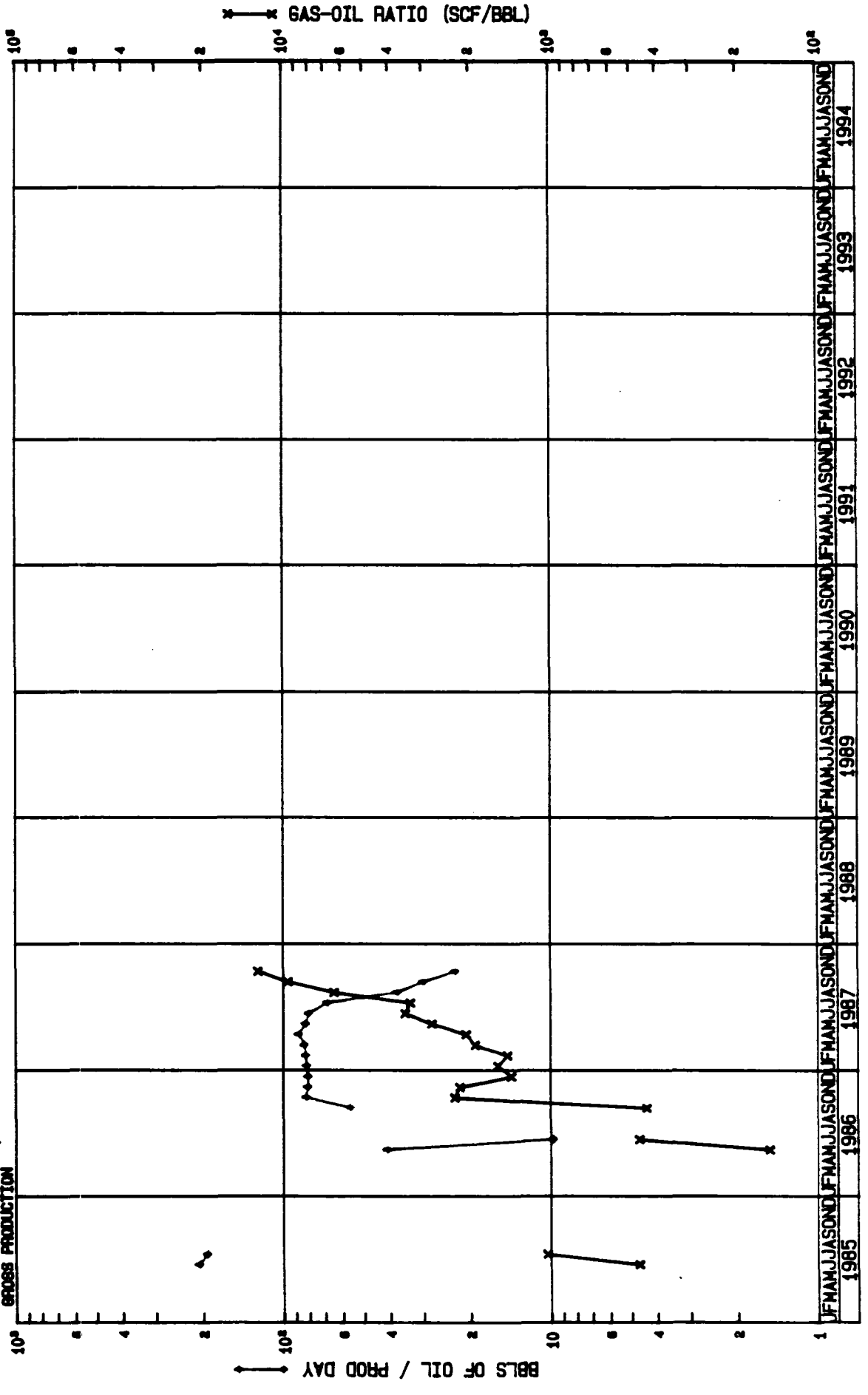


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 MOBIL, LINDRITH B-34 (SW/NE(G) 32-25N-R2W) LINB34.MAL

Mo	Year	Stat	OIL / COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
2	1986		87.9	1495.	1.495	263.6	4481.	4.481	2.997	8.0	136.	.136	.09	17.
3	1986	SI	.0	0.	1.495	.0	0.	4.481	.000	.0	0.	.136	.00	0.
4	1986	SI	.0	0.	1.495	.0	0.	4.481	.000	.0	0.	.136	.00	0.
5	1986	SI	.0	0.	1.495	.0	0.	4.481	.000	.0	0.	.136	.00	0.
6	1986		111.4	2005.	3.500	307.3	5531.	10.012	2.759	10.0	180.	.316	.09	18.
7	1986		123.9	3840.	7.340	356.3	11046.	21.058	2.877	8.1	252.	.568	.07	31.
8	1986		110.6	3207.	10.547	374.0	10845.	31.903	3.382	8.0	232.	.800	.07	29.
9	1986		111.9	2238.	12.785	308.2	6164.	38.067	2.754	8.0	160.	.960	.07	20.
10	1986		.0	0.	12.785	.0	0.	38.067	.000	.0	0.	.960	.00	0.
11	1986	OP	96.3	2215.	15.000	331.8	7631.	45.698	3.445	6.0	138.	1.098	.06	23.
12	1986	OP	93.4	2335.	17.335	297.7	7443.	53.141	3.188	7.1	178.	1.276	.08	25.
Sub	1986		106.3	17335.		326.0	53141.		3.066	7.8	1276.		.07	163.
1	1987	OP	77.9	2258.	19.593	256.3	7434.	60.575	3.292	6.2	180.	1.456	.08	29.
2	1987	P	91.8	2478.	22.071	281.3	7596.	68.171	3.065	5.6	150.	1.606	.06	27.
3	1987	P	87.0	2349.	24.420	295.9	7989.	76.160	3.401	5.5	148.	1.754	.06	27.
4	1987	P	76.1	2132.	26.552	257.9	7222.	83.382	3.387	5.5	154.	1.908	.07	28.
5	1987	P	70.6	2047.	28.599	259.6	7528.	90.910	3.678	5.4	157.	2.065	.08	29.
6	1987	P	73.6	1987.	30.586	264.1	7130.	98.040	3.588	2.4	64.	2.129	.03	27.
7	1987	P	69.2	2144.	32.730	234.4	7265.	105.305	3.389	2.0	62.	2.191	.03	31.
8	1987	P	97.5	2731.	35.461	202.1	5659.	110.964	2.072	2.0	56.	2.247	.02	28.
9	1987	P	48.4	1453.	36.914	166.3	4988.	115.952	3.433	1.1	33.	2.280	.02	30.
10	1987	P	31.7	888.	37.802	157.3	4403.	120.355	4.958	1.0	28.	2.308	.03	28.
Sub	1987		72.1	20467.		236.7	67214.		3.284	3.6	1032.		.05	284.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, DR. DADDY-0 #1 (NE/NW (C) 33-25N-2W) DD01.MAL  
 GROSS PRODUCTION

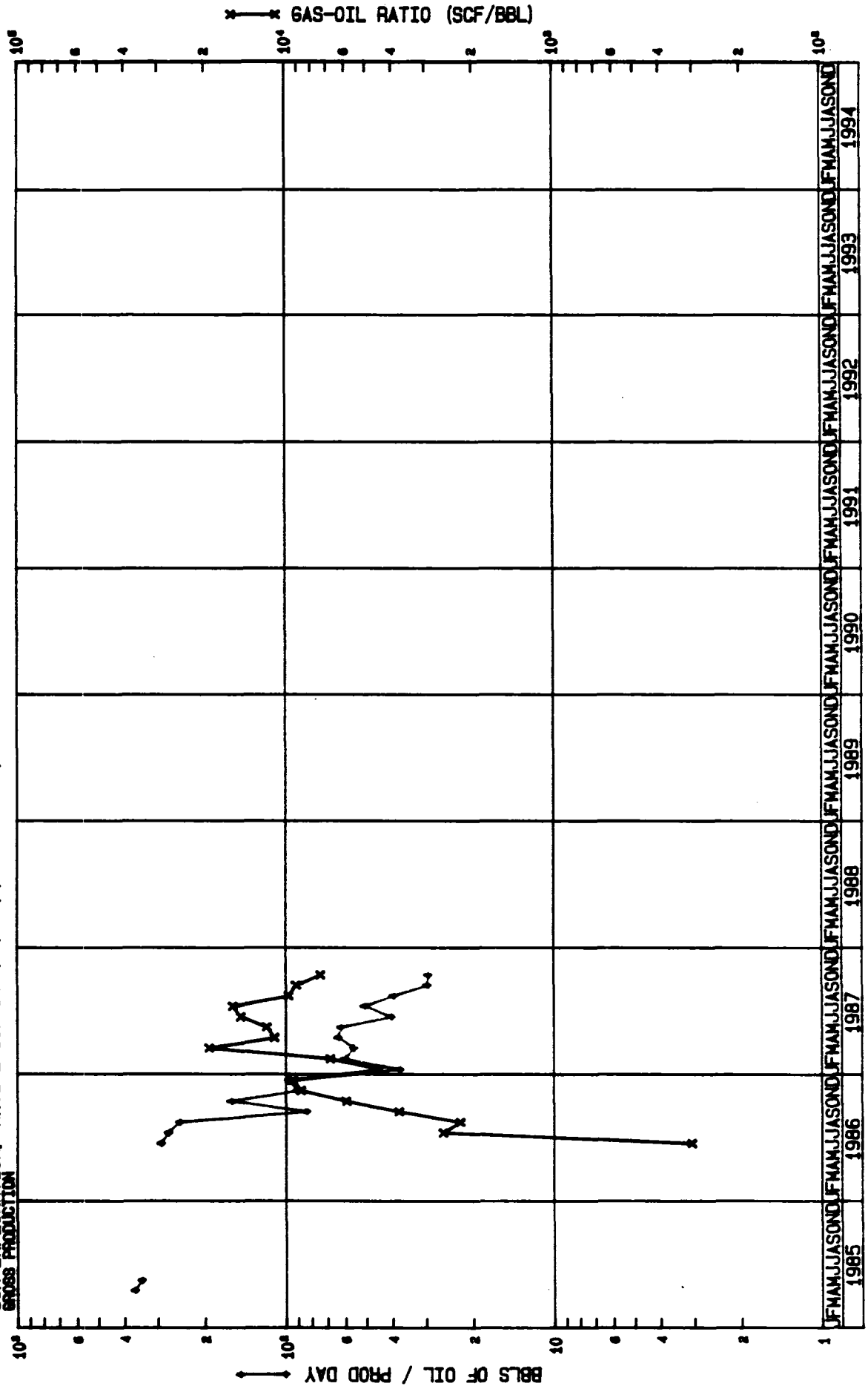


GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
 SUN EXPLORATION, DR. DADDY-O #1 (NE/NW(C) 33-25N-2W) DD01.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
6	1985		207.0	1035.	1.035	95.8	479.	.479	.463	.0	0.	.000	.00	5.
7	1985		193.8	6037.	7.042	198.5	6152.	6.631	1.024	.2	5.	.005	.00	31.
8	1985	SI	.0	0.	7.042	.0	0.	6.631	.000	.0	0.	.005	.00	0.
9	1985	SI	.0	0.	7.042	.0	0.	6.631	.000	.0	0.	.005	.00	0.
10	1985	SI	.0	0.	7.042	.0	0.	6.631	.000	.0	0.	.005	.00	0.
11	1985	SI	.0	0.	7.042	.0	0.	6.631	.000	.0	0.	.005	.00	0.
12	1985	SI	.0	0.	7.042	.0	0.	6.631	.000	.0	0.	.005	.00	0.
Sub 1985			195.6	7042.		184.2	6631.		.942	.1	5.		.00	36.
1	1986	SI	.0	0.	7.042	.0	0.	6.631	.000	.0	0.	.005	.00	0.
2	1986	SI	.0	0.	7.042	.0	0.	6.631	.000	.0	0.	.005	.00	0.
3	1986	SI	.0	0.	7.042	.0	0.	6.631	.000	.0	0.	.005	.00	0.
4	1986	SI	.0	0.	7.042	.0	0.	6.631	.000	.0	0.	.005	.00	0.
5	1986		41.2	783.	7.825	6.2	118.	6.749	.151	.5	10.	.015	.01	19.
6	1986		9.9	59.	7.894	4.6	32.	6.781	.464	.1	1.	.016	.01	7.
7	1986		.0	0.	7.894	.0	0.	6.781	.000	.0	0.	.016	.00	0.
8	1986		.0	0.	7.894	.0	0.	6.781	.000	.0	0.	.016	.00	0.
9	1986		56.5	339.	8.233	24.5	147.	6.928	.434	.5	3.	.019	.01	6.
10	1986		82.5	2558.	10.791	187.4	5808.	12.736	2.271	.3	10.	.029	.00	31.
11	1986	GL	81.2	2437.	13.228	176.7	5300.	18.036	2.175	.3	10.	.039	.00	30.
12	1986	GL	81.2	2518.	15.746	113.2	3510.	21.546	1.394	.3	10.	.049	.00	31.
Sub 1986			70.2	8704.		120.3	14915.		1.714	.4	44.		.01	124.
1	1987	GL	82.0	2543.	18.289	128.5	3984.	25.530	1.567	.5	15.	.064	.01	31.
2	1987	GL	83.0	2324.	20.613	119.6	3350.	28.880	1.441	.4	10.	.074	.00	28.
3	1987	GL	83.8	2597.	23.210	159.7	4952.	33.832	1.907	.5	15.	.089	.01	31.
4	1987	GL	88.0	2639.	25.849	181.1	5433.	39.265	2.059	.3	10.	.099	.00	30.
5	1987	GL	82.8	2567.	28.416	229.2	7104.	46.369	2.767	.3	10.	.109	.00	31.
6	1987	P	80.8	2181.	30.597	281.6	7604.	53.973	3.486	12.0	324.	.433	.15	27.
7	1987	P	68.8	2054.	32.661	229.4	6881.	60.854	3.334	.0	0.	.433	.00	30.
8	1987	P	37.7	1018.	33.679	242.3	6541.	67.395	6.425	.0	0.	.433	.00	27.
9	1987	P	30.1	933.	34.582	287.6	8627.	76.022	9.554	.0	0.	.433	.00	30.
10	1987	P	22.9	739.	35.291	282.5	8756.	84.778	12.350	.0	0.	.433	.00	31.
Sub 1987			66.0	19545.		213.6	63232.		3.235	1.3	384.		.02	296.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, NATIVE SON #3 (NE/SE (1) 33-25N-2W) NATIV3.MAL



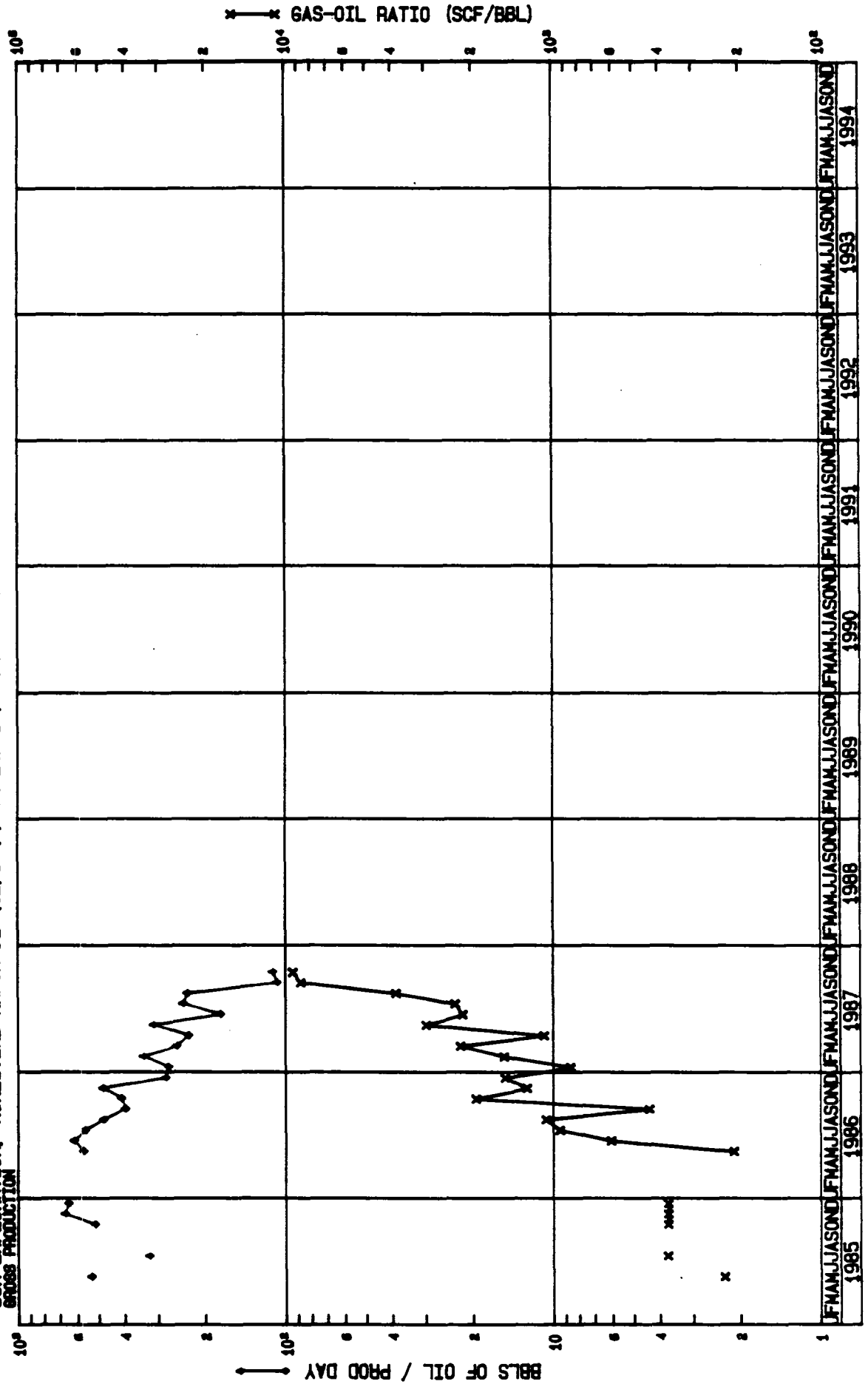


GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 SUN EXPLORATION, NATIVE SC# #3 (NE/SE(I) 33-25N-2W) NATIV3.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
4	1985		367.0	367.	.367	.0	0.	.000	.000	.0	0.	.000	.00	1.
5	1985		346.0	346.	.713	.0	0.	.000	.000	.0	0.	.000	.00	1.
6	1985	SI	.0	0.	.713	.0	0.	.000	.000	.0	0.	.000	.00	0.
7	1985	SI	.0	0.	.713	.0	0.	.000	.000	.0	0.	.000	.00	0.
8	1985	SI	.0	0.	.713	.0	0.	.000	.000	.0	0.	.000	.00	0.
9	1985	SI	.0	0.	.713	.0	0.	.000	.000	.0	0.	.000	.00	0.
10	1985	SI	.0	0.	.713	.0	0.	.000	.000	.0	0.	.000	.00	0.
11	1985	SI	.0	0.	.713	.0	0.	.000	.000	.0	0.	.000	.00	0.
12	1985	SI	.0	0.	.713	.0	0.	.000	.000	.0	0.	.000	.00	0.
Sub 1985			356.5	713.		.0	0.		.000	.0	0.		.00	2.
1	1986	SI	.0	0.	.713	.0	0.	.000	.000	.0	0.	.000	.00	0.
2	1986	SI	.0	0.	.713	.0	0.	.000	.000	.0	0.	.000	.00	0.
3	1986	SI	.0	0.	.713	.0	0.	.000	.000	.0	0.	.000	.00	0.
4	1986	SI	.0	0.	.713	.0	0.	.000	.000	.0	0.	.000	.00	0.
5	1986	SI	.0	0.	.713	.0	0.	.000	.000	.0	0.	.000	.00	0.
6	1986		292.7	2049.	2.762	89.1	624.	.624	.305	.6	4.	.004	.00	7.
7	1986		274.4	4665.	7.427	708.4	12043.	12.667	2.582	.3	5.	.009	.00	17.
8	1986		249.9	7248.	14.675	557.0	16153.	28.820	2.229	.2	5.	.014	.00	29.
9	1986		84.2	505.	15.180	317.3	1904.	30.724	3.770	.3	2.	.016	.00	6.
10	1986		159.8	1758.	16.938	946.6	10413.	41.137	5.923	.1	1.	.017	.00	11.
11	1986	OF	90.7	816.	17.754	790.3	7113.	48.250	8.717	.1	1.	.018	.00	9.
12	1986	OF	97.5	780.	18.534	911.9	7295.	55.545	9.353	.1	1.	.019	.00	8.
Sub 1986			204.8	17821.		638.4	55545.		3.117	.2	19.		.00	87.
1	1987	OF	37.6	714.	19.248	167.1	3175.	58.720	4.447	.1	2.	.021	.00	19.
2	1987	F	60.3	724.	19.972	409.3	4911.	63.631	6.783	.3	3.	.024	.00	12.
3	1987	F	55.9	559.	20.531	1072.5	10725.	74.356	19.186	.2	2.	.026	.00	10.
4	1987	F	63.9	703.	21.234	701.0	7711.	82.067	10.969	.2	2.	.028	.00	11.
5	1987	F	62.5	625.	21.859	732.7	7327.	89.394	11.723	.1	1.	.029	.00	10.
6	1987	F	40.5	608.	22.467	593.9	8909.	98.303	14.653	.0	0.	.029	.00	15.
7	1987	F	51.1	1328.	23.795	800.7	20817.	119.120	15.675	.0	0.	.029	.00	26.
8	1987	F	39.8	1075.	24.870	387.0	10449.	129.569	9.720	.0	0.	.029	.00	27.
9	1987	F	29.8	863.	25.733	270.7	7850.	137.419	9.096	1.0	29.	.058	.03	29.
10	1987	F	29.4	912.	26.645	217.1	6729.	144.148	7.378	1.0	31.	.089	.03	31.
Sub 1987			42.7	8111.		466.3	88603.		10.924	.4	70.		.01	190.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA CO.  
 SUN EXPLORATION, HOMESTEAD RANCH #2 (SE/SW (N) 34-25N-2W) HORR2.MAL  
 GROSS PRODUCTION

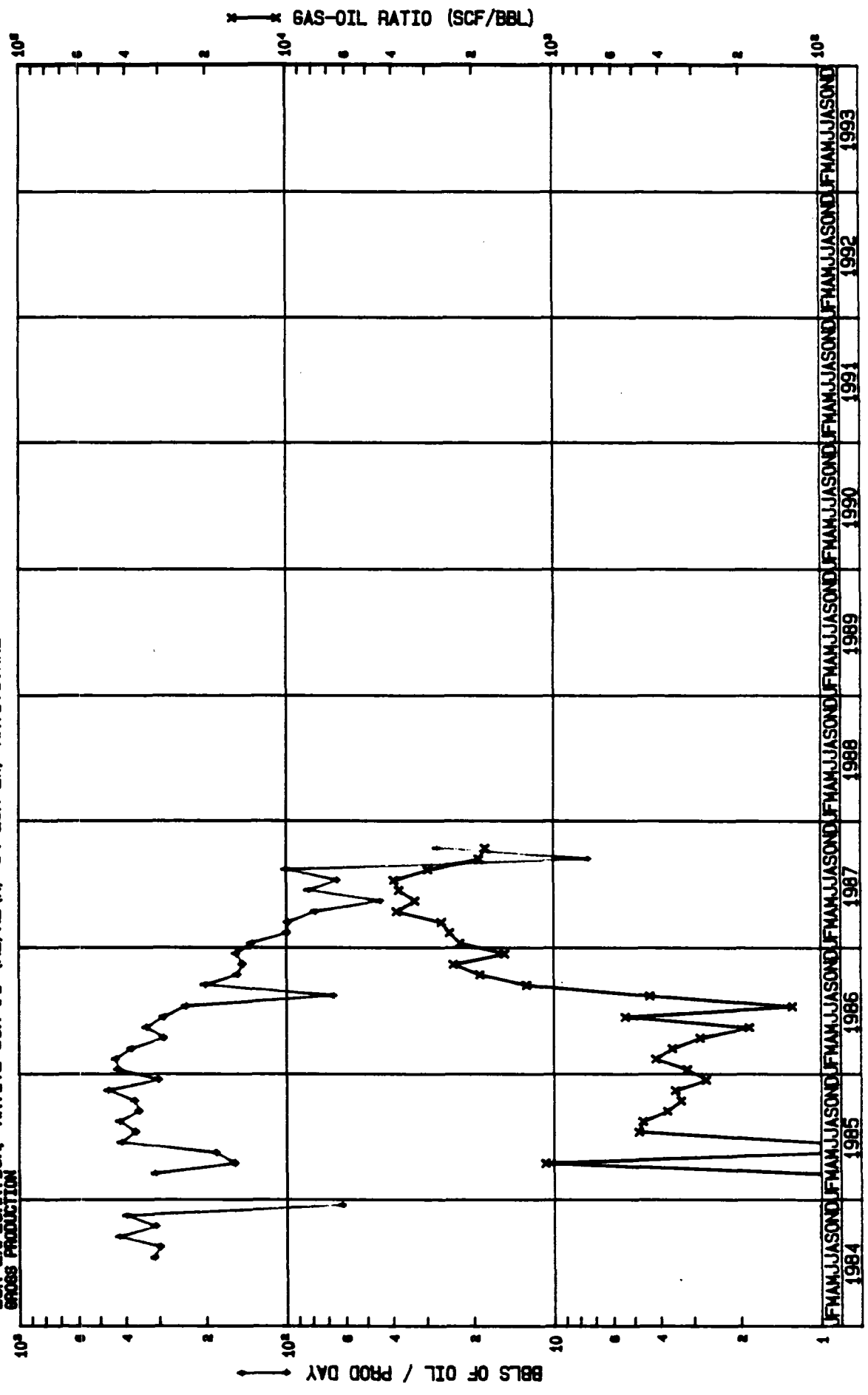


GAVILAN MANCOS FIELD, RIO ARRIBA CO.  
 SUN EXPLORATION, HOMESTEAD RANCH #2 (SE/SW(N) 34-25N-2W) HORA2.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
5	1985	O	533.4	2667.	2.667	122.0	610.	.610	.229	.0	0.	.000	.00	5.
6	1985	SI	.0	0.	2.667	.0	0.	.610	.000	.0	0.	.000	.00	0.
7	1985	O	323.0	646.	3.313	120.0	240.	.850	.372	5.0	10.	.010	.02	2.
8	1985	SI	.0	0.	3.313	.0	0.	.850	.000	.0	0.	.010	.00	0.
9	1985	SI	.0	0.	3.313	.0	0.	.850	.000	.0	0.	.010	.00	0.
10	1985	O	517.1	4654.	7.967	191.9	1727.	2.577	.371	.6	5.	.015	.00	9.
11	1985	O	670.2	20105.	28.072	248.7	7460.	10.037	.371	.3	10.	.025	.00	30.
12	1985	O	648.7	12973.	41.045	240.7	4814.	14.851	.371	.5	10.	.035	.00	20.
Sub	1985		621.9	41045.		225.0	14851.		.362	.5	35.		.00	66.
1	1986	SI	.0	0.	41.045	.0	0.	14.851	.000	.0	0.	.035	.00	0.
2	1986	SI	.0	0.	41.045	.0	0.	14.851	.000	.0	0.	.035	.00	0.
3	1986	SI	.0	0.	41.045	.0	0.	14.851	.000	.0	0.	.035	.00	0.
4	1986	SI	.0	0.	41.045	.0	0.	14.851	.000	.0	0.	.035	.00	0.
5	1986	O	570.0	14249.	55.294	119.7	2992.	17.843	.210	.0	0.	.035	.00	25.
6	1986		618.5	18555.	73.849	373.7	11212.	29.055	.604	.0	0.	.035	.00	30.
7	1986		560.7	17383.	91.232	526.2	16311.	45.366	.938	.0	0.	.035	.00	31.
8	1986		477.3	13841.	105.073	504.4	14628.	59.994	1.057	.0	0.	.035	.00	29.
9	1986		397.0	2382.	107.455	172.3	1034.	61.028	.434	.0	0.	.035	.00	6.
10	1986		410.8	5340.	112.795	793.1	10310.	71.338	1.931	.0	0.	.035	.00	13.
11	1986	OF	482.0	5302.	118.097	601.0	6611.	77.949	1.247	.0	0.	.035	.00	11.
12	1986	OF	280.7	3930.	122.027	422.7	5918.	83.867	1.506	.0	0.	.035	.00	14.
Sub	1986		509.3	80982.		434.1	69016.		.852	.0	0.		.00	159.
1	1987	OF	273.6	4378.	126.405	233.8	3741.	87.608	.854	.0	0.	.035	.00	16.
2	1987	F	339.1	5425.	131.830	513.3	8213.	95.821	1.514	.0	0.	.035	.00	16.
3	1987	F	254.6	3310.	135.140	561.3	7297.	103.118	2.205	.0	0.	.035	.00	13.
4	1987	F	229.8	2987.	138.127	246.8	3209.	106.327	1.074	.0	0.	.035	.00	13.
5	1987	F	311.0	3421.	141.548	920.4	10124.	116.451	2.959	.0	0.	.035	.00	11.
6	1987	F	175.1	1751.	143.299	379.6	3796.	120.247	2.168	.0	0.	.035	.00	10.
7	1987	F	241.3	7480.	150.779	558.7	17321.	137.568	2.316	.0	0.	.035	.00	31.
8	1987	F	231.6	6252.	157.031	887.9	23974.	161.542	3.835	.0	0.	.035	.00	27.
9	1987	F	107.3	3111.	160.142	934.3	27094.	188.636	8.709	.0	0.	.035	.00	29.
10	1987	F	111.2	3448.	163.590	1034.9	32083.	220.719	9.305	.0	0.	.035	.00	31.
Sub	1987		211.0	41563.		694.7	136852.		3.293	.0	0.		.00	197.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA CO., N. M.  
 SUN EXPLORATION, NATIVE SON #1 (NE/NE (A) 34-25N-2W) NATIVE 1. MAL  
 GROSS PRODUCTION

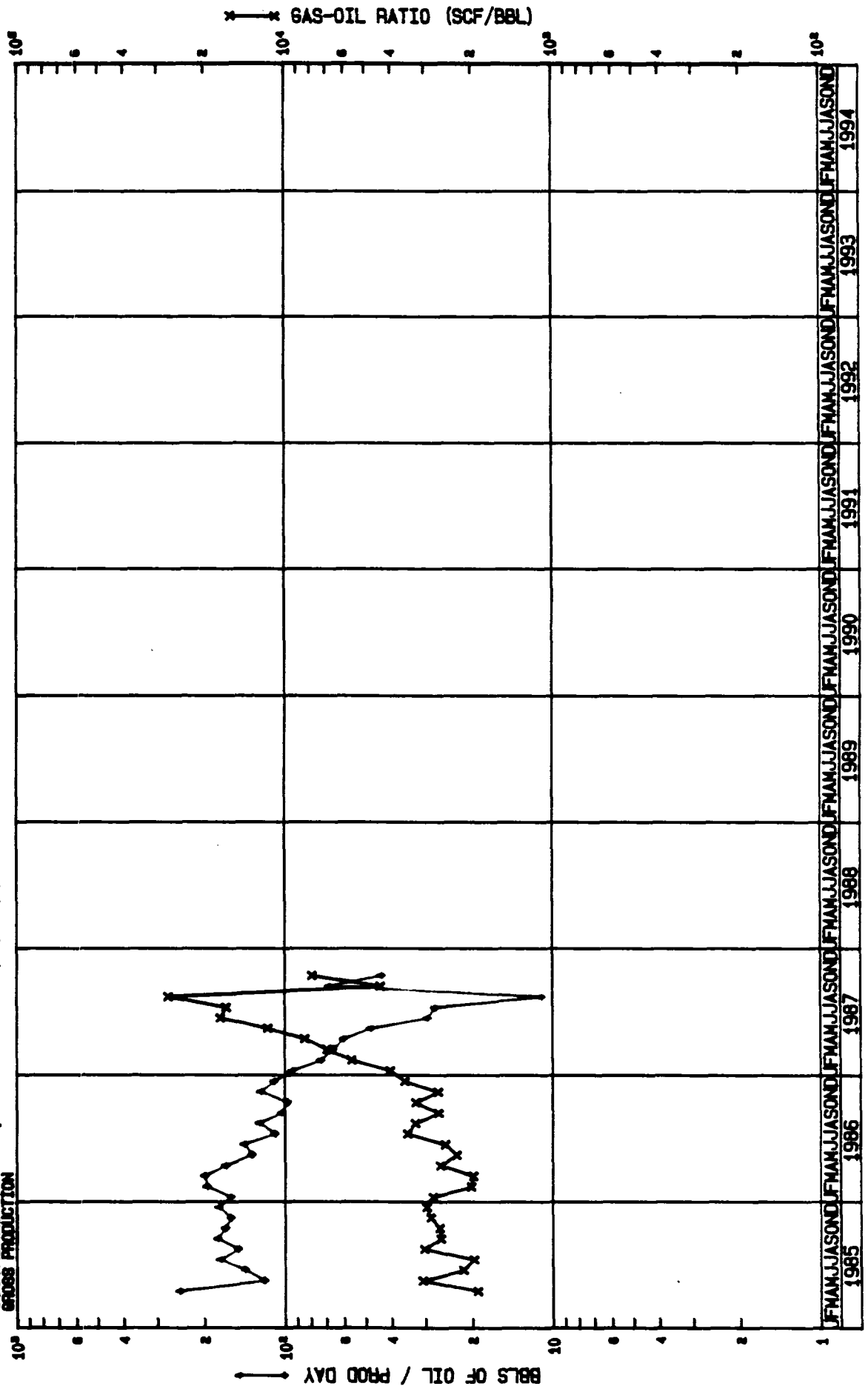


GAVILAN MANCOS FIELD, RIO ARRIBA CO., N.M.  
SUN EXPLORATION, NATIVE SON #1 (NE/NE(A) 34-25N-2W) NATIV1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
7	1984		311.9	5927.	5.927	.0	0.	.000	.000	2.0	38.	.038	.01	19.
8	1984		298.0	8939.	14.866	.0	0.	.000	.000	2.1	62.	.100	.01	30.
9	1984		422.8	12683.	27.549	1.6	48.	.048	.004	.3	10.	.110	.00	30.
10	1984		309.5	9284.	36.833	1.7	50.	.098	.005	.3	10.	.120	.00	30.
11	1984		398.1	11944.	48.777	1.6	48.	.146	.004	.0	0.	.120	.00	30.
12	1984		62.0	62.	48.839	2.0	2.	.148	.032	.0	0.	.120	.00	1.
Sub	1984		348.9	48839.		1.1	148.		.003	.9	120.		.00	140.
1	1985	SI	.0	0.	48.839	.0	0.	.148	.000	.0	0.	.120	.00	0.
2	1985	SI	.0	0.	48.839	.0	0.	.148	.000	.0	0.	.120	.00	0.
3	1985		311.0	1244.	50.083	1.5	6.	.154	.005	.3	1.	.121	.00	4.
4	1985		156.2	4686.	54.769	166.8	5004.	5.158	1.068	.0	0.	.121	.00	30.
5	1985		184.0	5705.	60.474	10.7	331.	5.489	.058	.0	0.	.121	.00	31.
6	1985		415.1	12454.	72.928	19.5	586.	6.075	.047	.0	0.	.121	.00	0.
7	1985		367.1	11381.	84.309	175.1	5428.	11.503	.477	.0	0.	.121	.00	31.
8	1985		421.8	13675.	97.384	194.8	6039.	17.542	.462	.6	20.	.141	.00	31.
9	1985		357.1	10714.	108.098	133.6	4009.	21.551	.374	.0	0.	.141	.00	30.
10	1985		371.0	11500.	119.598	123.5	3828.	25.379	.333	.0	0.	.141	.00	31.
11	1985		465.7	12575.	132.173	162.8	4395.	29.774	.350	.0	0.	.141	.00	27.
12	1985		302.3	9370.	141.543	81.1	2514.	32.288	.268	.0	0.	.141	.00	31.
Sub	1985		376.8	92704.		130.7	32140.		.347	.1	21.		.00	246.
1	1986		426.7	11521.	153.064	134.2	3623.	35.911	.314	.0	0.	.141	.00	27.
2	1986		435.2	11750.	164.814	179.7	4851.	40.762	.413	.0	0.	.141	.00	27.
3	1986		379.9	11776.	176.590	136.0	4216.	44.978	.358	.0	0.	.141	.00	31.
4	1986		287.9	8636.	185.226	81.1	2432.	47.410	.282	.0	0.	.141	.00	30.
5	1986		334.5	10370.	195.596	61.7	1912.	49.322	.184	.0	0.	.141	.00	31.
6	1986		288.1	8643.	204.239	154.4	4633.	53.955	.536	.0	0.	.141	.00	30.
7	1986		238.3	7387.	211.626	30.3	940.	54.895	.127	.0	0.	.141	.00	31.
8	1986		67.0	2077.	213.703	29.2	904.	55.799	.435	.0	0.	.141	.00	31.
9	1986		202.3	2428.	216.131	254.5	3054.	58.853	1.258	.0	0.	.141	.00	12.
10	1986		152.4	4266.	220.397	285.8	8001.	66.854	1.876	.2	5.	.146	.00	28.
11	1986	OF	145.7	3206.	223.603	343.4	7554.	74.408	2.356	.1	3.	.149	.00	22.
12	1986	OF	154.4	3242.	226.845	233.9	4911.	79.319	1.515	.3	6.	.155	.00	21.
Sub	1986		265.7	85302.		146.5	47031.		.551	.0	14.		.00	321.
1	1987	OF	135.1	3648.	230.493	301.2	8133.	87.452	2.229	.3	8.	.163	.00	27.
2	1987	F	99.4	2783.	233.276	242.3	6784.	94.236	2.438	.2	5.	.168	.00	28.
3	1987	F	98.7	2567.	235.843	258.1	6710.	100.946	2.614	.0	0.	.168	.00	26.
4	1987	F	78.2	1798.	237.641	300.6	6914.	107.860	3.845	.0	0.	.168	.00	23.
5	1987	F	44.6	1383.	239.024	146.8	4552.	112.412	3.291	.0	0.	.168	.00	31.
6	1987	F	83.0	1908.	240.932	313.0	7200.	119.612	3.774	.0	0.	.168	.00	23.
7	1987	F	64.6	2002.	242.934	253.7	7865.	127.477	3.929	.0	0.	.168	.00	31.
8	1987	F	100.4	2710.	245.644	294.4	7948.	135.425	2.933	.0	0.	.168	.00	27.
9	1987	F	7.4	208.	245.852	14.0	393.	135.818	1.889	1.0	28.	.196	.13	28.
10	1987	F	27.3	846.	246.698	48.8	1513.	137.331	1.788	1.0	31.	.227	.04	31.
Sub	1987		72.2	19853.		211.0	58012.		2.922	.3	72.		.00	275.

\* Per Producing Day

GAVILAN, MANCOS FIELD, RIO ARRIBA CO., N.M.  
 SOUTHLAND ROYALTY, HAWK FED #2 (NE/NW)(C) 35-25N-2W) HAWK2.MAL  
 GROSS PRODUCTION

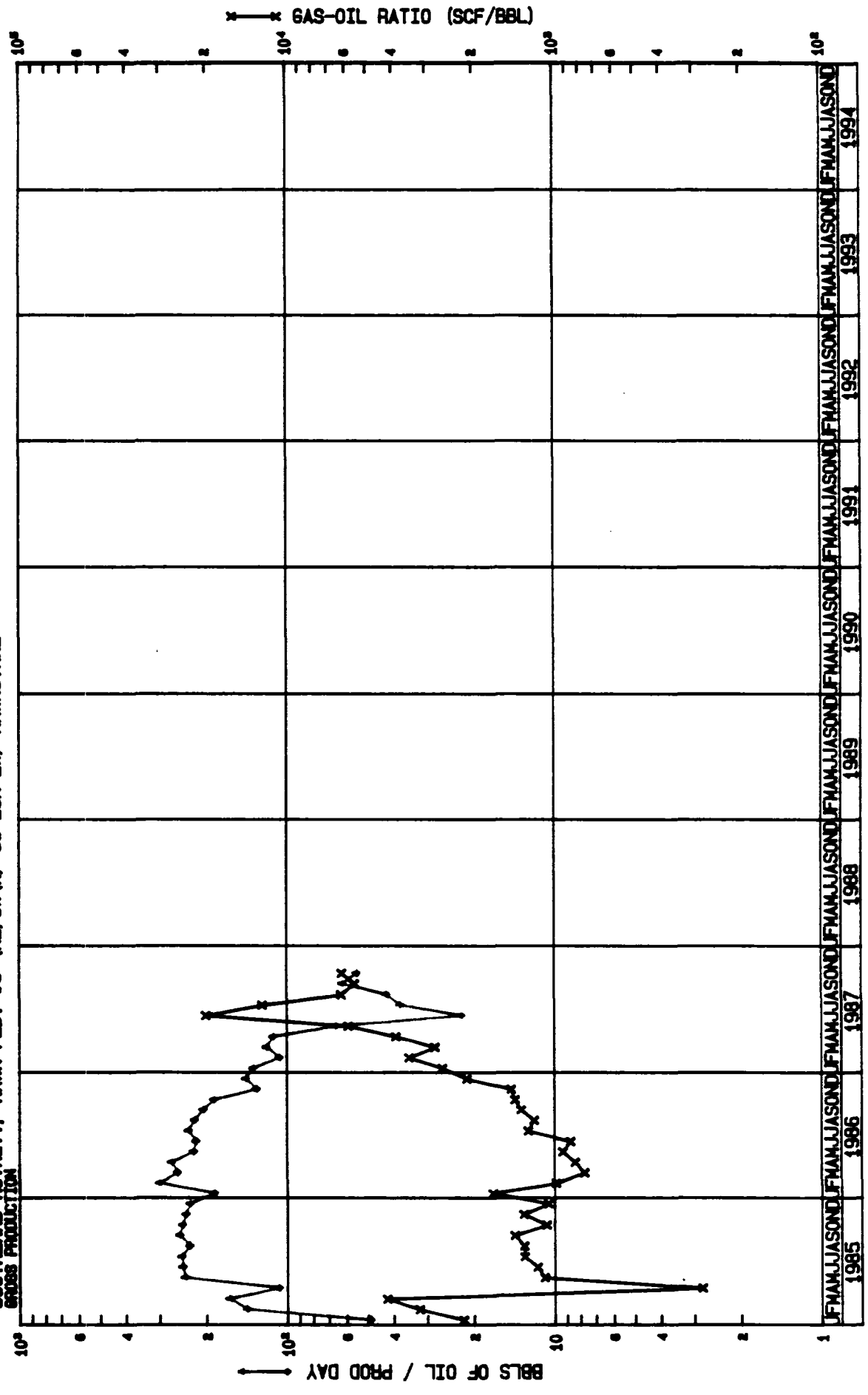


GAVILAN, MANCOS FIELD, RIO ARRIBA CO., N.M.  
 SOUTHLAND ROYALTY, HAWK FED #2 (NE/NW(C) 35-25N-2W) HAWK2.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER			Days Prod	
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB		WOR B/B
12	1984		.0	0.	.000	.0	0.	.000	.000	.0	0.	.000	.00	31.
Sub 1984			.0	0.		.0	0.		.000	.0	0.		.00	31.
1	1985	SI	.0	0.	.000	.0	0.	.000	.000	.0	0.	.000	.00	0.
2	1985	SI	.0	0.	.000	.0	0.	.000	.000	.0	0.	.000	.00	0.
3	1985	SI	.0	0.	.000	.0	0.	.000	.000	.0	0.	.000	.00	0.
4	1985		247.1	5683.	5.683	468.3	10770.	10.770	1.895	1.0	23.	.023	.00	23.
5	1985		119.9	3718.	9.401	365.3	11325.	22.095	3.046	.3	10.	.033	.00	31.
6	1985		141.5	3963.	13.364	304.0	8512.	30.607	2.148	2.1	59.	.092	.01	28.
7	1985		174.2	5399.	18.763	340.3	10550.	41.157	1.954	.3	9.	.101	.00	31.
8	1985		149.5	4635.	23.398	448.3	13897.	55.054	2.998	.1	4.	.105	.00	31.
9	1985		178.3	3922.	27.320	465.0	10229.	65.283	2.608	.1	2.	.107	.00	22.
10	1985		167.0	5178.	32.498	440.2	13646.	78.929	2.635	.0	0.	.107	.00	31.
11	1985		159.5	4147.	36.645	453.2	11782.	90.711	2.841	.0	0.	.107	.00	26.
12	1985		176.4	4763.	41.408	517.7	13978.	104.689	2.935	.0	0.	.107	.00	27.
Sub 1985			165.6	41408.		418.8	104689.		2.528	.4	107.		.00	250.
1	1986		159.3	3345.	44.753	443.0	9304.	113.993	2.781	1.0	20.	.127	.01	21.
2	1986		195.5	3910.	48.663	391.6	7832.	121.825	2.003	5.1	101.	.228	.03	20.
3	1986		199.0	5372.	54.035	391.8	10578.	132.403	1.969	1.0	27.	.255	.01	27.
4	1986		166.5	4662.	58.697	435.1	12183.	144.586	2.613	.5	13.	.268	.00	28.
5	1986		132.6	4112.	62.809	300.8	9326.	153.912	2.268	.2	6.	.274	.00	31.
6	1986		141.6	4247.	67.056	353.9	10617.	164.529	2.500	.3	9.	.283	.00	30.
7	1986		109.1	3381.	70.437	377.4	11698.	176.227	3.460	.3	9.	.292	.00	31.
8	1986		124.7	3865.	74.302	403.9	12522.	188.749	3.240	.3	10.	.302	.00	31.
9	1986		102.8	2982.	77.284	272.2	7895.	196.644	2.648	.0	0.	.302	.00	29.
10	1986		97.8	2152.	79.436	315.1	6933.	203.577	3.222	.0	1.	.303	.00	22.
11	1986	OP	122.9	2704.	82.140	326.7	7187.	210.764	2.658	.0	1.	.304	.00	22.
12	1986	OP	109.8	2196.	84.336	389.0	7780.	218.544	3.543	.4	8.	.312	.00	20.
Sub 1986			137.6	42928.		364.9	113855.		2.652	.7	205.		.00	312.
1	1987	OP	93.6	1779.	86.115	375.5	7134.	225.678	4.010	.4	7.	.319	.00	19.
2	1987	P	73.4	1248.	87.363	409.7	6965.	232.643	5.581	.4	6.	.325	.00	17.
3	1987	P	66.1	1057.	88.420	455.4	7286.	239.929	6.893	.4	6.	.331	.01	16.
4	1987	P	60.3	904.	89.324	503.8	7557.	247.486	8.360	.3	5.	.336	.01	15.
5	1987	P	47.7	668.	89.992	548.3	7676.	255.162	11.491	.4	5.	.341	.01	14.
6	1987	P	29.4	529.	90.521	507.6	9136.	264.298	17.270	.3	6.	.347	.01	18.
7	1987	P	27.5	854.	91.375	451.9	14008.	278.306	16.403	.4	11.	.358	.01	31.
8	1987	P	11.0	342.	91.717	297.6	9226.	287.532	26.977	.4	11.	.369	.03	31.
9	1987	P	68.3	1980.	93.697	297.9	8640.	296.172	4.364	.3	10.	.379	.01	29.
10	1987	P	43.6	1352.	95.049	342.5	10617.	306.789	7.853	.4	11.	.390	.01	31.
Sub 1987			48.5	10713.		399.3	88245.		8.237	.4	78.		.01	221.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARriba CO, NM  
 SOUTH AND ROYALTY, HANK FED. #3 (NE/SW (K) 35-25N-2W) HANK3.MAL  
 GROSS PRODUCTION



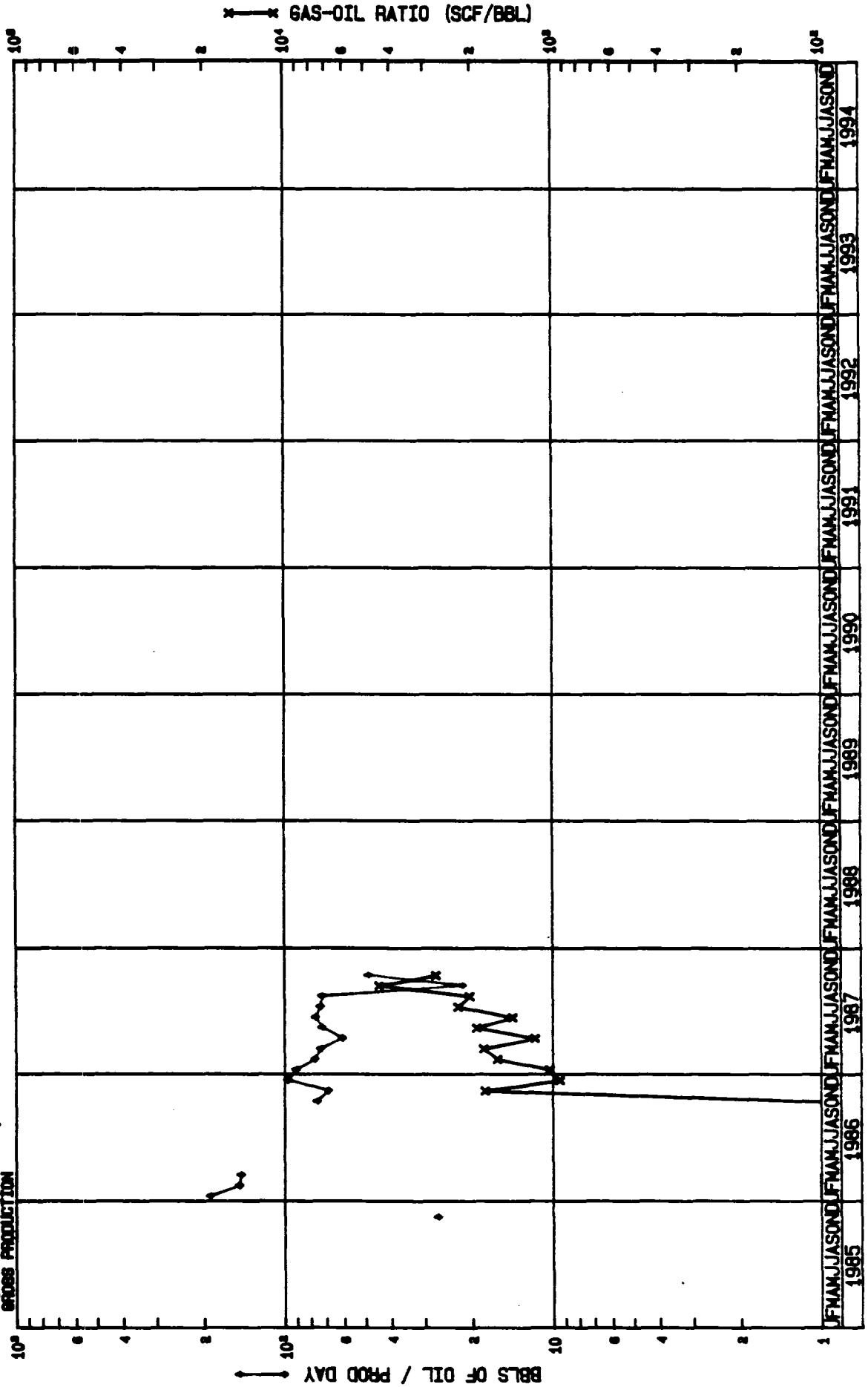


GAVILAN MANCOS FIELD, RIO ARRIBA CO., NM  
 SOUTHLAND ROYALTY, HAWK FED. #3 (NE/SW(K) 35-25N-2W) HAWK3.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
1	1985		49.0	735.	.735	106.7	1600.	1.600	2.177	28.7	430.	.430	.59	15.
2	1985		142.3	3984.	4.719	453.2	12689.	14.289	3.185	3.5	97.	.527	.02	28.
3	1985		164.8	5110.	9.829	694.0	21515.	35.804	4.210	.5	16.	.543	.00	31.
4	1985		108.0	2269.	12.098	30.0	631.	36.435	.278	.3	7.	.550	.00	21.
5	1985		241.9	7258.	19.356	262.5	7874.	44.309	1.085	.3	10.	.560	.00	30.
6	1985		246.9	7406.	26.762	284.8	8544.	52.853	1.154	.1	3.	.563	.00	30.
7	1985		248.7	7461.	34.223	320.2	9606.	62.459	1.287	.3	8.	.571	.00	30.
8	1985		232.5	7209.	41.432	300.9	9327.	71.786	1.294	.1	4.	.575	.00	31.
9	1985		253.9	7363.	48.795	356.0	10325.	82.111	1.402	.2	5.	.580	.00	29.
10	1985		247.2	7662.	56.457	263.3	8162.	90.273	1.065	.0	0.	.580	.00	31.
11	1985		239.9	6238.	62.695	311.4	8097.	98.370	1.298	.0	0.	.580	.00	26.
12	1985		232.2	6036.	68.731	243.6	6333.	104.703	1.049	.0	0.	.580	.00	26.
Sub	1985		209.5	68731.		319.2	104703.		1.523	1.8	580.		.01	328.
1	1986		188.1	4702.	73.433	318.0	7949.	112.652	1.691	1.0	24.	.604	.01	25.
2	1986		301.6	7539.	80.972	296.6	7414.	120.066	.983	1.6	41.	.645	.01	25.
3	1986		257.5	7468.	88.440	197.4	5725.	125.791	.767	.5	15.	.660	.00	29.
4	1986		271.1	7590.	96.030	225.6	6316.	132.107	.832	.2	5.	.665	.00	28.
5	1986		224.5	6959.	102.989	207.5	6431.	138.538	.924	.1	3.	.668	.00	31.
6	1986		219.8	6594.	109.583	190.1	5704.	144.242	.865	1.0	31.	.699	.00	30.
7	1986		234.2	7261.	116.844	291.6	9041.	153.283	1.245	.6	20.	.719	.00	31.
8	1986		222.5	6898.	123.742	263.5	8169.	161.452	1.184	.4	12.	.731	.00	31.
9	1986		206.4	4540.	128.282	273.1	6009.	167.461	1.324	.3	6.	.737	.00	22.
10	1986		188.2	4705.	132.987	262.8	6571.	174.032	1.397	.1	3.	.740	.00	25.
11	1986	OP	130.4	2347.	135.334	187.9	3383.	177.415	1.441	.1	2.	.742	.00	18.
12	1986	OP	143.1	4151.	139.485	302.4	8770.	186.185	2.113	.1	4.	.746	.00	29.
Sub	1986		218.4	70754.		251.5	81482.		1.152	.5	166.		.00	324.
1	1987	OP	134.5	3094.	142.579	350.8	8069.	194.254	2.608	.4	9.	.755	.00	23.
2	1987	P	107.1	2034.	144.613	372.3	7074.	201.328	3.478	.4	8.	.763	.00	19.
3	1987	P	119.8	1078.	145.691	333.0	2997.	204.325	2.780	.3	3.	.766	.00	9.
4	1987	P	113.0	1130.	146.821	439.9	4399.	208.724	3.893	.4	4.	.770	.00	10.
5	1987	P	65.9	1845.	148.666	386.4	10819.	219.543	5.864	.4	11.	.781	.01	28.
6	1987	P	22.4	336.	149.002	447.7	6715.	226.258	19.985	.4	6.	.787	.02	15.
7	1987	P	37.9	1176.	150.178	466.6	14465.	240.723	12.300	.4	12.	.799	.01	31.
8	1987	P	42.5	1318.	151.496	264.5	8199.	248.922	6.221	.4	12.	.811	.01	31.
9	1987	P	62.3	1744.	153.240	344.9	9656.	258.578	5.537	.4	12.	.823	.01	28.
10	1987	P	54.8	713.	153.953	339.5	4414.	262.992	6.191	.4	5.	.828	.01	13.
Sub	1987		69.9	14468.		371.0	76807.		5.309	.4	82.		.01	207.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
 SOUTHLAND ROYALTY, HILL FED. #3 (NW/4N (D) 36-25N-2W) HILLF3.MAL  
 BRIDGE PRODUCTION

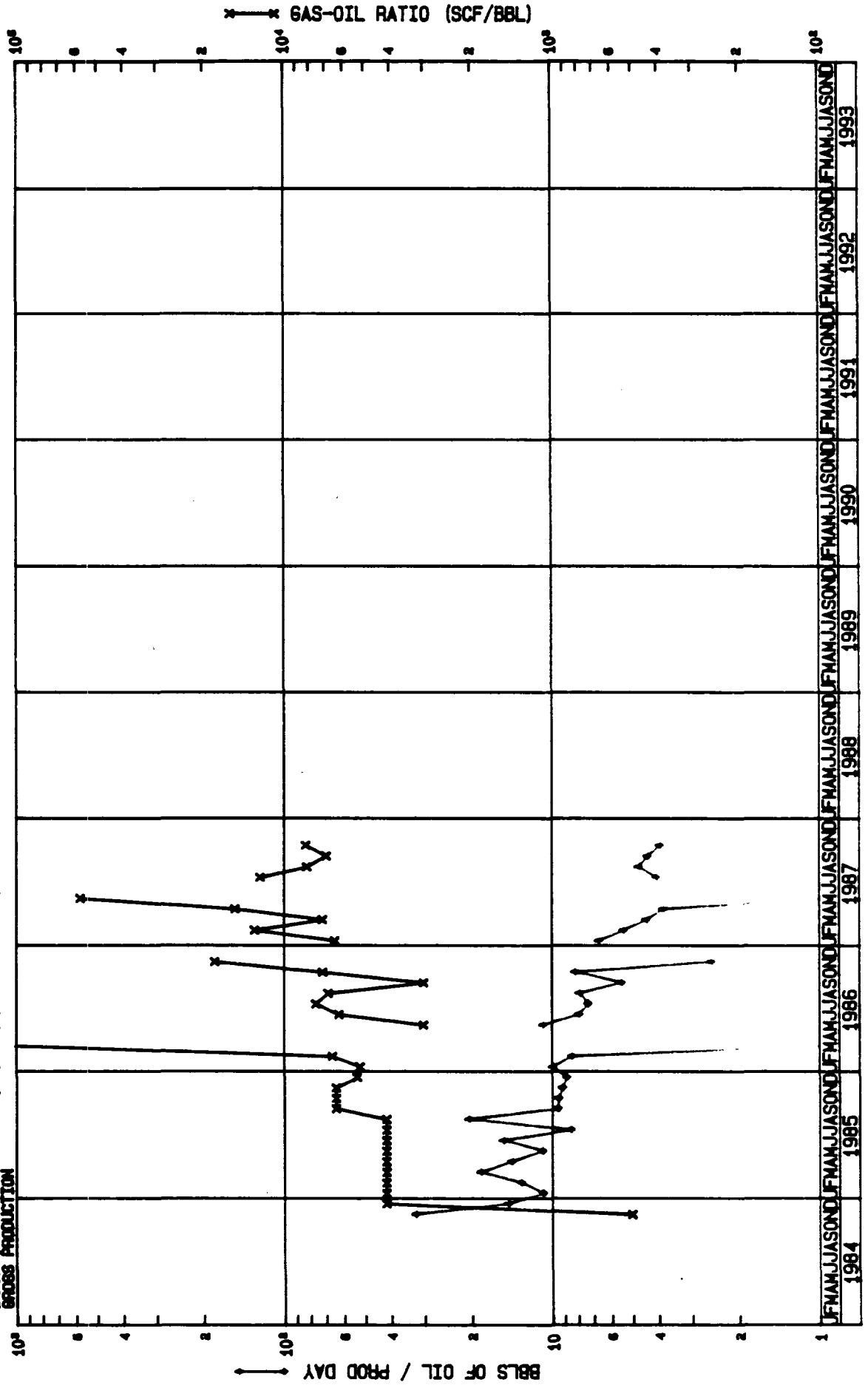


GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
 SOUTHLAND ROYALTY, HILL FED. #3 (NW/NW(D) 36-25N-2W) HILLF3.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
11	1985		26.9	350.	.350	.0	0.	.000	.000	.0	0.	.000	.00	13.
12	1985	SI	.0	0.	.350	.0	0.	.000	.000	.0	0.	.000	.00	0.
Sub 1985			26.9	350.		.0	0.		.000	.0	0.		.00	13.
1	1986		190.0	190.	.540	4.0	4.	.004	.021	7.0	7.	.007	.04	1.
2	1986		147.8	739.	1.279	3.8	19.	.023	.026	37.4	187.	.194	.25	5.
3	1986		145.9	1021.	2.300	3.9	27.	.050	.026	1.0	7.	.201	.01	7.
4	1986	SI	.0	0.	2.300	.0	0.	.050	.000	.0	0.	.201	.00	0.
5	1986	SI	.0	0.	2.300	.0	0.	.050	.000	.0	0.	.201	.00	0.
6	1986	SI	.8	25.	2.325	.0	0.	.050	.000	.0	0.	.201	.00	0.
7	1986	SI	.0	0.	2.325	.0	0.	.050	.000	.0	0.	.201	.00	0.
8	1986	SI	.0	0.	2.325	.0	0.	.050	.000	.0	0.	.201	.00	0.
9	1986	SI	.0	0.	2.325	.0	0.	.050	.000	.0	0.	.201	.00	0.
10	1986		75.5	1737.	4.062	4.0	92.	.142	.053	1.0	23.	.224	.01	23.
11	1986	OP	68.8	2063.	6.125	122.3	3669.	3.811	1.778	1.0	30.	.254	.01	30.
12	1986	OF	97.3	3017.	9.142	91.2	2826.	6.637	.937	1.0	31.	.285	.01	31.
Sub 1986			90.6	8792.		68.4	6637.		.755	2.9	285.		.03	97.
1	1987	OF	90.7	2813.	11.955	92.9	2879.	9.516	1.023	1.0	31.	.316	.01	31.
2	1987	P	77.2	1931.	13.886	123.7	3093.	12.609	1.602	1.0	25.	.341	.01	25.
3	1987	P	73.3	2272.	16.158	131.6	4081.	16.690	1.796	1.0	31.	.372	.01	31.
4	1987	P	60.8	1824.	17.982	70.3	2108.	18.798	1.156	1.0	30.	.402	.02	30.
5	1987	P	72.5	2247.	20.229	138.4	4291.	23.089	1.910	1.0	31.	.433	.01	31.
6	1987	P	76.8	2149.	22.378	107.8	3017.	26.106	1.404	1.0	28.	.461	.01	28.
7	1987	P	73.6	2283.	24.661	165.1	5117.	31.223	2.241	1.1	33.	.494	.01	31.
8	1987	P	72.5	1377.	26.038	146.9	2791.	34.014	2.027	1.0	19.	.513	.01	19.
9	1987	P	21.7	629.	26.667	95.6	2771.	36.785	4.405	1.0	29.	.542	.05	29.
10	1987	P	48.7	1461.	28.128	131.7	3952.	40.737	2.705	1.0	30.	.572	.02	30.
Sub 1987			66.6	18986.		119.6	34100.		1.796	1.0	287.		.02	285.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA, N.M.  
 DUGAN, LINDRITH #1 (SW/SE (0) 36-25N-2W) LIND1.MAL  
 GROSS PRODUCTION

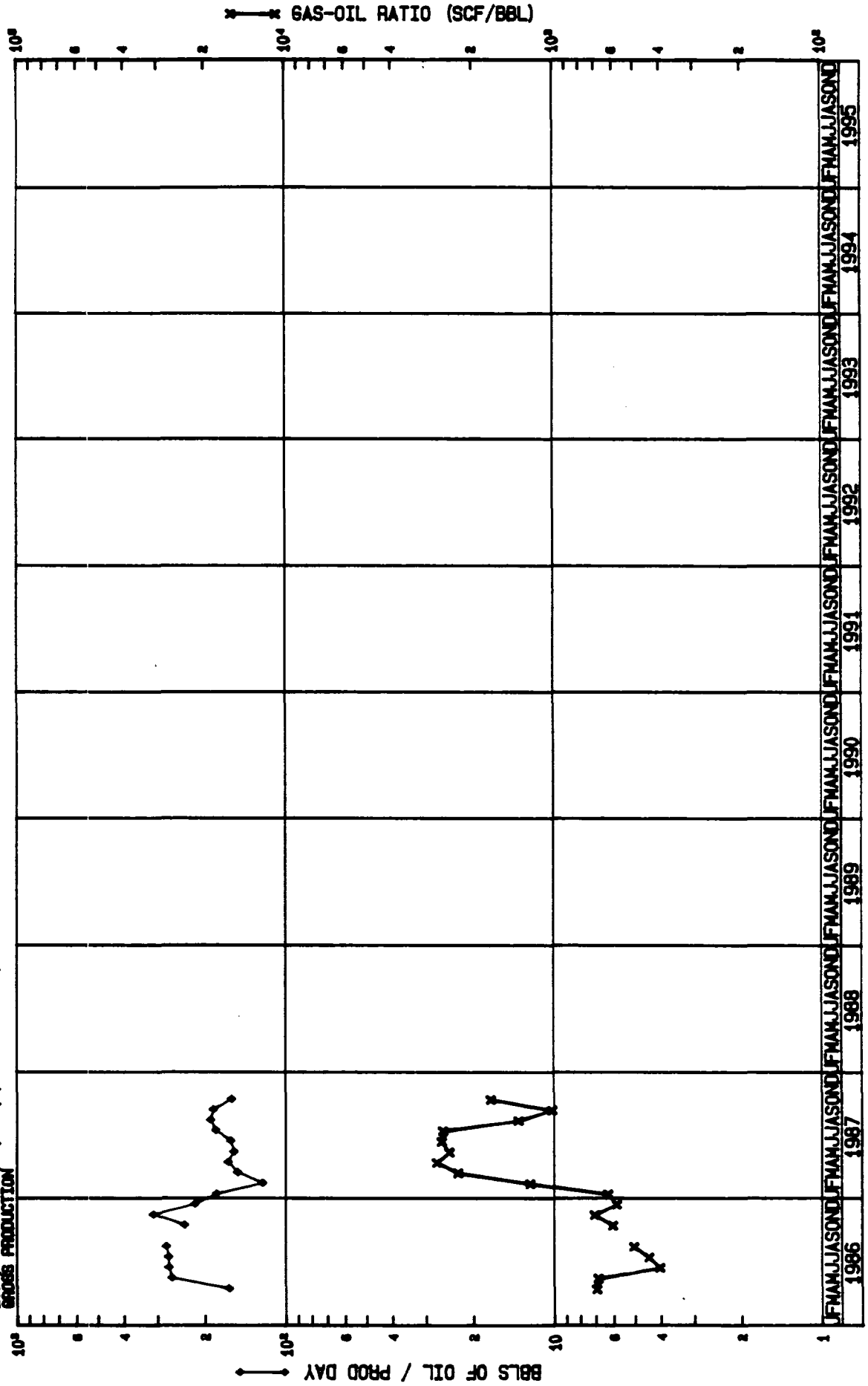


GAVILAN MANCOS FIELD, RIO ARRIBA, N.M.  
 DUGAN, LINDRITH #1 (SW/SE(O) 36-25N-2W) LIND1.MAL

Mo	Year	Stat	OIL/COND			GAS			WATER				Days Prod	
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB		WOR B/B
11	1984		32.4	162.	.162	16.2	81.	.081	.500	12.0	60.	.060	.37	5.
12	1984		14.6	292.	.454	60.5	1209.	1.290	4.140	40.5	810.	.870	2.77	20.
Sub 1984			18.2	454.		51.6	1290.		2.841	34.8	870.		1.92	25.
1	1985		10.8	292.	.746	44.8	1209.	2.499	4.140	.5	14.	.884	.05	27.
2	1985		13.1	157.	.903	54.2	650.	3.149	4.140	.5	6.	.890	.04	12.
3	1985		18.5	74.	.977	76.5	306.	3.455	4.135	.5	2.	.892	.03	4.
4	1985		14.2	369.	1.346	58.8	1528.	4.983	4.141	.5	13.	.905	.04	26.
5	1985		10.9	294.	1.640	45.1	1217.	6.200	4.139	.5	14.	.919	.05	27.
6	1985		15.2	259.	1.899	63.1	1072.	7.272	4.139	.5	9.	.928	.03	17.
7	1985		8.5	196.	2.095	35.3	811.	8.083	4.138	.5	12.	.940	.06	23.
8	1985		20.5	226.	2.321	85.1	936.	9.019	4.142	.5	5.	.945	.02	11.
9	1985		9.5	286.	2.607	60.9	1826.	10.845	6.385	.5	15.	.960	.05	30.
10	1985		9.5	293.	2.900	60.4	1871.	12.716	6.386	.5	16.	.976	.05	31.
11	1985		9.2	275.	3.175	58.5	1756.	14.472	6.385	.5	15.	.991	.05	30.
12	1985		8.8	274.	3.449	47.0	1458.	15.930	5.321	.5	16.	1.007	.06	31.
Sub 1985			11.1	2995.		54.4	14640.		4.888	.5	137.		.05	269.
1	1986		9.9	308.	3.757	51.5	1598.	17.528	5.188	.5	16.	1.023	.05	31.
2	1986		8.4	228.	3.985	55.6	1500.	19.028	6.579	.5	14.	1.037	.06	27.
3	1986		.3	8.	3.993	41.3	1281.	20.309	160.125	.5	16.	1.053	2.00	31.
4	1986		.0	0.	3.993	21.4	643.	20.952	.000	.5	15.	1.068	.00	30.
5	1986		10.8	335.	4.328	32.5	1006.	21.958	3.003	.5	16.	1.084	.05	31.
6	1986		7.9	238.	4.566	49.3	1480.	23.438	6.218	.5	15.	1.099	.06	30.
7	1986		7.3	227.	4.793	55.4	1718.	25.156	7.568	.5	16.	1.115	.07	31.
8	1986		7.9	158.	4.951	53.9	1078.	26.234	6.823	.5	10.	1.125	.06	20.
9	1986		5.5	11.	4.962	16.5	33.	26.267	3.000	.5	1.	1.126	.09	2.
10	1986		8.2	254.	5.216	58.5	1814.	28.081	7.142	.5	16.	1.142	.06	31.
11	1986	OP	2.5	76.	5.292	45.7	1371.	29.452	18.039	.5	15.	1.157	.20	30.
12	1986	OP	.0	0.	5.292	40.8	1266.	30.718	.000	.5	16.	1.173	.00	0.
Sub 1986			6.3	1843.		50.3	14788.		8.024	.6	166.		.09	294.
1	1987	OP	6.7	137.	5.479	43.0	1204.	31.922	6.439	.5	14.	1.187	.07	28.
2	1987	P	5.4	31.	5.560	69.3	1039.	32.961	12.827	.5	8.	1.195	.10	15.
3	1987	P	4.4	31.	5.591	31.7	222.	33.183	7.161	.6	4.	1.199	.13	7.
4	1987	P	3.8	115.	5.706	58.1	1743.	34.926	15.157	.5	15.	1.214	.13	30.
5	1987	P	.9	27.	5.733	50.0	1549.	36.475	57.370	.5	16.	1.230	.59	31.
6	1987	P	.0	0.	5.733	46.9	1267.	37.742	.000	.0	0.	1.230	.00	27.
7	1987	P	4.1	126.	5.859	49.6	1539.	39.281	12.214	.0	0.	1.230	.00	31.
8	1987	P	4.7	123.	5.982	38.7	1007.	40.288	8.187	.0	0.	1.230	.00	26.
9	1987	P	4.4	105.	6.087	30.3	727.	41.015	6.924	.0	0.	1.230	.00	24.
10	1987	P	3.9	122.	6.209	32.5	1007.	42.022	8.254	.0	0.	1.230	.00	31.
Sub 1987			3.7	917.		45.2	11304.		12.327	.2	57.		.06	250.

\* Per Producing Day

PUERTO CHQUITO MANCOS WEST, RIO ARRIBA COUNTY, N.M.  
 BMS, COU 31 (SE/SW (N) 31-26N-1W) COU31.MAL  
 GROSS PRODUCTION

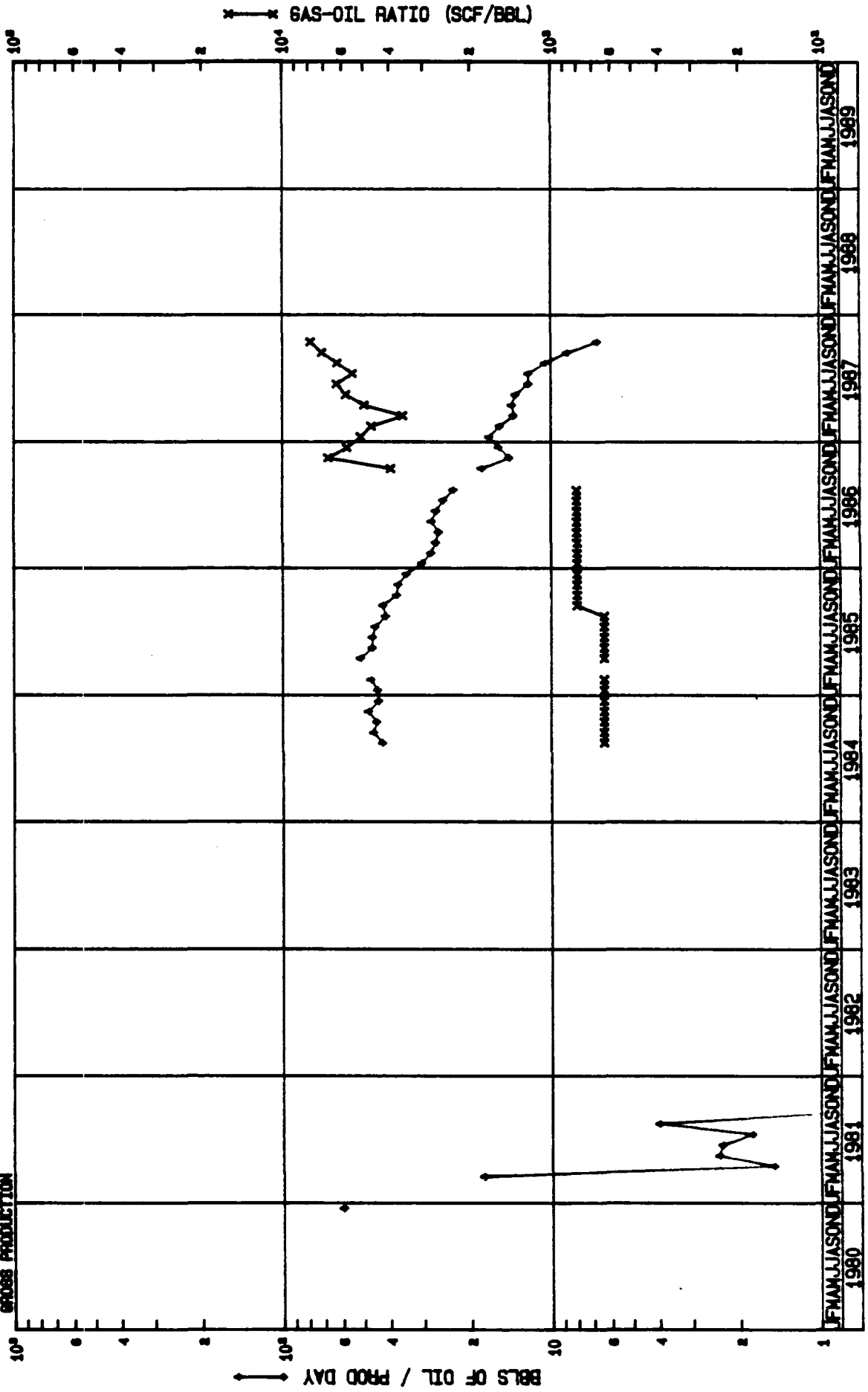


PUERTO CHIQUITO MANCOS WEST, RIO ARRIBA COUNTY, N.M.  
 BMG, COU 31 (SE/SW(N) 31-26N-1W) COU31.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
4	1986		162.9	1303.	1.303	112.4	899.	.899	.690	.0	0.	.000	.00	8.
5	1986		265.5	2124.	3.427	180.5	1444.	2.343	.680	.0	0.	.000	.00	8.
6	1986		272.5	8176.	11.603	109.0	3270.	5.613	.400	.0	0.	.000	.00	30.
7	1986		273.5	8205.	19.808	120.3	3610.	9.223	.440	.0	0.	.000	.00	30.
8	1986		278.6	8638.	28.446	139.3	4319.	13.542	.500	.0	0.	.000	.00	31.
9	1986		.0	0.	28.446	.0	0.	13.542	.000	.0	0.	.000	.00	0.
10	1986		238.5	7393.	35.839	143.1	4436.	17.978	.600	.0	0.	.000	.00	31.
11	1986	GL	311.1	5600.	41.439	217.8	3920.	21.898	.700	.0	0.	.000	.00	18.
12	1986	GL	218.0	5451.	46.890	126.3	3158.	25.056	.579	.0	0.	.000	.00	25.
Sub	1986		259.1	46890.		138.4	25056.		.534	.0	0.		.00	181.
1	1987	OP	181.3	5619.	52.509	113.3	3512.	28.568	.625	.0	0.	.000	.00	31.
2	1987	P	122.3	2934.	55.443	148.9	3574.	32.142	1.218	.0	0.	.000	.00	24.
3	1987	P	151.2	3781.	59.224	341.9	8547.	40.689	2.261	.0	0.	.000	.00	25.
4	1987	P	163.9	1957.	61.191	444.2	5330.	46.019	2.710	.0	0.	.000	.00	12.
5	1987	P	156.0	936.	62.127	380.5	2283.	48.302	2.439	.0	0.	.000	.00	6.
6	1987	GL	160.4	3850.	65.977	417.1	10011.	58.313	2.600	.0	0.	.000	.00	24.
7	1987	GL	182.3	5238.	71.265	469.3	13611.	71.924	2.574	.0	0.	.000	.00	29.
8	1987	GL	190.7	5912.	77.177	256.6	7956.	79.880	1.346	.0	0.	.000	.00	31.
9	1987	GL	186.4	5592.	82.769	187.9	5637.	85.517	1.008	.0	0.	.000	.00	30.
10	1987	GL	159.2	4935.	87.704	271.7	8424.	93.941	1.707	.0	0.	.000	.00	31.
Sub	1987		168.0	40814.		283.5	68885.		1.688	.0	0.		.00	243.

\* Per Producing Day

GAYILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 HIXON TAPACITOS #2 (NW/4 (L) 25-26N-2W) TAPAC2.MAL  
 GROSS PRODUCTION





GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 HIXON, TAPACITOS #2 (NW/SW(L) 25-26N-2W) TAPAC2.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
12	1980		60.0	60.	.060	.0	0.	.000	.000	.0	0.	.000	.00	1.
Sub 1980			60.0	60.		.0	0.	.000	.000	.0	0.	.000	.00	1.
1	1981		.0	0.	.060	.0	0.	.000	.000	.0	0.	.000	.00	0.
2	1981		.0	0.	.060	.0	0.	.000	.000	.0	0.	.000	.00	0.
3	1981		18.0	36.	.096	.0	0.	.000	.000	.0	0.	.000	.00	2.
4	1981		1.5	6.	.102	.0	0.	.000	.000	.0	0.	.000	.00	4.
5	1981		2.4	12.	.114	.0	0.	.000	.000	.0	0.	.000	.00	5.
6	1981		2.3	56.	.170	.0	0.	.000	.000	.0	0.	.000	.00	24.
7	1981		1.8	56.	.226	.0	0.	.000	.000	.0	0.	.000	.00	31.
8	1981		4.0	16.	.242	.0	0.	.000	.000	.0	0.	.000	.00	4.
9	1981		.7	9.	.251	.0	0.	.000	.000	.0	0.	.000	.00	13.
10	1981		.0	0.	.251	.0	0.	.000	.000	.0	0.	.000	.00	0.
11	1981		.1	2.	.253	.0	0.	.000	.000	.0	0.	.000	.00	15.
12	1981		.4	4.	.257	.0	0.	.000	.000	.0	0.	.000	.00	10.
Sub 1981			1.8	197.		.0	0.	.000	.000	.0	0.	.000	.00	108.
1	1982		.2	2.	.259	.0	0.	.000	.000	.0	0.	.000	.00	11.
2	1982		.3	4.	.263	.0	0.	.000	.000	.0	0.	.000	.00	12.
3	1982		.3	3.	.266	.0	0.	.000	.000	.0	0.	.000	.00	10.
4	1982		.0	0.	.266	.0	0.	.000	.000	.0	0.	.000	.00	3.
5	1982		.3	10.	.276	.0	0.	.000	.000	.0	0.	.000	.00	31.
6	1982		.0	0.	.276	.0	0.	.000	.000	.0	0.	.000	.00	0.
7	1982		.0	0.	.276	.0	0.	.000	.000	.0	0.	.000	.00	0.
8	1982		.2	1.	.277	.0	0.	.000	.000	.0	0.	.000	.00	6.
9	1982	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
10	1982	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
11	1982	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
12	1982	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
Sub 1982			.3	20.		.0	0.	.000	.000	.0	0.	.000	.00	73.
1	1983	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
2	1983	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
3	1983	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
4	1983	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
5	1983	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
6	1983	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
7	1983	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
8	1983	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
9	1983	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
10	1983	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
11	1983	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
12	1983	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
Sub 1983			.0	0.		.0	0.	.000	.000	.0	0.	.000	.00	0.
1	1984	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
2	1984	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
3	1984	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
4	1984	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
5	1984	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
6	1984	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
7	1984	SI	.0	0.	.277	.0	0.	.000	.000	.0	0.	.000	.00	0.
8	1984		42.6	1321.	1.598	26.9	835.	.835	.632	.5	16.	.016	.01	31.
9	1984		46.0	1288.	2.886	29.1	814.	1.649	.632	.5	15.	.031	.01	28.
10	1984		44.7	984.	3.870	28.3	622.	2.271	.632	.5	11.	.042	.01	22.
11	1984		48.1	1442.	5.312	30.4	911.	3.182	.632	.5	15.	.057	.01	30.
12	1984		44.1	1366.	6.678	27.8	863.	4.045	.632	.5	16.	.073	.01	31.
Sub 1984			45.1	6401.		28.5	4045.		.632	.5	73.	.01	142.	

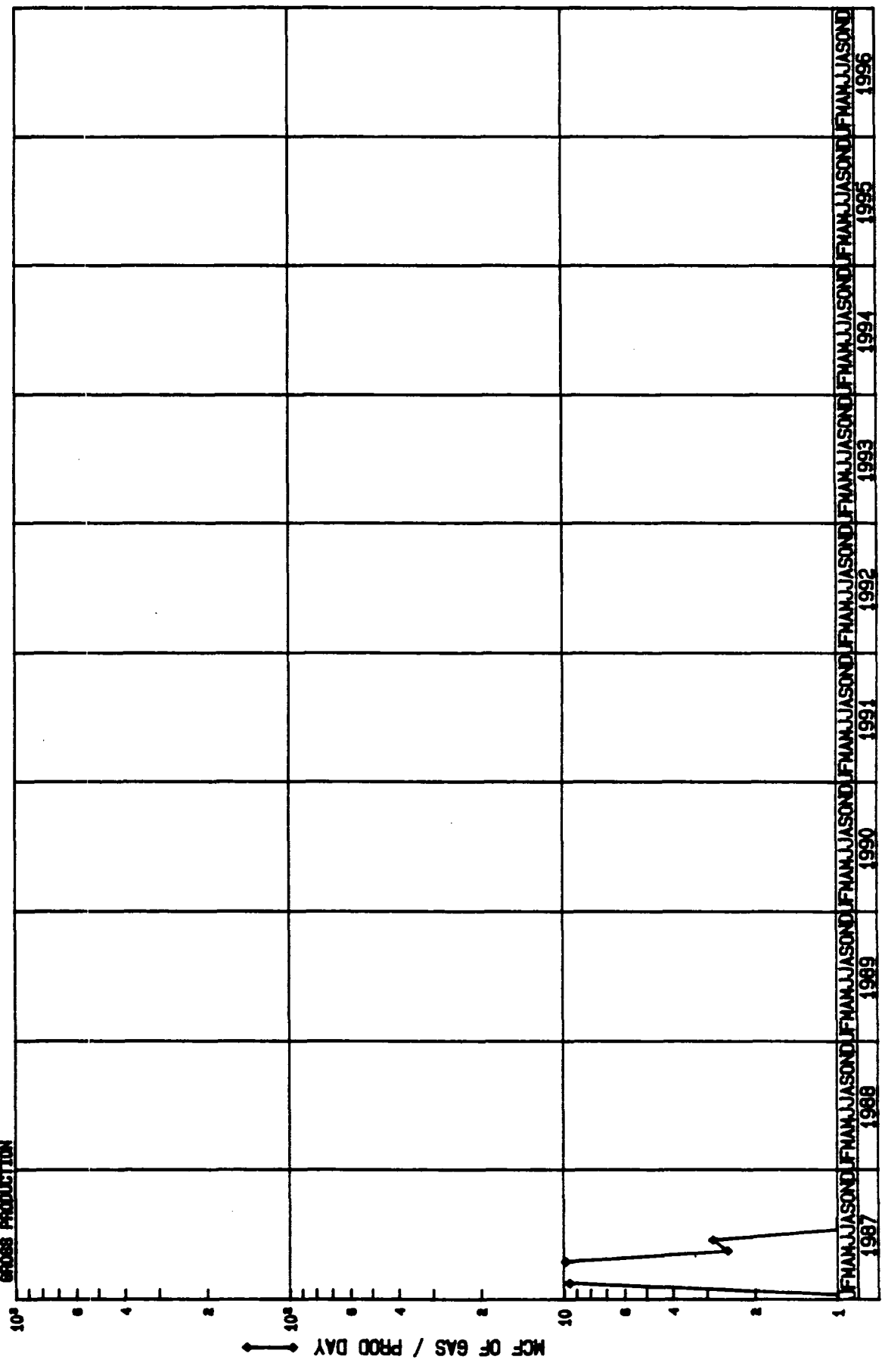
\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 HIXON, TAPACITOS #2 (NW/SW(L) 25-26N-2W) TAPAC2.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
1	1985		44.4	1376.	8.054	28.1	870.	4.915	.632	.5	15.	.088	.01	31.
2	1985		47.0	988.	9.042	29.7	624.	5.539	.632	.5	10.	.098	.01	21.
3	1985	SI	.0	0.	9.042	.0	0.	5.539	.000	.0	0.	.098	.00	0.
4	1985		51.5	1134.	10.176	32.6	717.	6.256	.632	.5	11.	.109	.01	22.
5	1985		46.5	1441.	11.617	29.4	911.	7.167	.632	.5	16.	.125	.01	31.
6	1985		46.4	1393.	13.010	29.3	880.	8.047	.632	.5	15.	.140	.01	30.
7	1985		45.4	1407.	14.417	28.7	889.	8.936	.632	.5	16.	.156	.01	31.
8	1985		41.5	1286.	15.703	26.2	813.	9.749	.632	.3	8.	.164	.01	31.
9	1985		42.5	1233.	16.936	33.9	983.	10.732	.797	.2	7.	.171	.01	29.
10	1985		37.7	1170.	18.106	30.1	932.	11.664	.797	.3	8.	.179	.01	31.
11	1985		37.3	1118.	19.224	29.7	891.	12.555	.797	.3	8.	.187	.01	30.
12	1985		34.7	972.	20.196	27.7	775.	13.330	.797	.3	7.	.194	.01	28.
Sub	1985		42.9	13518.		29.5	9285.		.687	.4	121.		.01	315.
1	1986		30.4	943.	21.139	24.3	752.	14.082	.797	.3	8.	.202	.01	31.
2	1986		28.1	788.	21.927	22.4	628.	14.710	.797	.3	7.	.209	.01	28.
3	1986		27.0	674.	22.601	21.5	537.	15.247	.797	.2	6.	.215	.01	25.
4	1986		26.3	604.	23.205	20.9	481.	15.728	.796	.3	6.	.221	.01	23.
5	1986		27.9	866.	24.071	22.3	690.	16.418	.797	.3	8.	.229	.01	31.
6	1986		26.9	806.	24.877	21.4	642.	17.060	.797	.3	8.	.237	.01	30.
7	1986		25.3	455.	25.332	20.2	363.	17.423	.798	.3	5.	.242	.01	18.
8	1986		23.1	463.	25.795	18.5	369.	17.792	.797	.3	5.	.247	.01	20.
9	1986		.0	0.	25.795	.0	0.	17.792	.000	.0	0.	.247	.00	0.
10	1986		18.1	290.	26.085	71.1	1138.	18.930	3.924	.3	4.	.251	.01	16.
11	1986	OP	14.3	430.	26.515	96.2	2886.	21.816	6.712	.3	8.	.259	.02	30.
12	1986	OP	15.7	486.	27.001	89.6	2777.	24.593	5.714	.3	8.	.267	.02	31.
Sub	1986		24.0	6805.		39.8	11263.		1.655	.3	73.		.01	283.
1	1987	OP	17.0	528.	27.529	86.4	2678.	27.271	5.072	.3	8.	.275	.02	31.
2	1987	P	15.5	435.	27.964	72.0	2017.	29.288	4.637	.3	7.	.282	.02	28.
3	1987	P	13.8	427.	28.391	48.7	1511.	30.799	3.539	.3	8.	.290	.02	31.
4	1987	P	14.0	419.	28.810	68.9	2066.	32.865	4.931	.3	8.	.298	.02	30.
5	1987	P	13.6	421.	29.231	78.4	2430.	35.295	5.772	.3	8.	.306	.02	31.
6	1987	P	12.1	328.	29.559	75.8	2047.	37.342	6.241	.0	0.	.306	.00	27.
7	1987	P	12.2	377.	29.936	66.3	2056.	39.398	5.454	.0	0.	.306	.00	31.
8	1987	P	10.5	327.	30.263	65.5	2031.	41.429	6.211	.0	0.	.306	.00	31.
9	1987	P	8.7	261.	30.524	61.7	1850.	43.279	7.088	.0	0.	.306	.00	30.
10	1987	P	6.7	209.	30.733	52.7	1634.	44.913	7.818	.0	0.	.306	.00	31.
Sub	1987		12.4	3732.		67.5	20320.		5.445	.1	39.		.01	301.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 HIXON, DIVIDE 1 (SE/NE (H) 36-26N-2W) DIV 1, MAL  
 GROSS PRODUCTION

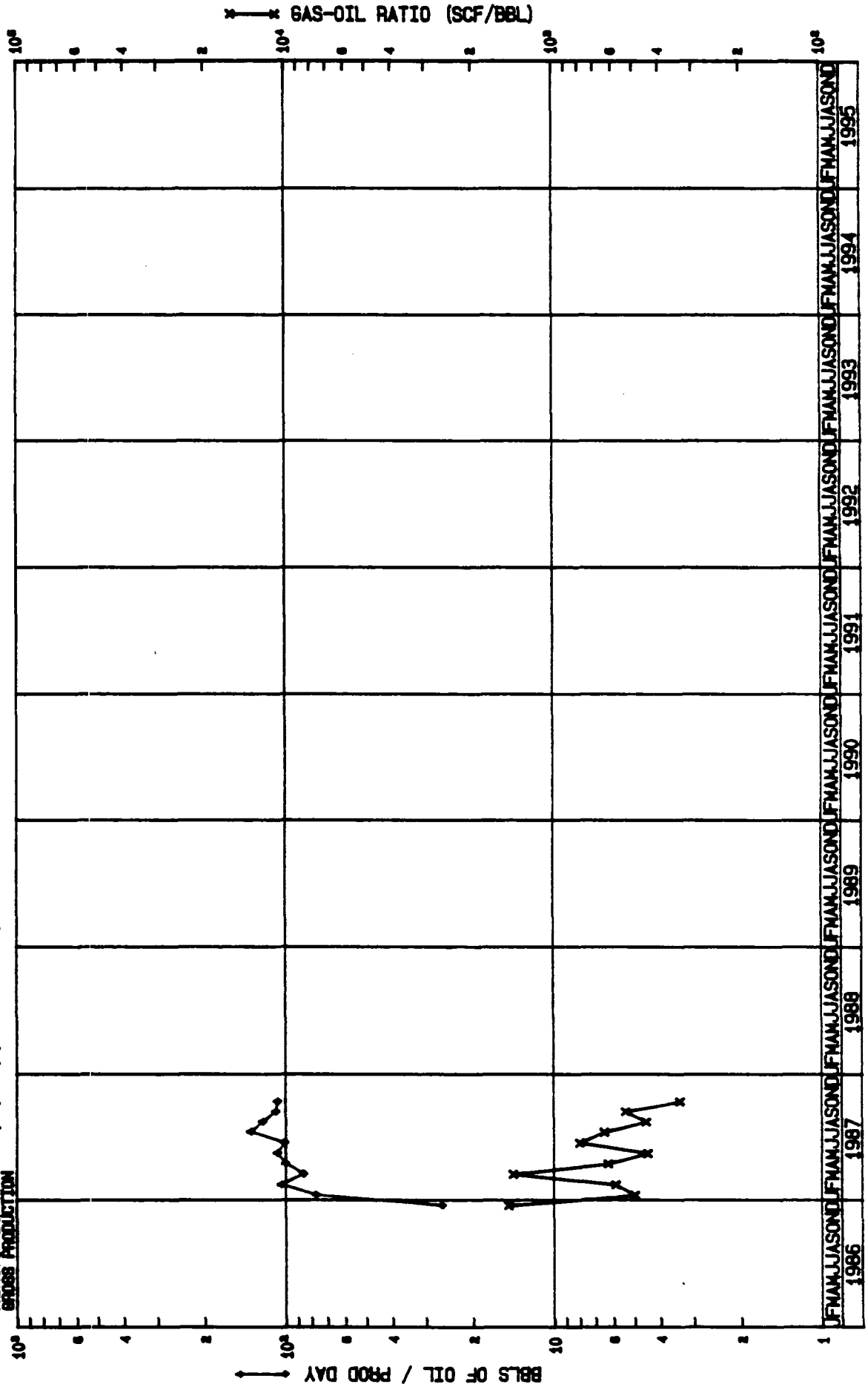


GAVILAN MANCOS FIELD, RIO ARriba COUNTY, N.M.  
 HIXON, DIVIDE 1 (SE/NE(H) 35-26N-2W) DIV1.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
1	1987	OF	.0	0.	.000	.7	21.	.021	.000	.5	16.	.016	.00	31.
2	1987	F	.0	0.	.000	9.4	66.	.087	.000	.4	3.	.019	.00	7.
3	1987	F	.0	0.	.000	.0	0.	.087	.000	.0	0.	.019	.00	6.
4	1987	F	.0	0.	.000	9.8	39.	.126	.000	.5	2.	.021	.00	4.
5	1987	P	.0	0.	.000	2.5	5.	.131	.000	.0	0.	.021	.00	2.
6	1987	P	.0	0.	.000	2.8	34.	.165	.000	.0	0.	.021	.00	12.
7	1987	P	.0	0.	.000	.5	14.	.179	.000	.0	0.	.021	.00	29.
8	1987	P	.0	0.	.000	.3	8.	.187	.000	.0	0.	.021	.00	0.
9	1987	P	.0	0.	.000	.0	0.	.187	.000	.0	0.	.021	.00	0.
10	1987	P	.0	0.	.000	.0	0.	.187	.000	.0	0.	.021	.00	0.
Sub 1987			.0	0.		2.1	187.		.000	.2	21.		.00	91.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 HIXON, DIVIDE 3 (NE/SH (K) 35-26N-2W) DIV3.NAL  
 GROSS PRODUCTION



GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 HIXON, DIVIDE 3 (NE/SW(K) 35-26N-2W) DIV3.MAL

Mo	Year	Stat	OIL/COND			GAS			WATER				Days Prod	
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB		WOR B/B
12	1986	OF	26.2	157.	.157	38.3	230.	.230	1.465	10.0	60.	.060	.38	6.
Sub 1986			26.2	157.		38.3	230.		1.465	10.0	60.		.38	6.
1	1987	OF	77.3	2397.	2.554	38.3	1187.	1.417	.495	1.0	31.	.091	.01	31.
2	1987	F	103.7	1348.	3.902	60.5	787.	2.204	.584	1.0	13.	.104	.01	13.
3	1987	F	85.9	1289.	5.191	121.1	1816.	4.020	1.409	1.0	15.	.119	.01	15.
4	1987	F	100.3	3008.	8.199	62.4	1873.	5.893	.623	1.0	30.	.149	.01	30.
5	1987	P	107.4	3277.	11.476	47.6	1453.	7.346	.443	1.1	33.	.182	.01	31.
6	1987	P	100.9	2574.	14.050	80.3	2047.	9.393	.795	.0	0.	.182	.00	26.
7	1987	P	134.9	2563.	16.613	86.8	1650.	11.043	.644	.0	0.	.182	.00	19.
8	1987	P	121.8	3107.	19.720	54.8	1397.	12.440	.450	.0	0.	.182	.00	26.
9	1987	P	108.5	3254.	22.974	58.0	1740.	14.180	.535	.0	0.	.182	.00	30.
10	1987	P	106.9	3208.	26.182	35.8	1075.	15.255	.335	.0	0.	.182	.00	30.
Sub 1987			104.5	26025.		60.3	15025.		.577	.5	122.		.00	250.

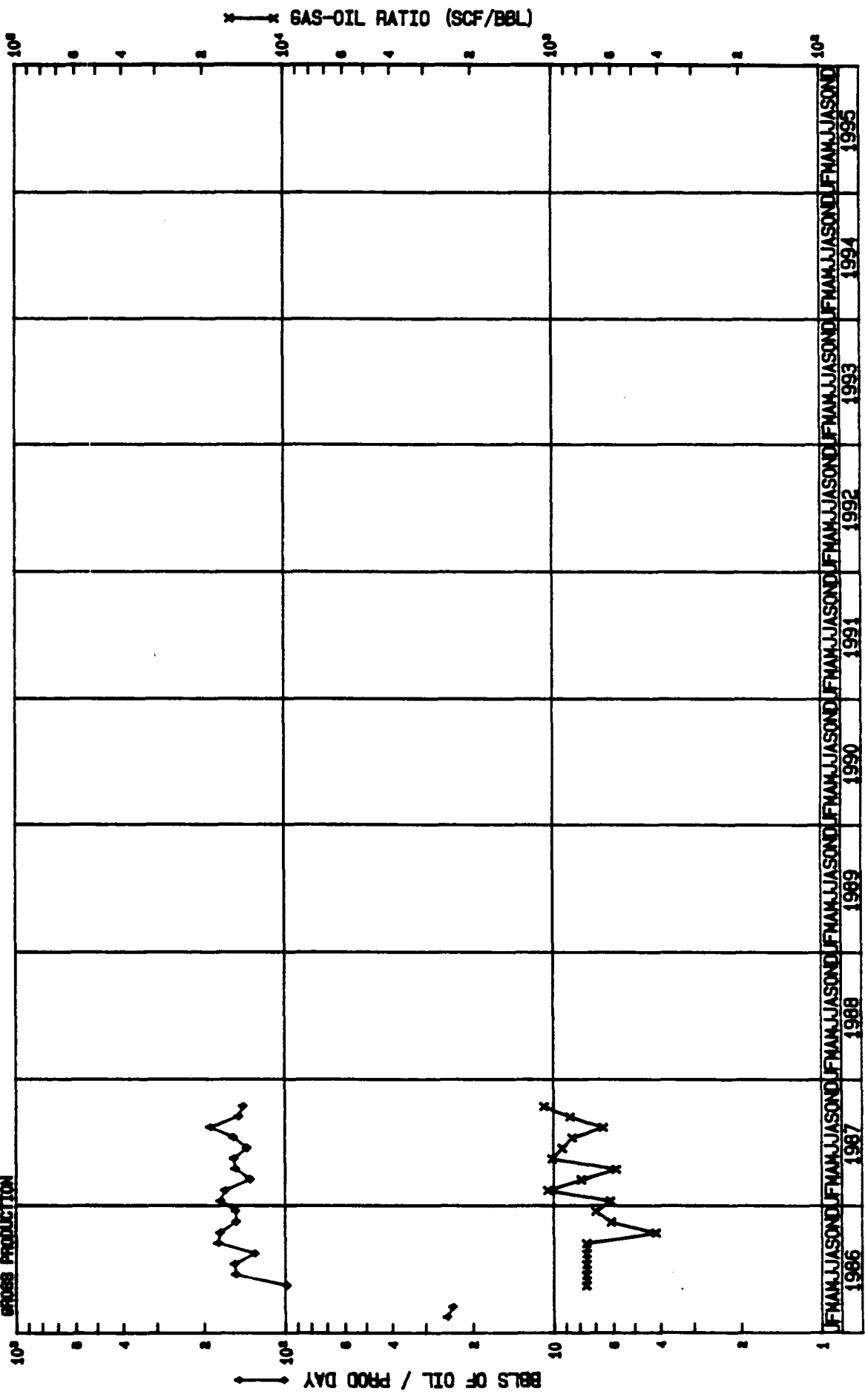
\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 HIXON, DIVIDE 3 (NE/SW(K) 35-26N-2W) DIV3.MAL

Mo	Year	Stat	OIL/COND			GAS				WATER				Days Prod
			Day* BPD	Month Bbls	Cum MB	Day* MCFPD	Month MCF	Cum MMCF	GOR MCF/B	Day* BPD	Month Bbls	Cum MB	WOR B/B	
12	1986	OF	26.2	157.	.157	38.3	230.	.230	1.465	10.0	60.	.060	.38	6.
Sub 1986			26.2	157.		38.3	230.		1.465	10.0	60.		.38	6.
1	1987	OF	77.3	2397.	2.554	38.3	1187.	1.417	.495	1.0	31.	.091	.01	31.
2	1987	F	103.7	1348.	3.902	60.5	787.	2.204	.584	1.0	13.	.104	.01	13.
3	1987	F	85.9	1289.	5.191	121.1	1816.	4.020	1.409	1.0	15.	.119	.01	15.
4	1987	F	100.3	3008.	8.199	62.4	1873.	5.893	.623	1.0	30.	.149	.01	30.
5	1987	P	107.4	3277.	11.476	47.6	1453.	7.346	.443	1.1	33.	.182	.01	31.
6	1987	P	100.9	2574.	14.050	80.3	2047.	9.393	.795	.0	0.	.182	.00	26.
7	1987	P	134.9	2563.	16.613	86.8	1650.	11.043	.644	.0	0.	.182	.00	19.
8	1987	P	121.8	3107.	19.720	54.8	1397.	12.440	.450	.0	0.	.182	.00	26.
9	1987	P	108.5	3254.	22.974	58.0	1740.	14.180	.535	.0	0.	.182	.00	30.
10	1987	P	106.9	3208.	26.182	35.8	1075.	15.255	.335	.0	0.	.182	.00	30.
Sub 1987			104.5	26025.		60.3	15025.		.577	.5	122.		.00	250.

\* Per Producing Day

GAVILAN MANCOS FIELD, RIO ARRIBA COUNTY, N.M.  
 HIXON TAPACITOS #4 (SN/SE (O) 36-26N-2W) TAPAC4.MAL  
 GROSS PRODUCTION





ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION



April 8, 1988

GARREY CARRUTHERS  
GOVERNOR

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-5800

Mr. Owen Lopez  
Hinkle, Cox, Eaton,  
Coffield & Mensley  
Attorneys at Law  
Post Office Box 2068  
Santa Fe, New Mexico

Re: CASE NO. 9225  
ORDER NO. R-8639

Applicant:  
Mesa Grande, Ltd.

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Sincerely,

FLORENE DAVIDSON  
OC Staff Specialist

Copy of order also sent to:

Hobbs OCD   x    
Artesia OCD   x    
Aztec OCD   x  

Other Thomas Kellahin, Alan Tubb, Anne Tallmadge, George Mallon

*Law offices of  
Karl D. Byrd*

June 26, 1989

*Handwritten stamp:* JUN 28 1989

JUN 28 1989

OIL CONSERVATION DIV.  
SANTA FE

*Handwritten:* Case No. 19225  
12-8636  
M.S.

Ms. Betty Arnold  
Division Order Department  
Oryx Energy Company  
P.O. Box 2880  
Dallas, Texas 75221-2880

Re: your File Reference - Property Number 569420 - Loddy #1 - Rio Arriba County, New Mexico - Our File Reference - Loddy #1, Rio Arriba County, New Mexico, Township 25N, Range 2W NMPN, Section 20 West-Half - Gary Owner Number - 019755. Sun Owner Number - 187959 - Harl D. and Corona E. Byrd

Dear Ms. Arnold:

Thank you for your letter dated June 15, 1989 concerning royalty payments required to be paid to me in connection with the above-captioned property. I have the following comments:

1. I was not aware that the spacing on this property was changed from 320 acres to 640 acres effective June 1, 1988. Apparently, this was effected unilaterally without notice to the royalty owner or affording them an opportunity to comment or appear at any hearing that may have been held before the New Mexico Oil and Gas Commission and I strenuously object. I do not even know who "Mesa Grande" is. Please forward a copy of the application, copies of purported notices and a copy of the order of the New Mexico Oil and Gas Commission. I would also appreciate your advising of the basis upon which you feel such unilateral action can be accomplished and is binding on the royalty owners. If only "Mesa Grande" can furnish this information, please forward this letter to Mesa Grande with a copy of your transmittal letter to me. In any event, please advise as to how Mesa Grande fits into the picture.

2. Please forward a copy of the "New Title Opinion" and advise of the old and new allowables.

3. We have not received a statement of production of oil or gas from you since last December (covering production for

*200 W. Marcy, Suite 101 - P.O. Box 1567 - Santa Fe, N.M. 87504*

*(505) 984-8303*

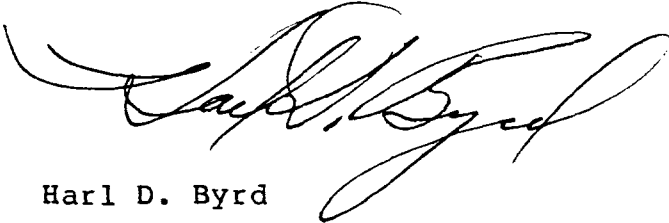
Ms. Betty Arnold  
June 26, 1989  
Page 2

November) and I would appreciate a full and complete accounting of production. Necessarily, I can not agree or disagree with your assertions of a negative balance owed, until I have received a statement of production and the price that you receive for such production.

4. I am not aware that I have been overpaid by Gary Energy Company on oil production. By copy of this letter addressed to Mr. John Fleer, with Gary Energy, I am requesting that he forward the identical information that I have requested herein.

Incidentally, significantly, I notice that there are prohibitions on spacing applicable to this property, which do not appear to have been complied with. I would appreciate your comments.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Harl D. Byrd". The signature is written in black ink and is positioned above the typed name.

Harl D. Byrd

HDB/dmc

cc: Mr. John Fleer, Gary Williams Energy Corp.  
The New Mexico Oil Conservation Commission ✓

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION FOR THE PURPOSE OF  
CONSIDERING:

CASES NOS. 7980, 8946,  
9113, AND 9114  
ORDER NO. R-7407-E

CASE NO. 7980

IN THE MATTER OF CASE 7980 BEING REOPENED PURSUANT TO THE PROVISIONS OF COMMISSION ORDER NO. R-7407, WHICH ORDER PROMULGATED TEMPORARY SPECIAL RULES AND REGULATIONS FOR THE GAVILAN-MANCOS OIL POOL IN RIO ARRIBA COUNTY, INCLUDING A PROVISION FOR 320-ACRE SPACING UNITS.

CASE NO. 8946

IN THE MATTER OF CASE 8946 BEING REOPENED PURSUANT TO THE PROVISIONS OF COMMISSION ORDER NO. R-7407-D, WHICH ORDER PROMULGATED A TEMPORARY LIMITING GAS-OIL RATIO AND DEPTH BRACKET ALLOWABLE FOR THE GAVILAN-MANCOS OIL POOL IN RIO ARRIBA COUNTY.

CASE NO. 9113

APPLICATION OF BENSON-MONTIN-GREER DRILLING CORPORATION, JEROME P. McHUGH & ASSOCIATES, AND SUN EXPLORATION AND PRODUCTION COMPANY TO ABOLISH THE GAVILAN-MANCOS OIL POOL, TO EXTEND THE WEST PUERTO CHIQUITO-MANCOS OIL POOL, AND TO AMEND THE SPECIAL RULES AND REGULATIONS FOR THE WEST PUERTO CHIQUITO-MANCOS OIL POOL, RIO ARRIBA COUNTY, NEW MEXICO.

CASE NO. 9114

APPLICATION OF MESA GRANDE RESOURCES, INC. FOR THE EXTENSION OF THE GAVILAN-MANCOS OIL POOL AND THE CONTRACTION OF THE WEST PUERTO CHIQUITO-MANCOS OIL POOL, RIO ARRIBA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

These causes came on for hearing on March 30 and 31 and April 1, 2, and 3, 1987 at Santa Fe, New Mexico before the Oil Conservation Commission of New Mexico hereinafter referred to as the "Commission."

NOW, on this 8th day of June, 1987, the Commission, quorum being present, having considered the testimony presented and the exhibits received at said hearings and being fully advised in the premises,

FINDS THAT:

- (1) Due public notice having been given as required by law, the Commission has jurisdiction of these causes and the subject matter thereof.
- (2) At the time of hearing, Cases 7980, 8946, 8950, 9113 and 9114 were consolidated for purposes of testimony.
- (3) Case 7980 involves review of temporary pool rules promulgated by Order R-7407 and Case 8946 involves reopening the matter of temporary reduction of allowable and gas/oil ratio limit, under Order R-7407-D, both orders pertaining to the Gavilan-Mancos Oil Pool.
- (4) Case 8950 involves reopening the matter of temporary reduction of allowable and gas/oil ratio limit under Order R-3401-A pertaining to the West Puerto-Chiquito-Mancos Oil Pool.
- (5) Case 9113 involves a proposal to abolish the Gavilan-Mancos Oil Pool and consolidate that pool into the West Puerto-Chiquito-Mancos Oil Pool and Case 9114 involves a proposal to shift the boundary between Gavilan-Mancos and West Puerto Chiquito-Mancos Oil Pools.
- (6) The evidence shows that there is limited pressure communication between the two designated pools, and that there are two weakly connected areas separated by some restriction at or near the common boundary of the two designated pools.
- (7) The evidence shows there are three principal productive zones in the Mancos formation in both presently designated pools, designated A, B, and C zones listed from top to bottom and that, while all three zones are productive in both designated pools, West Puerto Chiquito produces primarily from the C zone and Gavilan produces chiefly from the A and B zones.
- (8) It is clear from the evidence that there is natural fracture communication between zones A and B but that natural fracture communication is minor or non-existent between zones B and C.

(9) The reservoir consists of fractures ranging from major channels of high transmissibility to micro-fractures of negligible transmissibility, and possibly, some intergranular porosity that must feed into the fracture system in order for oil therein to be recovered.

(10) The productive capacity of an individual well depends upon the degree of success in communicating the wellbore with the major fracture system.

(11) Interference tests indicate: 1) a high degree of communication between certain wells, 2) the ability of certain wells to economically and efficiently drain a large area of at least 640 acres; and 3) the probability exists that the better wells recover oil from adjacent tracts and even more distant tracts if such tracts have wells which were less successful in connecting with the major fracture system.

(12) There is conflicting testimony as to whether the reservoir is rate-sensitive and the Commission should act to order the operators in West Puerto Chiquito and Gavilan-Mancos pools to collect additional data during 90-day periods of increased and decreased allowables and limiting gas-oil ratios.

(13) Two very sophisticated model studies conducted by highly skilled technicians with data input from competent reservoir engineers produced diametrically opposed results so that estimates of original oil in place, recovery efficiency and ultimate recoverable oil are very different and therefore are in a wide range of values.

(14) There was agreement that pressure maintenance would enhance recovery from the reservoir and that a unit would be required to implement such a program in the Gavilan-Mancos Pool.

(15) Estimates of the amount of time required to deplete the Gavilan pool at current producing rates varied from 33 months to approximately five years from hearing date.

(16) Many wells are shut in or are severely curtailed by OCD limits on permissible gas venting because of lack of pipeline connections and have been so shut in or curtailed for many months, during which time reservoir pressure has been shown by pressure surveys to be declining at 1 psi per day or more, indicating severe drainage conditions.

(17) No party requested making the temporary rules permanent, although certain royalty (not unleased minerals)

Cases Nos. 7980, 8946, 9113 and 9114  
Order No. R-7407-E

owners requested a return to 40-acre spacing, without presenting supporting evidence.

(18) Proration units comprised of 640 acres with the option to drill a second well would permit wider spacing and also provide flexibility.

(19) Recognizing that the two designated pools constitute two weakly connected areas with different geologic and operating conditions, the administration of the two areas will be simplified by maintaining two separate pools.

(20) A ninety day period commencing July 1, 1987, should be given for the connection for casinghead gas sale from now-unconnected wells in the Gavilan pool, after which allowables should be reduced in that pool until said wells are connected.

(21) To provide continuity of operation and to prevent waste by the drilling of unnecessary wells, the temporary spacing rules promulgated by Order R-7407 should remain in effect until superceded by this Order.

(22) Rules for 640-acre spacing units with the option for a second well on each unit should be adopted together with a provision that units existing at the date of this order should be continued in effect.

IT IS THEREFORE ORDERED THAT:

(1) The application of Benson-Montin-Greer et al in Case No. 9113 to abolish the Gavilan-Mancos pool and extend the West Puerto Chiquito-Mancos pool to include the area occupied by the Gavilan-Mancos Pool is denied.

(2) The application of Mesa Grande Resources, Inc. for the extension of the Gavilan-Mancos and the concomitant contraction of West Puerto Chiquito-Mancos Pool is denied.

(3) Rule 2 of the temporary special rules and regulations for the Gavilan-Mancos Oil Pool as promulgated by Order R-7407 is hereby amended as follows:

Rule 2 (a). A standard proration unit shall consist of between 632 and 648 acres consisting of a governmental section with at least one and not more than two wells drilled or recompleted thereon; provided that if the second well is drilled or recompleted on a standard unit it shall not be located in the same quarter section, nor

closer than 1650 feet to the first well drilled on the unit; and provided further that proration units formed prior to the date of this order are hereby granted exception to this rule.

(b). A buffer zone is hereby created consisting of the east half of sections bordering Township 1 West. Only one well per section shall be drilled in said buffer zone and if such well is located closer than 2310 feet from the western boundary of the West Puerto Chiquito-Mancos Oil Pool it shall not be allowed to produce more than one-half the top allowable for a 640-acre proration unit.

(4) Beginning July 1, 1987, the allowable shall be 1280 barrels of oil per day per 640 acres with a limiting gas-oil ratio of 2,000 cubic feet of gas per barrel of oil. Operators are required to monitor reservoir performance, including but not limited to, production rates, gas-oil ratios, reservoir pressures, and shall report this information to the Commission within 30 days after completion of the tests. Within the first week of July, 1987, bottom hole pressure tests shall be taken on all wells. Wells shall be shut-in until pressure stabilizes or for a period not longer than 72 hours. Additional bottom hole tests shall be taken within the first week of October, 1987, with similar testing requirements. All produced gas, including gas vented or flared, shall be metered. Operators are required to submit a testing schedule to the District Supervisor of the Aztec office of the Oil Conservation Division prior to testing so that tests may be witnessed by OCD personnel.

(5) Beginning October 1, 1987, the allowable shall be 800 barrels of oil per day per 640 acres with a limiting gas-oil ratio of 600 cubic feet of gas per barrel of oil. Operators are required to monitor reservoir performance as in (4) above with bottom hole pressure tests to be taken within the first week of January, 1988. This allowable and GOR limitation shall remain in effect until further notice from the Commission.

(6) In order to prevent further waste and impairment of correlative rights each well in the Gavilan-Mancos Oil Pool shall be connected to a gas gathering system by October 1, 1987 or within ninety days of completion. If Wells presently unconnected are not connected by October 1 the Director may reduce the Gavilan-Mancos allowable as may be appropriate to prevent waste and protect correlative rights. In instances where it can be shown that connection is absolutely uneconomic the well involved may be granted authority to flow or vent the



Cases Nos. 7980, 8946, 9113 and 9114  
Order No. R-7407-E

gas under such circumstances as to minimize waste as determined by the Director.

(7) The temporary special pool rules promulgated by Order R-7407 are hereby extended to the effective date of this order and said rules as amended herein are hereby made permanent.

(8) This case shall be reopened at a hearing to be held in May, 1988 to review the pools in light of information to be gained in the next year and to determine if further changes in rules may be advisable.

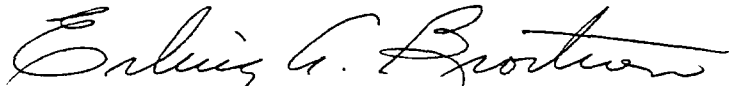
(9) Jurisdiction of this cause is retained for entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico on the day and year hereinabove designated.

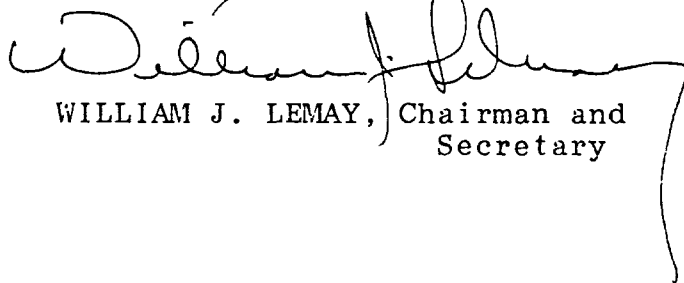
STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION



WILLIAM R. HUMPHRIES, Member



ERLING A. BROSTUEN, Member



WILLIAM J. LEMAY, Chairman and  
Secretary

S E A L

dr/

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION COMMISSION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE NO. 7980  
Order No. R-7407

NOMENCLATURE

APPLICATION OF JEROME P. MCHUGH  
FOR THE CREATION OF A NEW OIL POOL  
AND SPECIAL POOL RULES, RIO ARRIBA  
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on November 16, 1983, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 20th day of December, 1983, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Jerome P. McHugh, seeks an order creating a new oil pool, vertical limits to be the Niobrara member of the Mancos formation, with special pool rules including a provision for 320-acre spacing, Rio Arriba County, New Mexico.

(3) That in companion Case 7979, Northwest Pipeline Company seeks an order deleting certain lands from the Basin Dakota Pool, the creation of a new oil pool with vertical limits defined as being from the base of the Mesaverde formation to the base of the Dakota formation, (the Mancos and Dakota formations), and the promulgation of special pool rules including a provision for 160-acre spacing, Rio Arriba County, New Mexico.

(4) That Cases 7979 and 7980 were consolidated for the purpose of obtaining testimony.

(5) That geological information and bottomhole pressure differentials indicate that the Mancos and Dakota Formations are separate and distinct common sources of supply.

(6) That the testimony presented would not support a finding that one well would efficiently drain 320 acres in the Dakota formation.

(7) That the Mancos formation in the area is a fractured reservoir with low porosity and with a matrix permeability characteristic of the Mancos being produced in the West Puerto Chiquito Mancos Pool immediately to the east of the area.

(8) That said West Puerto Chiquito-Mancos Pool is a gravity drainage reservoir spaced at 640 acres to the well.

(9) That the evidence presented in this case established that the gravity drainage in this area will not be as effective as that in said West Puerto Chiquito-Mancos Pool and that smaller proration units should be established therein.

(10) That the currently available information indicates that one well in the Gavilan-Mancos Oil Pool should be capable of effectively and efficiently draining 320 acres.

(11) That in order to prevent the economic loss caused by the drilling of unnecessary wells, to prevent reduced recovery of hydrocarbons which might result from the drilling of too many wells, and to otherwise prevent waste and protect correlative rights, the Gavilan-Mancos Oil Pool should be created with temporary Special Rules providing for 320-acre spacing.

(12) That the vertical limits of the Gavilan-Mancos Pool should be defined as: The Niobrara member of the Mancos formation between the depths of 6590 feet and 7574 feet as found in the Northwest Exploration Company, Gavilan Well No. 1, located in Unit A of Section 26, Township 25 North, Range 2 West, NMPM, Rio Arriba County, New Mexico.

-3-  
Case No. 7980  
Order No. R-7407

(13) That the horizontal limits of the Gavilan-Mancos Oil Pool should be as follows:

TOWNSHIP 24 NORTH, RANGE 2 WEST, NMPM  
Sections 1 through 3: All

(TOWNSHIP 25 NORTH, RANGE 2 WEST, NMPM)  
Sections 19 through 30: All  
Sections 33 through 36: All

(14) That to protect the correlative rights of interested parties in the West Puerto-Chiquito Mancos Oil Pool, it is necessary to adopt a restriction requiring that no more than one well be completed in the Gavilan-Mancos Oil Pool in the E/2 of each section adjoining the western boundary of the West Puerto Chiquito-Mancos Oil Pool, and shall be no closer than 1650 feet to the common boundary line between the two pools.

(15) That in order to gather information pertaining to reservoir characteristics in the Gavilan-Mancos Oil Pool and its potential impact upon the West Puerto Chiquito-Mancos Oil Pool, the Special Rules for the Gavilan-Mancos Oil Pool should provide for the annual testing of the Mancos in any well drilled in the E/2 of a section adjoining the West Puerto Chiquito-Mancos Pool.

(16) That the said Temporary Special Rules and Regulations should be established for a three-year period in order to allow the operators in the Gavilan-Mancos Oil Pool to gather reservoir information to establish whether the temporary rules should be made permanent.

(17) That the effective date of the Special Rules and Regulations promulgated for the Gavilan-Mancos Oil Pool should be more than sixty days from the date of this order in order to allow the operators time to amend their existing proration and spacing units to conform to the new spacing and proration rules.

IT IS THEREFORE ORDERED:

(1) That a new pool in Rio Arriba County, New Mexico, classified as an oil pool for Mancos production is hereby created and designated as the Gavilan-Mancos Oil Pool, with the vertical limits comprising the Niobrara member of the Mancos shale as described in Finding No. (12) of this Order and with horizontal limits as follows:

GAVILAN-MANCOS OIL POOL  
RIO ARRIBA COUNTY, NEW MEXICO

TOWNSHIP 24 NORTH, RANGE 2 WEST, NMPM  
Sections 1 through 3: All

TOWNSHIP 25 NORTH, RANGE 2 WEST, NMPM  
Sections 19 through 30: All  
Sections 33 through 36: All

(2) That temporary Special Rules and Regulations for the Gavilan Mancos Oil Pool are hereby promulgated as follows:

SPECIAL RULES AND REGULATIONS  
FOR THE  
GAVILAN-MANCOS OIL POOL

RULE 1. Each well completed or recompleted in the Gavilan-Mancos Oil Pool or in a correlative interval within one mile of its northern, western or southern boundary, shall be spaced, drilled, operated and produced in accordance with the Special Rules and Regulations hereinafter set forth.

RULE 2. No more than one well shall be completed or recompleted on a standard unit containing 320 acres, more or less, consisting of the N/2, S/2, E/2, or W/2 of a governmental section.

RULE 3. Non-standard spacing or proration units shall be authorized only after proper notice and hearing.

RULE 4. Each well shall be located no nearer than 790 feet to the outer boundary of the spacing or proration unit, nor nearer than 330 feet to a governmental quarter-quarter section line.

RULE 5. That no more than one well in the Gavilan-Mancos Oil Pool shall be completed in the East one-half of any section that is contiguous with the western boundary of the West Puerto Chiquito-Mancos Oil Pool, with said well being located no closer than 1650 feet to said boundary.

RULE 6. That the operator of any Gavilan-Mancos Oil Pool well located in any of the governmental sections contiguous to the West Puerto Chiquito-Mancos Oil Pool the production from which is commingled with production from any other pool or formation and which is capable of producing more than 50 barrels of oil per day or which has a gas-oil ratio greater than 2,000 to 1, shall annually, during the month of April or May, conduct a production test of the Mancos formation production in each said well in accordance with testing procedures acceptable to the Aztec district office of the Oil Conservation Division.

-5-  
Case No. 7980  
Order No. R-7407

IT IS FURTHER ORDERED:

(1) That the Special Rules and Regulations for the Gavilan-Mancos Oil Pool shall become effective March 1, 1984.

(2) That any well presently producing from the Gavilan-Mancos Oil Pool which does not have a standard 320-acre proration unit, an approved non-standard proration unit, or which does not have a pending application for a hearing for a standard or non-standard proration unit by March 1, 1984, shall be shut-in until a standard or non-standard unit is assigned the well.

(3) That this case shall be reopened at an examiner hearing in March, 1987, at which time the operators in the subject pool should be prepared to appear and show cause why the Gavilan-Mancos Oil Pool should not be developed on 40-acre spacing units.

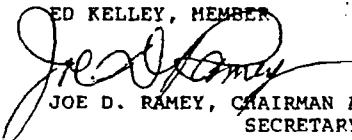
(4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

JIM BACA, MEMBER

  
ED KELLEY, MEMBER

  
JOE D. RAMEY, CHAIRMAN AND  
SECRETARY

S E A L

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION COMMISSION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE NO. 7980  
Order No. R-7407

NOMENCLATURE

APPLICATION OF JEROME P. McHUGH  
FOR THE CREATION OF A NEW OIL POOL  
AND SPECIAL POOL RULES, RIO ARRIBA  
COUNTY, NEW MEXICO.

*See also Order No. R-7407-A*

ORDER OF THE COMMISSION

BY THE COMMISSION:

*R-7407-15*

This cause came on for hearing at 9 a.m. on November 16, 1983, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 20th day of December, 1983, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Jerome P. McHugh, seeks an order creating a new oil pool, vertical limits to be the Niobrara member of the Mancos formation, with special pool rules including a provision for 320-acre spacing, Rio Arriba County, New Mexico.

(3) That in companion Case 7979, Northwest Pipeline Company seeks an order deleting certain lands from the Basin Dakota Pool, the creation of a new oil pool with vertical limits defined as being from the base of the Mesaverde formation to the base of the Dakota formation, (the Mancos and Dakota formations), and the promulgation of special pool rules including a provision for 160-acre spacing, Rio Arriba County, New Mexico.

(4) That Cases 7979 and 7980 were consolidated for the purpose of obtaining testimony.

(5) That geological information and bottomhole pressure differentials indicate that the Mancos and Dakota Formations are separate and distinct common sources of supply.

(6) That the testimony presented would not support a finding that one well would efficiently drain 320 acres in the Dakota formation.

(7) That the Mancos formation in the area is a fractured reservoir with low porosity and with a matrix permeability characteristic of the Mancos being produced in the West Puerto Chiquito Mancos Pool immediately to the east of the area.

(8) That said West Puerto Chiquito-Mancos Pool is a gravity drainage reservoir spaced at 640 acres to the well.

(9) That the evidence presented in this case established that the gravity drainage in this area will not be as effective as that in said West Puerto Chiquito-Mancos Pool and that smaller proration units should be established therein.

(10) That the currently available information indicates that one well in the Gavilan-Mancos Oil Pool should be capable of effectively and efficiently draining 320 acres.

(11) That in order to prevent the economic loss caused by the drilling of unnecessary wells, to prevent reduced recovery of hydrocarbons which might result from the drilling of too many wells, and to otherwise prevent waste and protect correlative rights, the Gavilan-Mancos Oil Pool should be created with temporary Special Rules providing for 320-acre spacing.

(12) That the vertical limits of the Gavilan-Mancos Pool should be defined as: The Niobrara member of the Mancos formation between the depths of 6590 feet and 7574 feet as found in the Northwest Exploration Company, Gavilan Well No. 1, located in Unit A of Section 26, Township 25 North, Range 2 West, NMPM, Rio Arriba County, New Mexico.



(13) That the horizontal limits of the Gavilan-Mancos Oil Pool should be as follows:

TOWNSHIP 24 NORTH, RANGE 2 WEST, NMPPM  
Sections 1 through 3: All

(TOWNSHIP 25 NORTH, RANGE 2 WEST, NMPPM)  
Sections 19 through 30: All  
Sections 33 through 36: All

(14) That to protect the correlative rights of interested parties in the West Puerto-Chiquito Mancos Oil Pool, it is necessary to adopt a restriction requiring that no more than one well be completed in the Gavilan-Mancos Oil Pool in the E/2 of each section adjoining the western boundary of the West Puerto Chiquito-Mancos Oil Pool, and shall be no closer than 1650 feet to the common boundary line between the two pools.

(15) That in order to gather information pertaining to reservoir characteristics in the Gavilan-Mancos Oil Pool and its potential impact upon the West Puerto Chiquito-Mancos Oil Pool, the Special Rules for the Gavilan-Mancos Oil Pool should provide for the annual testing of the Mancos in any well drilled in the E/2 of a section adjoining the West Puerto Chiquito-Mancos Pool.

(16) That the said Temporary Special Rules and Regulations should be established for a three-year period in order to allow the operators in the Gavilan-Mancos Oil Pool to gather reservoir information to establish whether the temporary rules should be made permanent.

(17) That the effective date of the Special Rules and Regulations promulgated for the Gavilan-Mancos Oil Pool should be more than sixty days from the date of this order in order to allow the operators time to amend their existing proration and spacing units to conform to the new spacing and proration rules.

IT IS THEREFORE ORDERED:

(1) That a new pool in Rio Arriba County, New Mexico, classified as an oil pool for Mancos production is hereby created and designated as the Gavilan-Mancos Oil Pool, with the vertical limits comprising the Niobrara member of the Mancos shale as described in Finding No. (12) of this Order and with horizontal limits as follows:

GAVILAN-MANCOS OIL POOL  
RIO ARRIBA COUNTY, NEW MEXICO

TOWNSHIP 24 NORTH, RANGE 2 WEST, NMPM  
Sections 1 through 3: All

TOWNSHIP 25 NORTH, RANGE 2 WEST, NMPM  
Sections 19 through 30: All  
Sections 33 through 36: All

(2) That temporary Special Rules and Regulations for the Gavilan Mancos Oil Pool are hereby promulgated as follows:

SPECIAL RULES AND REGULATIONS  
FOR THE  
GAVILAN-MANCOS OIL POOL

RULE 1. Each well completed or recompleted in the Gavilan-Mancos Oil Pool or in a correlative interval within one mile of its northern, western or southern boundary, shall be spaced, drilled, operated and produced in accordance with the Special Rules and Regulations hereinafter set forth.

RULE 2. No more than one well shall be completed or recompleted on a standard unit containing 320 acres, more or less, consisting of the N/2, S/2, E/2, or W/2 of a governmental section.

RULE 3. Non-standard spacing or proration units shall be authorized only after proper notice and hearing.

RULE 4. Each well shall be located no nearer than 790 feet to the outer boundary of the spacing or proration unit, nor nearer than 330 feet to a governmental quarter-quarter section line.

RULE 5. That no more than one well in the Gavilan-Mancos Oil Pool shall be completed in the East one-half of any section that is contiguous with the western boundary of the West Puerto Chiquito-Mancos Oil Pool, with said well being located no closer than 1650 feet to said boundary.

RULE 6. That the operator of any Gavilan-Mancos Oil Pool well located in any of the governmental sections contiguous to the West Puerto Chiquito-Mancos Oil Pool the production from which is commingled with production from any other pool or formation and which is capable of producing more than 50 barrels of oil per day or which has a gas-oil ratio greater than 2,000 to 1, shall annually, during the month of April or May, conduct a production test of the Mancos formation production in each said well in accordance with testing procedures acceptable to the Aztec district office of the Oil Conservation Division.

IT IS FURTHER ORDERED:

(1) That the Special Rules and Regulations for the Gavilan-Mancos Oil Pool shall become effective March 1, 1984.

(2) That any well presently producing from the Gavilan-Mancos Oil Pool which does not have a standard 320-acre proration unit, an approved non-standard proration unit, or which does not have a pending application for a hearing for a standard or non-standard proration unit by March 1, 1984, shall be shut-in until a standard or non-standard unit is assigned the well.

(3) That this case shall be reopened at an examiner hearing in March, 1987, at which time the operators in the subject pool should be prepared to appear and show cause why the Gavilan-Mancos Oil Pool should not be developed on 40-acre spacing units.

(4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

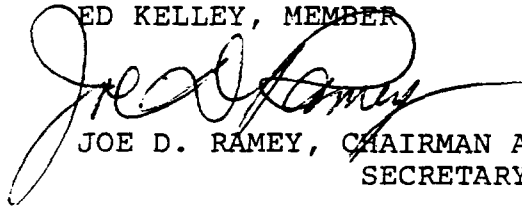
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

JIM BACA, MEMBER



ED KELLEY, MEMBER



JOE D. RAMEY, CHAIRMAN AND  
SECRETARY

S E A L

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 8042  
Order No. R-7407-A

APPLICATION OF NORTHWEST EXPLORATION  
COMPANY FOR AN EXCEPTION TO ORDER  
NO. R-7407 AND FOR DOWNHOLE COMMINGLING,  
RIO ARRIBA COUNTY, NEW MEXICO.

*See Also Order No*  
*R-7407*

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8 a.m. on January 18, 1984, at Santa Fe, New Mexico, before Examiner Michael E. Stogner.

NOW, on this 7th day of May, 1984, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Northwest Exploration Company, seeks an exception to Division Order No. R-7407 to allow for simultaneous dedication of their Gavilan Well No. 1 located 930 feet from the North line and 910 feet from the East line of Section 26, Township 25 North, Range 2 West, NMPM, Rio Arriba County, New Mexico, and of their Gavilan Well No. 1-E located 1850 feet from the North line and 990 feet from the West line of said Section 26, to a standard 320-acre Gavilan-Mancos Oil Pool spacing and proration unit comprising the N/2 of said Section 26.
- (3) That at the time of the hearing the applicant requested that any such Order issued for simultaneous dedication be effective as of March 1, 1984.

(4) That the applicant further seeks authority to commingle Basin-Dakota production and Gavilan-Mancos oil production within the individual wellbores of the above-described wells.

(5) That said Gavilan Well No. 1, as described in Finding Paragraph No. (2) above, is capable of producing six barrels of oil per day and 89 MCF of gas per day from the Dakota zone and 56 barrels of oil per day and 630 MCF of gas per day from the Gallup zone.

(6) That said Gavilan Well No. 1-E, as described in Finding Paragraph No. (2) above, is perforated in the Gavilan-Mancos Oil Pool (6804 feet to 7366 feet), Undesignated Greenhorn (7653 feet to 7708 feet), and Basin-Dakota Pool (7822 feet to 7918 feet).

(7) That the applicant did not present any reservoir, production, and/or geological data on the Greenhorn interval in their said Gavilan Well No. 1-E.

(8) That RULE 2 of the Temporary Special Rules and Regulations for the Gavilan-Mancos Oil Pool, as promulgated by Division Order No. R-7407, dated December 20, 1983, and became effective March 1, 1984, provides for a restriction requiring that no more than one well be completed or recompleted on a standard 320-acre spacing and proration unit comprising either the N/2, S/2, E/2, or W/2 of a governmental section in the following described area in Rio Arriba County, New Mexico:

TOWNSHIP 24 NORTH, RANGE 2 WEST, NMPM  
Sections 1 through 3: All

TOWNSHIP 25 NORTH, RANGE 2 WEST, NMPM  
Sections 19 through 30: All  
Sections 33 through 36: All

(9) That said special rules are temporary for a period of three years during which the operators in said pool are to gather reservoir information to establish whether or not said temporary rules should be made permanent.

(10) That the proposed downhole commingling would render said Gavilan Well No. 1 and Gavilan Well No. 1-E useless for the purpose of gathering said reservoir data.

(11) That without the data to be gained by the completion and production of Gavilan-Mancos Oil Pool wells as single wells or as isolated zones in dual completions a good sampling of reservoir data cannot be obtained.

(12) That without said information, the Division would not have good reservoir data in said Gavilan-Mancos Oil Pool which would be necessary for the determination of whether or not continuation of said special rules would serve to prevent waste and protect correlative rights.

(13) That to assure that adequate reservoir data is available to make proper determinations as to waste of oil and gas and protection of correlative rights in said Gavilan-Mancos Oil Pool, the downhole commingling portion of this application should be denied pending adoption of permanent rules for said pool.

(14) That no offset operator objected to the proposed simultaneous dedication.

IT IS THEREFORE ORDERED:

(1) That the applicant, Northwest Exploration Company, is hereby granted an exception to Division Order No. R-7407 and is authorized to simultaneously dedicate Gavilan-Mancos Oil Pool production from their Gavilan Well No. 1 located 930 feet from the North line and 910 feet from the East line of Section 26, Township 25 North, Range 2 West, NMPM, Rio Arriba County, New Mexico, and their Gavilan Well No. 1-E located 1850 feet from the North line and 990 feet from the West line of said Section 26, to a standard 320-acre Gavilan-Mancos Oil Pool spacing and proration unit comprising the N/2 of said Section 26.

(2) That the portion of this application seeking to commingle Basin-Dakota production and Gavilan-Mancos oil production within the individual wellbores of the above-described wells is hereby denied.

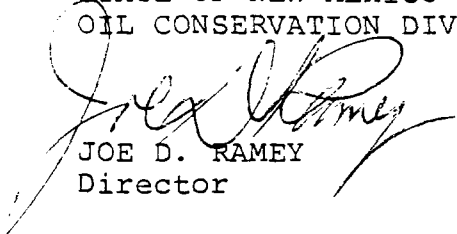
(3) That this Order is hereby effective as of March 1, 1984.

(4) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

-4-  
Case No. 8042  
Order No. R-7407-A

DONE at Santa Fe, New Mexico, on the day and year herein-  
above designated.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



JOE D. RAMEY  
Director

S E A L

fd/

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE NO. 8042 DE NOVO  
Order No. R-7407-B

APPLICATION OF NORTHWEST EXPLORATION  
COMPANY FOR AN EXCEPTION TO ORDER NO.  
R-7407 AND FOR DOWNHOLE COMMINGLING,  
RIO ARRIBA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on August 1,  
1984, at Santa Fe, New Mexico, before the Oil Conservation  
Commission of New Mexico, hereinafter referred to as the  
"Commission."

NOW, on this 13th day of August, 1984, the Commis-  
sion, a quorum being present, having considered the testimony  
presented and the exhibits received at said hearing, and  
being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required  
by law, the Commission has jurisdiction of this cause and the  
subject matter thereof.

(2) That the applicant, Northwest Exploration Company,  
seeks an exception to Division Order No. R-7407 to allow  
for simultaneous dedication of their Gavilan Well No. 1  
located 930 feet from the North line and 910 feet from the  
East line of Section 26, Township 25 North, Range 2 West,  
NMPM, Rio Arriba County, New Mexico, and of their Gavilan  
Well No. 1-E located 1850 feet from the North line and 990  
feet from the West line of said Section 26, to a standard  
320-acre Gavilan-Mancos Oil Pool spacing and proration  
unit comprising the N/2 of said Section 26 and further  
seeks authority to commingle Basin-Dakota production and  
Gavilan-Mancos oil production within the individual wellbores  
of the above-described wells.

(3) That the matter came on for hearing at 8 a.m. on  
January 18, 1984, at Santa Fe, New Mexico, before Examiner



Case No. 8042 De Novo  
Order No. R-7407-B

Michael E. Stogner and, pursuant to his hearing, Order No. R-7407-A was issued on May 7, 1984, which granted Northwest Exploration Company's application for an exception to Order No. R-7407 but denied the application for downhole commingling.

(4) That on June 4, 1984, application for Hearing De Novo was made by Northwest Exploration Company and the matter was set for hearing before the Commission.

(5) That the matter came on for hearing de novo on August 1, 1984.

(6) That at the time of the hearing the applicant requested that any such order issued for simultaneous dedication be effective as of March 1, 1984.

(7) That said Gavilan Well No. 1, as described in Finding Paragraph No. (2) above, is capable of producing six barrels of oil per day and 88.4 MCF of gas per day from the Dakota zone and 59.3 barrels of oil per day and 628.5 MCF of gas per day from the Mancos zone.

(8) That said Gavilan Well No. 1-E, as described in Finding Paragraph No. (2) above, is perforated in the Gavilan-Mancos Oil Pool (6804 feet to 7366 feet), Undesignated Greenhorn (7653 feet to 7708 feet), and Basin-Dakota Pool (7822 feet to 7918 feet), and is capable of producing 30.3 barrels of oil and 144.3 MCF of gas from the Mancos zone, 3.4 barrels of oil and 16 MCF of gas from the Greenhorn zone, and 10.2 barrels of oil and 34.6 MCF of gas from the Dakota zone.

(9) That production from the Greenhorn and Dakota zones is marginal in nature and is not sufficient to support the drilling of a well to those zones only.

(10) That the proposed commingling may result in the recovery of additional hydrocarbons from each of the subject pools, thereby preventing waste, and will not violate correlative rights.

(11) That the reservoir characteristics of each of the subject zones are such that underground waste would not be caused by the proposed commingling provided that the well is not shut-in for an extended period.

(12) That to afford the Division the opportunity to assess the potential for waste and to expeditiously order

appropriate remedial action, the operator should notify the Aztec district office of the Division any time the subject well is shut-in for 7 consecutive days.

(13) That in order to allocate the commingled production to each of the commingled zones in said Gavilan Well No. 1, 90.8 percent of the commingled oil and 87.7 percent of the commingled gas should be allocated to the Mancos zone, and 9.2 percent of the commingled oil and 12.3 percent of the commingled gas should be allocated to the Dakota zone.

(14) That in order to allocate the commingled production to each of the commingled zones in said Gavilan Well No. 1E, 69 percent of the commingled oil and 74 percent of the commingled gas should be allocated to the Mancos zone, 7.7 percent of the commingled oil and 8.2 percent of the commingled gas should be allocated to the Greenhorn zone, and 23.3 percent of the commingled oil and 17.8 percent of the commingled gas should be allocated to the Dakota zone.

(15) That Division Order No. R-7407-A should be declared null and void.

IT IS THEREFORE ORDERED:

(1) That the applicant, Northwest Exploration Company, is hereby granted an exception to Division Order No. R-7407 and is authorized to simultaneously dedicate Gavilan-Mancos Oil Pool production from their Gavilan Well No. 1 located 930 feet from the North line and 910 feet from the East line of Section 26, Township 25 North, Range 2 West, NMPM, Rio Arriba County, New Mexico, and their Gavilan Well No. 1-E located 1850 feet from the North line and 990 feet from the West line of said Section 26, to a standard 320-acre Gavilan-Mancos Oil Pool spacing and proration unit comprising the N/2 of said Section 26.

(2) That the applicant is hereby authorized to commingle Mancos and Dakota production within the wellbore of the above described Gavilan Well No. 1 and to commingle Mancos, Greenhorn, and Dakota production within the wellbore of the above described Gavilan Well No. 1-E.

(3) That this order is hereby effective as of March 1, 1984.

(4) That 90.8 percent of the commingled oil and 87.7 percent of the commingled gas shall be allocated to the

Case No. 8042 De Novo  
Order No. R-7407-B

Mancos zone, and 9.2 percent of the commingled oil and 12.3 percent of the commingled gas shall be allocated to the Dakota zone in the above described Gavilan Well No. 1.

(5) That 69 percent of the commingled oil and 74 percent of the commingled gas shall be allocated to the Mancos zone, 7.7 percent of the commingled oil and 8.2 percent of the commingled gas shall be allocated to the Greenhorn zone, and 23.3 percent of the commingled oil and 17.8 percent of the commingled gas shall be allocated to the Dakota zone in the above described Gavilan Well No. 1-E.

(6) That Division Order No. R-7407-A is hereby made null and void and of no effect whatsoever.

(7) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

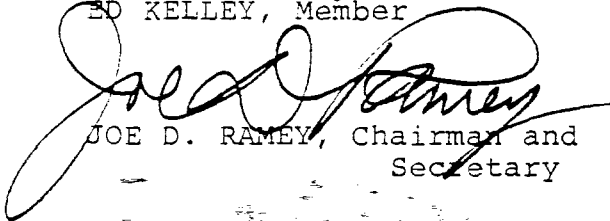
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

JIM BACA, Member



ED KELLEY, Member



JOE D. RAMEY, Chairman and  
Secretary

S E A L

fd/

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 8839  
Order No. R-7407-C

APPLICATION OF JEROME P. MCHUGH  
FOR EXCEPTIONS TO THE SPECIAL  
POOL RULES FOR THE GAVILAN-MANCOS  
OIL POOL AS PROMULGATED BY DIVISION  
ORDER NO. R-7407, RIO ARRIBA COUNTY,  
NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on April 16, 1986, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 19th day of May, 1986, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) By Order No. R-7407 dated December 20, 1983, the Division created, defined, and promulgated special pool rules for the Gavilan-Mancos Oil Pool, Rio Arriba County, New Mexico, including a provision for 320-acre well spacing and proration units.

(3) The applicant, Jerome P. McHugh, seeks approval of two non-standard proration units comprising: all of irregular Section 19, Township 25 North, Range 2 West, consisting of 187.76 acres, to be dedicated to a well at an unorthodox location 1980 feet from the South line and 660 feet from the East line of said Section 19; and all of irregular Section 30, Township 25 North, Range 2 West, consisting of 187.88 acres, to be dedicated to a well at an unorthodox

location 1420 feet from the South line and 660 feet from the East line of said Section 30, both in the Gavilan-Mancos Oil Pool, Rio Arriba County, New Mexico.

(4) Said non-standard proration units are necessitated by irregular sections resulting from survey corrections in the United States Public Lands Survey.

(5) The area encompassed by both non-standard proration units may reasonably be presumed to be productive of oil from the Gavilan-Mancos Oil Pool and both can be efficiently and economically drained and developed by the aforesaid wells.

(6) No offset operator appeared and objected to the unorthodox well locations or non-standard proration units.

(7) The allowable assigned to the non-standard proration units described above should bear the same ratio to a standard allowable as the acreage in the non-standard units bears to 320 acres.

(8) Approval of the subject application will afford the applicant the opportunity to produce his just and equitable share of the oil in the Gavilan-Mancos Oil Pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED THAT:

(1) Two non-standard proration units comprising all of irregular Section 19, Township 25 North, Range 2 West, NMPM, consisting of 187.76 acres, and all of irregular Section 30, Township 25 North, Range 2 West, NMPM, consisting of 187.88 acres, are hereby established for the Gavilan-Mancos Oil Pool, Rio Arriba County, New Mexico.

(2) The applicant is further authorized to drill two wells at unorthodox locations 1980 feet from the South line and 660 feet from the East line of Section 19, and 1420 feet from the South line and 660 feet from the East line of Section 30, both in Township 25 North, Range 2 West, NMPM, Gavilan-Mancos Oil Pool, Rio Arriba County, New Mexico.

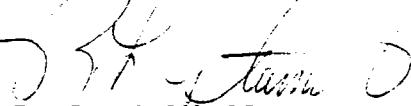
(3) The allowable assigned to the above-described non-standard proration units shall bear the same ratio to a standard allowable as the acreage in the non-standard units bears to 320 acres.

-3-  
Case No. 8839  
Order No. R-7407-C

(4) 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 the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
R. L. STAMETS  
Director

S E A L

fd/

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION COMMISSION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 8946  
Order No. R-7407-D

APPLICATION OF JEROME P. McHUGH  
AND ASSOCIATES FOR AN AMENDMENT  
TO THE SPECIAL RULES AND REGULATIONS  
OF THE GAVILAN-MANCOS OIL POOL.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing on August 7, 8, 21, 22,  
and 27, 1986 at Santa Fe, New Mexico, before the Oil  
Conservation Commission of New Mexico, hereinafter referred to  
as the "Commission."

NOW, on this 11th day of September, 1986, the  
Commission, a quorum being present, having considered the  
testimony presented and the exhibits received at said hearings  
and being fully advised in the premises,

FINDS THAT:

(1) The applicant has made a good-faith diligent effort  
to find and notify all operators of wells and each appropriate  
interested party as required by Division Order No. R-8054.

(2) Due public notice has been given as required by law  
and the Commission has jurisdiction of this case, the parties,  
and the subject matter thereof.

(3) The applicant, Jerome P. McHugh and Associates,  
seeks an order amending the temporary Special Rules and  
Regulations of the Gavilan-Mancos Oil Pool as promulgated by  
Division Order No. R-7407 to establish for a period of not  
less than ninety days a temporary special production allowable  
limitation of 200 barrels of oil per day for a standard  
320-acre spacing and proration unit and a special temporary  
gas-oil ratio limitation factor of 1,000 cubic feet of gas per  
barrel of oil produced.

(4) In Companion Case No. 8950, Benson-Montin-Greer  
Drilling Corporation seeks an order amending the Special Rules  
and Regulations of the West Puerto Chiquito-Mancos Oil Pool

promulgated by Division Order No. R-3401 to establish a temporary special production allowable limitation of 400 barrels of oil per day for a standard 640-acre spacing and proration unit and a special temporary gas-oil ratio limitation factor (GOR) of 1,000 cubic feet of gas per barrel of oil produced.

(5) Case No. 8950 and Case No. 8946 have been consolidated for purposes of hearing.

(6) Benson-Montin-Greer Drilling Corporation, Dugan Production Corporation and Meridian Oil Company appeared in support of McHugh's application.

(7) The proponents in this case presented testimony and evidence to show that:

(a) The Gavilan Mancos Oil Pool is a highly fractured reservoir which produces primarily by solution gas drive but has potential for significant additional oil recovery by gravity drainage and reducing the dissipation of natural reservoir energy by wells with relatively high gas-oil ratios;

(b) Based upon measurements of reservoir pressure and interference testing, excellent communication exists between wells and throughout the reservoir;

(c) Based upon bottom hole pressure measurements, the reservoir pressure is declining at rates that provide little time to prepare and develop a plan for improving the future operation and development of the reservoir;

(d) Based upon bottom hole pressure measurements, the daily producing oil rate should be reduced immediately to 200 barrels and the limiting gas-oil ratio should be reduced to 1,000 to slow reservoir depletion rates, allow time to evaluate the reservoir and formulate a plan for future operations and development that will result in increased recoveries of oil and gas; and

(e) Gravity drainage will be a factor in improving ultimate recovery in the Gavilan Mancos Oil Pool.



(8) Mobil Producing Texas and New Mexico Inc. appeared in opposition to McHugh's application and presented evidence to show that the Gavilan-Mancos Pool is a typical solution gas drive reservoir with significant potential for oil recovery from matrix porosity and that, because such a reservoir is not rate sensitive, to continue to produce the wells at the current allowable of 702 barrels per day and 2,000 GOR would not result in the reduction of the ultimate recovery of oil and gas therefrom.

(9) Mallon Oil Company, Mesa Grande Resources Inc. and Koch Exploration appeared and presented evidence to show that the Gavilan-Mancos Oil Pool is an individual well gas cap drive reservoir and that the limiting GOR should be reduced to the solution gas oil ratio in order to most effectively produce the reservoir but opposed the reduction in the maximum daily oil allowable, discounting the potential for significant gravity drainage.

(10) Prior to the application in this case, the operators in the Gavilan-Mancos Oil Pool formed a working interest owners committee, including geologic and engineering technical subcommittees, in order to discuss and address the issue of the most effective and efficient methods to develop and produce the pool.

(11) The applicant presented testimony that despite numerous meetings, the working interest owners have not yet agreed to any method of operations within said pool other than that provided in its special rules and that an emergency exists requiring the Commission to act immediately to reduce the rate of reservoir voidage in the Gavilan-Mancos Oil Pool to prevent waste and preserve reservoir energy until the working interest owners can reach such an agreement or until the Commission finally determines how best the pool might be developed and produced.

(12) The evidence presented at the hearing established that:

(a) the Gavilan Mancos Oil Pool primarily produces from a fractured shale with little or no matrix contribution;

(b) the Gavilan Mancos Pool is primarily a solution gas drive reservoir with potential for substantial additional ultimate oil recovery by gravity drainage;

(c) significant pressure depletion is occurring in wells and areas of the reservoir that have produced very little oil or gas;

(d) pressure interference tests have been conducted in representative areas of the pool, all of which demonstrate almost instantaneous interference over large distances;

(e) the solution GOR is between 480 and 646 cubic feet of gas per barrel of oil and most likely approximates 600 cubic feet of gas per barrel;

(f) wells in some areas of the Pool are producing at GOR rates in excess of the solution gas-oil ratio;

(g) free gas is being liberated reservoir-wide irrespective of structural position;

(h) reduction of the limiting GOR in the Gavilan-Mancos Oil Pool to near the solution GOR will prevent the inefficient dissipation of reservoir energy and will permit the owners in the pool to utilize their share of reservoir energy;

(i) the current 702 barrel per day oil maximum allowable is based upon an extension of Oil Conservation Division (Division) Rule 505 to wells in the Gavilan-Mancos Oil Pool depth range with 320-acre dedication;

(j) such depth bracket allowable could be appropriate for a normal pool with substantial matrix contribution to production but bears no rational relationship to the most efficient rate at which to produce the subject pool;

(k) the proposed 200 barrel per day maximum allowable, if imposed, would appear to result in production from the various tracts in the pool generally in closer proportion to the reserves thereunder than the current 702 barrel maximum allowable;

(l) imposition of such a maximum allowable, at this time, would unfairly penalize the operators of newer generally higher capacity wells as opposed to those operators of older generally declining capacity wells which previously enjoyed high rates of reservoir drainage;

(m) adoption of a temporary 400 barrel of oil per day maximum allowable rather than the 200 barrel limit proposed will, at this time, better permit the operators of the newer high capacity wells to recover their share of the oil in the Gavilan-Mancos Oil Pool; and

(n) a reduction in both the daily oil production rate and the limiting GOR will reduce the rate of reservoir voidage and pressure depletion and afford an improved opportunity for gravity drainage, thereby preventing waste, and permit operators additional time to determine the most effective and efficient method to further develop and produce the Pool.

(13) The adoption of a 600 cubic feet of gas per barrel of oil limiting GOR and reduction of the oil depth bracket allowable to 400 barrels per day in the Gavilan-Mancos Oil Pool on a temporary basis, at this time, is necessary to prevent waste.

(14) The adoption of such limiting GOR and depth bracket allowable will, at this time, more nearly permit each operator to use his share of the reservoir energy and more nearly recover the oil underlying the individual tracts in the pool than the existing limiting GOR and depth bracket allowable and will, therefore, better protect correlative rights.

(15) Such limiting GOR and depth bracket allowable should be adopted effective September 1, 1986, and should be continued until further order of the Commission.

(16) The issues raised in this case should be reconsidered when temporary special pool rules for the Gavilan-Mancos Oil Pool established by Order No. R-7407 are brought up for reconsideration in March, 1987, or upon the recommendation of the pool study committee.

IT IS THEREFORE ORDERED THAT:

(1) The terms and conditions of this order shall apply to all wells completed in the Gavilan-Mancos Oil Pool or wells completed in the Mancos formation within one mile thereof effective September 1, 1986 and shall remain in effect until further order of the Commission.

(2) The limiting gas oil ratio in the Gavilan-Mancos Oil Pool, as heretofore defined and described, Rio Arriba County, New Mexico, shall be 600 cubic feet of gas for each barrel of liquid hydrocarbons produced and that the depth bracket allowable therefor shall be 400 barrels of oil per day.

(3) Both applicants and opponents shall be permitted representatives on the Gavilan Pool Technical Study Committee and this Study Committee shall submit a status report to the Commission on or before November 15, 1986.

(4) Unless reopened by the Commission based upon the report of the Study Committee, this case shall be reopened at a Commission hearing in March, 1987, to be consolidated with the reconsideration of the Temporary Special Rules established by Order No. R-7407 for the Gavilan-Mancos Oil Pool.


(5) Jurisdiction of this cause is retained for entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

JIM BACA, Member

  
ED KELLEY, Member

  
R. L. STAMETS, Chairman and  
Secretary

S E A L

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION FOR THE PURPOSE OF  
CONSIDERING:

*See Also Ordinance Nos.*  
R-7407  
R-7407-A  
R-7407-B  
R-7407-C  
R-7407-D

CASES NOS. 7980, 8946,  
9113, AND 9114  
ORDER NO. R-7407-E

CASE NO. 7980

IN THE MATTER OF CASE 7980 BEING REOPENED PURSUANT TO THE PROVISIONS OF COMMISSION ORDER NO. R-7407, WHICH ORDER PROMULGATED TEMPORARY SPECIAL RULES AND REGULATIONS FOR THE GAVILAN-MANCOS OIL POOL IN RIO ARRIBA COUNTY, INCLUDING A PROVISION FOR 320-ACRE SPACING UNITS.

CASE NO. 8946

IN THE MATTER OF CASE 8946 BEING REOPENED PURSUANT TO THE PROVISIONS OF COMMISSION ORDER NO. R-7407-D, WHICH ORDER PROMULGATED A TEMPORARY LIMITING GAS-OIL RATIO AND DEPTH BRACKET ALLOWABLE FOR THE GAVILAN-MANCOS OIL POOL IN RIO ARRIBA COUNTY.

CASE NO. 9113

APPLICATION OF BENSON-MONTIN-GREER DRILLING CORPORATION, JEROME P. McHUGH & ASSOCIATES, AND SUN EXPLORATION AND PRODUCTION COMPANY TO ABOLISH THE GAVILAN-MANCOS OIL POOL, TO EXTEND THE WEST PUERTO CHIQUITO-MANCOS OIL POOL, AND TO AMEND THE SPECIAL RULES AND REGULATIONS FOR THE WEST PUERTO CHIQUITO-MANCOS OIL POOL, RIO ARRIBA COUNTY, NEW MEXICO.

CASE NO. 9114

APPLICATION OF MESA GRANDE RESOURCES, INC. FOR THE EXTENSION OF THE GAVILAN-MANCOS OIL POOL AND THE CONTRACTION OF THE WEST PUERTO CHIQUITO-MANCOS OIL POOL, RIO ARRIBA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

These causes came on for hearing on March 30 and 31 and April 1, 2, and 3, 1987 at Santa Fe, New Mexico before the Oil Conservation Commission of New Mexico hereinafter referred to as the "Commission."

Cases Noş. 7980, 8946, 9113 and 9114  
Order No. R-7407-E

NOW, on this 8th day of June, 1987, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearings and being fully advised in the premises,

FINDS THAT:

- (1) Due public notice having been given as required by law, the Commission has jurisdiction of these causes and the subject matter thereof.
- (2) At the time of hearing, Cases 7980, 8946, 8950, 9113 and 9114 were consolidated for purposes of testimony.
- (3) Case 7980 involves review of temporary pool rules promulgated by Order R-7407 and Case 8946 involves reopening the matter of temporary reduction of allowable and gas/oil ratio limit, under Order R-7407-D, both orders pertaining to the Gavilan-Mancos Oil Pool.
- (4) Case 8950 involves reopening the matter of temporary reduction of allowable and gas/oil ratio limit under Order R-3401-A pertaining to the West Puerto-Chiquito-Mancos Oil Pool.
- (5) Case 9113 involves a proposal to abolish the Gavilan-Mancos Oil Pool and consolidate that pool into the West Puerto-Chiquito-Mancos Oil Pool and Case 9114 involves a proposal to shift the boundary between Gavilan-Mancos and West Puerto Chiquito-Mancos Oil Pools.
- (6) The evidence shows that there is limited pressure communication between the two designated pools, and that there are two weakly connected areas separated by some restriction at or near the common boundary of the two designated pools.
- (7) The evidence shows there are three principal productive zones in the Mancos formation in both presently designated pools, designated A, B, and C zones listed from top to bottom and that, while all three zones are productive in both designated pools, West Puerto Chiquito produces primarily from the C zone and Gavilan produces chiefly from the A and B zones.
- (8) It is clear from the evidence that there is natural fracture communication between zones A and B but that natural fracture communication is minor or non-existent between zones B and C.

(9) The reservoir consists of fractures ranging from major channels of high transmissibility to micro-fractures of negligible transmissibility, and possibly, some intergranular porosity that must feed into the fracture system in order for oil therein to be recovered.

(10) The productive capacity of an individual well depends upon the degree of success in communicating the wellbore with the major fracture system.

(11) Interference tests indicate: 1) a high degree of communication between certain wells, 2) the ability of certain wells to economically and efficiently drain a large area of at least 640 acres; and 3) the probability exists that the better wells recover oil from adjacent tracts and even more distant tracts if such tracts have wells which were less successful in connecting with the major fracture system.

(12) There is conflicting testimony as to whether the reservoir is rate-sensitive and the Commission should act to order the operators in West Puerto Chiquito and Gavilan-Mancos pools to collect additional data during 90-day periods of increased and decreased allowables and limiting gas-oil ratios.

(13) Two very sophisticated model studies conducted by highly skilled technicians with data input from competent reservoir engineers produced diametrically opposed results so that estimates of original oil in place, recovery efficiency and ultimate recoverable oil are very different and therefore are in a wide range of values.

(14) There was agreement that pressure maintenance would enhance recovery from the reservoir and that a unit would be required to implement such a program in the Gavilan-Mancos Pool.

(15) Estimates of the amount of time required to deplete the Gavilan pool at current producing rates varied from 33 months to approximately five years from hearing date.

(16) Many wells are shut-in or are severely curtailed by OCD limits on permissible gas venting because of lack of pipeline connections and have been so shut in or curtailed for many months, during which time reservoir pressure has been shown by pressure surveys to be declining at 1 psi per day or more, indicating severe drainage conditions.

(17) No party requested making the temporary rules permanent, although certain royalty (not unleased minerals)

owners requested a return to 40-acre spacing, without presenting supporting evidence.

(18) Proration units comprised of 640 acres with the option to drill a second well would permit wider spacing and also provide flexibility.

(19) Recognizing that the two designated pools constitute two weakly connected areas with different geologic and operating conditions, the administration of the two areas will be simplified by maintaining two separate pools.

(20) A ninety day period commencing July 1, 1987, should be given for the connection for casinghead gas sale from now-unconnected wells in the Gavilan pool, after which allowables should be reduced in that pool until said wells are connected.

(21) To provide continuity of operation and to prevent waste by the drilling of unnecessary wells, the temporary spacing rules promulgated by Order R-7407 should remain in effect until superceded by this Order.

(22) Rules for 640-acre spacing units with the option for a second well on each unit should be adopted together with a provision that units existing at the date of this order should be continued in effect.

IT IS THEREFORE ORDERED THAT:

(1) The application of Benson-Montin-Greer et al in Case No. 9113 to abolish the Gavilan-Mancos pool and extend the West Puerto Chiquito-Mancos pool to include the area occupied by the Gavilan-Mancos Pool is denied.

(2) The application of Mesa Grande Resources, Inc. for the extension of the Gavilan-Mancos and the concomitant contraction of West Puerto Chiquito-Mancos Pool is denied.

(3) Rule 2 of the temporary special rules and regulations for the Gavilan-Mancos Oil Pool as promulgated by Order R-7407 is hereby amended as follows:

Rule 2 (a). A standard proration unit shall consist of between 632 and 648 acres consisting of a governmental section with at least one and not more than two wells drilled or recompleted thereon; provided that if the second well is drilled or recompleted on a standard unit it shall not be located in the same quarter section, nor



closer than 1650 feet to the first well drilled on the unit; and provided further that proration units formed prior to the date of this order are hereby granted exception to this rule.

(b). A buffer zone is hereby created consisting of the east half of sections bordering Township 1 West. Only one well per section shall be drilled in said buffer zone and if such well is located closer than 2310 feet from the western boundary of the West Puerto Chiquito-Mancos Oil Pool it shall not be allowed to produce more than one-half the top allowable for a 640-acre proration unit.

(4) Beginning July 1, 1987, the allowable shall be 1280 barrels of oil per day per 640 acres with a limiting gas-oil ratio of 2,000 cubic feet of gas per barrel of oil. Operators are required to monitor reservoir performance, including but not limited to, production rates, gas-oil ratios, reservoir pressures, and shall report this information to the Commission within 30 days after completion of the tests. Within the first week of July, 1987, bottom hole pressure tests shall be taken on all wells. Wells shall be shut-in until pressure stabilizes or for a period not longer than 72 hours. Additional bottom hole tests shall be taken within the first week of October, 1987, with similar testing requirements. All produced gas, including gas vented or flared, shall be metered. Operators are required to submit a testing schedule to the District Supervisor of the Aztec office of the Oil Conservation Division prior to testing so that tests may be witnessed by OCD personnel.

(5) Beginning October 1, 1987, the allowable shall be 800 barrels of oil per day per 640 acres with a limiting gas-oil ratio of 600 cubic feet of gas per barrel of oil. Operators are required to monitor reservoir performance as in (4) above with bottom hole pressure tests to be taken within the first week of January, 1988. This allowable and GOR limitation shall remain in effect until further notice from the Commission.

(6) In order to prevent further waste and impairment of correlative rights each well in the Gavilan-Mancos Oil Pool shall be connected to a gas gathering system by October 1, 1987 or within ninety days of completion. If Wells presently unconnected are not connected by October 1 the Director may reduce the Gavilan-Mancos allowable as may be appropriate to prevent waste and protect correlative rights. In instances where it can be shown that connection is absolutely uneconomic the well involved may be granted authority to flow or vent the

gas under such circumstances as to minimize waste as determine  
by the Director.

(7) The temporary special pool rules promulgated by Order  
R-7407 are hereby extended to the effective date of this order  
and said rules as amended herein are hereby made permanent.

(8) This case shall be reopened at a hearing to be held  
in May, 1988 to review the pools in light of information to be  
gained in the next year and to determine if further changes in  
rules may be advisable.

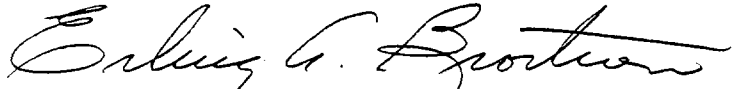
(9) Jurisdiction of this cause is retained for entry of  
such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico on the day and year  
hereinabove designated.

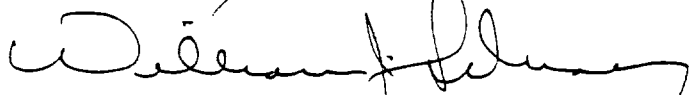
STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION



WILLIAM R. HUMPHRIES, Member



ERLING A. BROSTUEN, Member



WILLIAM J. LEMAY, Chairman and  
Secretary

S E A L

dr/