

3675

1987 Report of Operations
1988 Plan of Development

The North Hackberry Yates Unit was unitized in November, 1967. The Unit contains 720 acres and was developed on 40-acre spacing. Three infill producers have been drilled since February, 1983. The most recent of these are the North Hackberry Yates Unit #119 and #120 which were both drilled in 1984.

1987 Operations

One workover was performed in this unit in 1987.

NHYU #114 - The well was cleaned out and had stuck tubing recovered from the well. The well was then returned to production.

1988 Planned Operations

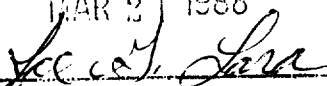
Chevron has plans for 2 of the producing wells on the unit.

NHYU #119 - It is planned to temporarily abandon this well.

NHYU #120 - It is planned to squeeze off existing perforations, reperforate, and stimulate to reduce water production.

Plan of Development
APPROVED

MAR 21 1988


J. C. LORA, DISTRICT MANAGER
BUREAU OF LAND MANAGEMENT

1987 Report of Operations
1988 Plan of Development

The North Hackberry Yates Unit was unitized in November, 1967. The Unit contains 720 acres and was developed on 40-acre spacing. Three infill producers have been drilled since February, 1983. The most recent of these are the North Hackberry Yates Unit #119 and #120 which were both drilled in 1984.

1987 Operations

One workover was performed in this unit in 1987.

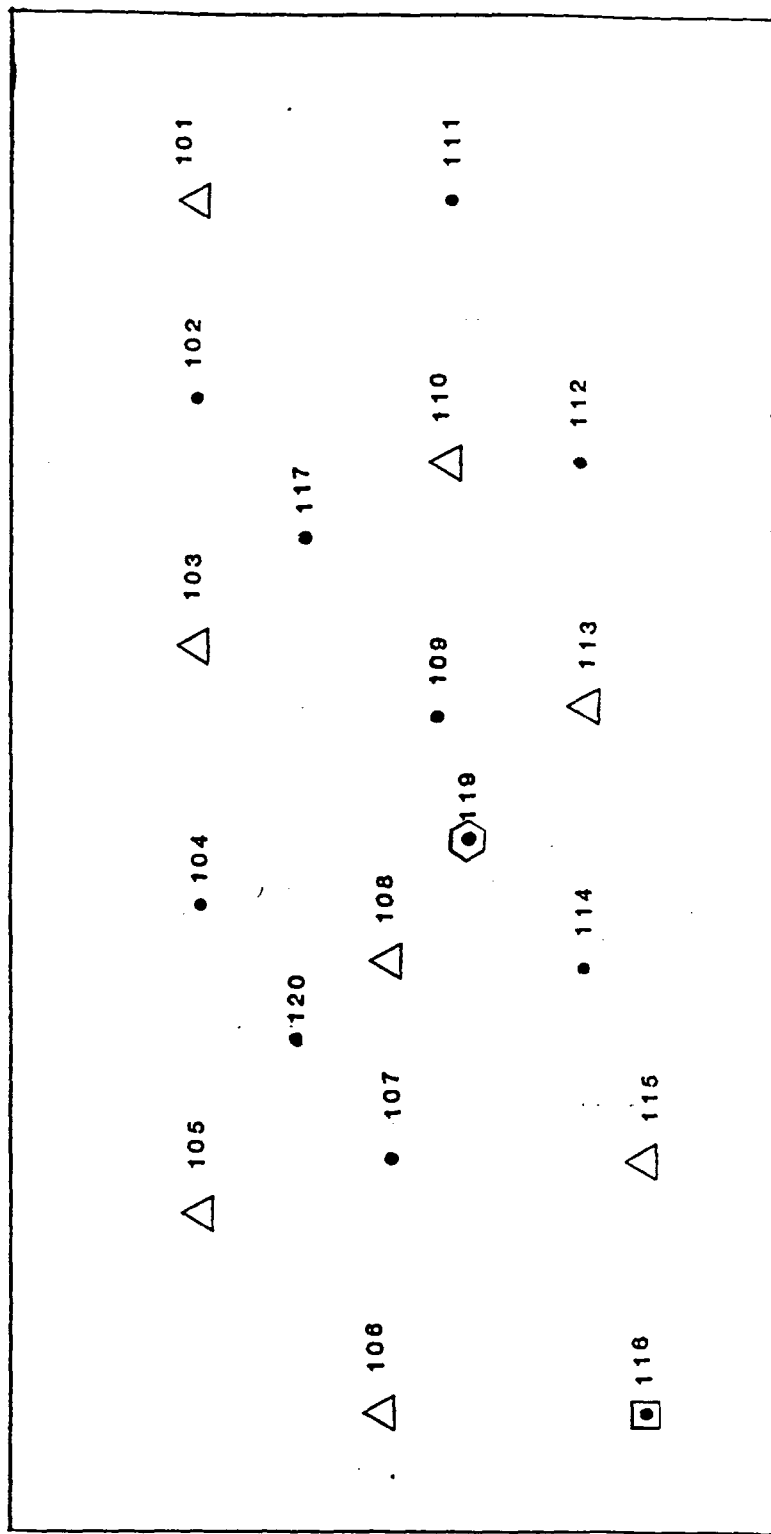
NHYU #114 - The well was cleaned out and had stuck tubing recovered from the well. The well was then returned to production.

1988 Planned Operations

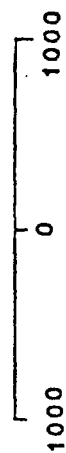
Chevron has plans for 2 of the producing wells on the unit.

NHYU #119 - It is planned to temporarily abandon this well.

NHYU #120 - It is planned to squeeze off existing perforations, reperforate, and stimulate to reduce water production.



- Producer
- ⬡ Inactive Producer
- ◻ Temporarily Abandoned Producer
- △ Injector



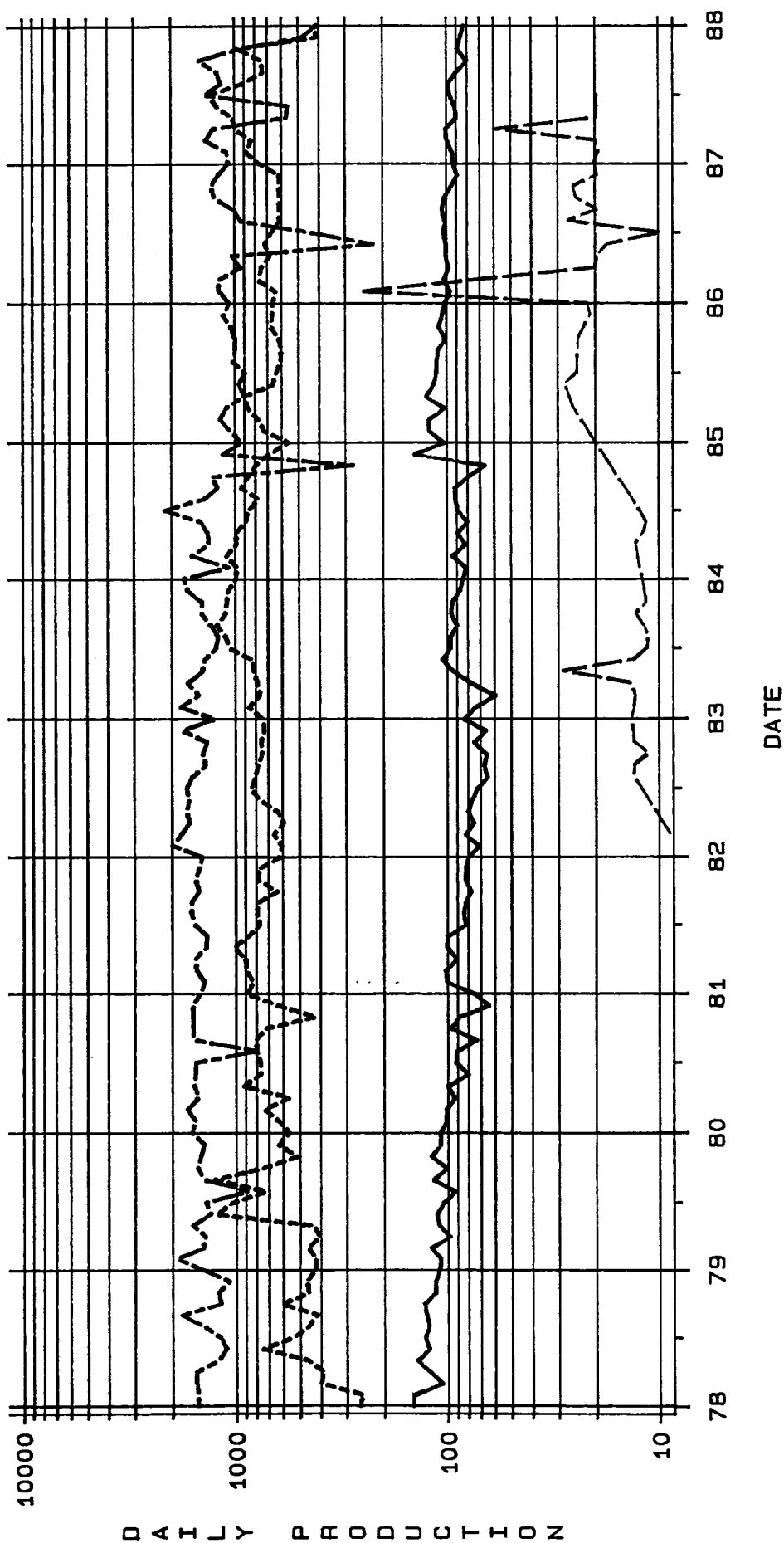
NORTH HACKBERRY YATES UNIT

T-19-S,R-30-E

Eddy County, New Mexico

NORTH HACKBERRY YATES UNIT

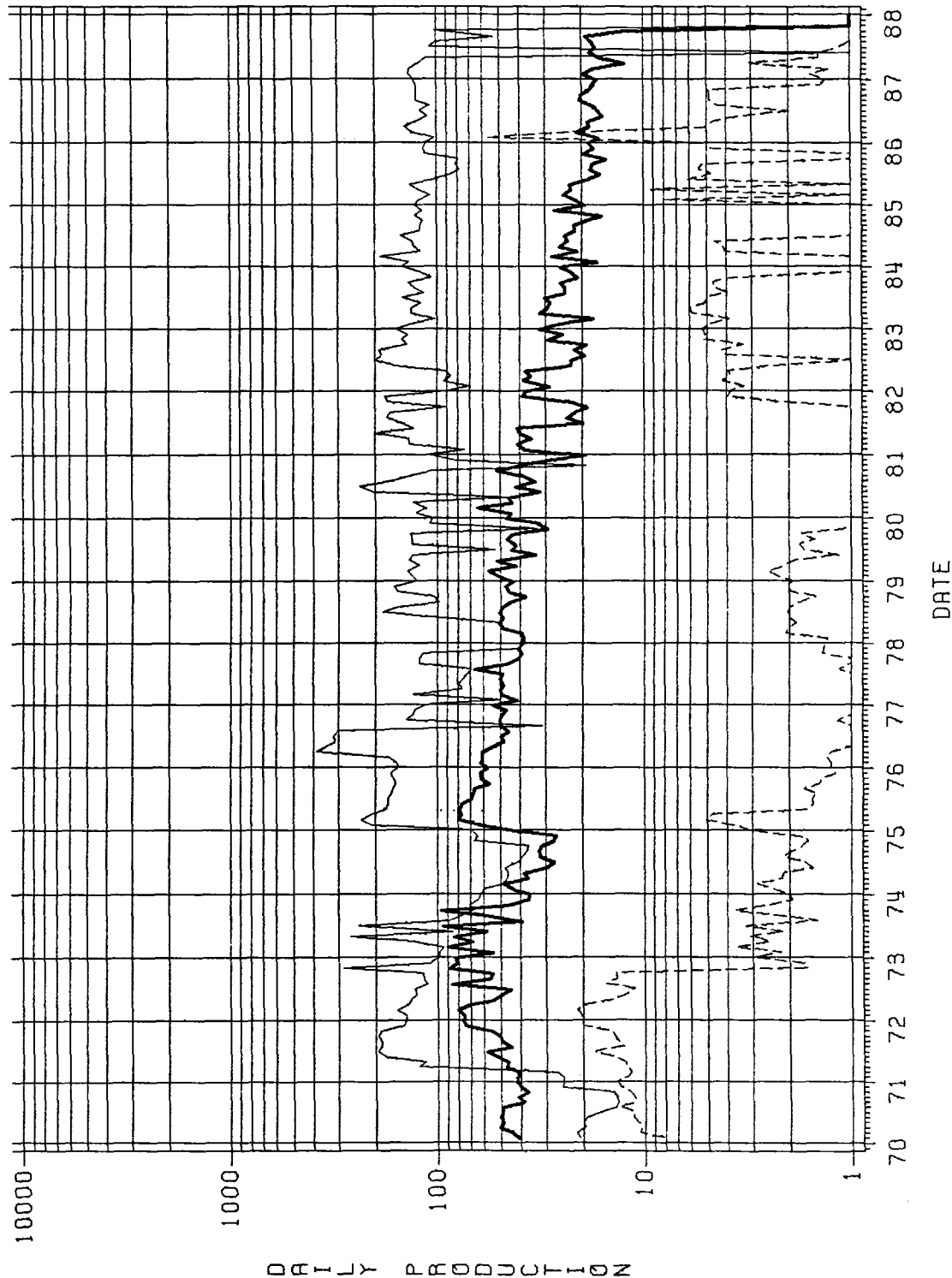
QUARTERLY WATERFLOOD REPORT



SOLID BLACK LINE =BOPD
 SHORT DASH BLUE LINE =BWPD
 LONG DASH GREEN LINE =GAS
 ALTERNATING RED LINE =INJ VOL

PRODUCTION DATA PLOT

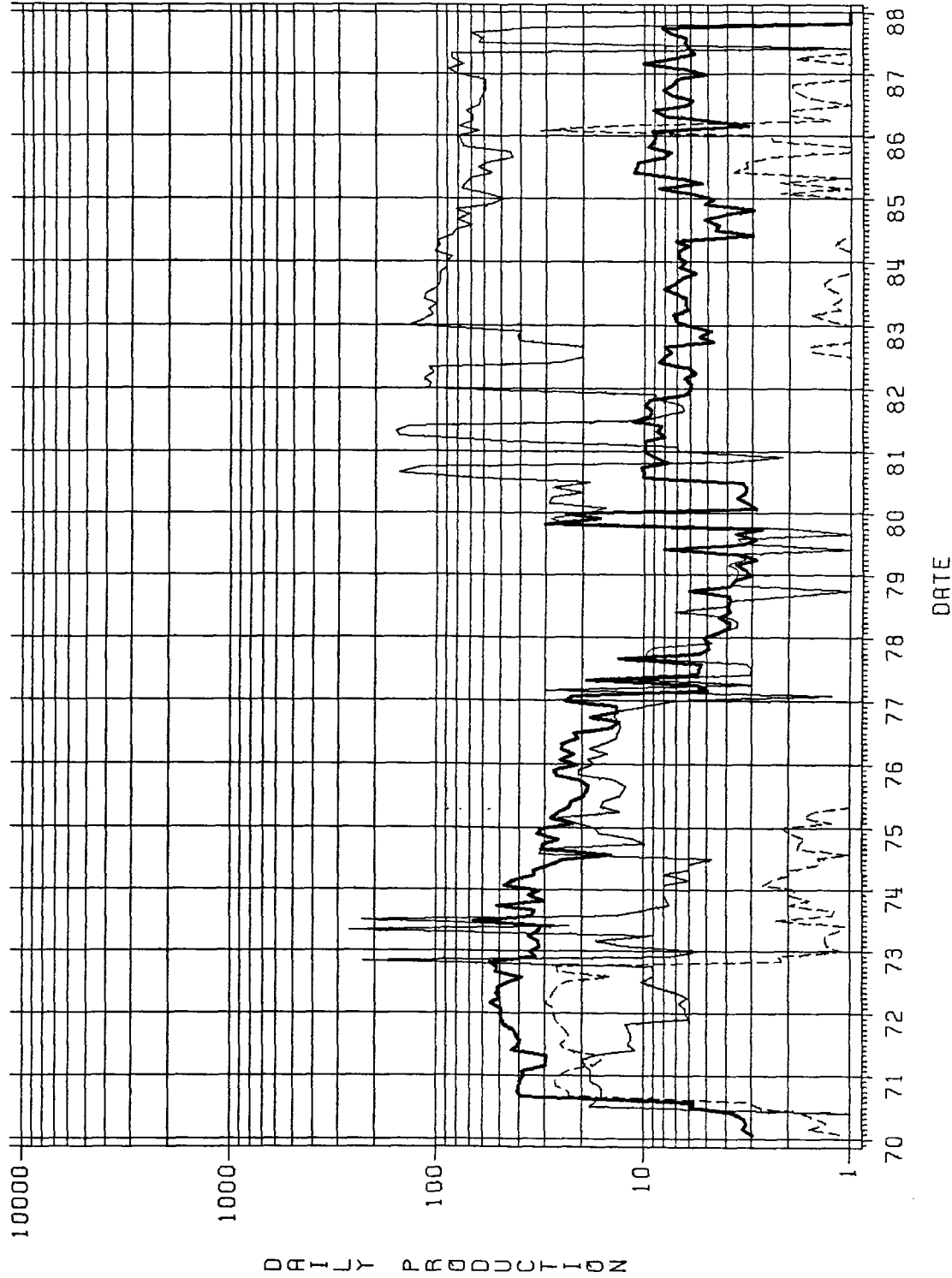
FLDRESNA=HACKBERRY YATES 7 RVRS., NORTH OPERNA=CHEVRON U.S.A. INC. WELLNA=NHYY WELLNO=102



HEAVY SOLID LINE=BOPD
SOLID LINE=BWPD
LIGHT DASHED LINE=MCFD

PRODUCTION DATA PLOT

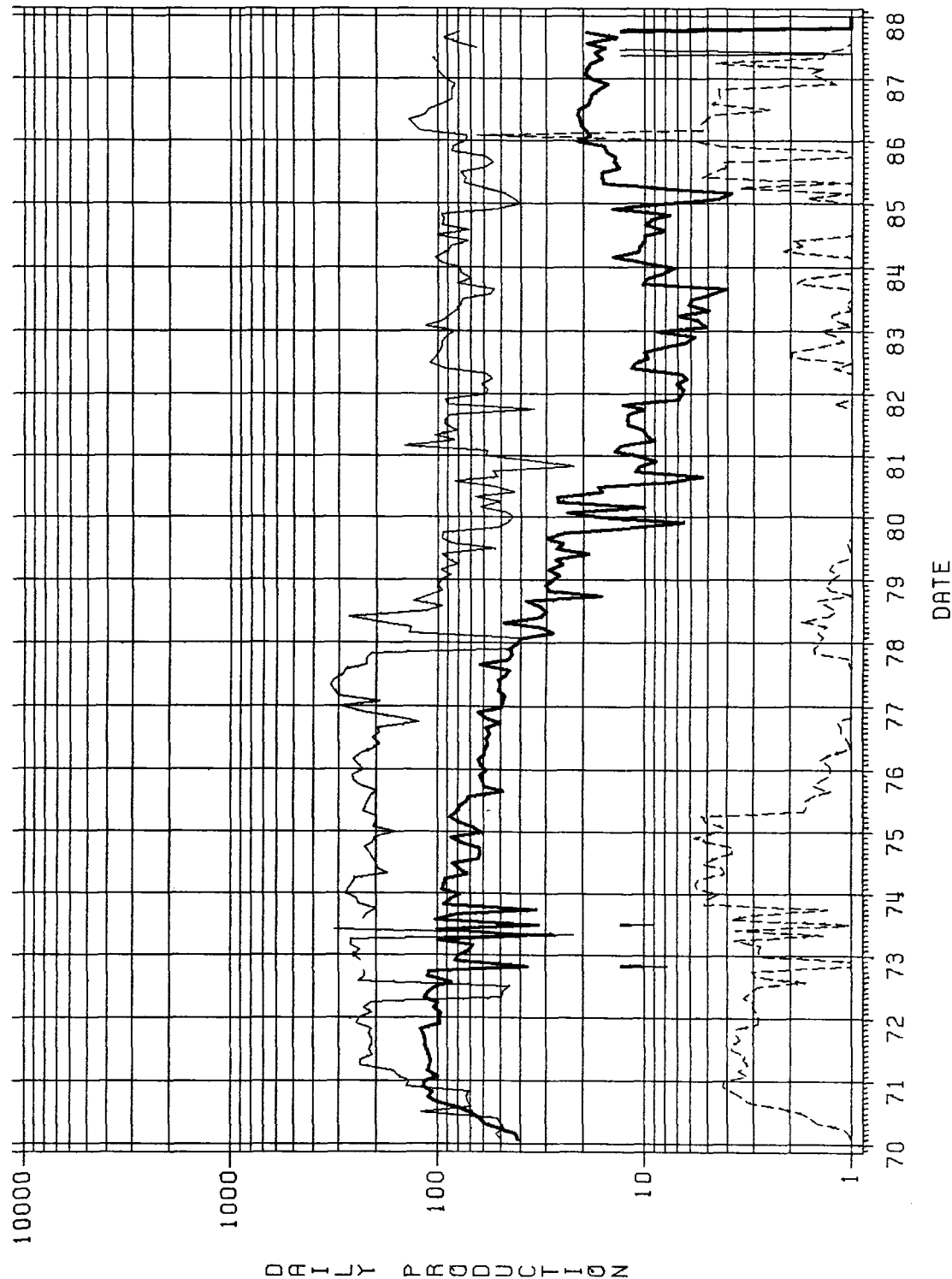
FLORESNA=HACKBERRY YATES 7 RVRS., NORTH OPERNA=CHEVRON U.S.A. INC. WELLNA=NHJU WELLNO=104



HEAVY SOLID LINE=BOPD
SOLID LINE=BWP
LIGHT DASHED LINE=MCFD

PRODUCTION DATA PLOT

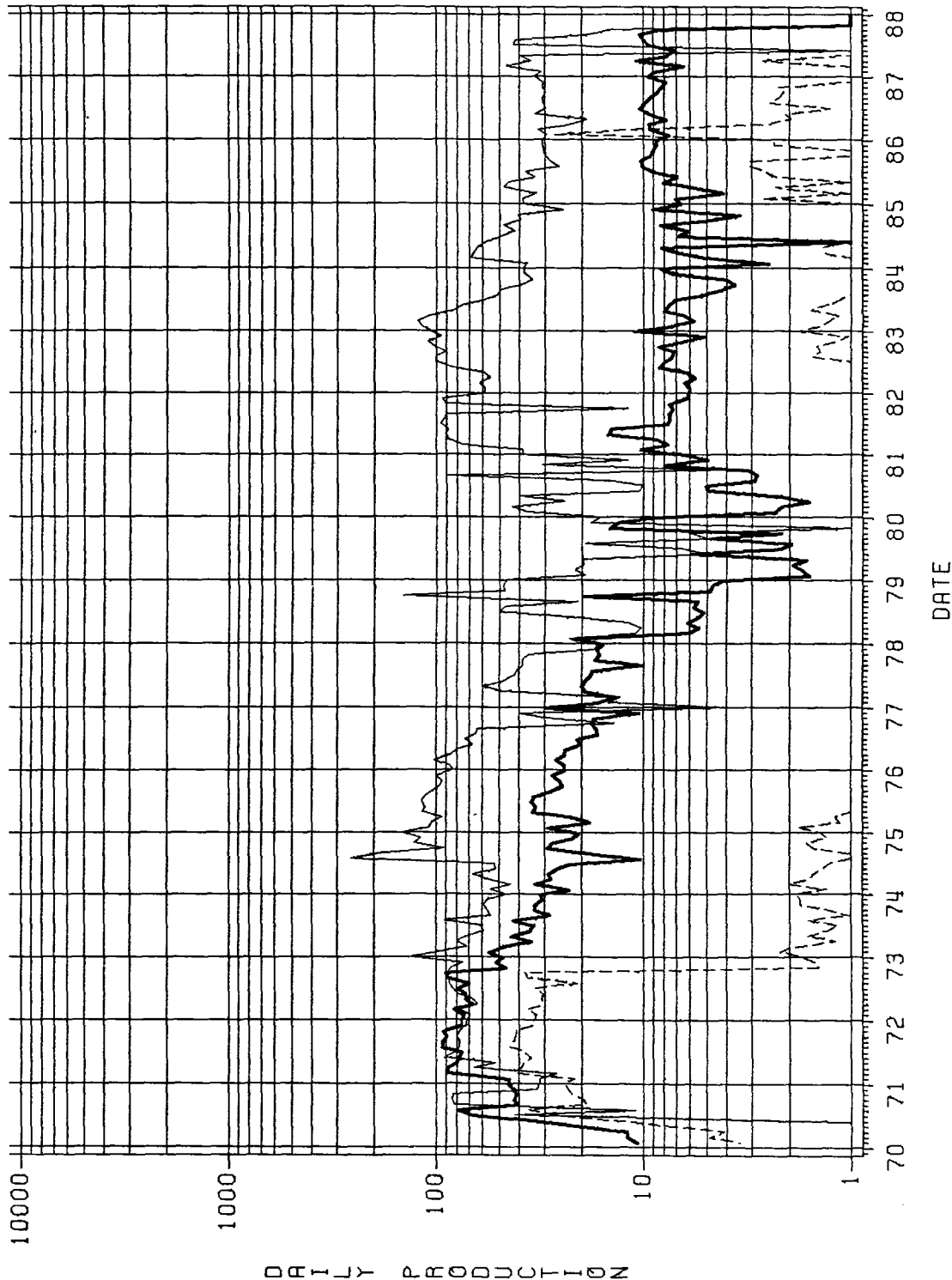
FLDRESNA=HACKBERRY YATES 7 RVRS., NORTH OPERNA=CHEVRON U.S.A. INC. WELLNA=NH7U WELLNO=107



HEAVY SOLID LINE=BOPD
SOLID LINE=BWPD
LIGHT DASHED LINE=MCFD

PRODUCTION DATA PLOT

FLDRESNA=HACKBERRY YATES 7 RVRS., NORTH OPEANA=CHEVRON U.S.A. INC. WELLNA=NHYU WELLNO=109

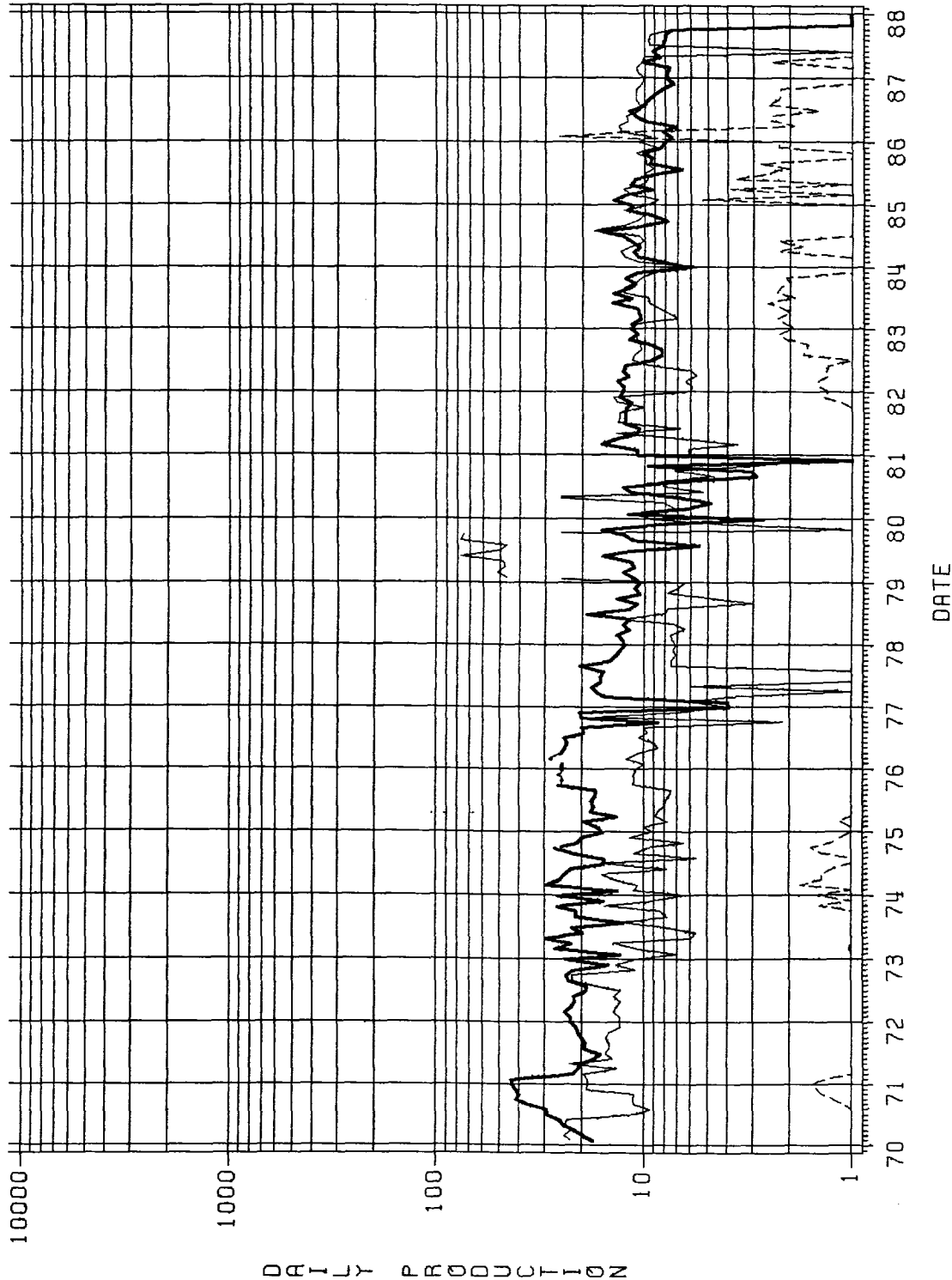


HEAVY SOLID LINE=BOPD
SOLID LINE=BWPD
LIGHT DASHED LINE=MCFD

PRODUCTION DATA PLOT

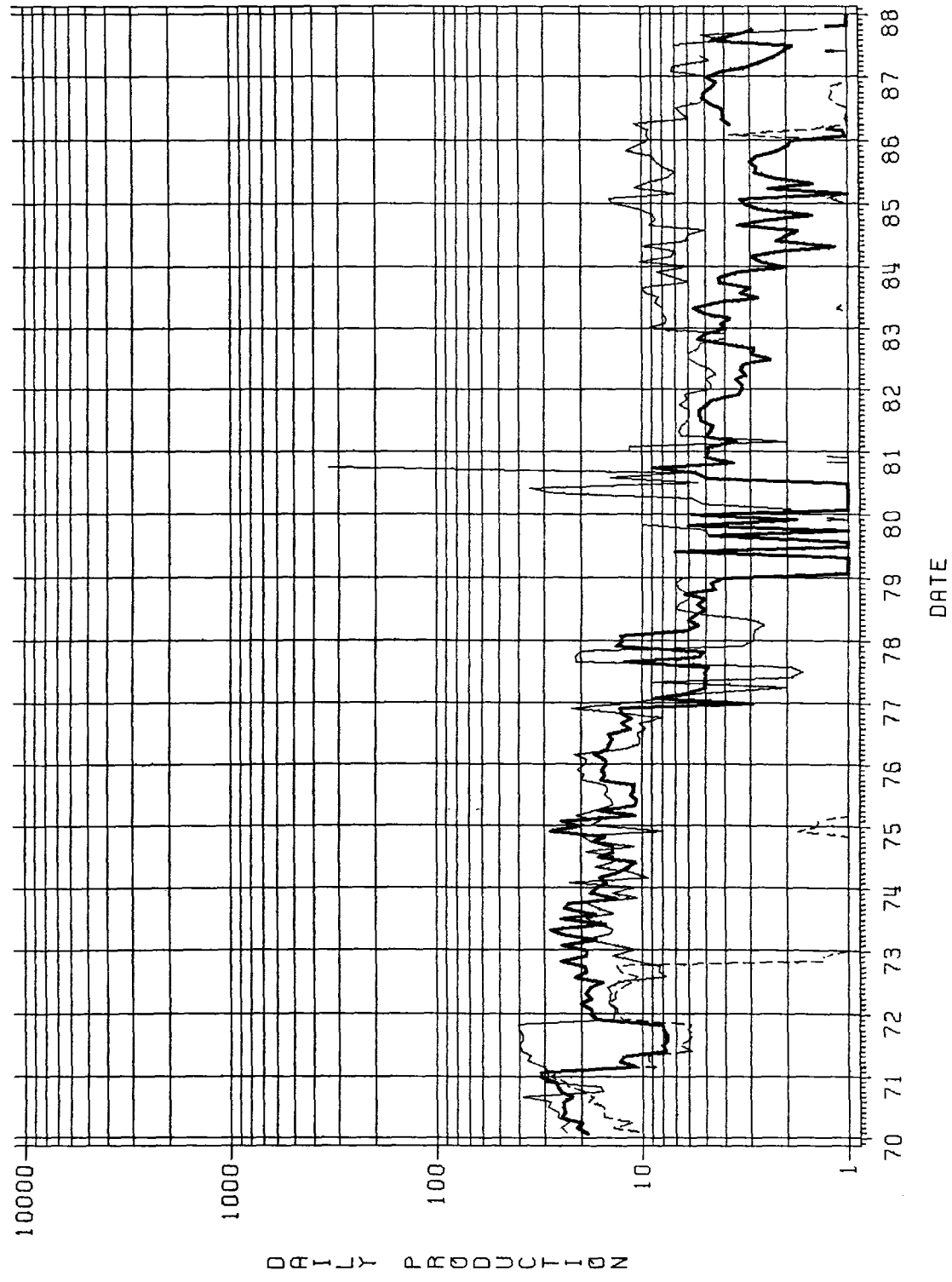
FLORESNA=HACKBERRY YATES 7 RVRS., NORTH OPERNA=CHEVRON U.S.A. INC. WELLNA=NHYU WELLNO=111

PETROLEUM INFORMATION



PRODUCTION DATA PLOT

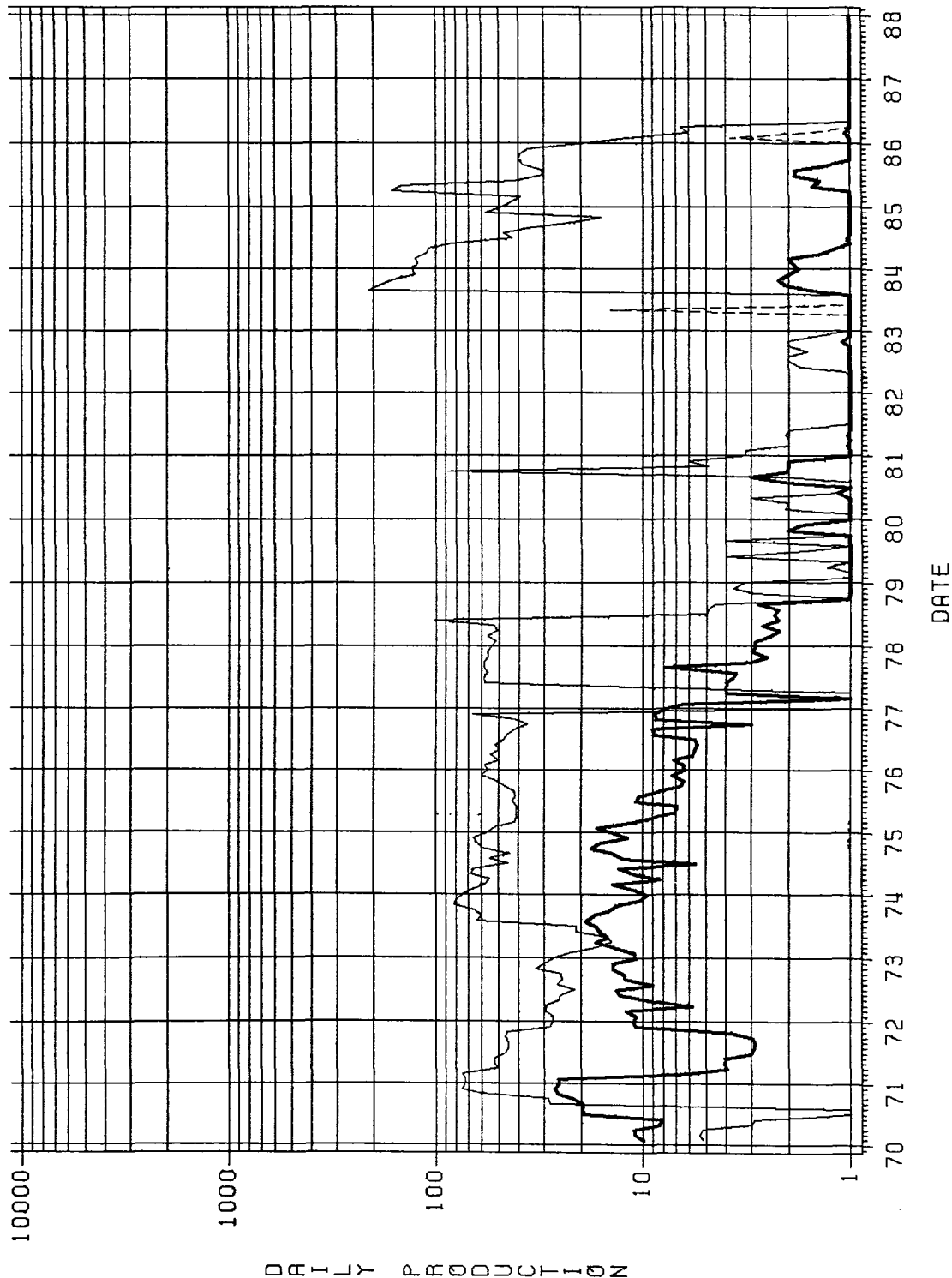
FLDRESNA=HACKBERRY YATES 7 RVRS., NORTH OPERNA=CHEVRON U.S.A. INC. WELLNA=NHYU WELLNO=112



HEAVY SOLID LINE=BOPD
SOLID LINE=BWPD
LIGHT DASHED LINE=MCFD

PRODUCTION DATA PLOT

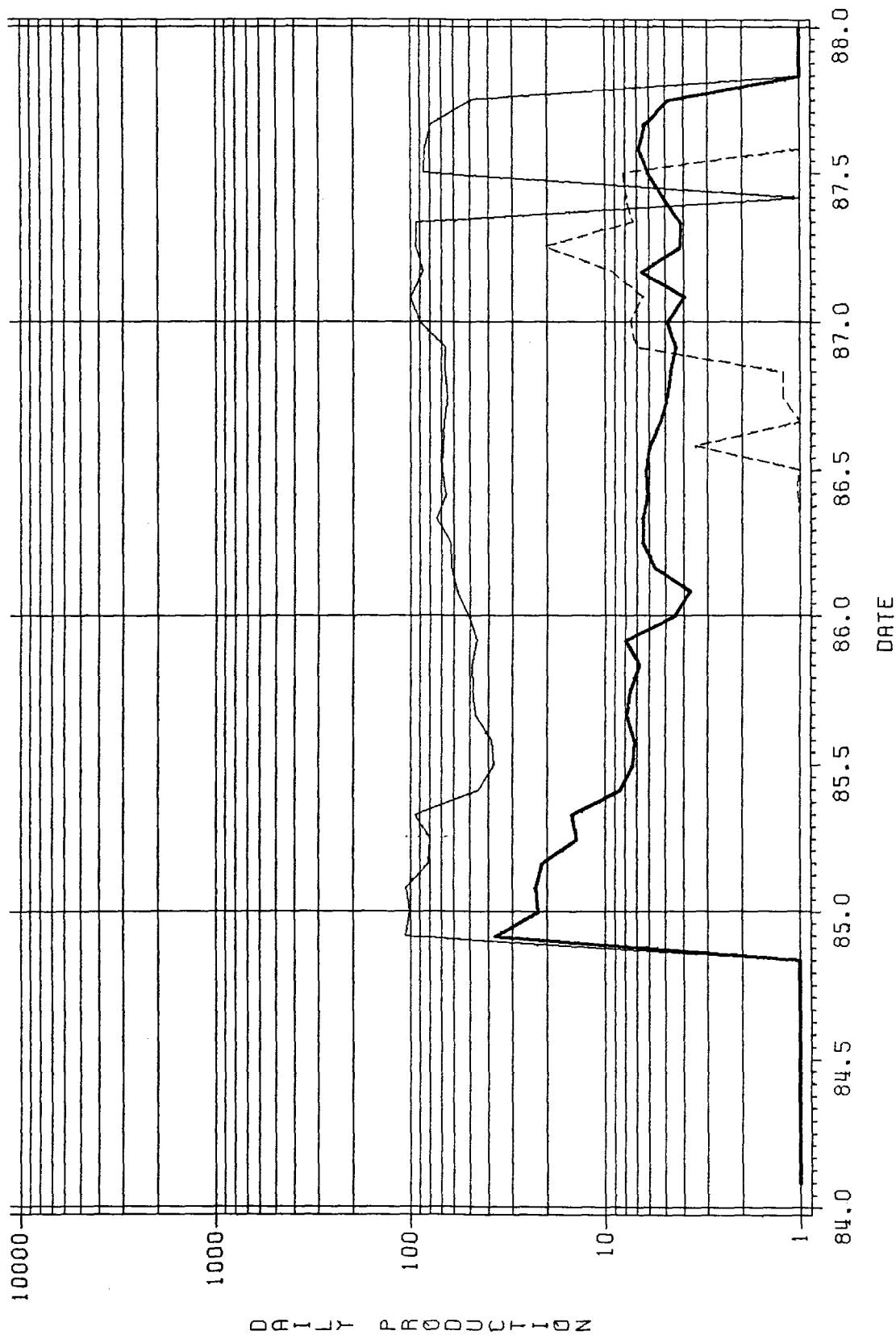
FLORESNA=HACKBERRY YATES 7 RVRS., NORTH OPERNA=CHEVRON U.S.A. INC. WELLNA=NHYU WELLNO=116



HEAVY SOLID LINE=BOPD
SOLID LINE=BWPD
LIGHT DASHED LINE=MCFD

PRODUCTION DATA PLOT

FLDRESNA=HACKBERRY YATES 7 RVRS.. NORTH OPERNA=CHEVRON U.S.A. INC. WELLNA=NHYU WELLNO=120

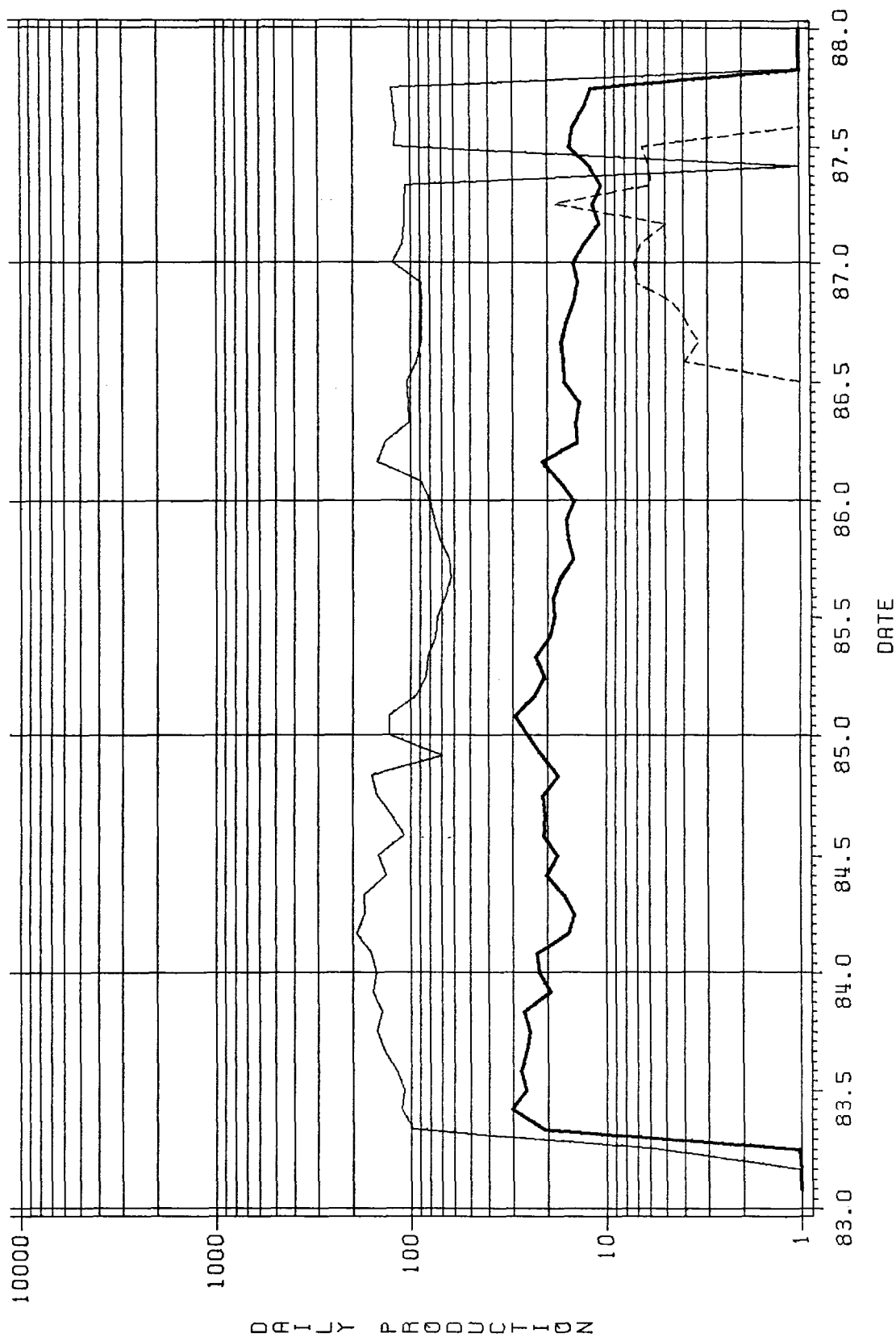


HEAVY SOLID LINE=BOPD
SOLID LINE=BWPD
LIGHT DASHED LINE=MCFD

PRODUCTION DATA PLOT

FLDRESNA=HACKBERRY YATES 7 RVRS., NORTH OPERNA=CHEVRON U.S.A. INC. WELLNA=NHYY WELLNO=117

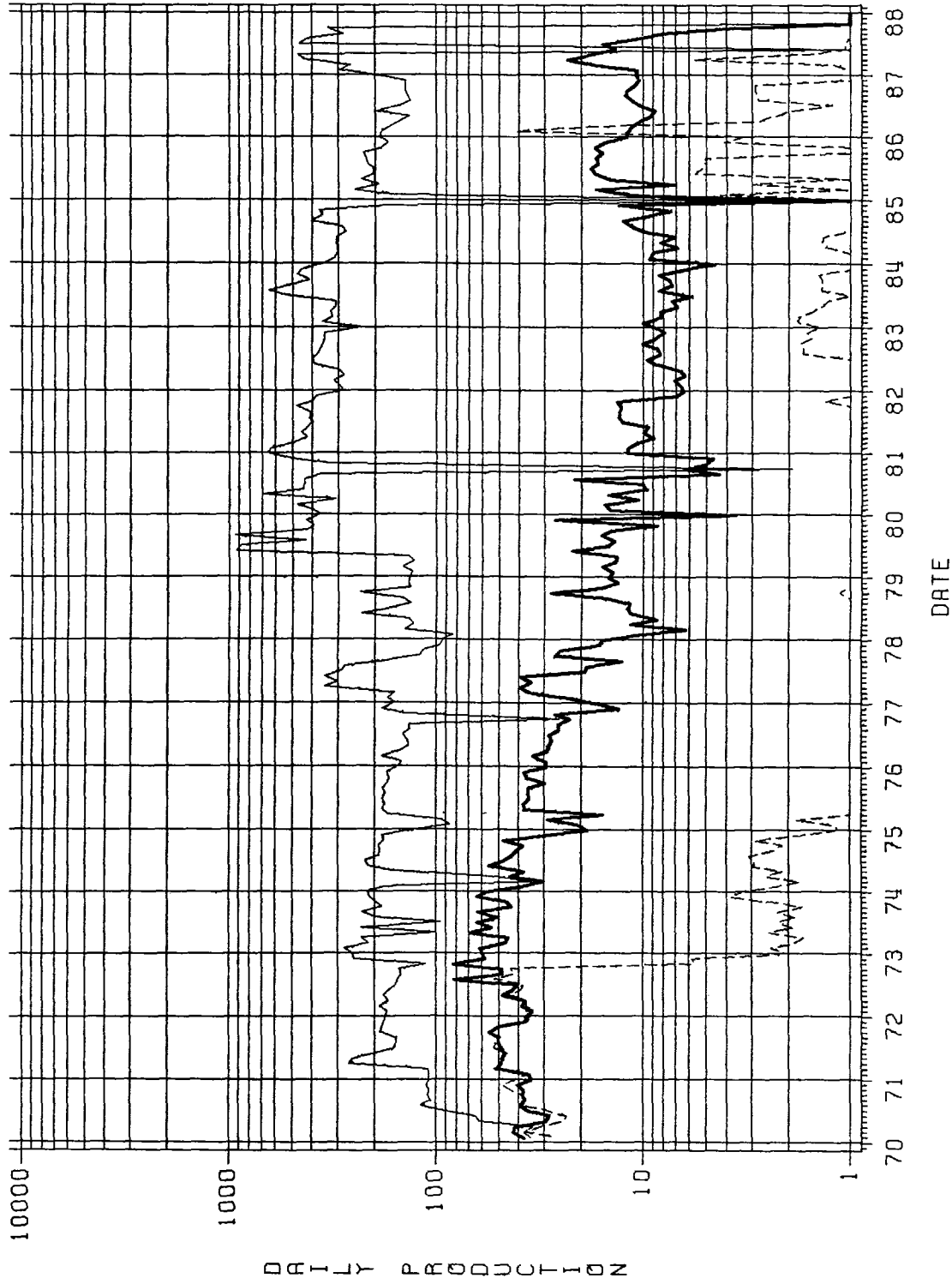
PETROLEUM INFORMATION



HEAVY SOLID LINE=BOPD
SOLID LINE=BWPD
LIGHT DASHED LINE=MCFD

PRODUCTION DATA PLOT

FLDRESNA=HACKBERRY YATES 7 RVRS.. NORTH OPERNA=CHEVRON U.S.A. INC. WELLNA=NHJU WELLNO=114

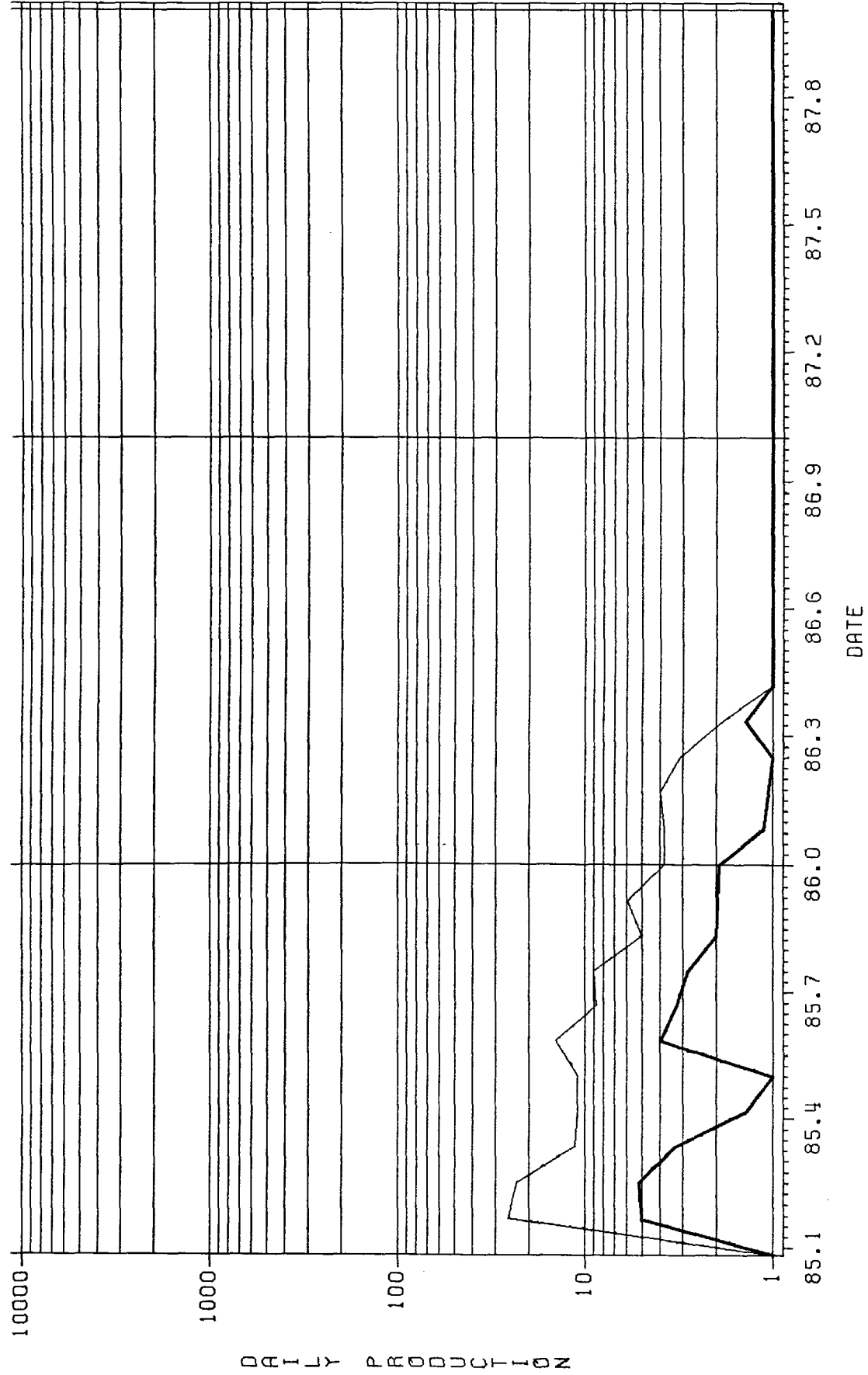


HEAVY SOLID LINE=BOPD
SOLID LINE=BWPD
LIGHT DASHED LINE=MCFD

PRODUCTION DATA PLOT

PETROLEUM INFORMATION

FLDRESNA=HACKBERRY YATES 7 RVRS., NORTH OPERNA=CHEVRON U.S.A. INC. WELLNA=NH7U WELLNO=119

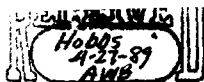


HEAVY SOLID LINE=BOPD
SOLID LINE=BWPD
LIGHT DASHED LINE=MCFD

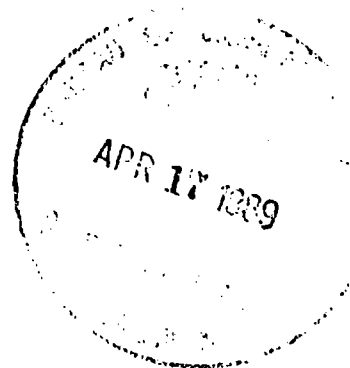


Chevron U.S.A. Inc.
P.O. Box 670, Hobbs, NM 88240

R. C. Anderson
Division Manager
Production Department
Hobbs Division



April 13, 1989



#3675

1988 REPORT OF OPERATIONS AND
1989 PLAN OF DEVELOPMENT FOR
BOGLE FLATS, EUNICE MONUMENT
SOUTH, ✓ NORTH HACKBERRY YATES,
STUART LANGLIE-MATTIX,
HACKBERRY HILLS, MALJAMAR
GRAYBURG AND WEST DOLLARHIDE
DEVONIAN UNIT (S)

United States Department of the Interior
Bureau of Land Management
Roswell District Office
P. O. Box 1397
Roswell, New Mexico 88201

Attention: Mr. Joe G. Lara
Assistant District Manager, Minerals

Gentlemen:

Attached for your viewing are three copies of the 1988 Report of Operations and 1989 Plan of Development for each of the subject Chevron U.S.A. operated Units as requested in your letter of February 1, 1989. Please note that you graciously granted us and extension to April 15, 1989 to submit these reports.

If you have any questions, please contact Mr. J. T. Dunlavey or Mr. A. W. Bohling at Chevron U.S.A. Inc., P. O. Box 670, Hobbs, New Mexico 88240; Phone (505) 393-4121.

Yours very truly,

R. C. ANDERSON

AWB/jay 04139/02

Attachments

cc: M. J. Allison w/o attachments
J. A. Awwad w/o attachments
J. T. Dunlavey w/o attachments
D. H. Messer Houston - w/attachments
D. H. Wilson Houston - w/attachments
Hobbs Division Central Files - Unit files w/attachment

1988 REPORT OF OPERATIONS
1989 PLAN OF DEVELOPMENT

The North Hackberry Yates Unit was unitized in November, 1967. The Unit contains 720 acres and was developed on 40-acre spacing. Three infill producers have been drilled since February 1, 1983. The most recent of these are the North Hackberry Yates Unit #119 and #120 which were both drilled in 1984.

1988 OPERATION

Two workovers were performed in this unit in 1988.

NHYU 103 - The well was cleaned out and acidized.

NHYU 119 - The well was temporarily abandoned.

1989 OPERATIONS

Chevron has no plans for development for this unit in 1989.

Plan of Development
APPROVED

APR 26 1989

Lee J. Lara
DISTRICT MANAGER
BUREAU OF LAND MANAGEMENT

Southwestern
So. Calif
TD22202

Burleson E. Huff
TD220041

U.S. C&I-Fed.

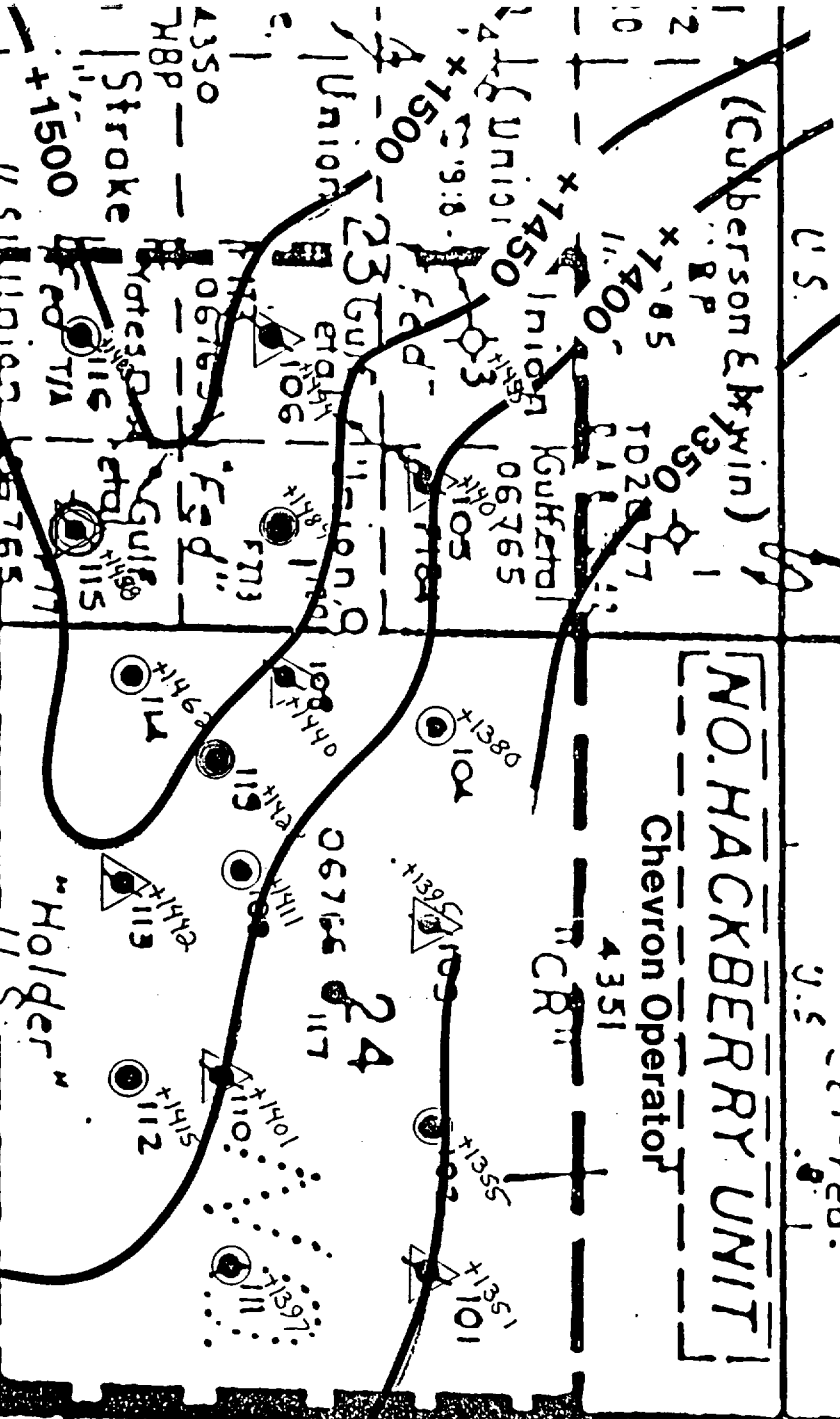
U2340 Irwin, et al (1/2)
069035
3774 Salsich
Haynes E. VT Drig
Gulf
E: 3427
TD 3356
U.S.
18844

NO. HACKBERRY UNIT

Chevron Operator

Texaco
06813

(Marbet)
38.43
Donne Drig
Gelly-Fed
TD2233
Tidewater
U.S.



Stroke
+1500
U.S. Gulf

Stroke
+1450
Cosden
TD1925

Stroke
+1400
I.A.G. At-
chropo-
ous
133282

Stroke
TD2023 (G.W.)
Border Oil 105000
Stroke
TD2165
594

Stroke
TD1937
Stroke
TD2079
Vales Disc.

STRUCTURE MAP
TOP ZONE E MARKER

Chevron USA Inc.
Central Region - Exploration, Land and Production

NORTH HACKBERRY YATES AREA
Eddy County, New Mexico

C.I. = 20'

L.C. Quinn July, 1987

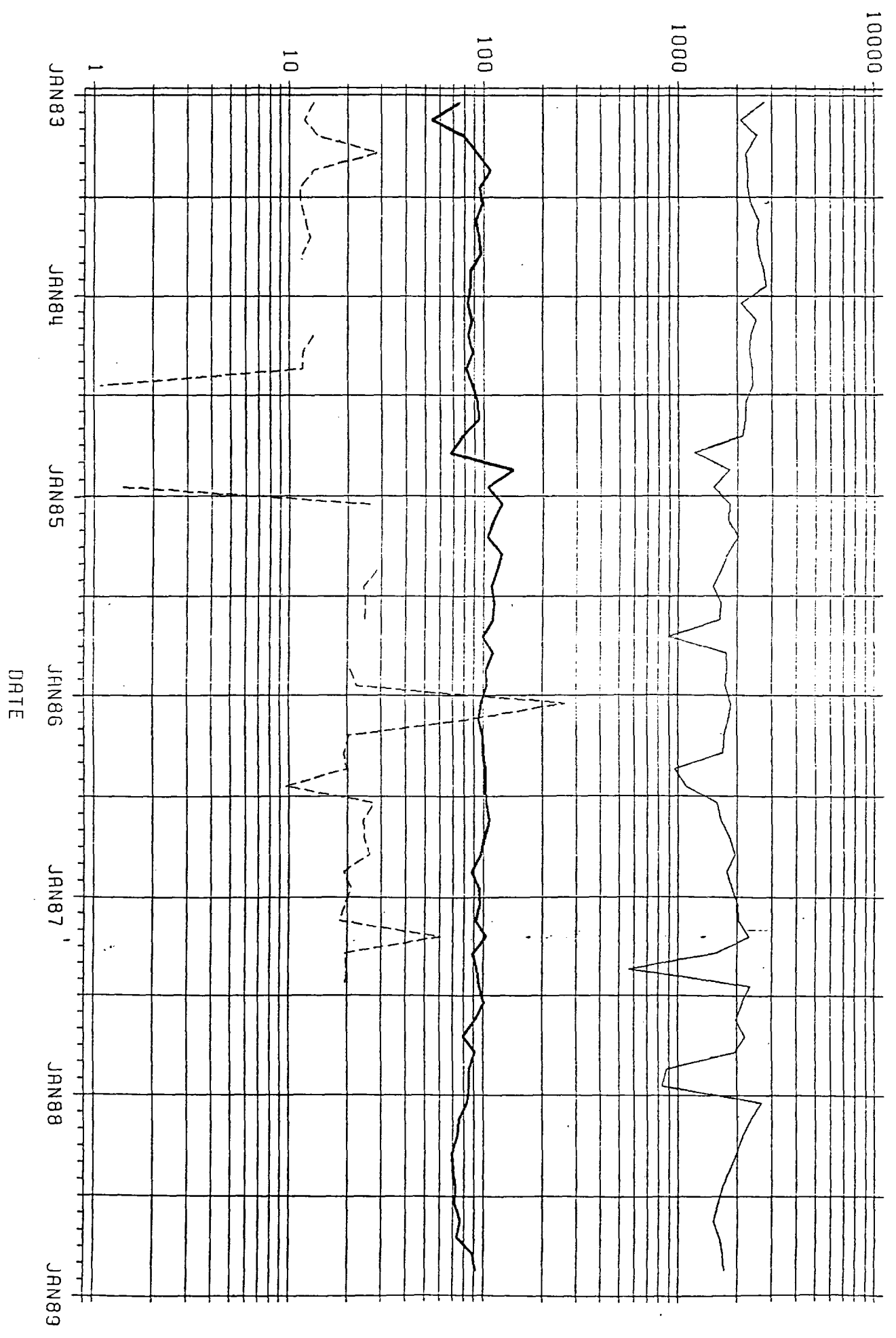
26 E.R. Lyle

25

38.43

30

70



HEAVY SOLID LINE=BOPD
 SOLID LINE=BWPD
 LIGHT DASHED LINE=MCFD

D A I L Y P R O D U C T I O N

RUN DATE: 02/08/88

MONTHLY ALLOCATED PRODUCTION AND WELL TEST REPORT

PROPERTY NAME : NORTH HACKBERRY VATES UNIT
 FIELD_NAME : HACKBERRY
 RESERVOIR : VATES SEVEN RIVERS
 BUSINESS MONTH: JANUARY 1988

WELL NUM (L8)	CLASS	FLUID	WELL STATUS	WELL DAYS UP	MONTHLY OIL PRODUCTION	MONTHLY WATER PRODUCTION	MONTHLY GAS THEORETICAL	OIL TEST	WATER TEST	GAS TEST	GOR	TEST DATE
102	PRO	OIL	PR	31	604	4663	31	20	106	1	51	01/03/88
104	PRO	OIL	PR	31	181	353	31	6	8	1	170	01/09/88
107	PRO	OIL	PR	31	483	4454	31	16	101	1	64	01/01/88
109	PRO	OIL	PR	31	212	397	31	7	9	1	146	01/02/88
111	PRO	OIL	PR	31	218	431	31	7	10	1	146	01/08/88
112	PRO	OIL	PR	31	91	124	31	3	3	1	340	01/07/88
114	PRO	OIL	PR	31	307	16318	31	10	365	1	102	01/06/88
117	PRO	OIL	PR	31	302	2817	31	10	64	1	102	01/05/88
120	PRO	OIL	PR	31	121	7412	31	4	170	1	255	01/04/88
*TOTAL VATES SEVEN RIVERS					2519	36969	279					

AVERAGE DAILY OIL PRODUCTION: 81
 AVERAGE DAILY WATER PRODUCTION: 1,193
 AVERAGE DAILY GAS PRODUCTION: 9

ACTIVE PRODUCER - OIL: 9
 INACTIVE PRODUCER - OIL: 0
 ACTIVE PRODUCER - GAS: 0
 INACTIVE PRODUCER - GAS: 0
 OTHER PRODUCER - ? : 0

HACKBERRY NORTH HACKBERRY VATES UNIT

101	31	146	4,539	1100	0	A
103	31	210	6,500	900	0	A
105	31	193	5,984	1000	0	A
106	31	170	5,280	1000	0	A
108	31	126	3,910	950	0	A
110	31	167	5,178	1100	0	A
113	31	191	5,928	1150	0	A
115	31	223	6,911	1100	0	A

44,230 44,230
44,230 44,230

MONTHLY ALLOCATED PRODUCTION AND WELL TEST REPORT

RUN DATE: 03/08/88

 PROPERTY NAME : NORTH HACKBERRY YATES UNIT
 FIELD NAME : HACKBERRY

 RESERVOIR : YATES SEVEN RIVERS
 BUSINESS MONTH: FEBRUARY 1988

WELL NUM (LB)	CLASS	FLUID	WELL STATUS	WELL DAYS UP	MONTHLY OIL PRODUCTION	MONTHLY WATER PRODUCTION	MONTHLY GAS THEORETICAL	OIL TEST	WATER TEST	GAS TEST	GOR	TEST DATE
102	PRO	OIL	PR	29	368	3720	29	12	106	1	85	02/02/88
104	PRO	OIL	PR	29	207	1854	29	7	58	1	146	02/04/88
107	PRO	OIL	PR	29	455	3690	29	15	106	1	68	02/06/88
109	PRO	OIL	PR	29	187	369	29	6	11	1	170	02/08/88
111	PRO	OIL	PR	29	231	230	29	8	5	1	128	02/10/88
112	PRO	OIL	PR	29	146	105	29	6	3	1	170	02/12/88
114	PRO	OIL	PR	29	217	13293	29	5	390	1	204	02/14/88
117	PRO	OIL	PR	29	372	3635	29	15	146	1	68	02/16/88
120	PRO	OIL	PR	29	97	5700	29	3	160	1	340	02/08/88
*TOTAL YATES SEVEN RIVERS					2280	32596	261					

 AVERAGE DAILY OIL PRODUCTION: 79
 AVERAGE DAILY WATER PRODUCTION: 1,124
 AVERAGE DAILY GAS PRODUCTION: 9

 ACTIVE PRODUCER - OIL: 9
 INACTIVE PRODUCER - OIL: 0
 ACTIVE PRODUCER - GAS: 0
 INACTIVE PRODUCER - GAS: 0
 OTHER PRODUCER - ? : 0

Foreman :

Southern Region COS Report No. 5
 Water Injection Report
 COS Nomad 13-Month Well Transaction Database
 Division: Hobbs
 Supervisor: C.L. Morrill
 February 1908

PAGE

Field	Lease/Property	Well No.	Days On	Daily Avg. Injection Rate	Monthly Injection Volume	YTD Injection Volume	Tubing Pressure	Casing Pressure	Status A/I
HACKBERRY	NORTH HACKBERRY YATES UNIT	101	29	186	5,403	9,942	1000	0	A
		103	29	221	6,400	12,900	1200	0	A
		105	29	214	6,215	12,199	1000	0	A
		106	29	94	2,719	7,999	900	0	A
		108	29	123	3,579	7,489	1200	0	A
		110	29	114	3,309	8,487	1000	0	A
		113	29	158	4,577	10,505	1000	0	A
		115	29	214	6,211	13,122	950	0	A
					38,413	82,643			
					38,413	82,643			

MONTHLY ALLOCATED PRODUCTION AND WELL TEST REPORT

RUN DATE: 04/29/88

PAGE 20

PROPERTY NAME : NORTH HACKBERRY VATES UNIT
FIELD_NAME : HACKBERRY

RESERVOIR : VATES SEVEN RIVERS
BUSINESS MONTH: MARCH 1988

WELL NUM (LB)	CLASS	FLUID	WELL STATUS	WELL DAYS UP	MONTHLY OIL PRODUCTION	MONTHLY WATER PRODUCTION	MONTHLY GAS THEORETICAL	OIL TEST	WATER TEST	GAS TEST	GOR	TEST DATE
102	PRO	OIL	PR	31	350	3400	31	12	106	1	85	04/01/88
104	PRO	OIL	PR	31	204	1874	31	4	22	1	255	04/02/88
107	PRO	OIL	PR	31	438	3338	31	15	105	1	68	04/03/88
109	PRO	OIL	PR	31	175	378	31	6	10	1	170	04/05/88
111	PRO	OIL	PR	31	208	159	31	6	5	1	170	04/07/88
112	PRO	OIL	PR	31	175	149	31	6	2	1	170	04/09/88
114	PRO	OIL	PR	31	146	12519	31	5	391	1	204	04/11/88
117	PRO	OIL	PR	31	460	4614	31	15	141	1	68	04/12/88
120	PRO	OIL	PR	31	88	5201	31	3	161	1	340	04/16/88
*TOTAL VATES SEVEN RIVERS					2244	31632	279					

AVERAGE DAILY OIL PRODUCTION: 72
AVERAGE DAILY WATER PRODUCTION: 1,020
AVERAGE DAILY GAS PRODUCTION: 9

ACTIVE PRODUCER - OIL: 9
INACTIVE PRODUCER - OIL: 0
ACTIVE PRODUCER - GAS: 0
INACTIVE PRODUCER - GAS: 0
OTHER PRODUCER - ? : 0

Southern Region COS Report No. 5
 Water Injection Report
 COS Nomad 13-Month Well Transaction Database
 Division: Hobbs Supervisor: C.L. Morrill
 March 1988

Foreman : D.R. Thomas

Field	LEASE/PROPERTY	WELL NO.	Days On	Daily Avg. Injection Rate	Monthly Injection Volume	YTD Injection Volume	Tubing Pressure	Casing Pressure	Status A/I
HACKBERRY	NORTH HACKBERRY VATES UNIT	101	31	105	3,250	13,192	1050	0	A
		103	31	161	5,000	17,900	900	0	A
		105	31	107	3,320	15,519	1000	0	A
		106	31	113	3,515	11,514	100	0	A
		108	31	78	2,410	9,899	900	0	A
		110	31	119	3,701	12,188	1000	0	A
		113	31	165	5,120	15,625	1000	0	A
		115	31	209	6,490	19,612	1000	0	A
				1,058	32,806	115,449			

AVERAGE DAILY WATER INJECTION: 1,058
 AVERAGE TUBING PRESSURE : 869
 TOTAL ACTIVE WELLS : 8
 TOTAL INACTIVE WELLS : 0

*TOTAL NORTH HACKBERRY VATES UNIT

MONTHLY ALLOCATED PRODUCTION AND WELL TEST REPORT

RUN DATE: 05/07/88

PROPERTY NAME : NORTH HACKBERRY VATES UNIT
FIELD_NAME : HACKBERRY
RESERVOIR : VATES SEVEN RIVERS
BUSINESS MONTH: APRIL 1988

WELL NUM (LB)	CLASS	FLUID	WELL STATUS	WELL DAYS UP	MONTHLY OIL PRODUCTION	MONTHLY WATER PRODUCTION	MONTHLY GAS THEORETICAL	OIL TEST	WATER TEST	GAS TEST	GOR	TEST DATE
102	PRO	OIL	PR	30	354	3233	30	12	106	1	85	04/01/88
104	PRO	OIL	PR	30	121	709	30	4	22	1	255	04/02/88
107	PRO	OIL	PR	30	443	3203	30	15	105	1	68	04/03/88
109	PRO	OIL	PR	30	177	313	30	6	10	1	170	04/05/88
111	PRO	OIL	PR	30	183	153	30	6	5	1	170	04/07/88
112	PRO	OIL	PR	30	177	85	30	6	2	1	170	04/09/88
114	PRO	OIL	PR	30	148	11968	30	5	391	1	204	04/11/88
117	PRO	OIL	PR	30	454	4346	30	15	141	1	68	04/12/88
120	PRO	OIL	PR	17	50	2844	17	3	161	1	340	04/16/88
*TOTAL VATES SEVEN RIVERS					2107	26854	257					

AVERAGE DAILY OIL PRODUCTION: 70
AVERAGE DAILY WATER PRODUCTION: 895
AVERAGE DAILY GAS PRODUCTION: 9

ACTIVE PRODUCER - OIL: 9
INACTIVE PRODUCER - OIL: 0
ACTIVE PRODUCER - GAS: 0
INACTIVE PRODUCER - GAS: 0
OTHER PRODUCER - ? : 0

Foreman : O.R. Thomas

Southern Region COS Report No. 5
 Water Injection Report
 COS Nomad 13-Month Well Transaction Database
 Division: Hobbs
 Supervisor: C.L. Morrill
 April 1988

Field	LEASE/PROPERTY	WELL NO.	Days On	Daily Avg. Injection Rate	Monthly Injection Volume	YTD Injection Volume	Tubing Pressure	Casing Pressure	Status A/I
HACKBERRY	NORTH HACKBERRY YATES UNIT	101	30	132	3,948	17,140	1000	0	A
		103	30	0	0	17,900	1200	0	A
		105	30	66	1,978	17,497	1000	0	A
		106	30	197	5,919	17,433	900	0	A
		108	30	66	1,974	11,873	1200	0	A
		110	30	263	7,890	20,078	1000	0	A
		113	30	132	3,948	19,573	1000	0	A
		115	30	263	7,894	27,506	950	0	A
				1,118	33,551	149,000			

AVERAGE DAILY WATER INJECTION: 1,118
 AVERAGE TUBING PRESSURE : 1,031
 TOTAL ACTIVE WELLS : 8
 TOTAL INACTIVE WELLS : 0

*TOTAL NORTH HACKBERRY YATES UNIT

PROPERTY NAME : NORTH HACKBERRY VATES UNIT
FIELD_NAME: HACKBERRYRESERVOIR: VATES SEVEN RIVERS
BUSINESS MONTH: MAY 1988

WELL NUM (LB)	CLASS	FLUID	WELL STATUS	WELL DAYS UP	MONTHLY OIL PRODUCTION	MONTHLY WATER PRODUCTION	MONTHLY GAS THEORETICAL	OIL TEST	WATER TEST	GAS TEST	GOR	TEST DATE
102	PRO	OIL	PR	30	426	2961	30	14	104	1	72	05/01/88
104	PRO	OIL	PR	31	96	427	31	3	14	1	340	05/03/88
107	PRO	OIL	PR	31	442	2813	31	14	95	1	72	05/03/88
109	PRO	OIL	PR	31	189	400	31	6	14	1	170	05/04/88
111	PRO	OIL	PR	31	216	224	31	7	8	1	146	05/05/88
112	PRO	OIL	PR	31	136	34	31	4	1	1	255	05/06/88
114	PRO	OIL	PR	31	157	11739	31	5	401	1	204	05/07/88
117	PRO	OIL	PR	31	374	3168	31	11	98	1	93	05/08/88
120	PRO	OIL	PR	31	94	3186	31	3	90	1	340	05/09/88
*TOTAL VATES SEVEN RIVERS					2130	24952	278					

AVERAGE DAILY OIL PRODUCTION: 69
AVERAGE DAILY WATER PRODUCTION: 805
AVERAGE DAILY GAS PRODUCTION: 9ACTIVE PRODUCER - OIL: 9
INACTIVE PRODUCER - OIL: 0
ACTIVE PRODUCER - GAS: 0
INACTIVE PRODUCER - GAS: 0
OTHER PRODUCER - ? : 0

Foreman : D.R. Thomas

Southern Region COS Report No. 5
 Water Injection Report
 COS Nomad 13-Month Well Transaction Database
 Division: Hobbs Supervisor: C.L. Morrill
 May 1988

Field	LEASE/PROPERTY	WELL NO.	Days On	Daily Avg. Injection Rate	Monthly Injection Volume	YTD Injection Volume	Tubing Pressure	Casing Pressure	Status A/I
HACKBERRY	NORTH HACKBERRY VATES UNIT	101	31	140	4,340	21,480	950	0	A
		103	0		0	17,900			A
		105	31	150	4,650	22,147	1000	0	A
		106	31	92	2,846	20,279	850	0	A
		108	31	150	4,650	16,523	1000	0	A
		110	31	150	4,650	24,728	950	0	A
		113	31	160	4,960	24,533	1000	0	A
		115	31	150	4,650	32,156	950	0	A
*TOTAL NORTH HACKBERRY VATES UNIT				992	30,746	179,746			

AVERAGE DAILY WATER INJECTION: 992
 AVERAGE TUBING PRESSURE : 957
 TOTAL ACTIVE WELLS : 8
 TOTAL INACTIVE WELLS : 0

MONTHLY ALLOCATED PRODUCTION AND WELL TEST REPORT

RUN DATE: 07/18/88

PROPERTY NAME : NORTH HACKBERRY YATES UNIT
FIELD_NAME: HACKBERRY

RESERVOIR ...: YATES SEVEN RIVERS
BUSINESS MONTH: JUNE 1988

WELL NUM (LB)	CLASS	FLUID	WELL STATUS	WELL DAYS UP	MONTHLY OIL PRODUCTION	MONTHLY WATER PRODUCTION	MONTHLY GAS THEORETICAL	OIL TEST	WATER TEST	GAS TEST	GOR	TEST DATE
102	PRO	OIL	PR	30	457	3563	30	15	115	1	68	07/01/88
104	PRO	OIL	PR	30	141	608	30	3	47	1	340	07/02/88
107	PRO	OIL	PR	30	453	3348	30	15	111	1	68	07/03/88
109	PRO	OIL	PR	30	171	375	30	7	41	1	146	07/04/88
111	PRO	OIL	PR	30	175	246	4	5	9	1	204	07/05/88
112	PRO	OIL	PR	30	138	31	30	3	8	1	340	07/06/88
114	PRO	OIL	PR	30	189	10892	30	13	324	1	79	07/07/88
116	PRO	OIL	AD	0	0	0	0	N/A	N/A	N/A	N/A	N/A
117	PRO	OIL	PR	30	380	3481	30	11	95	1	93	07/08/88
119	PRO	OIL	AD	0	0	0	0	N/A	N/A	N/A	N/A	N/A
120	PRO	OIL	PR	30	86	2990	30	3	81	1	340	07/09/88
*TOTAL YATES SEVEN RIVERS					2190	25534	244					

AVERAGE DAILY OIL PRODUCTION: 73
AVERAGE DAILY WATER PRODUCTION: 851
AVERAGE DAILY GAS PRODUCTION: 8

ACTIVE PRODUCER - OIL: 9
INACTIVE PRODUCER - OIL: 0
ACTIVE PRODUCER - GAS: 0
INACTIVE PRODUCER - GAS: 0
OTHER PRODUCER - ? : 0

Southern Region COS Report No. 5
 Water Injection Report
 COS Nomad 13-Month Well Transaction Database
 Division: Hobbs Supervisor: C.L. Morrill
 June 1988

Foreman : D.R. Thomas

Field	LEASE/PROPERTY	WELL NO.	Days On	Daily Avg. Injection Rate	Monthly Injection Volume	YTD Injection Volume	Tubing Pressure	Casing Pressure	Status A/I
HACKBERRY	NORTH HACKBERRY YATES UNIT	101	30	120	3,607	25,087	1000	0	A
		103	30	0	0	17,900	1200	0	A
		105	30	122	3,647	25,794	1000	0	A
		106	30	105	3,140	23,419	900	0	A
		108	30	123	3,692	20,215	1000	0	A
		110	30	126	3,792	28,520	1000	0	A
		113	30	135	4,048	28,581	1000	0	A
		115	30	120	3,607	35,763	950	0	A
				851	25,533	205,279			
*TOTAL NORTH HACKBERRY YATES UNIT									

AVERAGE DAILY WATER INJECTION: 851
 AVERAGE TUBING PRESSURE : 1,006
 TOTAL ACTIVE WELLS : 8
 TOTAL INACTIVE WELLS : 0

MONTHLY ALLOCATED PRODUCTION AND WELL TEST REPORT

RUN DATE: 08/11/88

PAGE 22

PROPERTY NAME : NORTH HACKBERRY VATES UNIT
FIELD_NAME : HACKBERRY

RESERVOIR : VATES SEVEN RIVERS
BUSINESS MONTH: JULY 1988

WELL NUM (L8)	CLASS	FLUID	WELL STATUS	WELL DAYS UP	MONTHLY OIL PRODUCTION	MONTHLY WATER PRODUCTION	MONTHLY GAS THEORETICAL	OIL TEST	WATER TEST	GAS TEST	GOR	TEST DATE
102	PRO	OIL	PR	28	405	3145	28	15	115	1	68	07/01/88
104	PRO	OIL	PR	28	83	1259	28	3	47	1	340	07/02/88
107	PRO	OIL	PR	31	450	3359	31	15	111	1	68	07/03/88
109	PRO	OIL	PR	31	206	418	31	7	14	1	146	07/04/88
111	PRO	OIL	PR	28	139	242	24	5	9	1	204	07/05/88
112	PRO	OIL	PR	31	99	208	31	3	8	1	340	07/06/88
114	PRO	OIL	PR	31	354	9921	31	13	324	1	79	07/07/88
116	PRO	OIL	AD	0	0	0	0	N/A	N/A	N/A	N/A	N/A
117	PRO	OIL	PR	31	349	3033	31	11	95	1	93	07/08/88
119	PRO	OIL	AD	0	0	0	0	N/A	N/A	N/A	N/A	N/A
120	PRO	OIL	PR	31	90	2601	31	3	81	1	340	07/09/88
*TOTAL VATES SEVEN RIVERS					2175	24186	266					

AVERAGE DAILY OIL PRODUCTION: 70
AVERAGE DAILY WATER PRODUCTION: 780
AVERAGE DAILY GAS PRODUCTION: 9

ACTIVE PRODUCER - OIL: 9
INACTIVE PRODUCER - OIL: 2
ACTIVE PRODUCER - GAS: 0
INACTIVE PRODUCER - GAS: 0
OTHER PRODUCER - ? : 0

Southern Region COS Report No. 5
Water Injection Report
COS Nomad 13-Month Well Transaction Database
Division: Hobbs
Supervisor: C.L. Morris
July 1988

Foreman : D.R. Thomas

Field	LEASE/PROPERTY	WELL NO.	Days On	Daily Avg. Injection Rate	Monthly Injection Volume	YTD Injection Volume	Tubing Pressure	Casing Pressure	Status A/I
HACKBERRY	NORTH HACKBERRY YATES UNIT	101	31	130	4,030	29,117	950	0	A
		103	31	0	0	17,900	1200	0	A
		105	31	150	4,650	30,444	1000	0	A
		106	31	60	1,860	25,279	850	0	A
		108	31	50	1,550	21,765	1000	0	A
		110	31	150	4,650	33,170	950	0	A
		113	31	90	2,795	31,376	1000	0	A
		115	31	150	4,650	40,413	950	0	A
				780	24,185	229,464			

AVERAGE DAILY WATER INJECTION: 780
AVERAGE TUBING PRESSURE : 988
TOTAL ACTIVE WELLS : 8
TOTAL INACTIVE WELLS : 0

MONTHLY ALLOCATED PRODUCTION AND WELL TEST REPORT

RUN DATE: 09/23/88

PROPERTY NAME : NORTH HACKBERRY VATES UNIT
FIELD NAME : HACKBERRY

RESERVOIR : VATES SEVEN RIVERS
BUSINESS MONTH: AUGUST 1988

WELL NUM (L8)	CLASS	FLUID	WELL STATUS	WELL DAYS UP	MONTHLY OIL PRODUCTION	MONTHLY WATER PRODUCTION	MONTHLY GAS THEORETICAL	OIL TEST	WATER TEST	GAS TEST	GOR	TEST DATE
102	PRO	OIL	PR	31	479	3279	31	15	113	1	68	09/01/88
104	PRO	OIL	PR	31	96	1308	31	3	47	1	340	09/02/88
107	PRO	OIL	PR	31	449	3194	31	14	110	1	72	09/03/88
109	PRO	OIL	PR	31	195	1166	31	7	42	1	146	09/04/88
111	PRO	OIL	PR	31	160	236	31	5	8	1	204	09/05/88
112	PRO	OIL	PR	31	149	330	31	5	7	1	204	09/06/88
114	PRO	OIL	PR	31	364	8747	31	12	296	1	85	09/07/88
116	PRO	OIL	AD	0	0	0	0	N/A	N/A	N/A	N/A	N/A
117	PRO	OIL	PR	31	302	2420	31	9	80	1	113	09/08/88
120	PRO	OIL	PR	31	120	2264	31	4	70	1	255	09/09/88
*TOTAL VATES SEVEN RIVERS					2314	22944	279					

AVERAGE DAILY OIL PRODUCTION: 75
AVERAGE DAILY WATER PRODUCTION: 740
AVERAGE DAILY GAS PRODUCTION: 9

ACTIVE PRODUCER - OIL: 9
INACTIVE PRODUCER - OIL: 1
ACTIVE PRODUCER - GAS: 0
INACTIVE PRODUCER - GAS: 0
OTHER PRODUCER - ? : 0

Southern Region COS Report No. 5
 Water Injection Report
 COS Nomad 13-Month Well Transaction Database
 Division: Hobbs Supervisor: C.L. Morrill
 August 1988

Foreman : D.R. Thomas

Field	LEASE/PROPERTY	WELL NO.	Days On	Daily Avg. Injection Rate	Monthly Injection Volume	YTD Injection Volume	Tubing pressure	Casing Pressure	Status A/I
HACKBERRY	NORTH HACKBERRY VATES UNIT	101	31	120	3,720	32,837	900	0	A
		103	11	50	550	18,450	1100	0	A
		105	31	117	3,627	34,071	950	0	A
		106	31	80	2,480	27,759	850	0	A
		108	31	40	1,240	23,005	1000	0	A
		110	31	125	3,887	37,057	1000	0	A
		113	31	120	3,720	35,096	900	0	A
		115	31	120	3,720	44,133	900	0	A
				772	22,944	252,408			

*TOTAL NORTH HACKBERRY VATES UNIT

AVERAGE DAILY WATER INJECTION: 772
 AVERAGE TUBING PRESSURE : 950
 TOTAL ACTIVE WELLS : 8
 TOTAL INACTIVE WELLS : 0

MONTHLY ALLOCATED PRODUCTION AND WELL TEST REPORT

RUN DATE: 10/13/88

 PROPERTY NAME : NORTH HACKBERRY YATES UNIT
 FIELD_NAME : HACKBERRY

 RESERVOIR : YATES SEVEN RIVERS
 BUSINESS MONTH: SEPTEMBER 1988

WELL NUM (LB)	CLASS	FLUID	WELL STATUS	WELL DAYS UP	MONTHLY OIL PRODUCTION	MONTHLY WATER PRODUCTION	MONTHLY GAS THEORETICAL	OIL TEST	WATER TEST	GAS TEST	GOR	TEST DATE
102	PRO	OIL	PR	30	453	3093	30	15	113	1	68	09/01/88
104	PRO	OIL	PR	30	91	1285	30	3	47	1	340	09/02/88
107	PRO	OIL	PR	30	423	3011	30	14	110	1	72	09/03/88
109	PRO	OIL	PR	30	208	1152	30	7	42	1	146	09/04/88
111	PRO	OIL	PR	30	151	219	30	5	8	1	204	09/05/88
112	PRO	OIL	PR	30	151	214	30	5	7	1	204	09/06/88
114	PRO	OIL	PR	30	356	8103	30	12	296	1	85	09/07/88
116	PRO	OIL	AD	0	0	0	0	N/A	N/A	N/A	N/A	N/A
117	PRO	OIL	PR	30	272	2190	30	9	80	1	113	09/08/88
120	PRO	OIL	PR	30	121	1967	30	4	70	1	255	09/09/88
*TOTAL YATES SEVEN RIVERS					2226	21234	270					

 AVERAGE DAILY OIL PRODUCTION: 74
 AVERAGE DAILY WATER PRODUCTION: 708
 AVERAGE DAILY GAS PRODUCTION: 9

 ACTIVE PRODUCER - OIL: 9
 INACTIVE PRODUCER - OIL: 1
 ACTIVE PRODUCER - GAS: 0
 INACTIVE PRODUCER - GAS: 0
 OTHER PRODUCER - ? : 0

Southern Region COS Report No. 5
Water Injection Report
COS Nomad 13-Month Well Transaction Database
Division: Hobbs Supervisor: C.L. Morrill
September 1988

Foreman : D.R. Thomas

Field	LEASE/PROPERTY	WELL NO.	Days On	Daily Avg. Injection Rate	Monthly Injection Volume	YTD Injection Volume	Tubing Pressure	Casing Pressure	Status A/I
HACKBERRY	NORTH HACKBERRY YATES UNIT	101	30	148	4,430	37,267	975	0	A
		103	30	102	3,067	21,517	1050	0	A
		105	30	93	2,787	36,858	1000	0	A
		106	30	81	2,442	30,201	875	0	A
		108	30	78	2,349	25,354	1100	0	A
		110	30	150	4,500	41,557	950	0	A
		113	30	134	4,025	39,121	1000	0	A
		115	30	145	4,346	48,479	975	0	A
				932	27,946	280,354			
*TOTAL NORTH HACKBERRY YATES UNIT									

AVERAGE DAILY WATER INJECTION: 932
AVERAGE TUBING PRESSURE : 991
TOTAL ACTIVE WELLS : 9
TOTAL INACTIVE WELLS : 0

file

MONTHLY ALLOCATED PRODUCTION AND WELL TEST REPORT

RHH DATE: 11/08/88

PROPERTY NAME : NORTH HACKBERRY VATES UNIT
FIELD_NAME : HACKBERRYRESERVOIR : VATES SEVEN RIVERS
BUSINESS MONTH: OCTOBER 1988

WELL NUM (LB)	CLASS	FLUID	WELL STATUS	WELL DAYS UP	MONTHLY OIL PRODUCTION	MONTHLY WATER PRODUCTION	MONTHLY GAS THEORETICAL	OIL TEST	WATER TEST	GAS TEST	GOR	TEST DATE
102	PRO	OIL	PR	31	570	3204	31	17	113	1	60	10/01/88
104	PRO	OIL	PR	31	101	1278	31	3	45	1	340	10/02/88
107	PRO	OIL	PR	31	470	2483	31	14	86	1	72	10/03/88
109	PRO	OIL	PR	31	235	1191	31	7	42	1	146	10/04/88
111	PRO	OIL	PR	31	168	252	31	5	9	1	204	10/05/88
112	PRO	OIL	PR	31	168	222	31	5	8	1	204	10/06/88
114	PRO	OIL	PR	31	457	10086	31	14	370	1	72	10/07/88
116	PRO	OIL	AD	0	0	0	0	N/A	N/A	N/A	N/A	N/A
117	PRO	OIL	PR	31	328	2488	31	10	90	1	102	10/08/88
120	PRO	OIL	PR	31	184	3879	31	6	160	1	170	10/09/88
TOTAL VATES SEVEN RIVERS					2681	25083	279					

AVERAGE DAILY OIL PRODUCTION: 86
 AVERAGE DAILY WATER PRODUCTION: 809
 AVERAGE DAILY GAS PRODUCTION: 9

ACTIVE PRODUCER - OIL: 9
 INACTIVE PRODUCER - OIL: 1
 ACTIVE PRODUCER - GAS: 0
 INACTIVE PRODUCER - GAS: 0
 OTHER PRODUCER - ? : 0

Southern Region COS Report No. 5
 Water Injection Report
 COS Nomad 13-Month Well Transaction Database
 Division: Hobbs Supervisor: C.L. Morrill
 October 1988

Foreman : D.R. Thomas

Field	LEASE/PROPERTY	WELL NO.	Days On	Daily Avg. Injection Rate	Monthly Injection Volume	VTD Injection Volume	Tubing Pressure	Casing Pressure	Status A/I
HACKBERRY	NORTH HACKBERRY VATES UNIT	101	31	126	3,893	41,160	1000	0	A
		103	31	139	4,306	25,823	1075	0	A
		105	31	59	1,843	38,701	850	0	A
		106	31	53	1,643	31,844	850	0	A
		108	31	66	2,042	27,396	1075	0	A
		110	31	150	4,650	46,207	950	0	A
		113	31	114	3,548	42,669	1000	0	A
		115	31	140	4,329	52,808	950	0	A
				847	26,254	306,608			

AVERAGE DAILY WATER INJECTION: 847
 AVERAGE TUBING PRESSURE : 969
 TOTAL ACTIVE WELLS : 8
 TOTAL INACTIVE WELLS : 0

*TOTAL NORTH HACKBERRY VATES UNIT

MONTHLY ALLOCATED PRODUCTION AND WELL TEST REPORT

RUN DATE: 12/09/88

PROPERTY NAME : NORTH HACKBERRY VATES UNIT
FIELD_NAME : HACKBERRY

RESERVOIR : VATES SEVEN RIVERS
BUSINESS MONTH: NOVEMBER 1988

WELL NUM (LB)	CLASS	FLUID	WELL STATUS	WELL DAYS UP	MONTHLY OIL PRODUCTION	MONTHLY WATER PRODUCTION	MONTHLY GAS THEORETICAL	OIL TEST	WATER TEST	GAS TEST	GOR	TEST DATE
102	PRO	OIL	PR	30	529	3125	0	17	109	0	0	11/01/88
104	PRO	OIL	PR	30	424	1844	30	14	65	1	72	11/02/88
107	PRO	OIL	PR	30	378	2305	30	12	80	1	85	11/03/88
109	PRO	OIL	PR	30	218	1101	30	7	38	1	146	11/04/88
111	PRO	OIL	PR	30	156	258	30	5	9	1	204	11/05/88
112	PRO	OIL	PR	30	156	277	30	5	10	1	204	11/06/88
114	PRO	OIL	PR	30	386	8360	30	12	272	1	85	11/07/88
116	PRO	OIL	AD	0	0	0	0	N/A	N/A	N/A	N/A	N/A
117	PRO	OIL	PR	30	335	2690	30	11	95	1	93	11/08/88
120	PRO	OIL	PR	30	187	4062	30	6	135	1	170	11/09/88
*TOTAL VATES SEVEN RIVERS					2769	24022	240					

AVERAGE DAILY OIL PRODUCTION: 92
AVERAGE DAILY WATER PRODUCTION: 801
AVERAGE DAILY GAS PRODUCTION: 8

ACTIVE PRODUCER - OIL: 9
INACTIVE PRODUCER - OIL: 1
ACTIVE PRODUCER - GAS: 0
INACTIVE PRODUCER - GAS: 0
OTHER PRODUCTION: 0

Foreman : D.R. Thomas

Southern Region COS Report No. 5
 Water Injection Report
 COS Nomad 13-Month Well Transaction Database
 Division: Hobbs Supervisor: C.L. Morrell
 November 1988

Field	LEASE/PROPERTY	WELL NO.	Days On	Daily Avg. Injection Rate	Monthly Injection Volume	YTD Injection Volume	Tubing Pressure	Casing Pressure	Status A/I
HACKBERRY	NORTH HACKBERRY YATES UNIT	101	30	145	4,346	45,506	975	0	A
		103	30	145	4,351	30,174	1100	0	A
		105	30	61	1,820	40,521	825	0	A
		106	30	54	1,620	33,464	850	0	A
		108	30	82	2,452	29,848	1100	0	A
		110	30	150	4,500	50,707	950	0	A
		113	30	132	3,966	46,635	1000	0	A
		115	30	158	4,728	57,536	950	0	A
				926	27,783	334,391			

*TOTAL NORTH HACKBERRY YATES UNIT

AVERAGE DAILY WATER INJECTION: 926
 AVERAGE TUBING PRESSURE : 969
 TOTAL ACTIVE WELLS : 8
 TOTAL INACTIVE WELLS : 0

MONTHLY ALLOCATED PRODUCTION AND WELL TEST REPORT

RHH DATE: 01/12/89

PAGE 21

PROPERTY NAME : NORTH HACKBERRY VATES UNIT
FIELD_NAME ...: HACKBERRYRESERVOIR ...: VATES SEVEN RIVERS
BUSINESS MONTH: DECEMBER 1988

WELL NUM (LB)	CLASS	FLUID	WELL STATUS	WELL DAYS UP	MONTHLY OIL PRODUCTION	MONTHLY WATER PRODUCTION	MONTHLY GAS THEORETICAL	OIL TEST	WATER TEST	GAS TEST	GOR	TEST DATE
102	PRO	OIL	PR	31	522	3158	31	17	110	1	60	12/01/88
104	PRO	OIL	PR	31	311	1449	31	10	50	1	102	12/02/88
107	PRO	OIL	PR	31	368	2297	31	12	80	1	85	12/03/88
109	PRO	OIL	PR	31	215	1091	31	7	38	1	146	12/04/88
111	PRO	OIL	PR	31	153	258	31	4	9	1	204	12/05/88
112	PRO	OIL	PR	31	128	335	31	12	12	1	255	12/06/88
114	PRO	OIL	PR	31	368	7947	31	12	278	1	85	12/07/88
116	PRO	OIL	AD	0	0	0	0	N/A	N/A	N/A	N/A	N/A
117	PRO	OIL	PR	31	314	2727	31	10	95	1	102	12/08/88
120	PRO	OIL	PR	31	161	3237	31	5	105	1	204	12/09/88
TOTAL VATES SEVEN RIVERS					2540	22499	279					

AVERAGE DAILY OIL PRODUCTION: 82
AVERAGE DAILY WATER PRODUCTION: 726
AVERAGE DAILY GAS PRODUCTION: 9ACTIVE PRODUCER - OIL: 9
INACTIVE PRODUCER - OIL: 1
ACTIVE PRODUCER - GAS: 0
INACTIVE PRODUCER - GAS: 0
OTHER PRODUCER - ? : 0

Foreman : D.R. Thomas

Southern Region COS Report No. 5
 Water Injection Report
 COS Nomad 13-Month Well Transaction Database
 Division: Hobbs
 Supervisor: C.L. Morrill
 December 1988

Field	LEASE/PROPERTY	WELL NO.	Days On	Daily Avg. Injection Rate	Monthly Injection Volume	VID Injection Volume	Tubing Pressure	Casing Pressure	Status A/I
HACKBERRY	NORTH HACKBERRY VATES UNIT	101	31	158	4,889	50,395	1000	0	A
		103	31	125	3,864	34,038	1125	0	A
		105	31	60	1,860	42,381	850	0	A
		106	31	53	1,643	35,107	850	0	A
		108	31	70	2,173	32,021	1075	0	A
		110	31	140	4,340	55,047	950	0	A
		113	31	140	4,340	50,975	1000	0	A
		115	31	150	4,650	62,186	950	0	A
				895	27,759	362,150			

AVERAGE DAILY WATER INJECTION: 895
 AVERAGE TUBING PRESSURE : 975
 TOTAL ACTIVE WELLS : 8
 TOTAL INACTIVE WELLS : 0

3675

DEC 12 1967

Gulf Oil Corporation
Post Office Drawer 1938
Roswell, New Mexico 88201

Gentlemen:

On December 6, 1967, J. Baker, Acting Director of the
Cattle and Horse Survey, approved the North Ashberry Yates unit agree-
ment, Elddy County, New Mexico, filed by your company as unit
operator. This agreement has been designated No. 14-08-0001-8895,
and is effective as of January 1, 1968.

Enclosed is one copy of the approved unit agreement for your records.
We request that you furnish all interested principals with whatever
evidence of this approval is deemed appropriate.

Sincerely yours,

RUSSELL G. WAYLAND

For the Director

Enclosure

cc:
Roswell (2) (w/2 copies approved agreement) Dist. from Roswell

MAIN OFFICE 000

'67 DEC 18 AM 9 57



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

December 15, 1967

3672

Gulf Oil Corporation
P. O. Drawer 1938
Roswell, New Mexico 88201

Gentlemen:

Your initial plan of operation for the North Hackberry Yates unit,
Eddy County, New Mexico, has been approved on this date.

One approved copy of the plan is enclosed.

Sincerely yours,

(ORIG. SGD.) CARL C. TRAYWICK
CARL C. TRAYWICK
Acting Oil and Gas Supervisor

cc:
Washington (w/ey. of plan)
Artesia (w/ey. of plan)
NMOCC, Santa Fe (ltr. only) ✓

MAIN OFFICE OF

'67 DEC 18 AM 9 5

GOVERNOR
DAVID F. CARGO
CHAIRMAN

State of New Mexico
Oil Conservation Commission



LAND COMMISSIONER
GUYTON B. HAYS
MEMBER

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

P. O. BOX 2088
SANTA FE

November 13, 1967

Mr. Bill Kastler
Gulf Oil Corporation
Post Office Box 1938
Roswell, New Mexico 88201

Re: Case No. 3675
Order No. R-3334
Applicant:
Gulf Oil Corporation

Dear Sir:

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

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/ir

Carbon copy of order also sent to:

Hobbs OCC x

Artesia OCC x

Aztec OCC

Other Unit Division - Land Office

Gulf Oil Corporation

EXPLORATION AND PRODUCTION DEPARTMENT—U. S. OPERATIONS
ROSWELL DISTRICT

W. B. Hopkins
DISTRICT MANAGER
M. I. Taylor
DISTRICT PRODUCTION
MANAGER
F. O. Mortlock
DISTRICT EXPLORATION
MANAGER
H. A. Rankin
DISTRICT SERVICES MANAGER

September 20, 1967

P. O. Drawer 1938
Roswell, New Mexico 88201

Chick

Page 3675

Secretary Director
Oil Conservation Commission
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

1967 SEP 22 AM 11 34

Re: Application of Gulf Oil Corporation for the Approval of
the North Hackberry Yates Unit Agreement Providing for
Secondary Recovery Operations in a Portion of the North
Hackberry Yates Pool, Eddy County, New Mexico

Dear Sir:

Gulf Oil Corporation, as proposed Unit Operator, seeks the Commission's approval of the North Hackberry Yates Unit Agreement on the basis that the proposed unit plan for waterflooding certain wells in the North Hackberry Yates Pool will promote the conservation of oil and gas and prevent waste. In support of this application, the following is offered:

- (1) The Unit Area shall be:

30

Township 19 South, Range ~~35~~ East

Section 23: S/2 NE/4 and SE/4

Section 24: S/2 N/2 and S/2

Containing 720.00 acres, more or less,
more fully shown on the enclosed plats.

- (2) The Unit Area includes only wells completed in the Yates formation and a dry hole. No producing North Hackberry Yates wells are contiguous to the Unit Area other than those in this proposed Unit.
- (3) Average production from the 16 wells in the proposed Unit Area has declined to approximately ten (10) barrels of oil a day per well, and the unit wells have reached an advanced stage of depletion as described in Rule 701(E)(1).
- (4) Applicant proposes to convert eight (8) wells to water injection wells, detailed descriptions of which are outlined and summarized in the enclosed diagrammatic sketches. Copies of logs on all injection wells are also enclosed.



DOCKET MAILED

Date 10-11-67

September 20, 1967

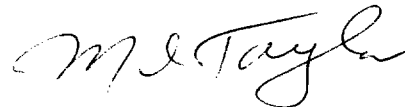
- (5) Applicant plans to inject up to 500 barrels a day of salt water into each injection well. Injection will be into the Yates formation (see typical well log) at depths ranging from 1750 to 2050 feet below the surface and will be on an 80-acre 5-spot pattern as shown on the enclosed plats.
- (6) Source of the injection water will be shallow wells to be drilled in Section 24, T19S, R30E. Saline water will be produced from the Rustler formation at depths ranging from 300 to 500 feet below the surface. Gulf's Applications to Appropriate Groundwater, CP-357, CP-357-X and CP-357-X-2, have previously been approved for this purpose by the State Engineer.
- (7) The order of the Commission should become effective upon the final approval of the Unit Agreement by both Working Interest Owners and the United States Geological Survey and terminate ipso facto upon termination of the Unit Agreement.

Gulf Oil Corporation has obtained preliminary approval of the Unit Agreement from the U. S. Geological Survey, and a copy of this application, complete with all attachments, has been sent to the State Engineer Office, Santa Fe, New Mexico.

It is requested that this matter be set for hearing before an examiner.

Respectfully submitted,

GULF OIL CORPORATION



M. I. Taylor

Attachments
DGB:ers

cc: U. S. Geological Survey
Post Office Box 1857
Roswell, New Mexico 88201

State Engineer Office
Post Office Box 1079
Santa Fe, New Mexico 87501

New Mexico Oil Conservation Commission
Post Office Box 1980
Hobbs, New Mexico 88240

Page 3675

September 25, 1967

Gulf Oil Corporation
P. O. Drawer 1938
Roswell, N. M. 88201

Gentlemen:

Receipt of a copy of your application to the Oil Conservation Commission for approval of your North Hackberry Yates Unit Agreement and Secondary Recovery Operations in Sections 23 and 24, T. 19 S., R. 35 E., in the North Hackberry Yates Pool is hereby acknowledged.

FEI/ma

Yours truly,

S. E. Reynolds
State Engineer

By:

Frank E. Irby
Chief
Water Rights Div.

1967 SEP 26 AM 10