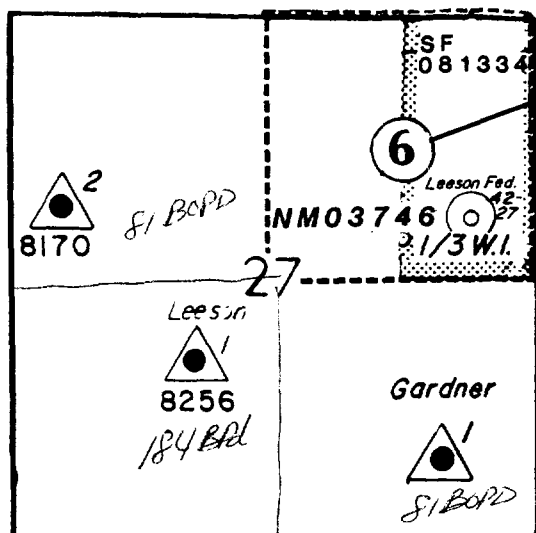


BEFORE EXAMINER CATANACH
OIL CONSERVATION DIVISION

R+B EXHIBIT NO. 1
CASE NO. 9091

R 3 W



MAP LOCATION #6

DSU

R&B NRI 87.5 %

SF081334

R&B	33.3333*
Hooper	33.3333
Ibex	15.6087
PC Ltd	15.6087
WC Tr.	.8138
Test. Tr.	.4272
Oatman	.8748
	<u>100.0000 %</u>

NM03746

Mtn States	50.00
D. Wagner, Jr.	23.25
D. Wagner, III	1.75
R. Gilliland	25.00
	<u>100.00 %</u>

*Rded. for convenience

- SW/22 - 1 mile - 23 BOPD
- NE/22 - 1 mile - 48 BOPD

GAVILAN AREA
Rio Arriba Co., New Mexico

LAND MAP

LANDMAN: E.G. Koeling

SCALE: 1" 2000'

DATE: 1-87

RB

READING & BATES PETROLEUM CO.

3200 Mid-Continent Tower
Tulsa, Oklahoma 74103
918 583-8180

February 23, 1987

To All Working Interest Owners

RE: Section 27-25N-3W
Rio Arriba County, New Mexico
Gavilan Prospect

Gentlemen:

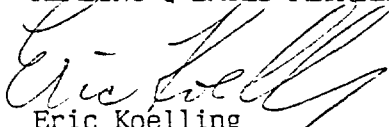
Reading & Bates Petroleum Co. is proposing to drill a Dakota test well at a legal location in the NE/4 of Section 27-25N-3W, Rio Arriba County, New Mexico. Enclosed please find an Operating Agreement and an AFE pertaining to this well. Should you desire to participate please execute and return one copy of our AFE and the extra signature page for the Operating Agreement. We are also enclosing three (3) Designation of Operator forms, please execute and return all three original forms to the undersigned for submittal to the Bureau of Land Management.

Should you wish to farmout your interest in this section, Reading & Bates would be willing to negotiate a farmout based on Reading & Bates earning 100% of the spacing unit and an 80% NRI lease subject to a 25% back-in after payout.

If you need further information please do not hesitate to contact the undersigned.

Very truly yours,

READING & BATES PETROLEUM CO.


Eric Koelling
Assistant Land Manager

EK/sf
Enclosures

BEFORE EXAMINER CATANACH	
OIL CONSERVATION DIVISION	
<u>Z+R</u>	EXHIBIT NO. <u>2</u>
CASE NO. <u>9091</u>	

EXHIBIT "A"

Attached to and made a part of that certain Operating Agreement by and between Reading & Bates Petroleum Co., as Operator and Hooper, Kimball & Williams, Inc., et al as Non-Operators dated February 20, 1987.

I. LANDS SUBJECT TO THIS AGREEMENT

Township 25 North - Range 3 West

Section 27: NE/4

Containing 160 acres, more or less.
Rio Arriba County, New Mexico

II. RESTRICTIONS AS TO DEPTH OR FORMATION

III. INTERESTS OF THE PARTIES TO THIS AGREEMENT

Reading & Bates	28.66666%
Hooper, Kimball & Williams, Inc.	4.66666%
Ibex Partnership	7.80437%
PC, Ltd	7.80437%
William Clark Trust	.40690%
Testamentary Trust Under the	
Will of Warren Clark	.21362%
Carolyn Clark Oatman	.43742%
Mountain States Natural Gas Corp.	25.00000%
Ralph Gilliland	12.50000%
Duer Wagner, Jr.	11.62500%
Duer Wagner, III	.87500%

IV. ADDRESSES OF THE PARTIES TO THIS AGREEMENT

Reading & Bates Petroleum Co.
3200 Mid-Continent Tower
Tulsa, Oklahoma 74103

Hooper, Kimball & Williams, Inc.
320 South Boston, Suite 1222
Tulsa, Oklahoma 74103

Ibex Partnership
P. O. Box 911
Breckenridge, Texas 76024

PC, Ltd.
P. O. Box 911
Breckenridge, Texas 76024

William Clark Trust
Mabel Reed Trustee
P. O. Box 1846
Austin, Texas 78767

Testamentary Trust Under the Will of Warren Clark
P. O. Box 1846
Austin, Texas 78767

Exhibit "A"

Page Two

Section 27-25N-3W

Rio Arriba County, New Mexico

Carolyn Clark Oatman

P. O. Box 1846

Austin, Texas 78767

Mountain States Natural Gas Corporation

P. O. Box 35426

Tulsa, Oklahoma 74135

Ralph Gilliland

Attn: Anne G. St.Clair

7420 Caruth

Dallas, Texas 75225

Duer Wagner, Jr.

2609 Texas American Building

Fort Worth, Texas 76102

Duer Wagner, III

2609 Texas American Building

Fort Worth, Texas 76102

BEFORE EXAMINER CATANACH
OIL CONSERVATION DIVISION
T+B EXHIBIT NO. 3
CASE NO. 9091

ERIC KOELLING, an employee and authorized representative of Reading and Bates Petroleum Co., the Applicant herein, being first duly sworn, upon oath, states that the notice provisions of Rule 1207 of the New Mexico Oil Conservation Division have been complied with, that Applicant has caused to be conducted a good faith diligent effort to find the correct addresses of all interested persons entitled to receive notice, as shown by Exhibit "A" attached hereto, and that pursuant to Rule 1207, notice has been given at the correct addresses provided by such rule.

Eric Koelling
ERIC KOELLING

SUBSCRIBED AND SWORN to before me this 17th day of March,
1987, by ERIC KOELLING.

Annette Byrnes
Notary Public

My Commission Expires:

Jan. 10, 1991

CAMPBELL & BLACK, P.A.

LAWYERS

JACK M. CAMPBELL
BRUCE D. BLACK
MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
J. SCOTT HALL
PETER N. LIVES
JOHN H. BEVINS

GUADALUPE PLACE
SUITE 110 NORTH GUADALUPE
POST OFFICE BOX 2206
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE (505) 988-4421
TELECOPIER (505) 983-6043

February 25, 1987

CERTIFIED MAIL
RETURN RECEIPT
REQUESTED

Mountain States Natural Gas Corporation
Post Office Box 35426
Tulsa, Oklahoma 74135

Re: Application of Reading and Bates Petroleum Company
for Compulsory Pooling: Township 26 North, Range
3 West, Section 27, NE/4, Rio Arriba County, New
Mexico

Dear Sir or Madam:

Enclosed is the application of Reading and Bates Petroleum
Company for compulsory pooling of the lands referenced above.

As you may have an interest in the lands affected, this
notice is being provided to you. This matter is presently set
for hearing before the New Mexico Oil Conservation Division on
March 18, 1987.

Very truly yours,



J. Scott Hall
Attorney for Reading and
Bates Petroleum Company

JSH/ba
Enclosure

● **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. ☒ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery.

3. Article Addressed to:
Mountain States Natural Gas Corporation
Post Office Box 35426
Tulsa, Oklahoma 74135

4. Article Number **P-573-873-913**
Type of Service:
☒ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

Always obtain signature of addressee or agent and **DATE DELIVERED**.

8. Addressee's Address (**ONLY if requested and fee paid**)

5. Signature - Addressee
X

6. Signature of Agent
X *[Signature]*

7. Date of Delivery
3-2-87

Form 3811, Feb. 1986 **Domestic Return Receipt**

P-573 873 913

RECEIPT FOR CASH MAIL

NO EXCHANGE CASH
NET FOR INTERNATIONAL

(See Reverse)

<i>Mountain States Natural Gas Corp.</i>	
Street and No.	P.O. Box 35426
City, State and ZIP Code	Tulsa, OK 74135
Postage	
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
2/25/87	

950-351 076550

U.S. POSTAL SERVICE

CAMPBELL & BLACK. P.A.
LAWYERS

JACK M. CAMPBELL
BRUCE D. BLACK
MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
J. SCOTT HALL
PETER N. IVES
JOHN H. BEMIS

GUADALUPE PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE (505) 968-4421
TELECOPIER (505) 963-6043

February 25, 1987

CERTIFIED MAIL
RETURN RECEIPT
REQUESTED

Ralph Gilliland
Attn: Anne G. St.Clair
7420 Caruth
Dallas, Texas 75225

Re: Application of Reading and Bates Petroleum Company
for Compulsory Pooling: Township 26 North, Range
3 West, Section 27, NE/4, Rio Arriba County, New
Mexico

Dear Ms. St.Clair:

Enclosed is the application of Reading and Bates Petroleum
Company for compulsory pooling of the lands referenced above.

As you may have an interest in the lands affected, this
notice is being provided to you. This matter is presently set
for hearing before the New Mexico Oil Conservation Division on
March 18, 1987.

Very truly yours,



J. Scott Hall
Attorney for Reading and
Bates Petroleum Company

JSH/ba
Enclosure

U.S.G.P.O. 153-506

PS Form 3811, June 1985

P-573 873 914

REPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

To: <i>Ralph Gilliland</i>	
Attn: <i>Anne G. St. Clair</i>	
P.O. <i>7420 Caruth</i>	
City, State and ZIP Code <i>Dallas, TX 75225</i>	
Postage	
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing signature and date of delivery	
Additional Remarks	

2/25/87

● 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. ☒ Show to whom delivered, date, and addressee's address.	2. ☐ Restricted Delivery.
3. Article Addressed to:	
<i>Ralph Gilliland</i> <i>Attn: Anne G. St. Clair</i> <i>7420 Caruth</i> <i>Dallas, Texas 75225</i>	
4. Article Number	
<i>P-573-873-914</i>	
Type of Service:	
☒ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail	
Always obtain signature of addressee or agent and DATE DELIVERED.	
8. Addressee's Address (ONLY if requested and fee paid)	
5. Signature - Addressee <i>X</i> <i>Ralph Cannon</i>	
6. Signature - Agent <i>X</i>	
7. Date of Delivery	
<i>2-27</i>	

DOMESTIC RETURN RECEIPT

PS Form 3811, Feb. 1986 Case 9091 R 13

CAMPBELL & BLACK, P.A.

LAWYERS

JACK M. CAMPBELL
BRUCE D. BLACK
MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
J. SCOTT HALL
PETER N. IVES
JOHN H. BEMIS

GUADALUPE PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE (505) 986-4421
TELECOPIER (505) 983-6043

February 25, 1987

CERTIFIED MAIL
RETURN RECEIPT
REQUESTED

Duer Wagner, Jr.
2609 Texas American Building
Fort Worth, Texas 76102

Re: Application of Reading and Bates Petroleum Company
for Compulsory Pooling: Township 26 North, Range
3 West, Section 27, NE/4, Rio Arriba County, New
Mexico

Dear Mr. Wagner:

Enclosed is the application of Reading and Bates Petroleum
Company for compulsory pooling of the lands referenced above.

As you may have an interest in the lands affected, this
notice is being provided to you. This matter is presently set
for hearing before the New Mexico Oil Conservation Division on
March 18, 1987.

Very truly yours,



J. Scott Hall
Attorney for Reading and
Bates Petroleum Company

JSH/ba
Enclosure

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. ☒ Show to whom delivered, date, and addressee's address.		2. ☐ Restricted Delivery.	
3. Article Addressed to: Duer Wagner, III 2609 Texas American Building Fort Worth, Texas 76102		4. Article Number P-573 873 916	
5. Signature - Addressee X		Type of Service: ☒ Registered ☐ Certified ☐ Insured ☐ Express Mail ☐ COD	
6. Signature of Agent X <i>[Signature]</i>		8. Addressee's Address (ONLY if requested and fee paid) <i>SHUTE</i>	
7. Date of Delivery FEB 27 1987			

PS Form 3811, Feb. 1986 Case 9091-R 3 B DOMESTIC RETURN RECEIPT

P-573 873 916

RECEIPT FOR CARRIER

MAIL

NO INSURANCE COVERED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

To: *Duer Wagner, III*
Street and No: *2609 Texas Amer. Bldg.*
City, State and ZIP Code: *Fort Worth, TX 76102*

Postage	
Certified Fee	
Special Delivery Fee	
Registered Delivery Fee	
Insurance Fee	
Express Mail Fee	
COD Fee	

2/25/87

915-506 153-006

501-1000 1000-1000

CAMPBELL & BLACK, P.A.

LAWYERS

JACK M. CAMPBELL
BRUCE D. BLACK
MICHAEL E. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
J. SCOTT HALL
PETER N. IVES
JOHN L. BEWIS

GUADALUPE PLACE
SUITE 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE (505) 988-4421
TELECOPIER (505) 983-8043

February 25, 1987

CERTIFIED MAIL
RETURN RECEIPT
REQUESTED

Duer Wagner, III
2609 Texas American Building
Fort Worth, Texas 76102

Re: Application of Reading and Bates Petroleum Company
for Compulsory Pooling: Township 26 North, Range
3 West, Section 27, NE/4, Rio Arriba County, New
Mexico

Dear Mr. Wagner:

Enclosed is the application of Reading and Bates Petroleum
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As you may have an interest in the lands affected, this
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for hearing before the New Mexico Oil Conservation Division on
March 18, 1987.

Very truly yours,



J. Scott Hall
Attorney for Reading and
Bates Petroleum Company

JSR/ba
Enclosure

U.S.G.P.O. 153-506

P-573 873 915
 RECEIPT FOR CERTIFIED MAIL
 NO ADDITIONAL COVERAGE FEE, DEC
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

To: <i>Duer Wagner, Jr.</i>	
Street and No. <i>2609 Texas Amer. Bldg.</i>	
City, State and Zip Code <i>Fort Worth, TX 76102</i>	
Postage	\$
Registration Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt (if desired)	
Date of Delivery <i>2/25/87</i>	

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. ☒ Show to whom delivered, date, and addressee's address.	2. ☐ Restricted Delivery.
3. Article Addressed to: Duer Wagner, Jr. 2609 Texas American Building Fort Worth, Texas 76102	
4. Article Number <i>P-573-873-915</i>	Type of Service: ☐ Registered ☒ Certified ☐ Express Mail ☐ Insured ☐ COD
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee ☒	8. Addressee's Address (ONLY if requested and fee paid) <i>[Signature]</i>
6. Signature Agent ☒ <i>[Signature]</i>	
7. Date of Delivery <i>FEB 27 1987</i>	

AUTHORITY FOR EXPENDITURE

NO. _____

COMPANY Reading & Bates Petroleum Co.

AMOUNT REQUESTED, Company Share Only \$ 196,352.29

Requested By T. Bruce Petitt Location Northwest Division - Tulsa

Lease No. _____ Lease Leeson Federal Well No. 42-27

Field W. Lindrith Gallup Dakota County Rio Arriba State New Mexico

REASON FOR EXPENDITURE: To drill and complete an 8,200' commingled Gallup-Dakota well in the SE NE Sec. 27, T25N, R3W, Rio Arriba County, NM.
(Include basis for payout. Use attachment for supporting data if necessary.)

Estimated Primary Formation and Top Mancos @ 6,235' (+1,042')
Estimated Secondary Formation and Top Dakota @ 7,990' (- 713')

COST ESTIMATE:

	Total	Tangible	Intangible
	\$	\$	\$
Dry hole Cost	217,940	13,160	204,780
Completion Cost	467,010	192,410	274,600
	\$ 684,950	\$ 205,570	\$ 479,380

BEFORE EXAMINER CATANACH
OIL CONSERVATION DIVISION

R+B EXHIBIT NO. 4

CASE NO. 9091

ESTIMATED DATE OF EXPENDITURE:

Month March Year 1987

Contingencies

Less Salvage Credit ()
Project Total \$ 684,950

Salvage credit to be taken only if equipment is sold from the project.

APPROVED:

[Signature]
Name

Title Date

Name

Title Date

PARTNERS APPROVAL ACCEPTED:

Company

Name

Title Date

Working Interest Participation:

Company	%	Share
Reading & Bates Petr. Co.	28.66666	\$ 196,352.29
Mountain States	25.00000	171,237.50
Hooper, Kimball & Williams, Inc	4.66666	31,964.29
Ibex Partnership	7.80437	53,456.03
PC Ltd.	7.80437	53,456.03
William Clark Trust	0.40690	2,787.06
Test, Trust of Wm. Clark	0.21362	1,463.19
Carolyn Clark Oatman	0.43742	2,996.11
Ralph Gilliland	12.50000	85,618.75
Duer Wagner, Jr.	11.62500	79,625.44
Duer Wagner, III	0.87500	5,993.31
Total	100	\$ 684,950.00

WELL COST ESTIMATE

COMPANY Reading & Bates Petroleum Co.

DATE 11-5-86

WELL Greenlee Federal #41-24

LOCATION NE NE Sec. 24, T25N, R3W, Rio Arriba County, New Mexico

PROPOSED TO 8350' Gallup EST. DRILLING DAYS 16 days to drill,
12 days to complete

Tangible Well Costs

Well Pipe

500' of 9-5/8", 36# @ \$ 8.35/ft.
5600' of 5 1/2", 15.5# @ \$ 4.00/ft.
2750' of 5 1/2", 17# @ \$ 4.75/ft.
6000' of 2-7/8", J55 @ \$ 2.25/ft.

Wellhead Assembly

Subsurface Equip. - packer, rods, pumps, etc.

Separation Facilities, Installed

Tanks and Shipping Facilities, Installed

Flow Lines, Pipe & Electric Lines, Installed

Other Equipment - Pumping Unit, Misc.

Total Tangibles

Producer	Dry Hole
\$	\$
53,140	4,175
3,900	2,000
19,000	
13,000	
18,000	
25,000	
40,000	
\$ 172,040	\$ 6,175

Intangible Well Costs

Permits, Surveys, Foundations

Location, Roads & Damages

Contract Drilling

8350' ft. @ \$ 8.90 /ft.
2 days @ \$ 3,250 /day
days @ \$ /day

Compl. Unit 12 days @ \$ 1,800 /day

Cement and Cement Service

Drilling Fluid Materials

Fuel, Water & Power

Supplies

Drill Stem Testing @

Coring and Analysis

Wireline Service

Logging 12,500

Perforating 5,000

Other CBL 3500

Formation Treating

Transportation and Hauling

Rentals, Contract Labor, Misc.

Engineering Supervision

Geological Supervision

Overhead

Contingencies 7.5%

Total Intangibles

\$ 1,600	\$ 1,600
16,000	12,500
80,815	80,815
21,600	
23,500	3,500
30,000	30,000
7,500	5,000
5,000	2,500
21,000	12,500
60,000	
10,000	5,000
12,500	5,000
10,800	6,000
5,000	5,000
5,000	2,500
36,300	13,350
\$ 346,615	\$ 185,265

TOTAL

\$ 518,655	\$ 191,440
------------	------------

Prepared By:

T. Bruce Petitt

GAVILAN MANCOS POOL

ARCO LEESON 1 SW 27 25N 3W

IP 184 Bbl/D

191 MCF/D

FLOW. LINDRITH GALLUP-DAKOTA, WEST COMM.

Year Mo	Oil/Cond Bbls			Gas MCF				Water Bbls				Prod Days
	day	Month	Cumul	Day	Month	Cumul	GOR	Day	Month	Cumul	WC	
1985												
08	44.2	1370	1370	28.5	882	882	644	0.0	0	0	0	31
09	164.9	4947	6317	197.1	5913	6795	1195	0.0	0	0	0	30
10	122.9	3809	10126	167.1	5179	11974	1360	0.0	0	0	0	31
11	103.8	3113	13239	152.1	4562	16536	1465	0.0	0	0	0	30
12	82.5	2557	15796	147.2	4562	21098	1784	0.0	0	0	0	31
Subtotal 1985		15796			21098				0			153
1986												
01	142.7	2853	18649	207.5	4150	25248	1455	0.0	0	0	0	20
02	110.5	3093	21742	332.9	9321	34569	3014	0.0	0	0	0	28
03	144.9	4491	26233	208.3	6458	41027	1438	0.0	0	0	0	31
04	97.2	2818	29051	138.6	4018	45045	1426	0.0	0	0	0	29
05	65.7	2036	31087	93.6	2903	47948	1426	0.0	0	0	0	31
06	64.3	707	31794	87.0	957	48905	1354	0.0	0	0	0	11
07	99.6	2489	34283	44.6	1114	50019	448	0.0	0	0	0	25
08	101.6	2946	37229	64.2	1863	51882	632	0.2	7	7	0	29
09	69.6	1671	38900	24.6	591	52473	354	0.2	6	13	0	24
10	94.8	2939	41839	156.8	4860	57333	1654	0.2	7	20	0	31
11	66.6	1997	43836	206.4	6191	63524	3100	0.5	14	34	1	30
12	57.2	1773	45609	216.9	6725	70249	3793	0.5	15	49	1	31
Subtotal 1986		29813			49151				49			320

BEFORE EXAMINER CATANACH

OIL CONSERVATION DIVISION

R+B

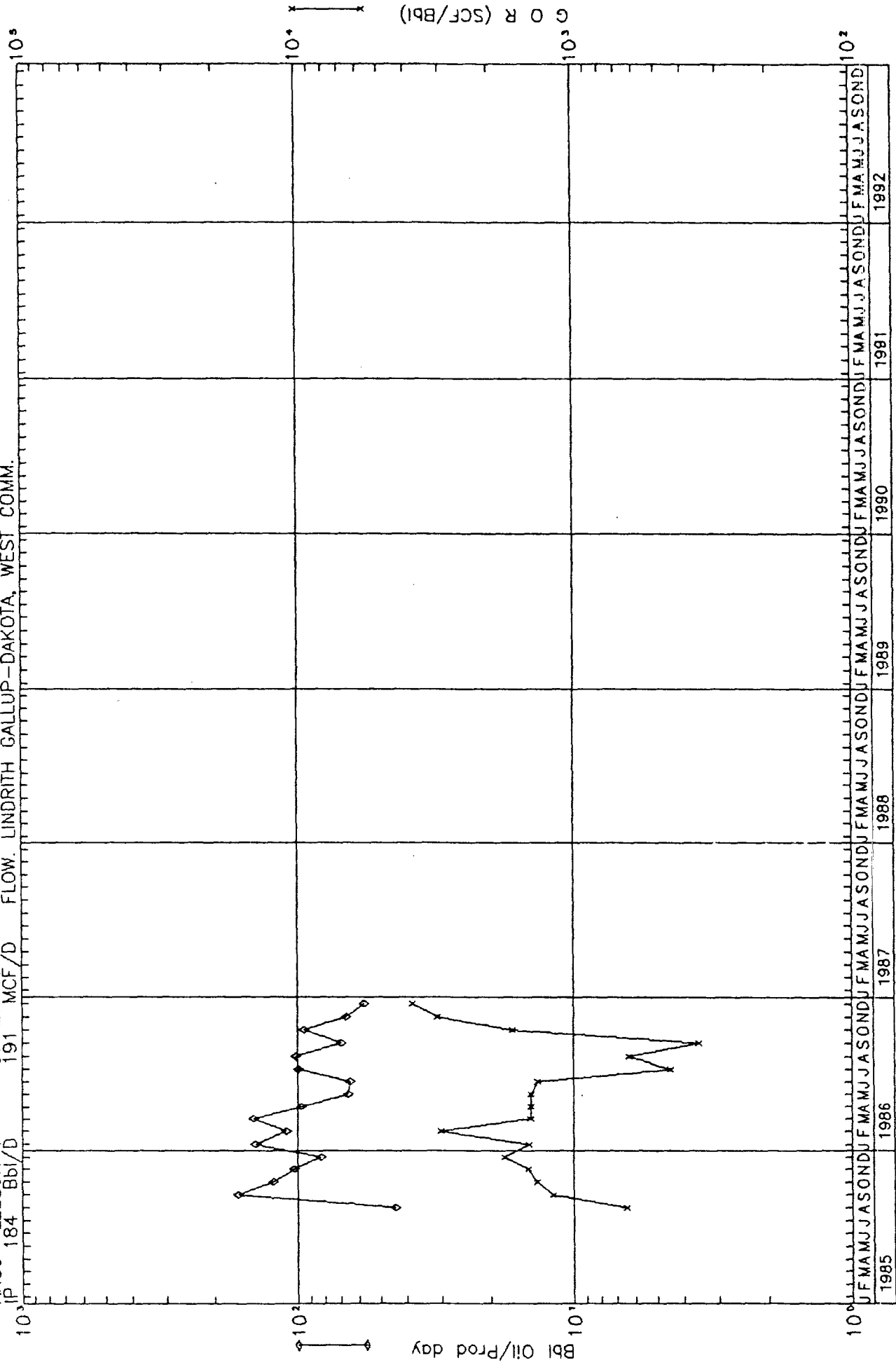
EXHIBIT NO.

5

CASE NO.

9091

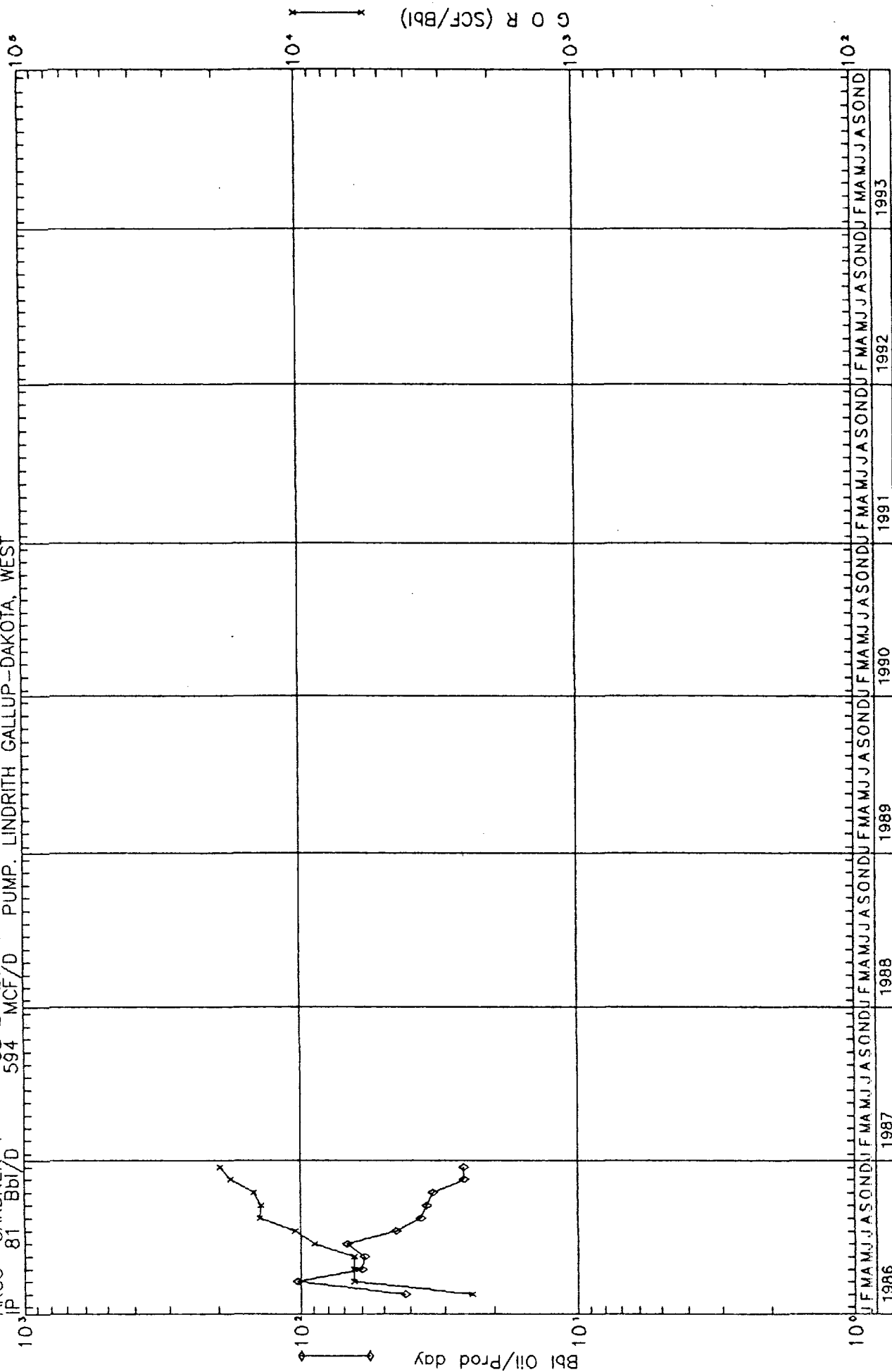
GAVILAN MANCOS POOL
 ARCO LEESON 1 SW 27 25N 3W
 IP 184 Bbl/D 191 MCF/D FLOW. LINDRITH GALLUP-DAKOTA, WEST COMM.



GAVILAN MANCOS POOL
 ARCO GARDNER 1 SE 27 25N 3W
 IP 81 Bbl/D 594 MCF/D PUMP. LINDRITH GALLUP-DAKOTA, WEST

Year Mo	Oil/Cond Bbls			Gas MCF				Water Bbls				Prod Days
	day	Month	Cumul	Day	Month	Cumul	GOR	Day	Month	Cumul	W/C	
1986												
02	41.8	1171	1171	100.1	2803	2803	2394	0.0	0	0	0	28
03	103.0	3192	4363	660.1	20463	23266	6411	0.0	0	0	0	31
04	60.0	1739	6102	384.8	11159	34425	6417	0.0	0	0	0	29
05	58.9	1827	7929	378.2	11724	46149	6417	0.0	0	0	0	31
06	68.3	1366	9295	613.0	12259	58408	8974	0.0	0	0	0	20
07	45.2	1401	10696	475.5	14742	73150	10522	0.0	0	0	0	31
08	36.6	1134	11830	518.9	16086	89236	14185	0.8	26	26	2	31
09	34.8	1043	12873	488.4	14652	103888	14048	0.6	18	44	2	30
10	33.1	993	13866	493.2	14796	118684	14900	0.6	18	62	2	30
11	25.5	764	14630	459.6	13789	132473	18048	0.6	18	80	2	30
12	25.6	793	15423	505.1	15659	148132	19747	0.6	18	98	2	31
Subtotal 1986	15423			148132				98				322

GAVILAN MANCOS, POOL
 ARCO GARDNER 1 SE 27 25N 3W
 81 Bbl/D 594 MCF/D PUMP. LINDRITH GALLUP-DAKOTA, WEST

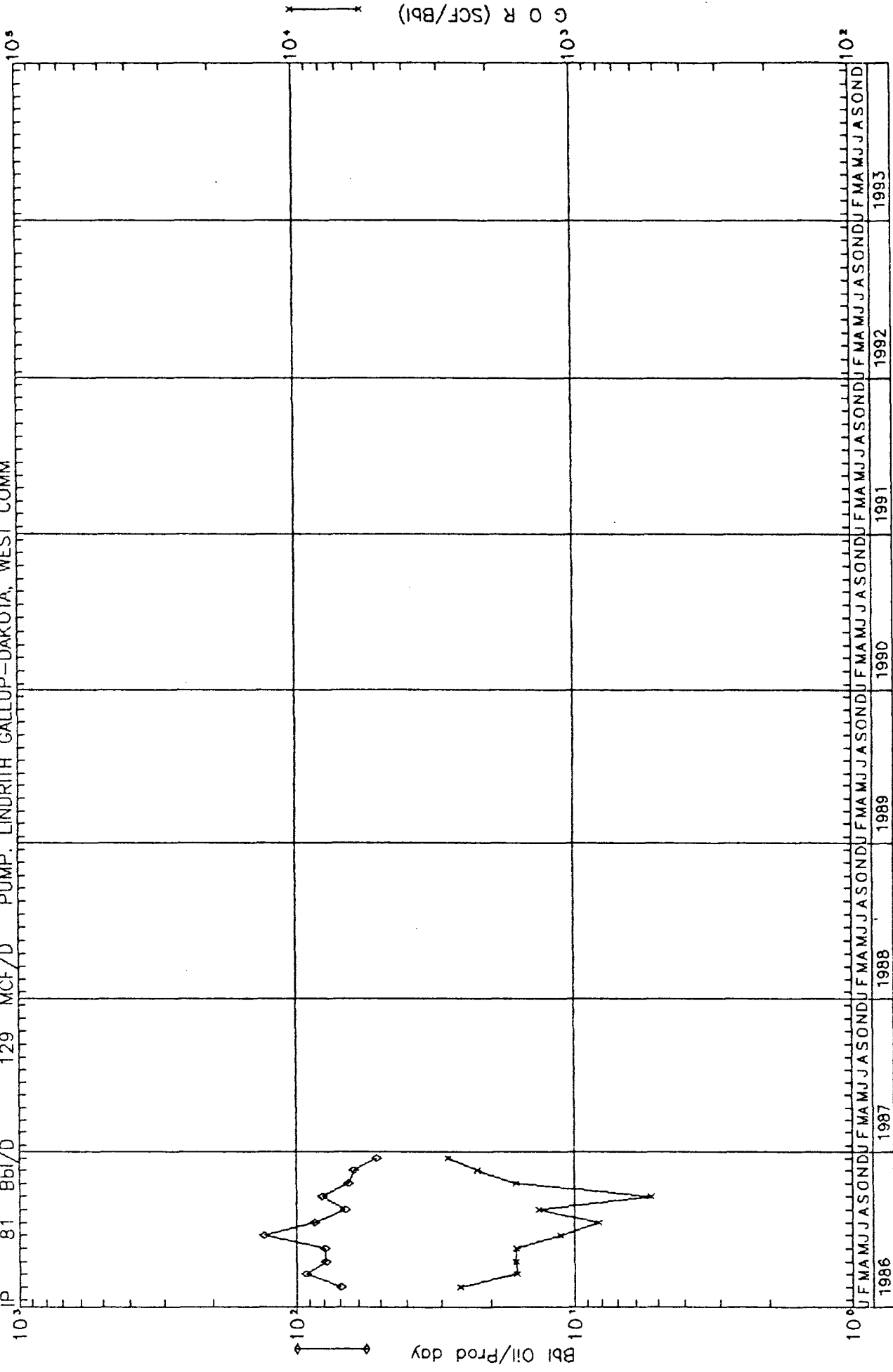


GAVILAN MANCOS POOL
 ARCO LEESON 2 NW 27 25N 3W
 IP 81 Bbl/D 129 MCF/D PUMP. LINDRITH GALLUP-DAKOTA, WEST COMM

Year	Oil/Cond Bbls			Gas MCF				Water Bbls				Prod Days
Mo	day	Month	Cumul	Day	Month	Cumul	GOR	Day	Month	Cumul	WC	
1986												
02	69.5	1946	1946	179.4	5024	5024	2582	0.0	0	0	0	28
03	92.8	2878	4824	149.3	4628	9652	1608	0.0	0	0	0	31
04	78.6	2278	7102	127.2	3689	13341	1619	0.0	0	0	0	29
05	79.2	2456	9558	128.2	3975	17316	1618	0.0	0	0	0	31
06	130.8	1439	10997	146.7	1614	18930	1122	0.0	0	0	0	11
07	86.4	2160	13157	70.8	1770	20700	819	0.0	0	0	0	25
08	67.1	1946	15103	90.5	2625	23325	1349	0.2	7	7	0	29
09	81.3	1951	17054	43.0	1032	24357	529	0.2	6	13	0	24
10	65.2	2021	19075	105.5	3270	27627	1618	6.0	186	199	8	31
11	62.1	1862	20937	138.5	4156	31783	2232	0.6	18	217	1	30
12	51.4	1594	22531	145.6	4513	36296	2831	0.6	19	236	1	31
Subtotal 1986	22531			36296					236			300

GAVILAN MANCOS POOL
 ARCO LEESEON 2 NW 27 25N 3W
 IP 81 Bbl/D 129 MCF/D

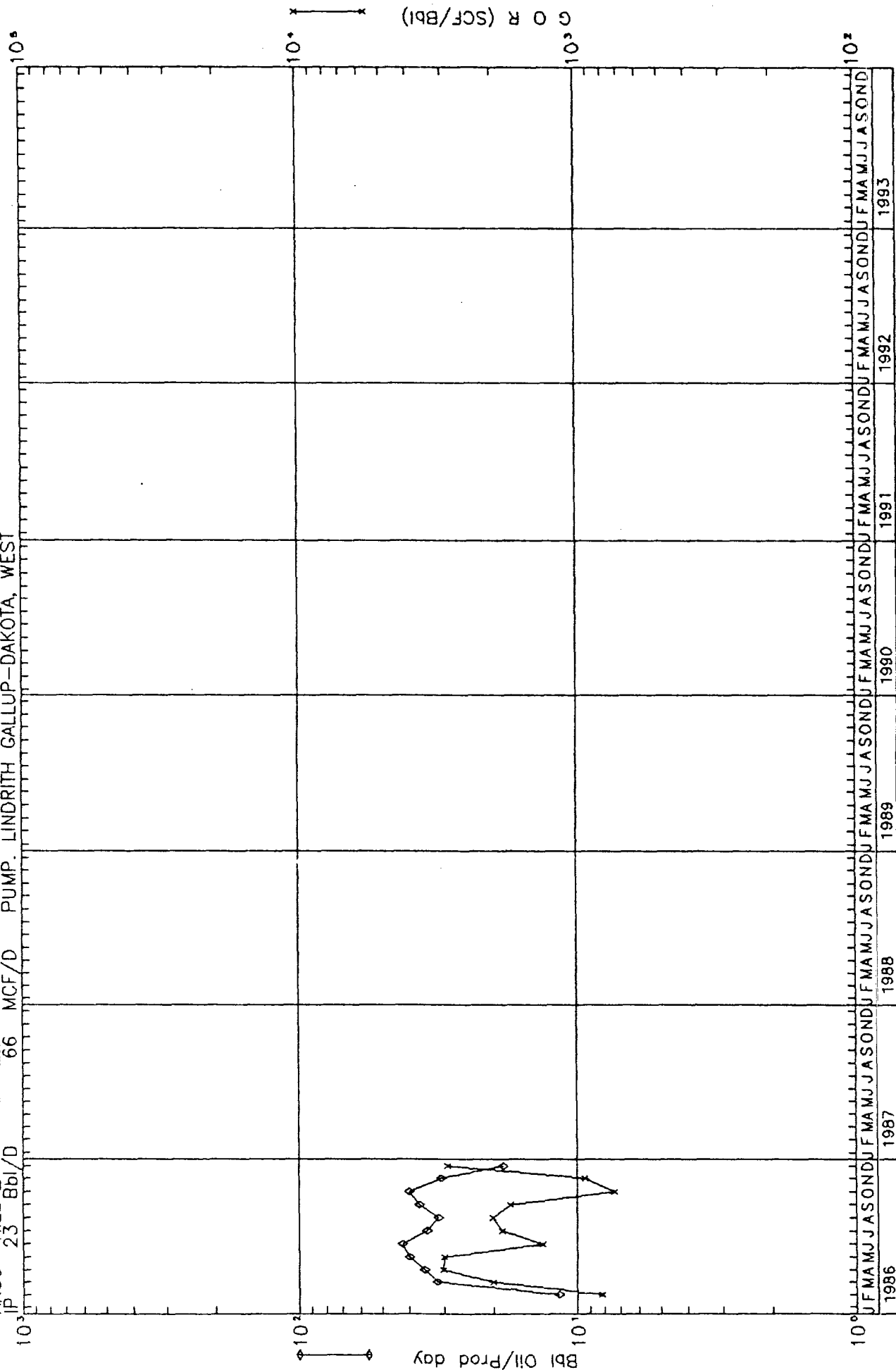
PUMP. LINDRITH GALLUP-DAKOTA, WEST COMM



GAVILAN MANCOS POOL
 ARCO HILL 2 SW 22 25N 3W
 IP 23 Bbl/D 66 MCF/D PUMP. LINDRITH GALLUP-DAKOTA, WEST

Year Mo	Oil/Cond Bbls			Gas MCF				Water Bbls				Prod Days
	day	Month	Cumul	Day	Month	Cumul	GOR	Day	Month	Cumul	ZWC	
1986												
02	11.7	327	327	9.6	268	268	820	0.0	0	0	0	28
03	31.7	982	1309	63.5	1968	2236	2004	0.0	0	0	0	31
04	35.2	1021	2330	106.4	3087	5323	3024	0.0	0	0	0	29
05	40.0	1241	3571	120.3	3730	9053	3006	0.0	0	0	0	31
06	42.3	1016	4587	56.5	1355	10408	1334	0.0	0	0	0	24
07	34.5	1068	5655	64.2	1989	12397	1862	0.0	0	0	0	31
08	31.5	978	6633	63.6	1971	14368	2015	0.4	11	11	1	31
09	36.8	846	7479	64.0	1473	15841	1741	0.3	8	19	1	23
10	40.0	1240	8719	29.3	909	16750	733	0.4	11	30	1	31
11	30.7	920	9639	28.8	865	17615	940	0.6	18	48	2	30
12	18.4	570	10209	53.6	1663	19278	2918	0.6	19	67	3	31
Subtotal 1986		10209			19278				67			320

GAVILAN MANCOS POOL
 ARCO HILL 2 SW 22 25N 3W
 IP 23 Bbl/D 66 MCF/D PUMP LINDRITH GALLUP-DAKOTA, WEST



GAVILAN MANCOS POOL
 ARCO HILL 1 NE 22 25N 3W
 IP 48 Bbl/D 142 MCF/D FLOW. LINDRITH GALLUP-DAKOTA, WEST

Year Mo	Oil/Cond Bbls			Gas MCF				Water Bbls				Prod Days
	day	Month	Cumul	Day	Month	Cumul	GOR	Day	Month	Cumul	ZWC	
1985												
11	7.7	230	230	0.0	0	0		0.0	0	0	0	30
12	27.1	840	1070	42.3	1310	1310	1560	0.0	0	0	0	31
Subtotal 1985		1070			1310				0			61
1986												
01	54.3	1683	2753	65.5	2030	3340	1206	0.0	0	0	0	31
02	25.7	719	3472	94.2	2637	5977	3668	0.0	0	0	0	28
03	44.7	1385	4857	94.8	2940	8917	2123	0.0	0	0	0	31
04	29.4	617	5474	64.2	1349	10266	2186	0.0	0	0	0	21
05	42.7	1111	6585	93.4	2429	12695	2186	0.0	0	0	0	26
06	36.5	877	7462	51.4	1234	13929	1407	0.0	0	0	0	24
07	27.5	852	8314	53.1	1647	15576	1933	0.0	0	0	0	31
08	24.2	750	9064	49.9	1547	17123	2063	0.2	7	7	1	31
09	26.9	618	9682	47.7	1097	18220	1775	0.2	5	12	1	23
10	22.2	687	10369	64.1	1986	20206	2891	0.2	7	19	1	31
11	21.1	634	11003	62.9	1886	22092	2975	0.2	7	26	1	30
12	13.6	423	11426	30.4	943	23035	2229	0.2	7	33	2	31
Subtotal 1986		10356			21725				33			338

GAVILAN MANCOS POOL
 ARCO HILL 1 NE 22 25N 3W
 IP 48 Bbl/D 142 MCF/D FLOW. LINDRITH GALLUP--DAKOTA, WEST

