

**BTA OIL PRODUCERS**  
**CASE NO.**

# VADA TREND (BOUGH "C")

LEA & ROOSEVELT COUNTIES, NEW MEXICO

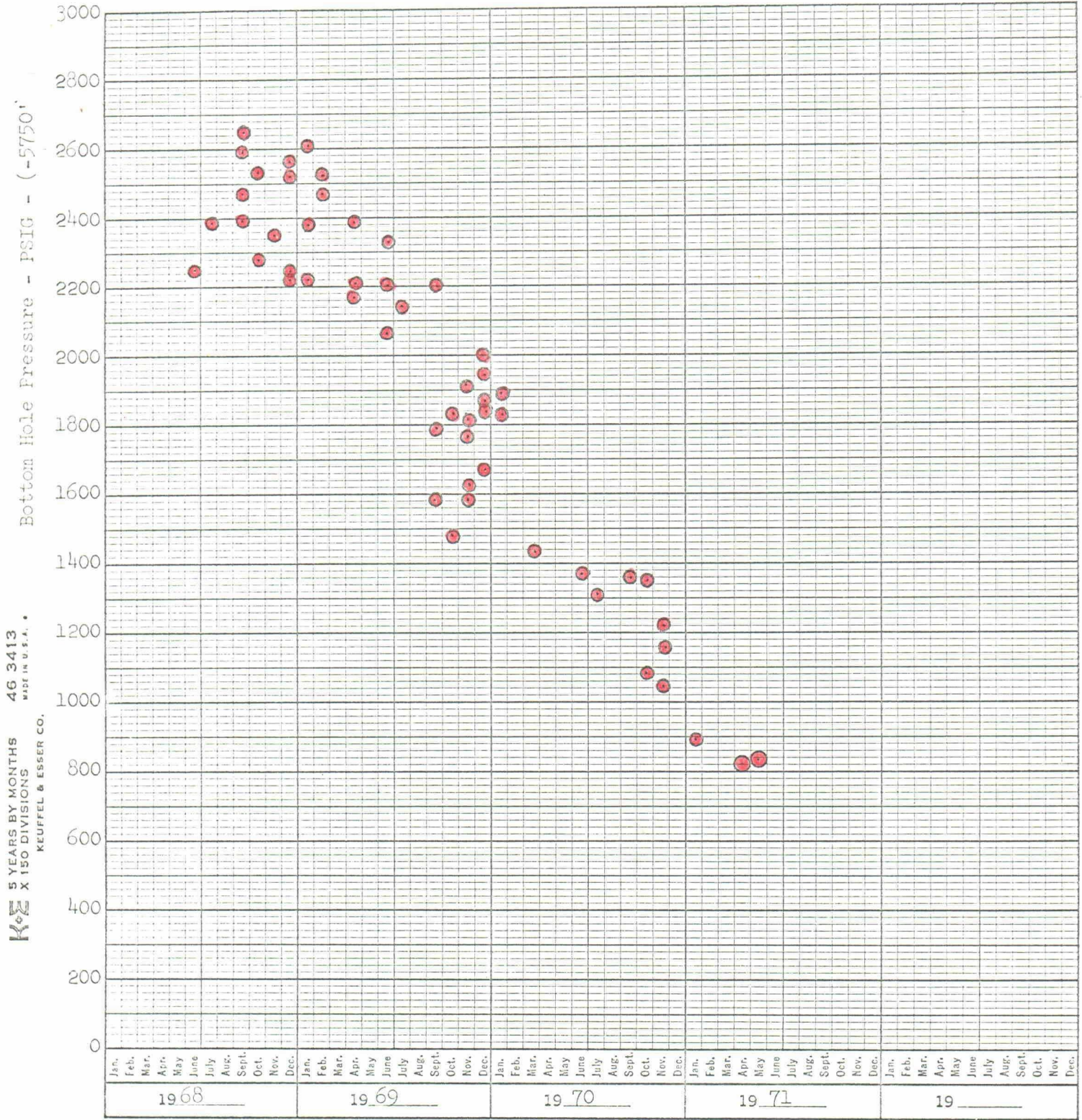
--- PROJECT AREA  
▲ INITIAL INJECTION WELL  
● PRODUCER

**EXHIBIT I**  
**CASE NO. 4555**

BEFORE EXAMINER NUTTER  
OIL CONCENTRATION \_\_\_\_\_ MISSION  
CASE # \_\_\_\_\_ 4555 \_\_\_\_\_



BTA Oil Producers  
Project Area BHP History  
Vada Pool  
Total 20 Wells



BEFORE EXAMINER NUTTER  
OIL CONSERVATION COMMISSIC  
EXHIBIT NO. 4  
CASE NO. 4555

EXHIBIT 4  
CASE NO. 4555

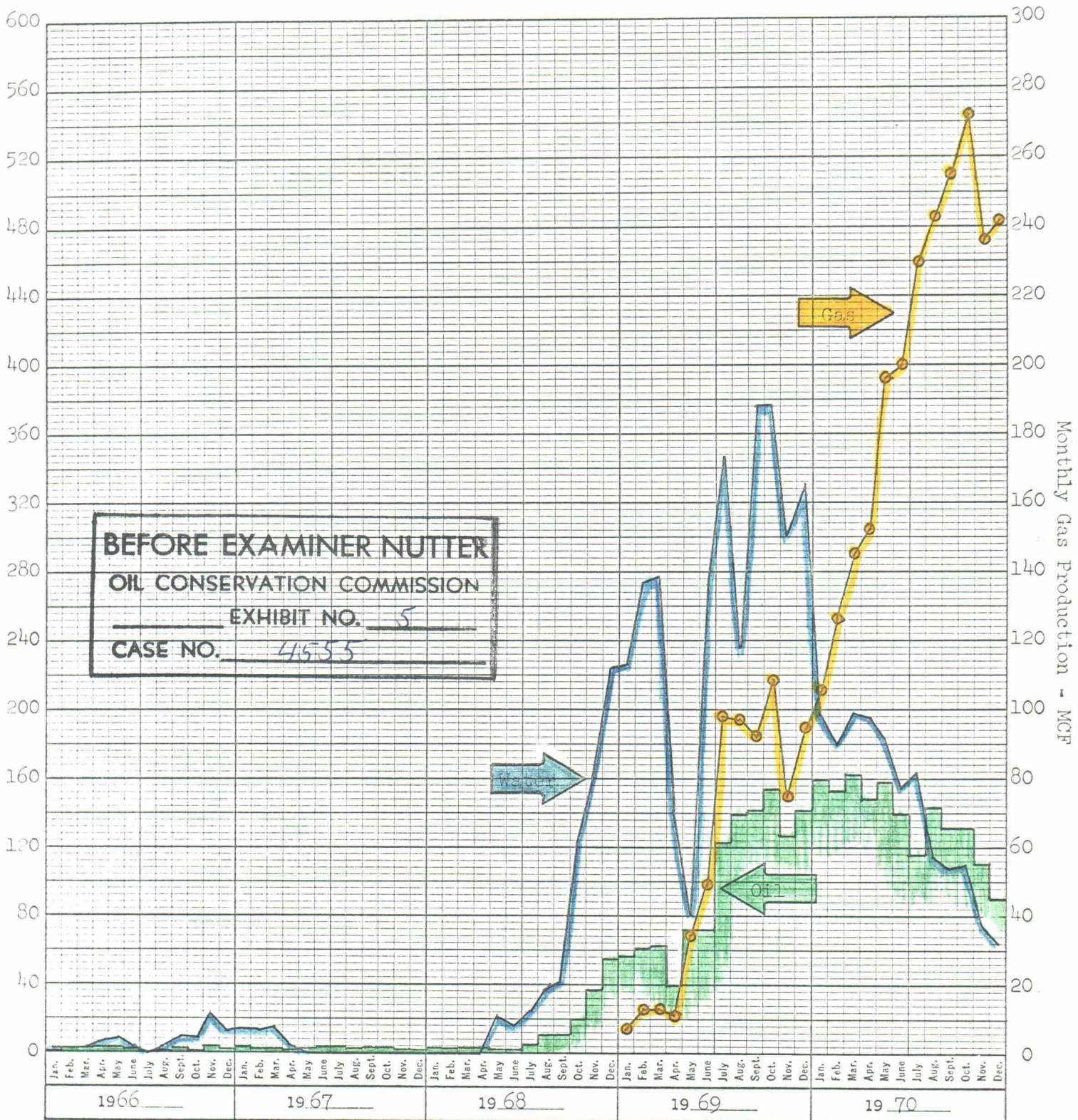


BTA Oil Producers  
Project Area Performance  
Vada Pool  
Total 20 Wells

Monthly Oil & Water Production  
1,000 Bbls

46 3413  
MADE IN U.S.A.  
KEUFFEL & ESSER CO.

5 YEARS BY MONTHS  
X 150 DIVISIONS



Cumulative to 12-1-70:  
Oil 3,046,316 Bbls  
Gas 2,875,311 MCF  
Water 5,518,965 Bbls

Cumulative to 5-1-71:  
Oil 3,391,750 Bbls  
Gas 4,003,445 MCF  
Water 5,748,486 Bbls

**EXHIBIT 5**  
**CASE NO. 4555**

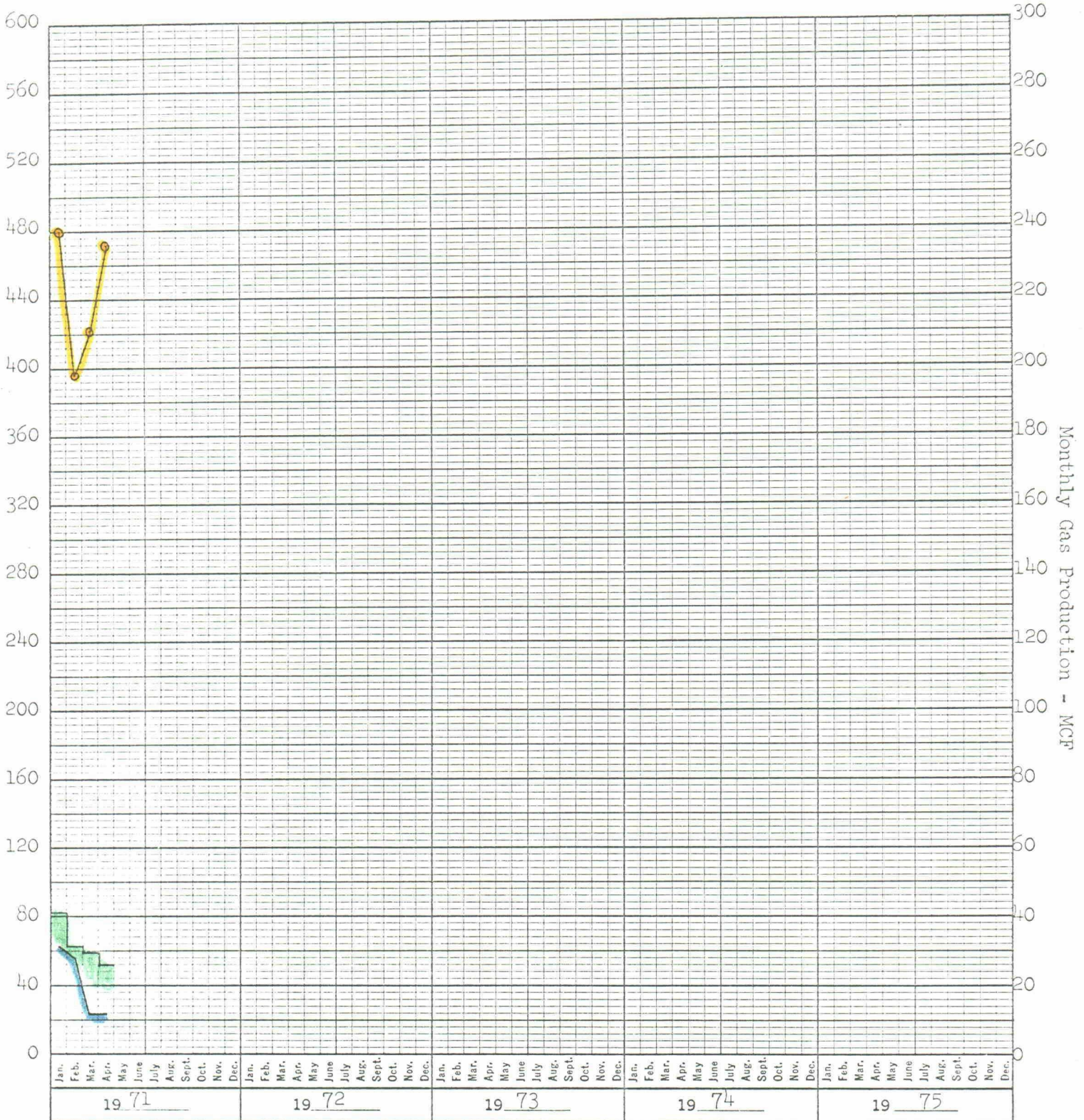


BTA Oil Producers  
Project Area Performance  
Vada Pool  
Total 20 Wells

Monthly Oil & Water Production

1,000 Bbls

K&E 5 YEARS BY MONTHS 46 3413  
X 150 DIVISIONS  
MADE IN U.S.A. •  
KEUFFEL & ESSER CO.



BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

EXHIBIT NO. 5

CASE NO. 4555

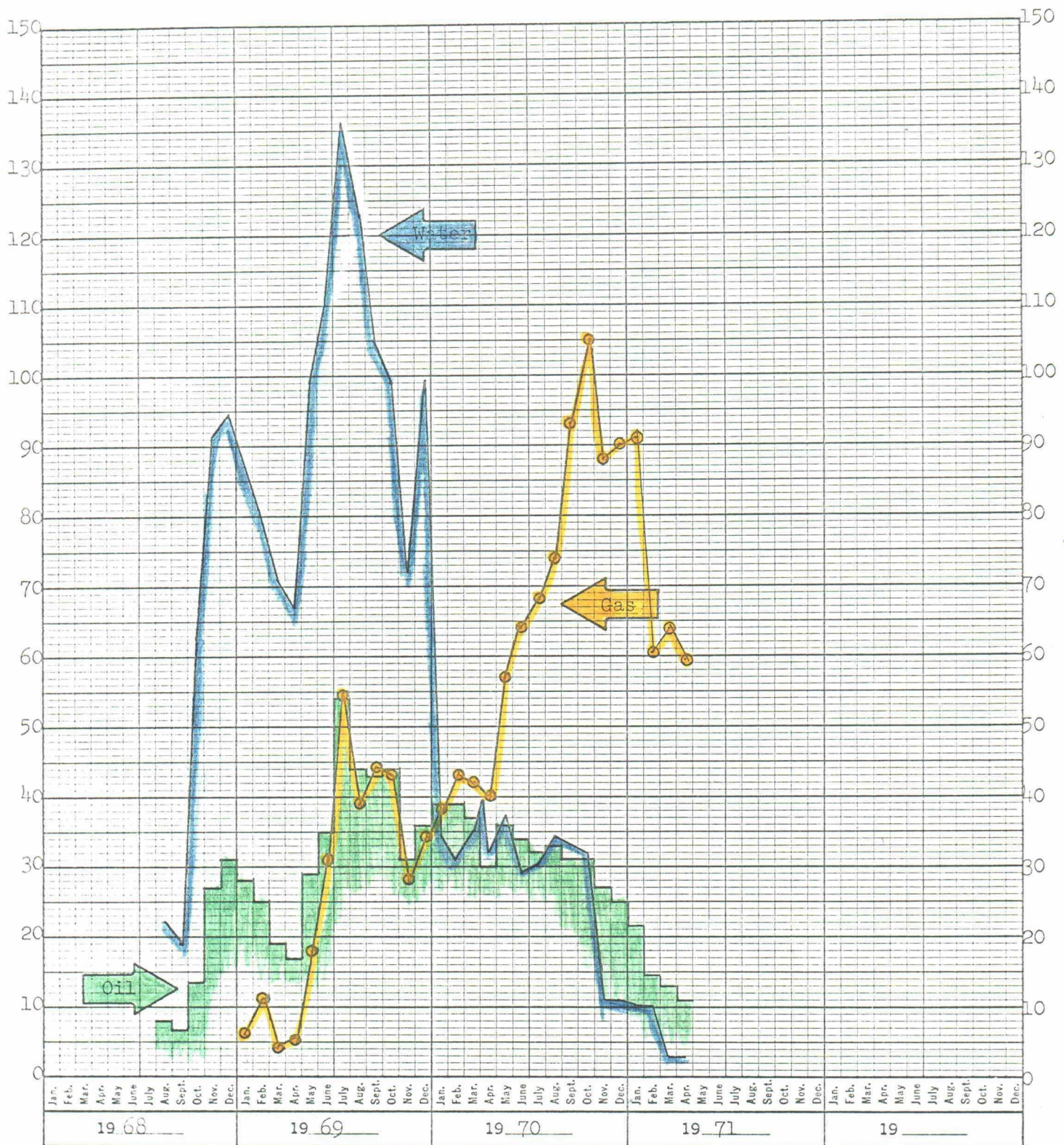


BTA Oil Producers  
685 Bond Lease  
Vada Pool  
6 Wells

Monthly Oil & Water Production  
1,000 Bbls

K&E 5 YEARS BY MONTHS 46 3413  
X 150 DIVISIONS  
MADE IN U.S.A.  
KEUFFEL & ESSER CO.

Monthly Gas Production - MCF



Cumulative to 12-1-70:  
Oil 856,751 Bbls  
Gas 1,029,707 MCF  
Water 1,796,248 Bbls

Cumulative to 5-1-71:  
Oil 941,639 Bbls  
Gas 1,394,929 MCF  
Water 1,835,747 Bbls

**EXHIBIT 6**  
**CASE NO. 4555**



BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

EXHIBIT NO. 6

CASE NO. 4555

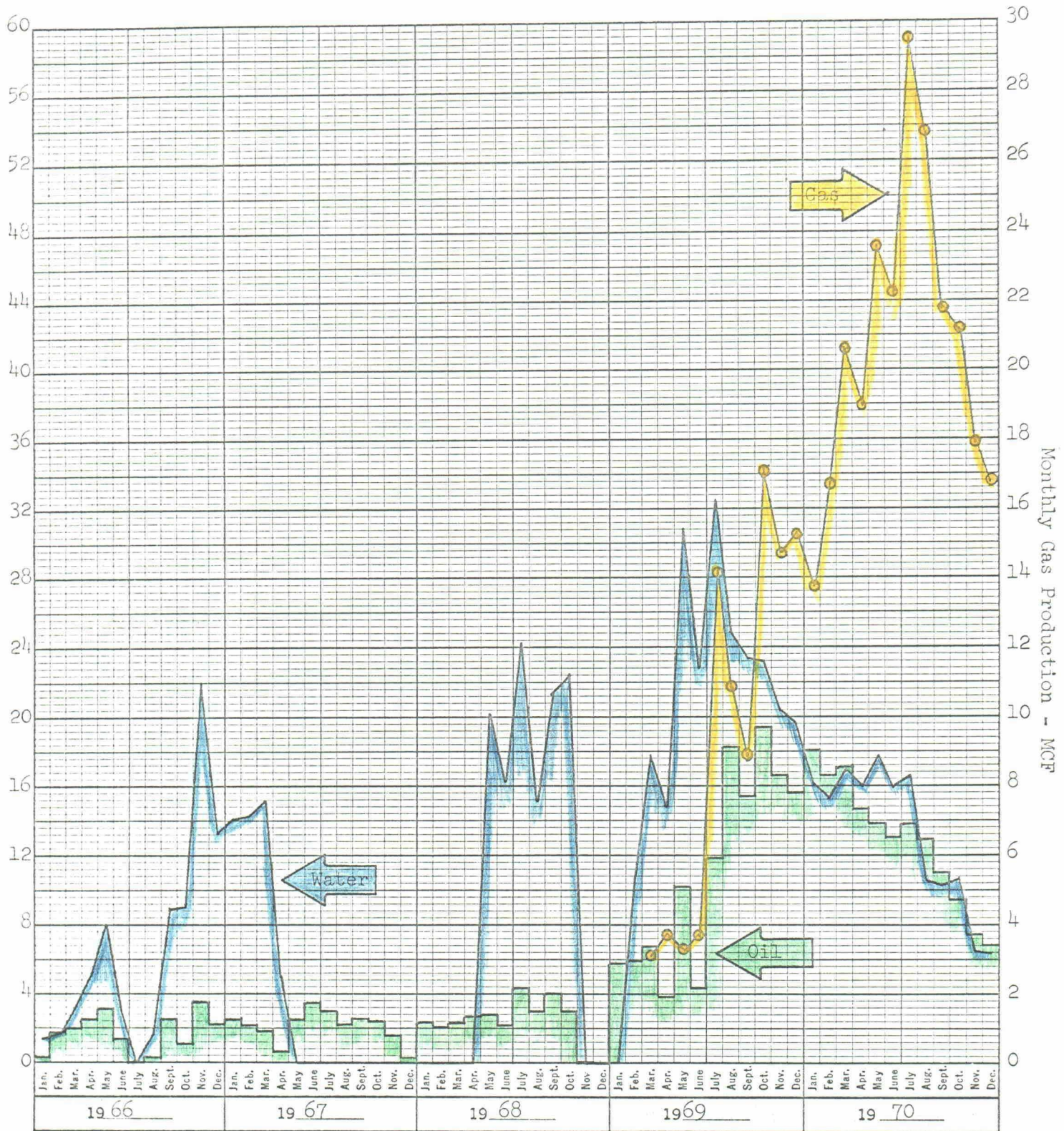
FILED IN 2000



BTA Oil Producers  
 685 Northcott Lease  
 Vada Pool  
 2 Wells

Monthly Oil & Gas Production  
 1,000 Bbls

K&E 5 YEARS BY MONTHS 46 3413  
 X 150 DIVISIONS  
 MADE IN U.S.A.  
 KEUFFEL & ESSER CO.



Cumulative to 12-1-70:  
 Oil 365,383 Bbls  
 Gas 367,601 MCF  
 Water 728,997 Bbls

Cumulative to 5-1-71:  
 Oil 389,207 Bbls  
 Gas 431,164 MCF  
 Water 750,333 Bbls

**EXHIBIT 7**  
**CASE NO. 4555**

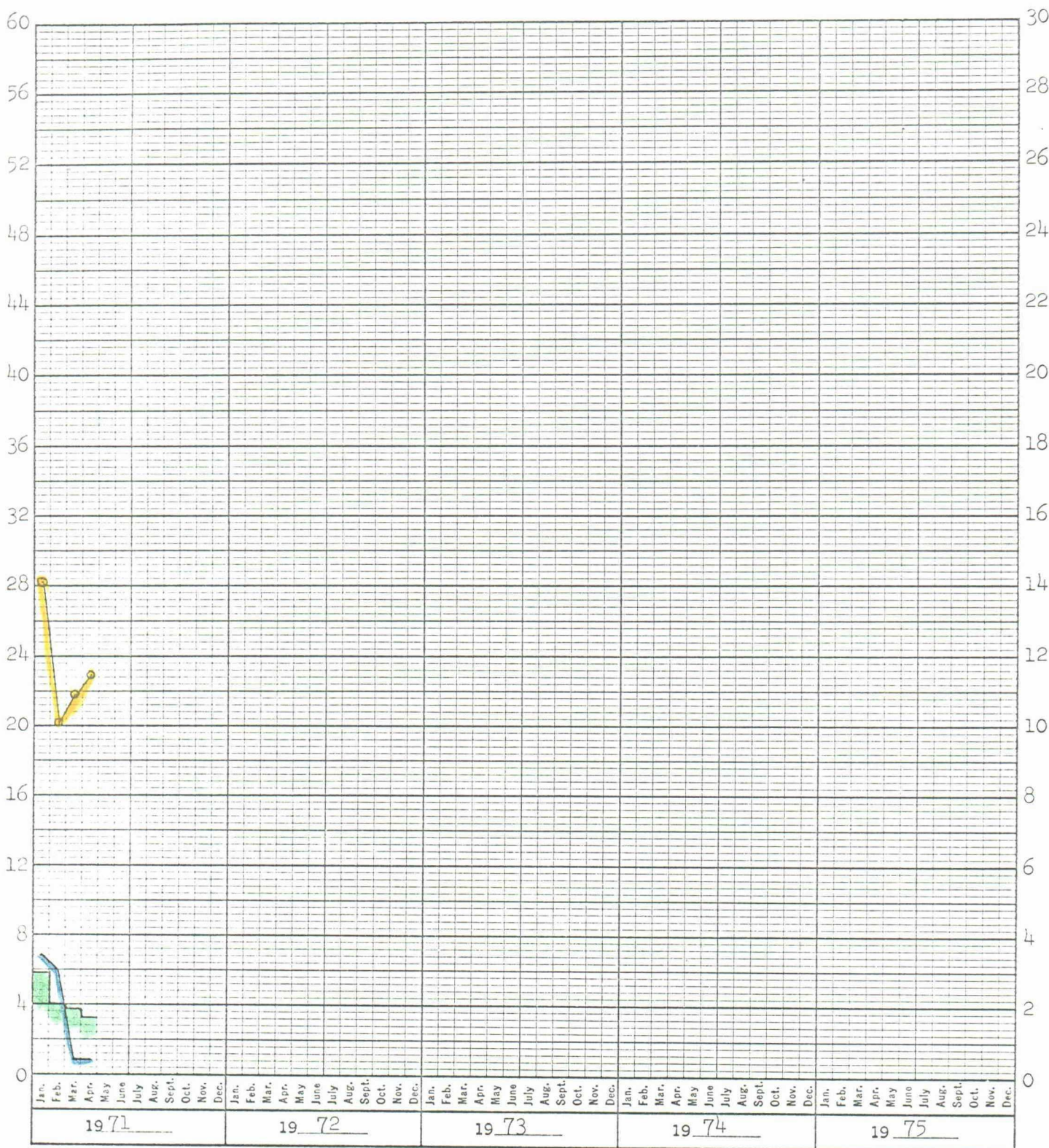


BEFORE EXAMINER NUTTER  
OIL CONSERVATION COMMISSION  
EXHIBIT NO. 7  
CASE NO. 4555



BTA Oil Producers  
 685 Northcott Lease  
 Vada Pool  
 2 Wells

K&E 5 YEARS BY MONTHS 46 3413  
 X 150 DIVISIONS  
 KEUFFEL & ESSER CO.



BEFORE EXAMINED NUTTER

OIL CONSERVATION COMMISSION

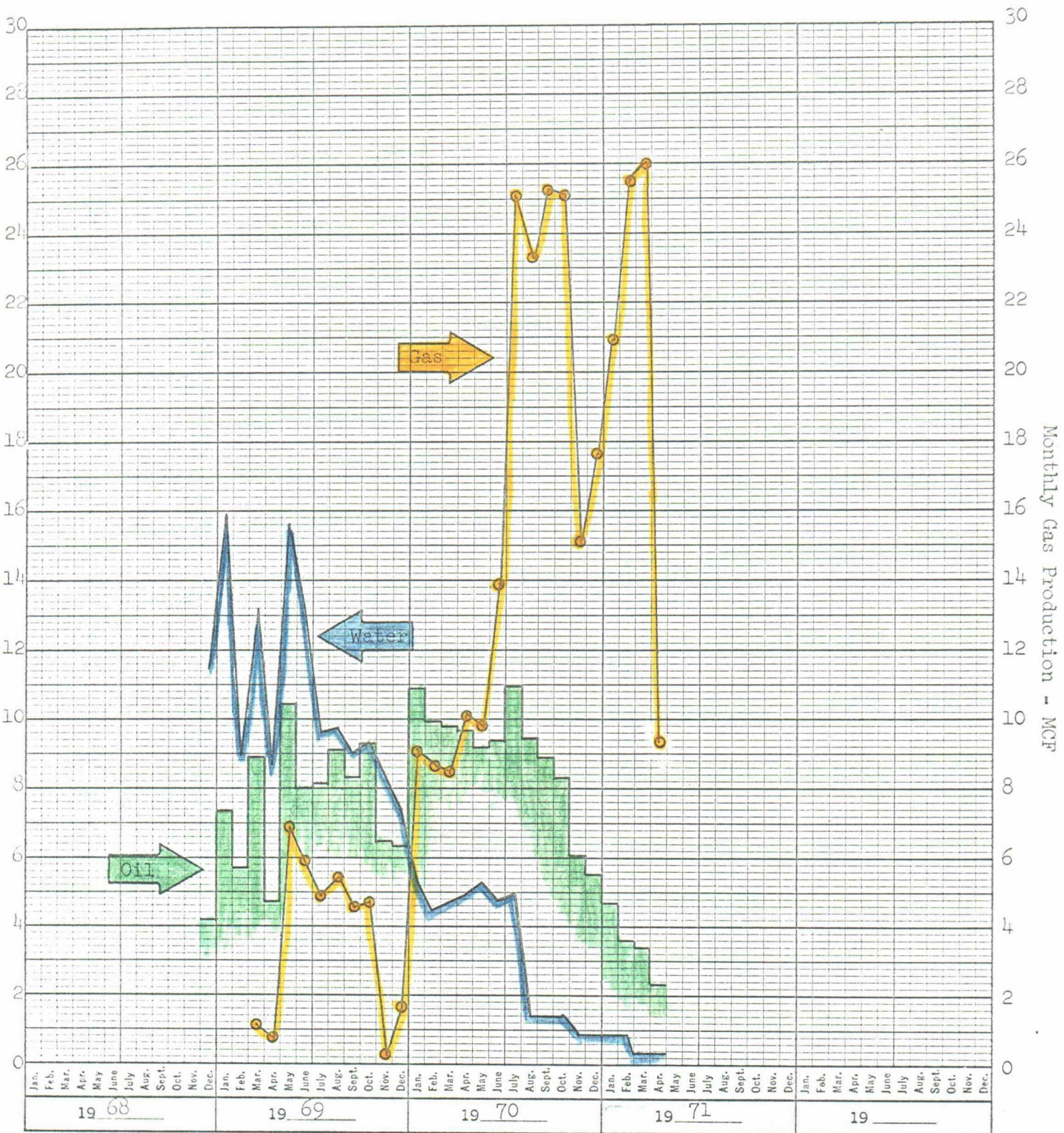
EXHIBIT NO. 7  
 CASE NO. 4555



BTA Oil Producers  
 687 Davis Lease  
 Vada Pool  
 1 Well

Monthly Oil & Water Production  
 1,000 Bbls

K&S 5 YEARS BY MONTHS 46 3413  
 X 150 DIVISIONS  
 MADE IN U.S.A.  
 KEUFFEL & ESSER CO.



Cumulative to 12-1-70:  
 Oil 187,112 Bbls  
 Gas 210,539 MCF  
 Water 153,628 Bbls

Cumulative to 5-1-71:  
 Oil 206,732 Bbls  
 Gas 309,981 MCF  
 Water 157,181 Bbls

**EXHIBIT 8**  
**CASE NO. 4555**



BEFORE EXAMINER NUTTER  
OIL CONSERVATION COMMISSION  
EXHIBIT NO. 8  
CASE NO. 4555

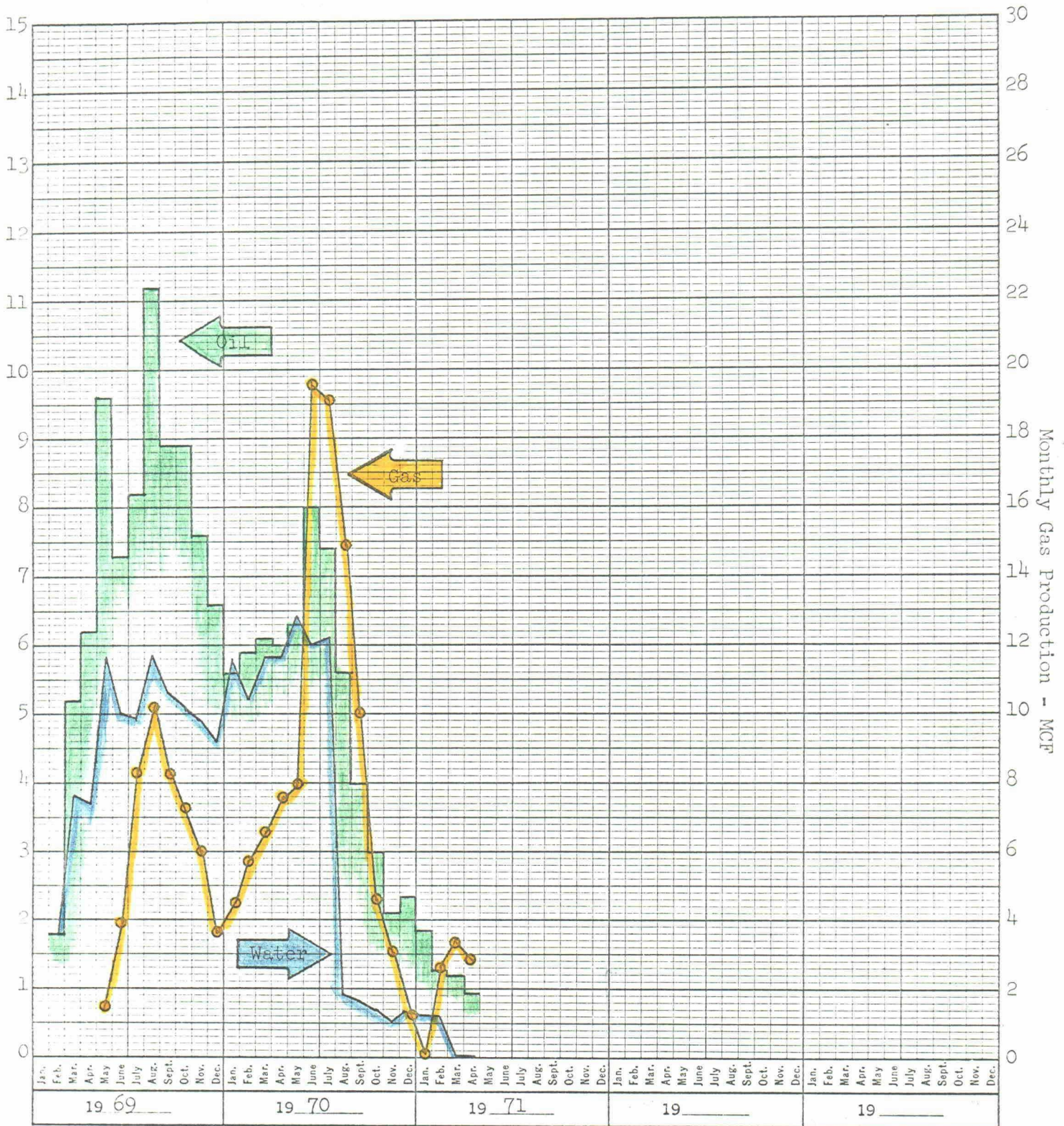


BTA Oil Producers  
687 Allyn Lease  
Vada Pool  
1 Well

Monthly Oil & Water Production  
1,000 Bbls

K&E 5 YEARS BY MONTHS 46 3413  
X 150 DIVISIONS  
MADE IN U.S.A.  
KEUFFEL & ESSER CO.

Monthly Gas Production - MCF



Cumulative to 12-1-70:  
Oil 128,621 Bbls  
Gas 152,629 MCF  
Water 85,625 Bbls

Cumulative to 5-1-71:  
Oil 136,215 Bbls  
Gas 162,626 MCF  
Water 87,551 Bbls

**EXHIBIT 9**  
**CASE NO. 4555**



BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

EXHIBIT NO. 9

CASE NO. 4555

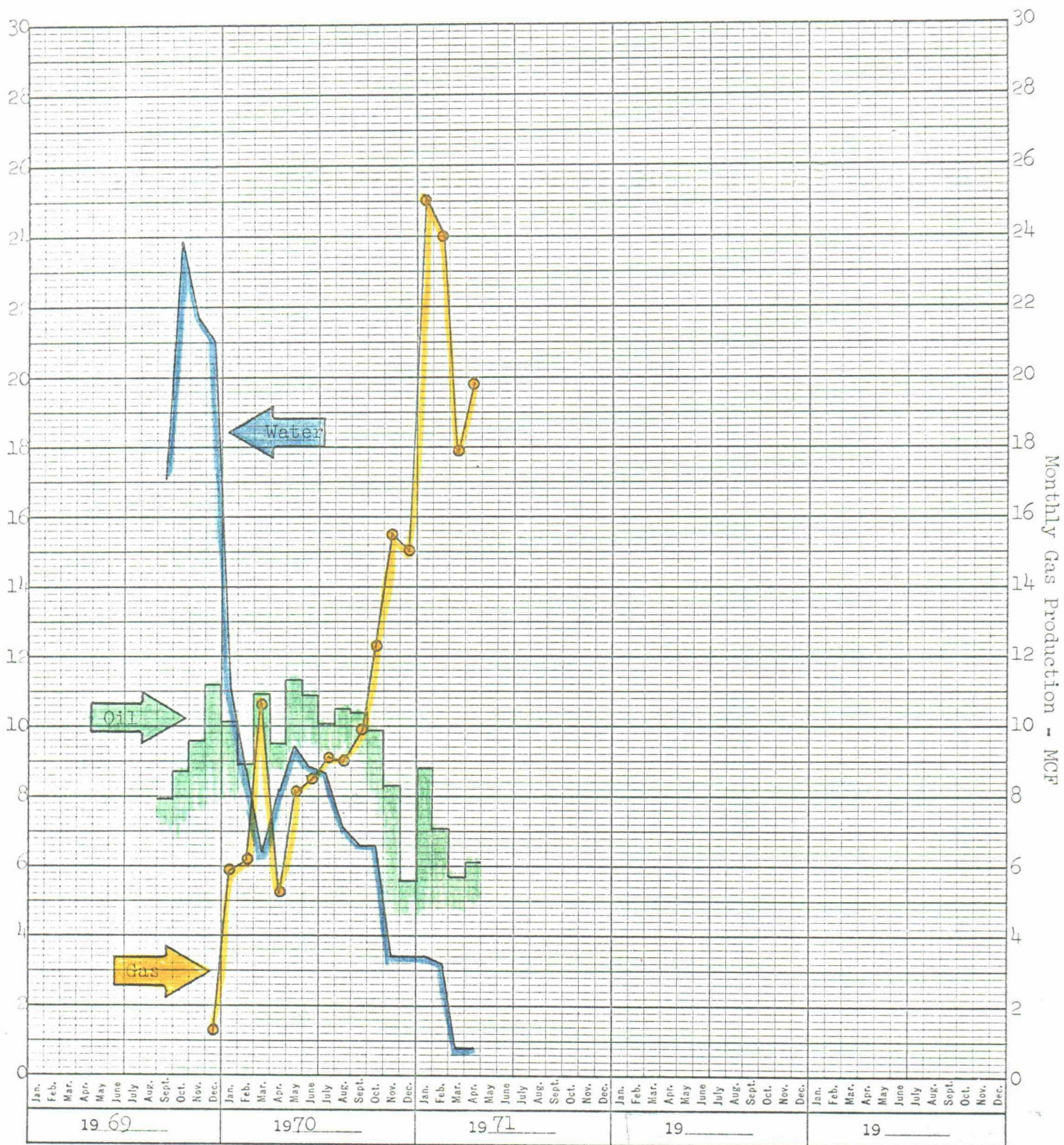
RECEIVED  
OCT 12 1955



Monthly Oil & Water Production  
1,000 Bbls

KE 5 YEARS BY MONTHS  
X 150 DIVISIONS  
MADE IN U.S.A.  
KEUFFEL & ESSER CO.

BTA Oil Producers  
691 Cash Lease  
Vada Pool  
1 Well



Cumulative to 12-1-70:  
Oil 148,181 Bbls  
Gas 102,033 MCF  
Water 168,785 Bbls

Cumulative to 5-1-71:  
181,561 Bbls  
203,792 MCF  
180,522 Bbls

**EXHIBIT 10**  
**CASE NO. 4555**



BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

EXHIBIT NO. 10

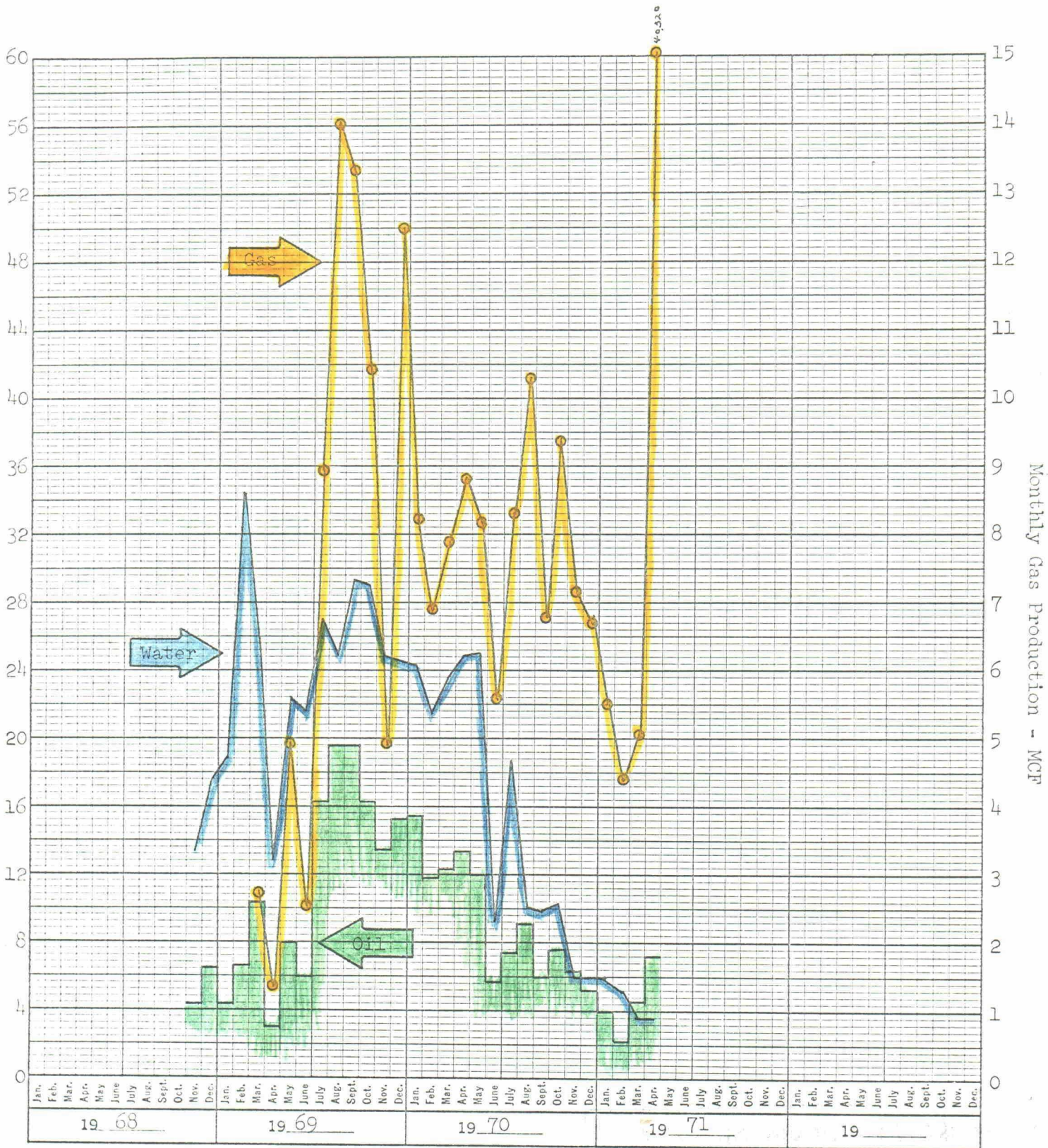
CASE NO. 4555



Monthly Oil & Water Production  
1,000 Bbls

KE 5 YEARS BY MONTHS 46 3413  
X 150 DIVISIONS  
MADE IN U.S.A.  
KEUFFEL & ESSER CO.

BTA Oil Producers  
686 Harris Lease  
Vada Pool  
2 Wells



Cumulative to 12-1-70:  
Oil 257,957 Bbls  
Gas 163,295 MCF  
Water 509,210 Bbls

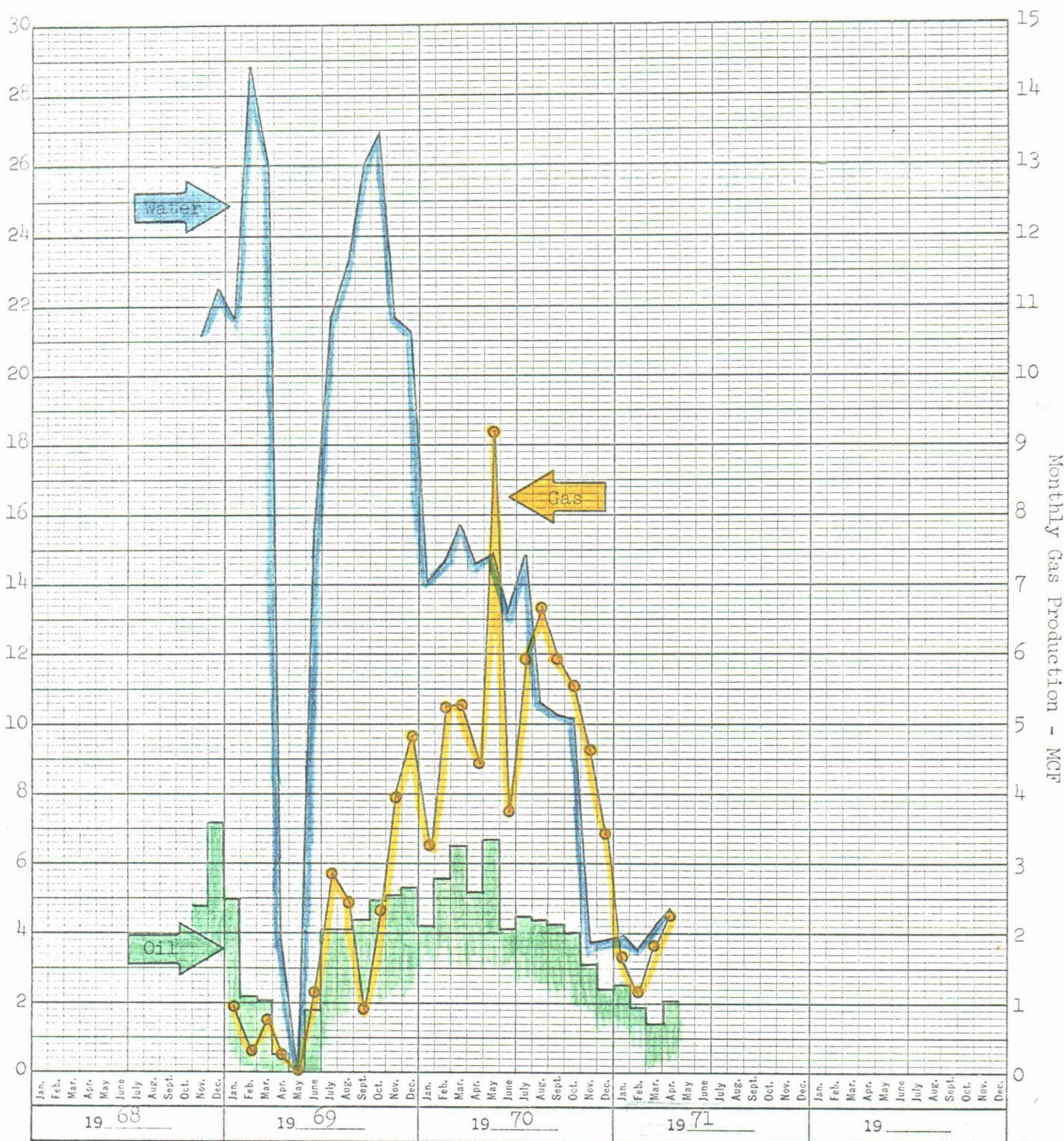
Cumulative to 5-1-71:  
Oil 281,279 Bbls  
Gas 225,321 MCF  
Water 533,249 Bbls

**EXHIBIT 11**  
**CASE NO. 4555**

BEFORE EXAMINER NUTTER  
OIL CONSERVATION COMMISSION  
EXHIBIT NO. 11  
CASE NO. 4555



BTA Oil Producers  
687 Trice Lease  
Vada Pool  
1 Well



Cumulative to 12-1-70:  
Oil 104,299 Bbls  
Gas 80,895 MCF  
Water 417,220 Bbls

Cumulative to 5-1-71:  
Oil 114,614 Bbls  
Gas 91,264 MCF  
Water 437,618 Bbls

**EXHIBIT 12**  
**CASE NO. 4555**

BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

EXHIBIT NO. 12

CASE NO. 4555-HA

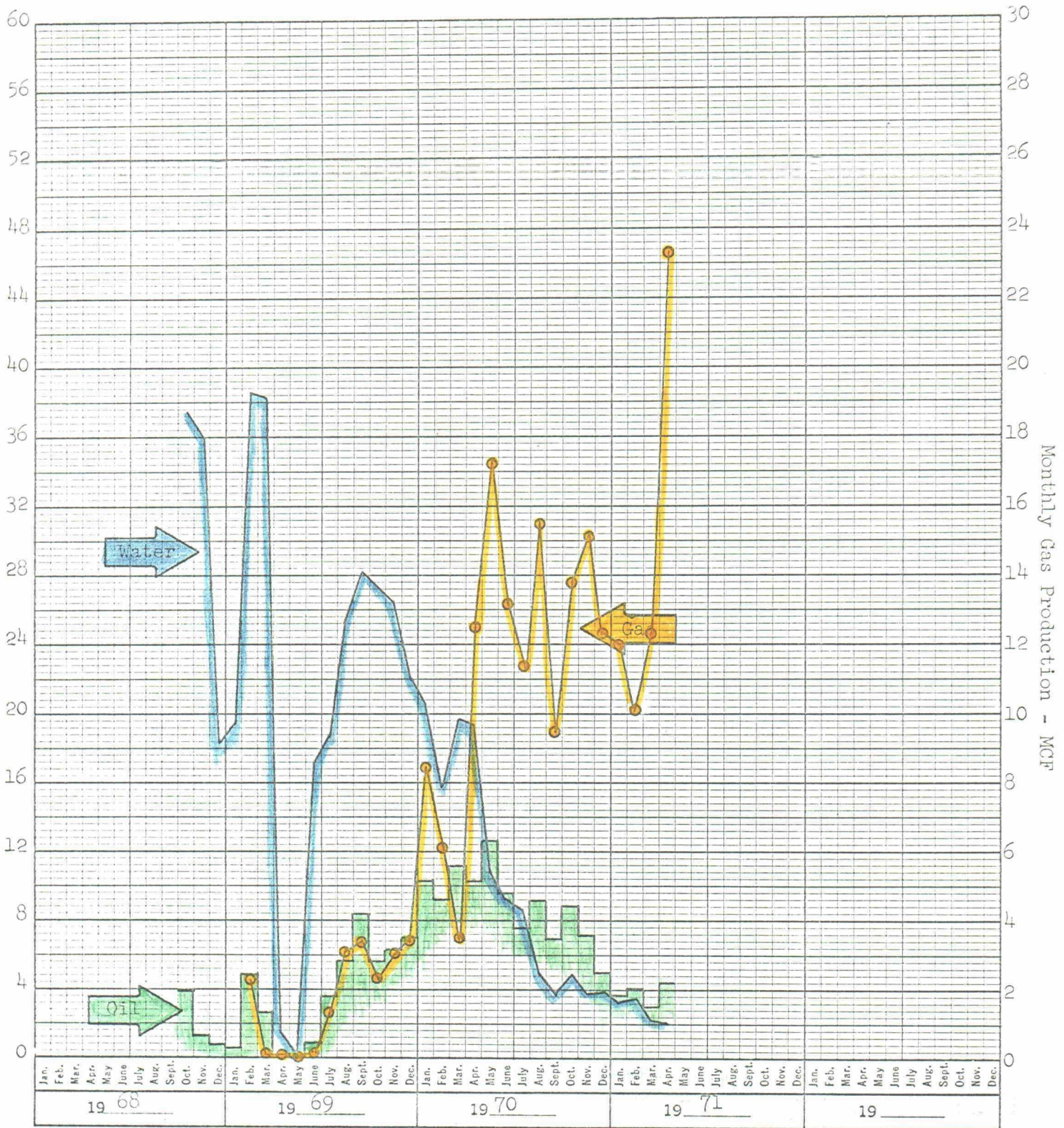
OFFICE OF THE EXAMINER



BTA Oil Producers  
686 Walker Lease  
Vada Pool  
1 Well

Monthly Oil & Water Production  
1,000 Bbls

KE 5 YEARS BY MONTHS 46 3413  
X 150 DIVISIONS  
MADE IN U.S.A.  
KEUFFEL & ESSER CO.



Cumulative to 12-1-70:  
Oil 155,024 Bbls  
Gas 145,181 MCF  
Water 476,019 Bbls

Cumulative to 5-1-71:  
Oil 175,300 Bbls  
Gas 215,494 MCF  
Water 491,099 Bbls

**EXHIBIT 13**  
**CASE NO. 4555**

BEFORE EXAMINER NUTTER  
OIL CONSERVATION COMMISSION  
EXHIBIT NO. 13  
CASE NO. 4555-122

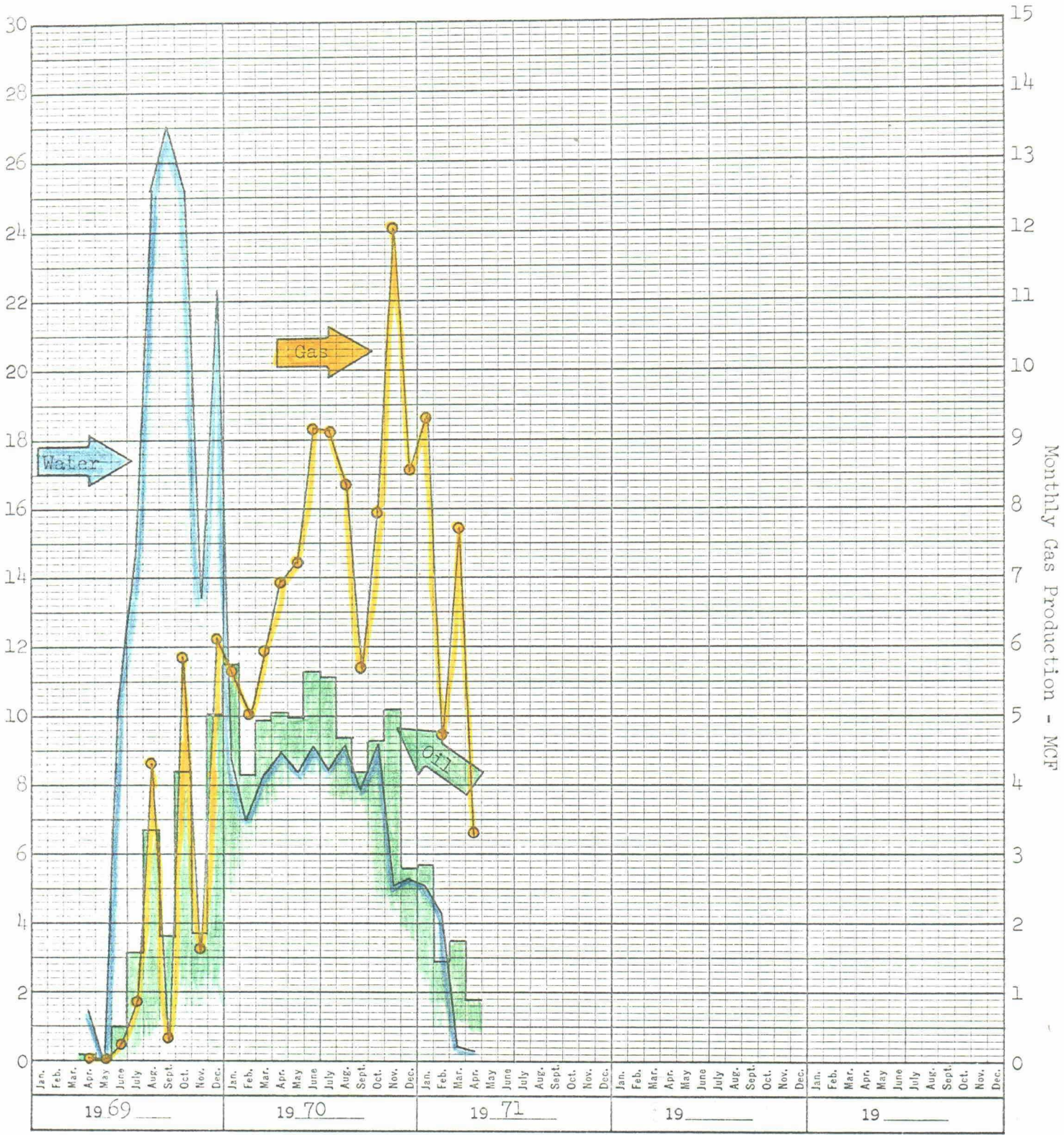
CASE NO. 4555-122



BTA Oil Producers  
 686 Oliver Lease  
 Vada Pool  
 1 Well

Monthly Oil & Water Production  
 1,000 Bbls

KE 5 YEARS BY MONTHS  
 X 150 DIVISIONS  
 MADE IN U.S.A. •  
 KEUFFEL & ESSER CO.



|                        |                       |
|------------------------|-----------------------|
| Cumulative to 12-1-70: | Cumulative to 5-1-71: |
| Oil 146,600 Bbls       | 166,256 Bbls          |
| Gas 102,587 MCF        | 136,203 MCF           |
| Water 230,206 Bbls     | 245,653 Bbls          |

**EXHIBIT 14**  
**CASE NO. 4555**

BEFORE EXAMINER NUTTER  
OIL CONSERVATION COMMISSION  
EXHIBIT NO. 14  
CASE NO. 4555-1000

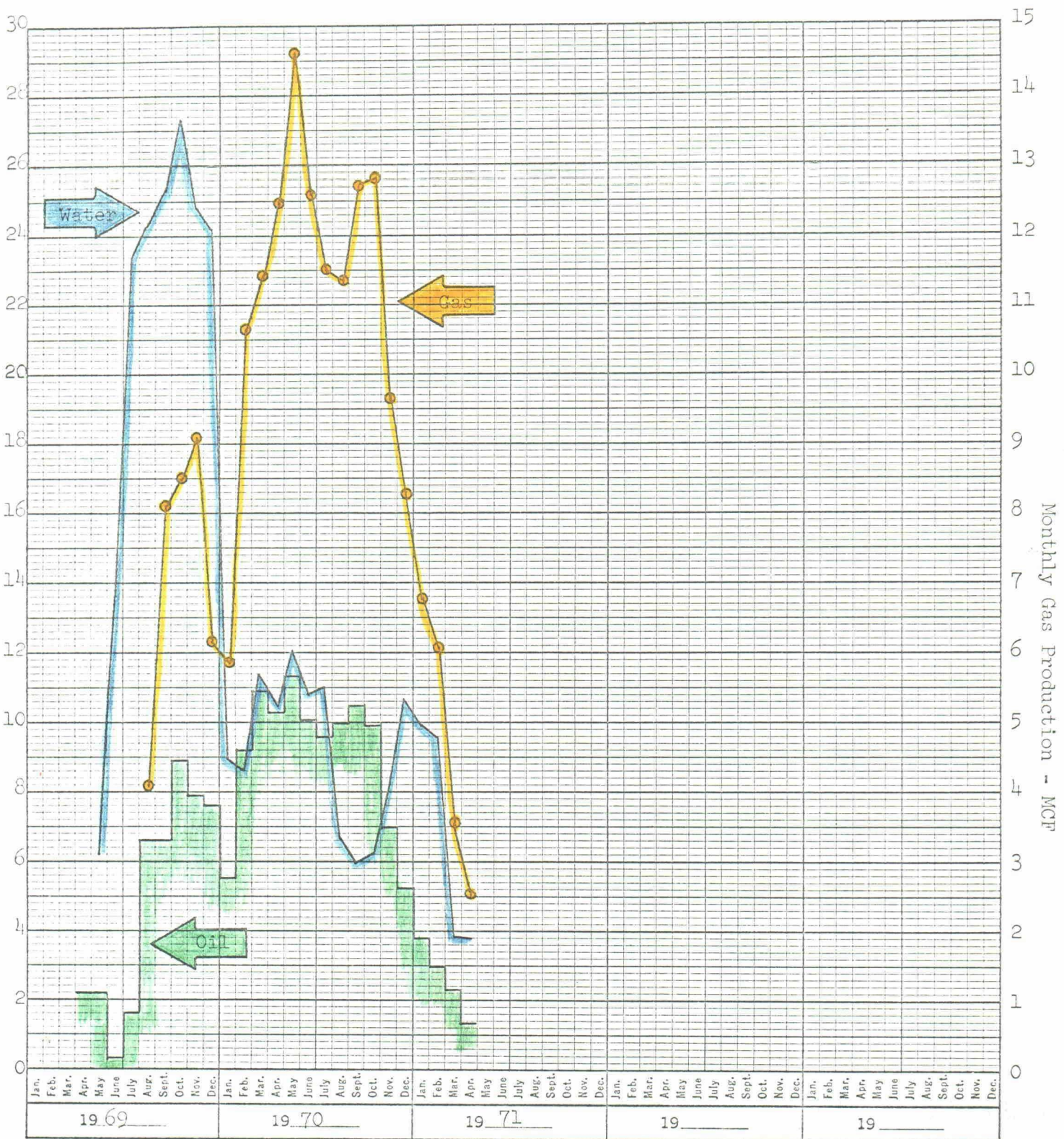
0004 .OH 22AO



BTA Oil Producers  
 686 Hanagan Lease  
 Vada Pool  
 1 Well

Monthly Oil & Water Production  
 1,000 Bbls

KE 5 YEARS BY MONTHS 46 3413  
 X 150 DIVISIONS  
 KEUFFEL & ESSER CO.



Cumulative to 12-1-70:  
 Oil 148,798 Bbls  
 Gas 161,581 MCF  
 Water 275,873 Bbls

Cumulative to 5-1-71:  
 Oil 164,486 Bbls  
 Gas 188,789 MCF  
 Water 313,716 Bbls

**EXHIBIT 15**  
**CASE NO. 4555**

BEFORE EXAMINER NUTTER

OIL CONSERVATION CLASSIC

EXHIBIT NO. 15

CASE NO. 4555

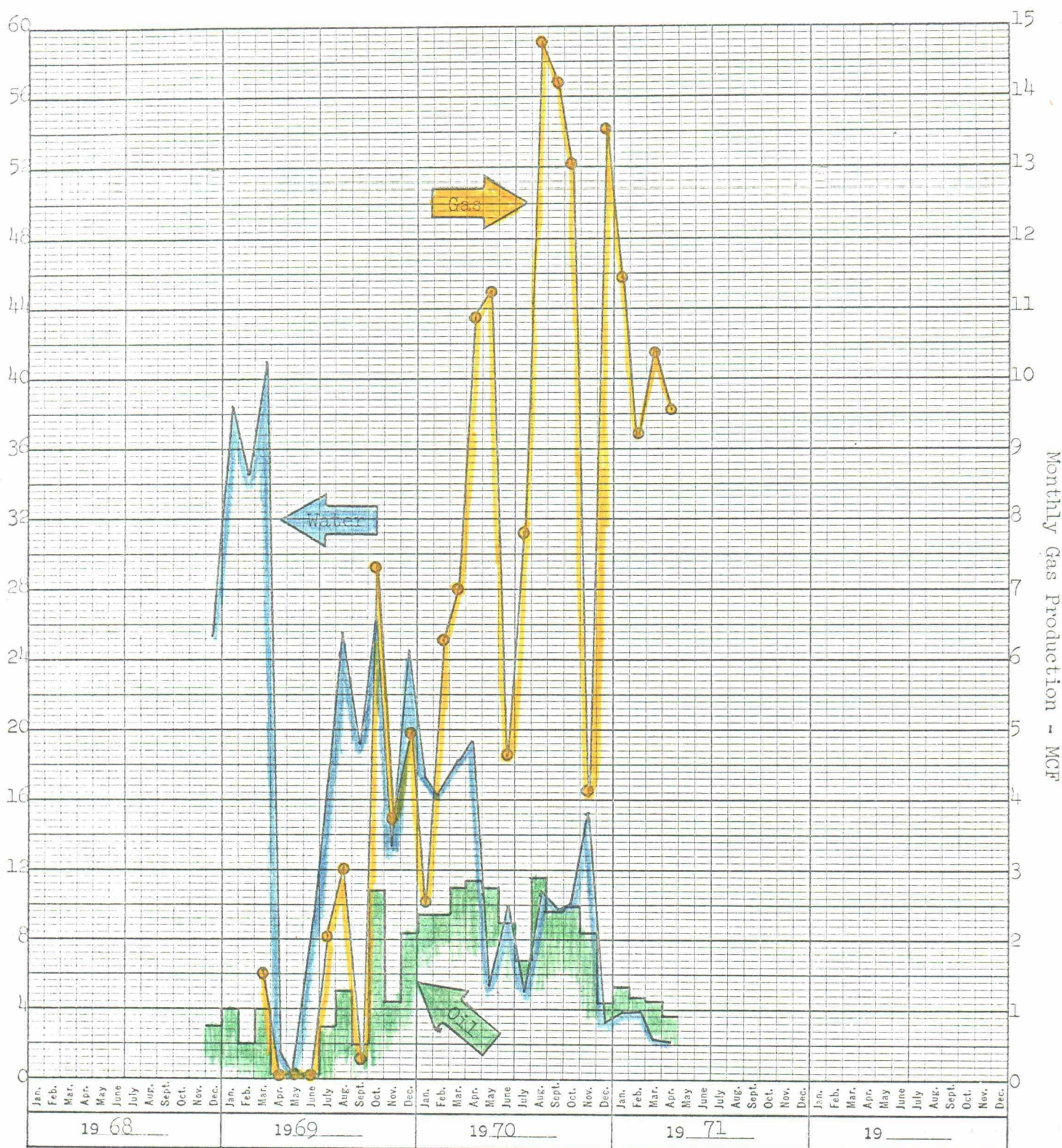
CHINA ON 1880



BTA Oil Producers  
687 Battles Lease  
Vada Pool  
1 Well

Monthly Oil & Water Production  
1,000 Bbls

K&E 5 YEARS BY MONTHS 46 3413  
X 150 DIVISIONS  
KEUFFEL & ESSER CO.



Cumulative to 12-1-70:  
Oil 148,511 Bbls  
Gas 119,376 MCF  
Water 339,749 Bbls

Cumulative to 5-1-71:  
Oil 171,107 Bbls  
Gas 173,537 MCF  
Water 355,101 Bbls

**EXHIBIT 16**  
**CASE NO. 4555**

BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

EXHIBIT NO. 16

CASE NO. 4555

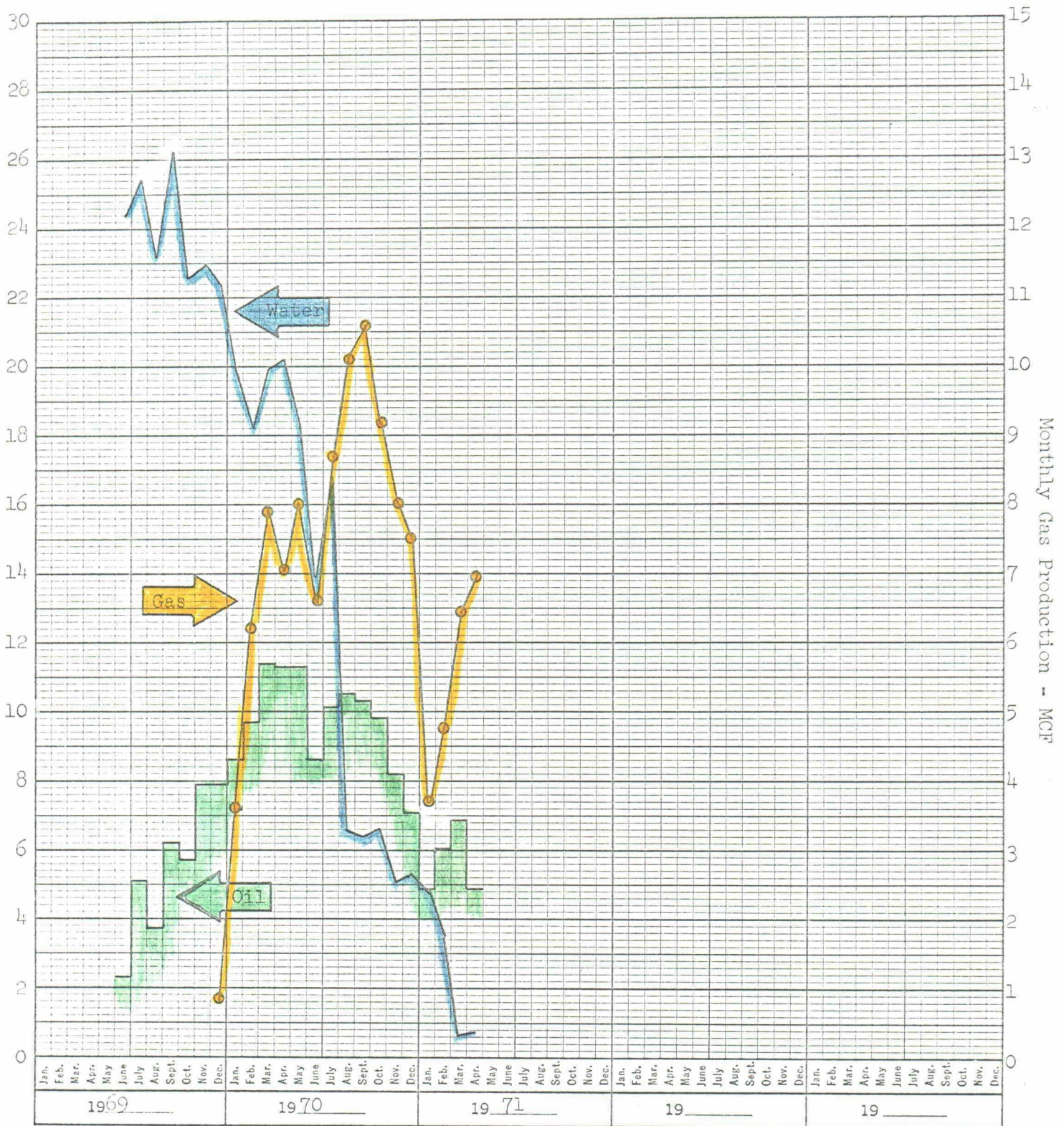


BTA Oil Producers  
687 Barnes Lease  
Vada Pool  
1 Well

Monthly Oil & Water Production  
1,000 Bbls

KE 5 YEARS BY MONTHS 46 3413  
X 150 DIVISIONS  
MADE IN U.S.A. •  
KEUFFEL & ESSER CO.

Monthly Gas Production - MCF



Cumulative to 12-1-70:  
Oil 148,508 Bbls  
Gas 86,719 MCF  
Water 319,316 Bbls

Cumulative to 5-1-71:  
Oil 178,406 Bbls  
Gas 116,128 MCF  
Water 334,193 Bbls

**EXHIBIT 17**  
**CASE NO. 4555**

BEFORE EXAMINER NUTTER

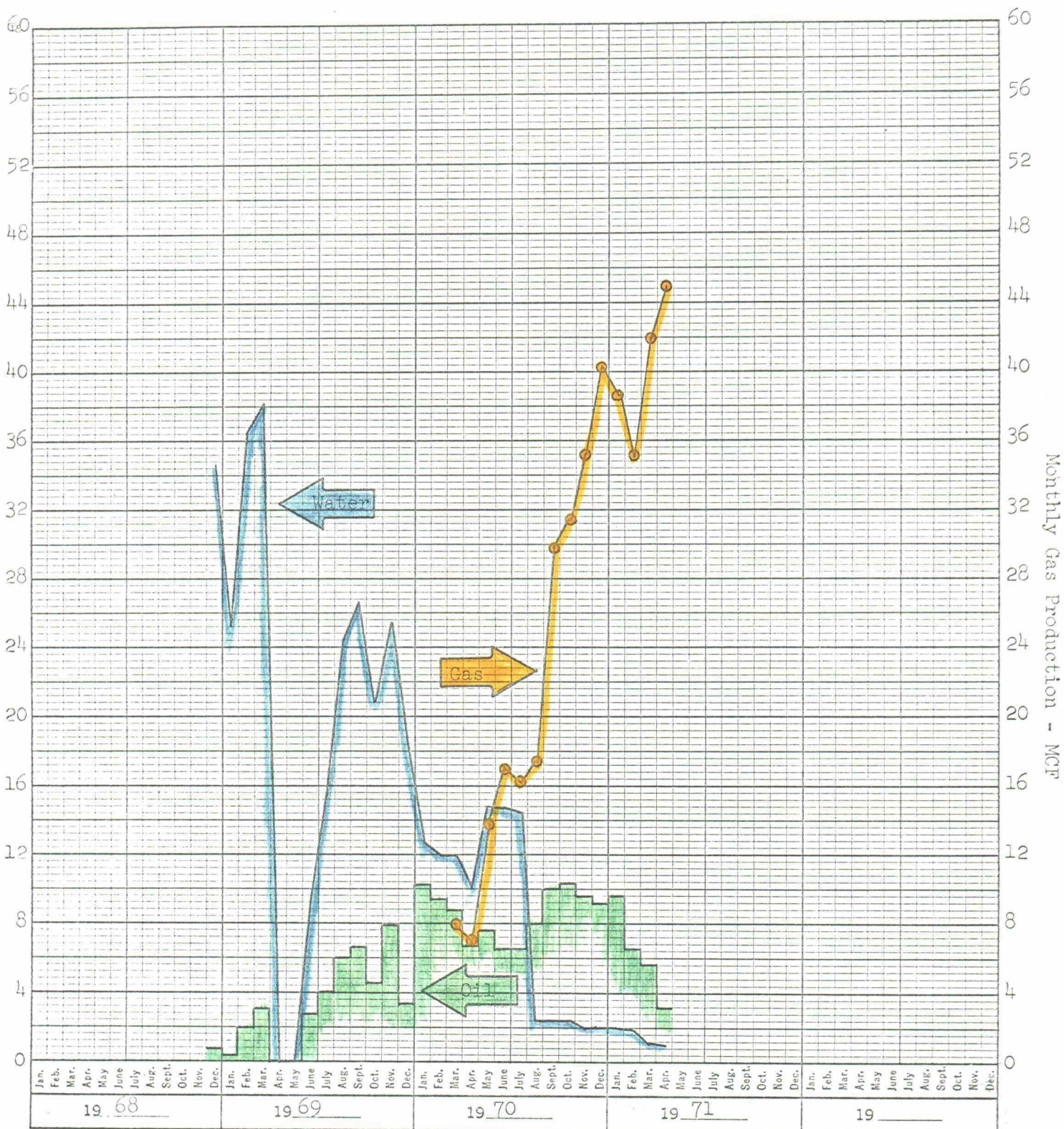
OIL CONSERVATION COMMISSION

EXHIBIT NO. 17

CASE NO. 4555



BTA Oil Producers  
686 KGS Lease  
Vada Pool  
1 Well



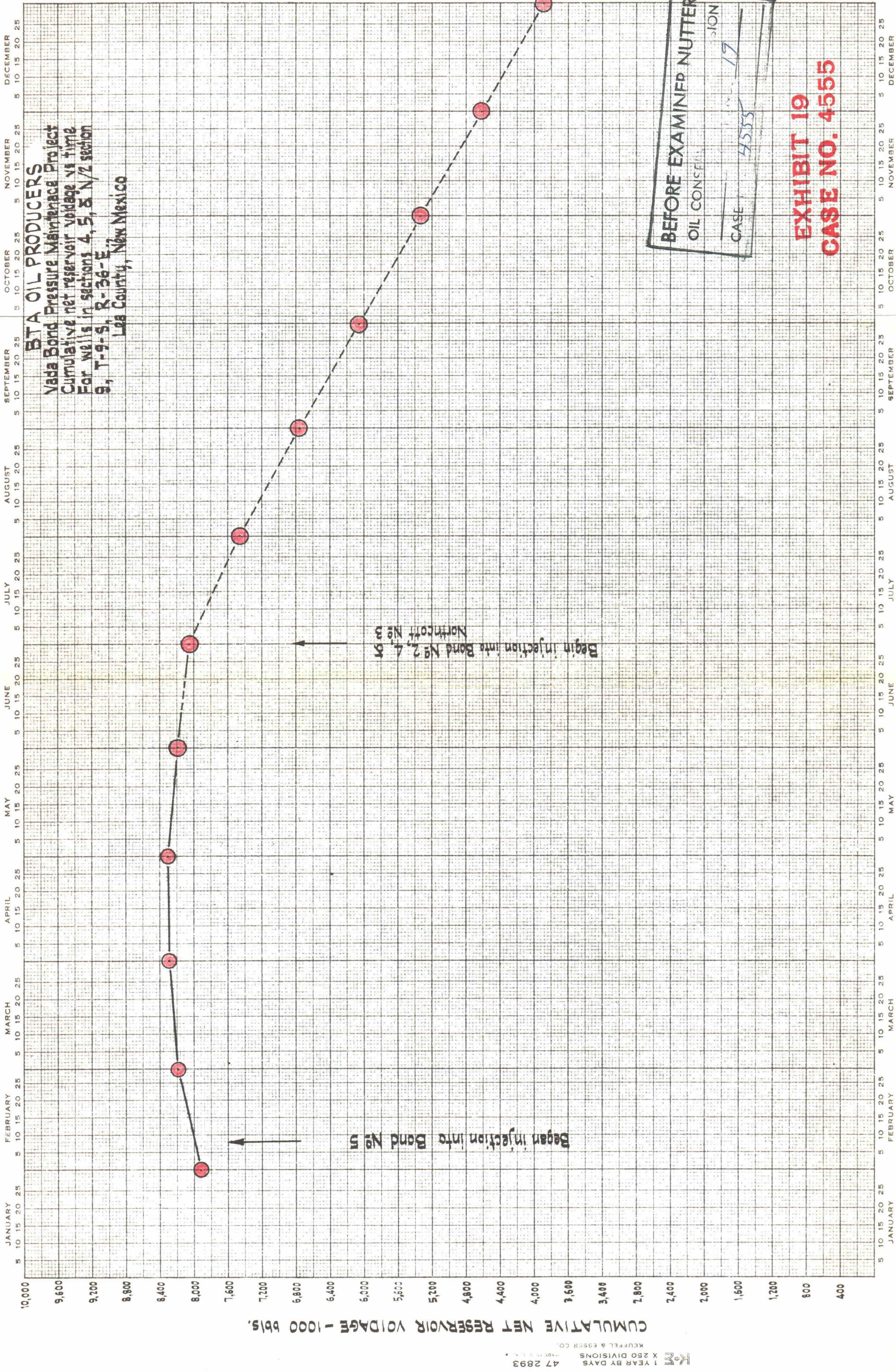
Cumulative to 12-1-70:  
Oil 136,151 Bbls  
Gas 175,412 MCF  
Water 375,379 Bbls

Cumulative to 5-1-71:  
Oil 170,528 Bbls  
Gas 376,461 MCF  
Water 383,813 Bbls

**EXHIBIT 18**  
**CASE NO. 4555**

BEFORE EXAMINER NUTTER  
OIL CONSERVATION COMMISSION  
CASE NO. 4555 EXHIBIT NO. 18  
DATE 10/1/54







BTA OIL PRODUCERS

VADA BOND PRESSURE MAINTENANCE PROJECT AREA

LIST OF BOUGH "D" DST

Magnolia - Walker Federal #1-H  
Unit M - Sec. 6-9S-36E

6/50 Bo C 9866 + 50 (9916) + 150 (10016)

DST 9928-58  
TO - 2 hrs rec 1684' SW  
No pressures

DST 9984-10,016  
TO - 2 hrs rec 60' mud + 5760' SW no shows  
FSIP - 3800#

BTA Oil Producers - Bond #4  
Unit I - Sec. 4-9S-36E

10/68 Bo C 9814 + 50 (9864) + 150 (9964)

DST 9781-9882  
TO - 1 hr 11 min rec 7510' SW no shows  
60M FSIP - 3547#

Cactus Drlg. Co. - Sunray St. A #2  
Unit H - Sec. 2-9S-36E

5/59 Bo C 9644 + 50 (9694) + 150 (9794)

DST 9740-9815  
TO - 75 min rec 7800' SW no shows  
30M FSIP - 3648#

Magnolia - Cox Federal #2  
Unit D - Sec. 12-9S-36E

5/56 Bo C 9672 + 50 (9722) + 150 (9822) .

DST 9793-9813  
TO - 2½ hrs rec 7830' SW no shows  
30M FSIP - 3695#

Magnolia - Santa Fe #1-C  
Unit F - Sec. 21-9S-36E

7/50 Bo C 9770 + 50 (9820) + 150 (9920)

DST 9838-9846  
TO - 2 hrs rec 3123' SW no shows  
SIP - 3650#

Forest Oil - Federal-Warren #1  
Unit D - Sec. 17-9S-36E

4/50 Bo C 9678 + 50 (9728) + 150 (9828)

DST 9761-9776  
TO - 2 hrs rec 1380' SW no shows  
No pressures

|                             |         |
|-----------------------------|---------|
| BEFORE EXAMINER NUTTER      |         |
| OIL CONSERVATION COMMISSION |         |
| EX                          | IND. 20 |
| CASE NO.                    | 4555    |

**EXHIBIT 20**  
**CASE NO. 4555**



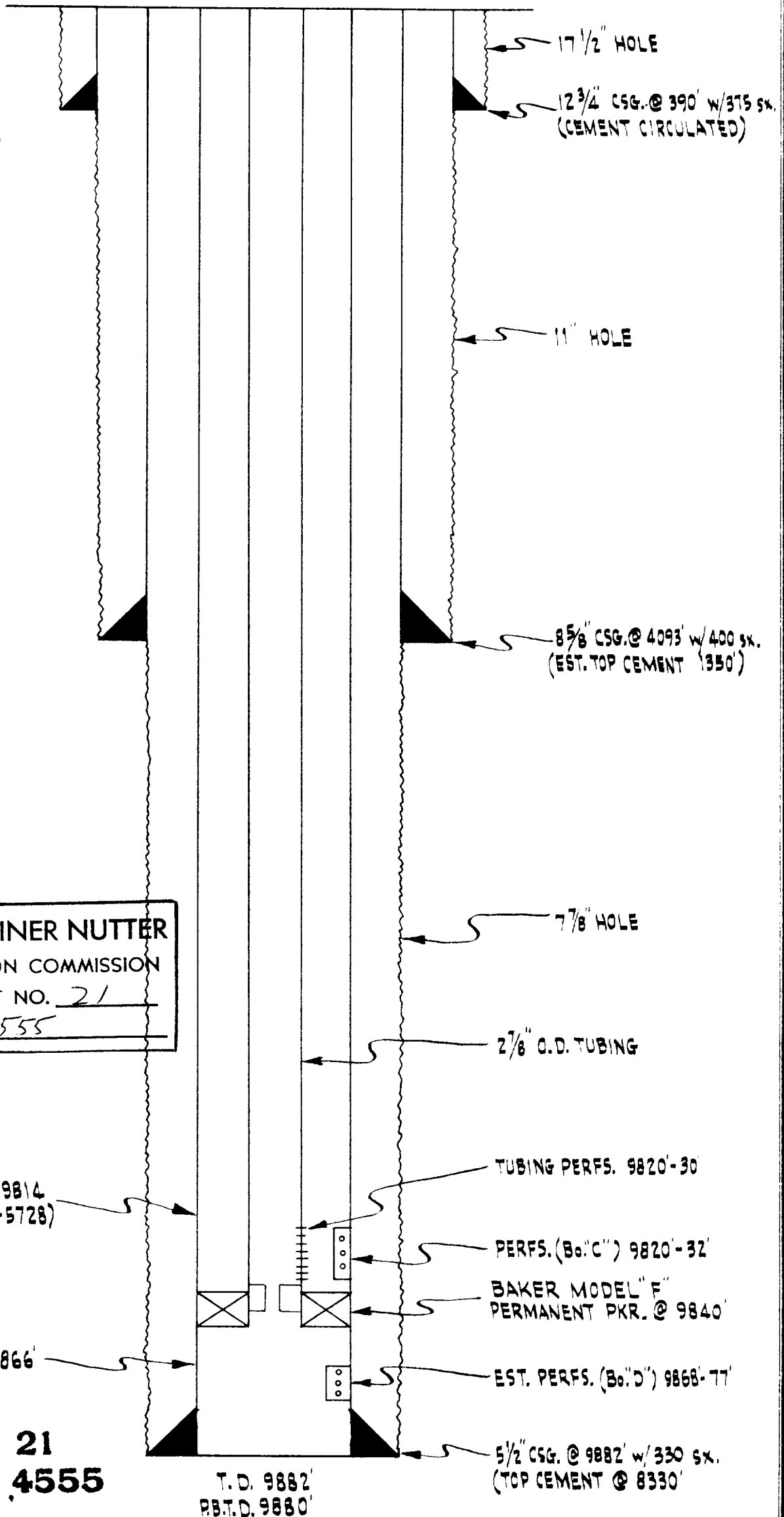
# DIAGRAMMATIC SKETCH FOR PROPOSED INJECTION WELL

BTA OIL PRODUCERS

685 LTD. BOND, N° 4

1980' FSL & 1980' FEL OF SECTION 4, T-9-S, R-36-E  
LEA COUNTY, NEW MEXICO

Elev. 4086' K.B.  
Spudded: 9-23-68  
Completed: 11-11-68



BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

EXHIBIT NO. 21

CASE NO. 4555

**EXHIBIT 21**  
**CASE NO. 4555**

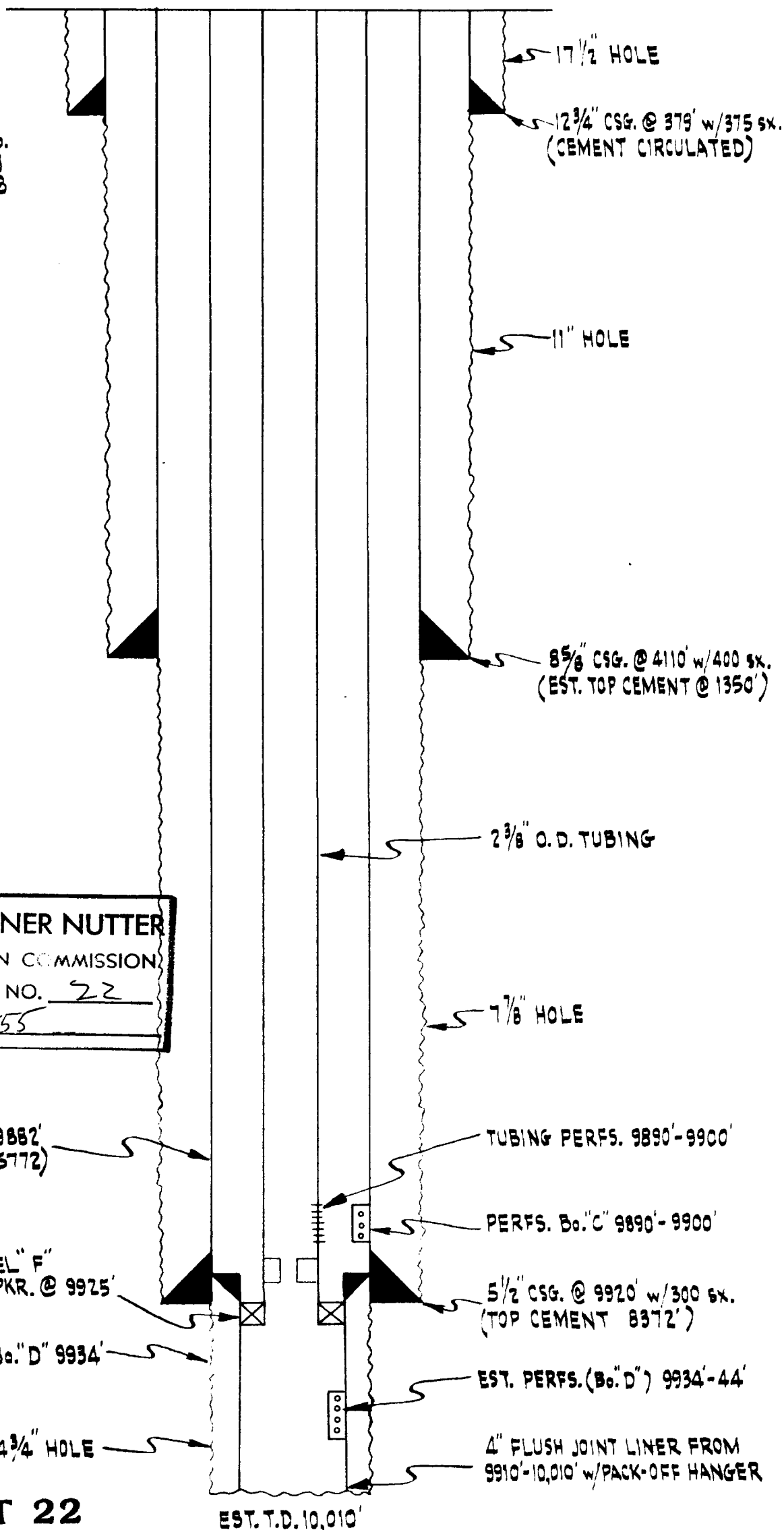
DIAGRAMMATIC SKETCH FOR PROPOSED INJECTION WELL

BTA OIL PRODUCERS

685 LTD. BOND, No 2

1980' FSL & 660' FWL OF SECTION 5, T-9-S, R-36-E  
LEA COUNTY, NEW MEXICO

Elev. 4110' K.B.  
Spudded: 8-20-68  
Completed: 9-29-68



BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

EXHIBIT NO. 22

CASE NO. 4555

EXHIBIT 22  
CASE NO. 4555



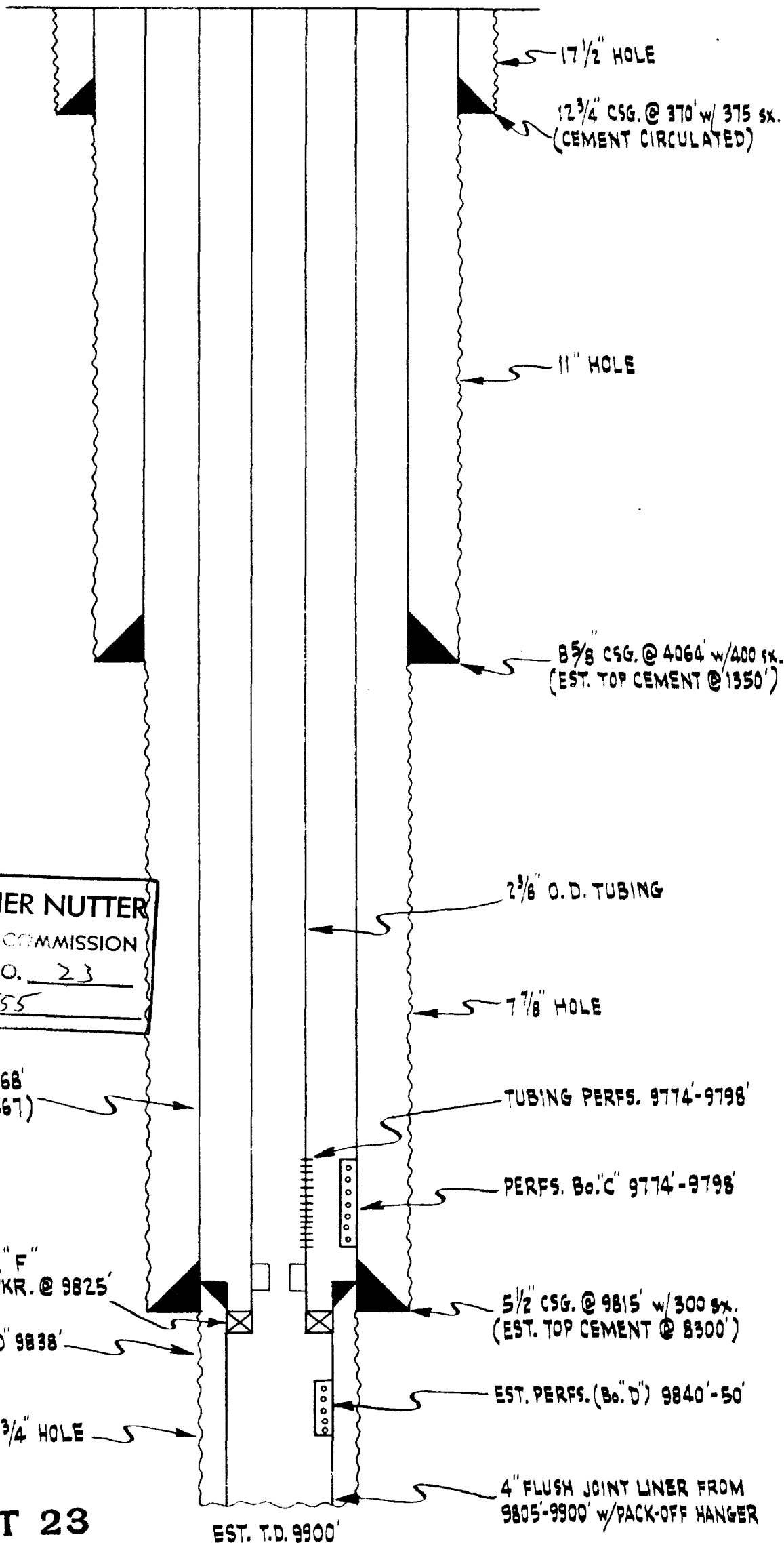
# DIAGRAMMATIC SKETCH FOR PROPOSED INJECTION WELL

BTA OIL PRODUCERS

685 LTD. NORTHCOTT, N° 3

660' FNL & 710' FEL OF SECTION 5, T-9-S, R-36-E  
LEA COUNTY, NEW MEXICO

Elev. 4101' K.B.  
Spudded: 3-11-69  
Completed: 5-4-69



BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

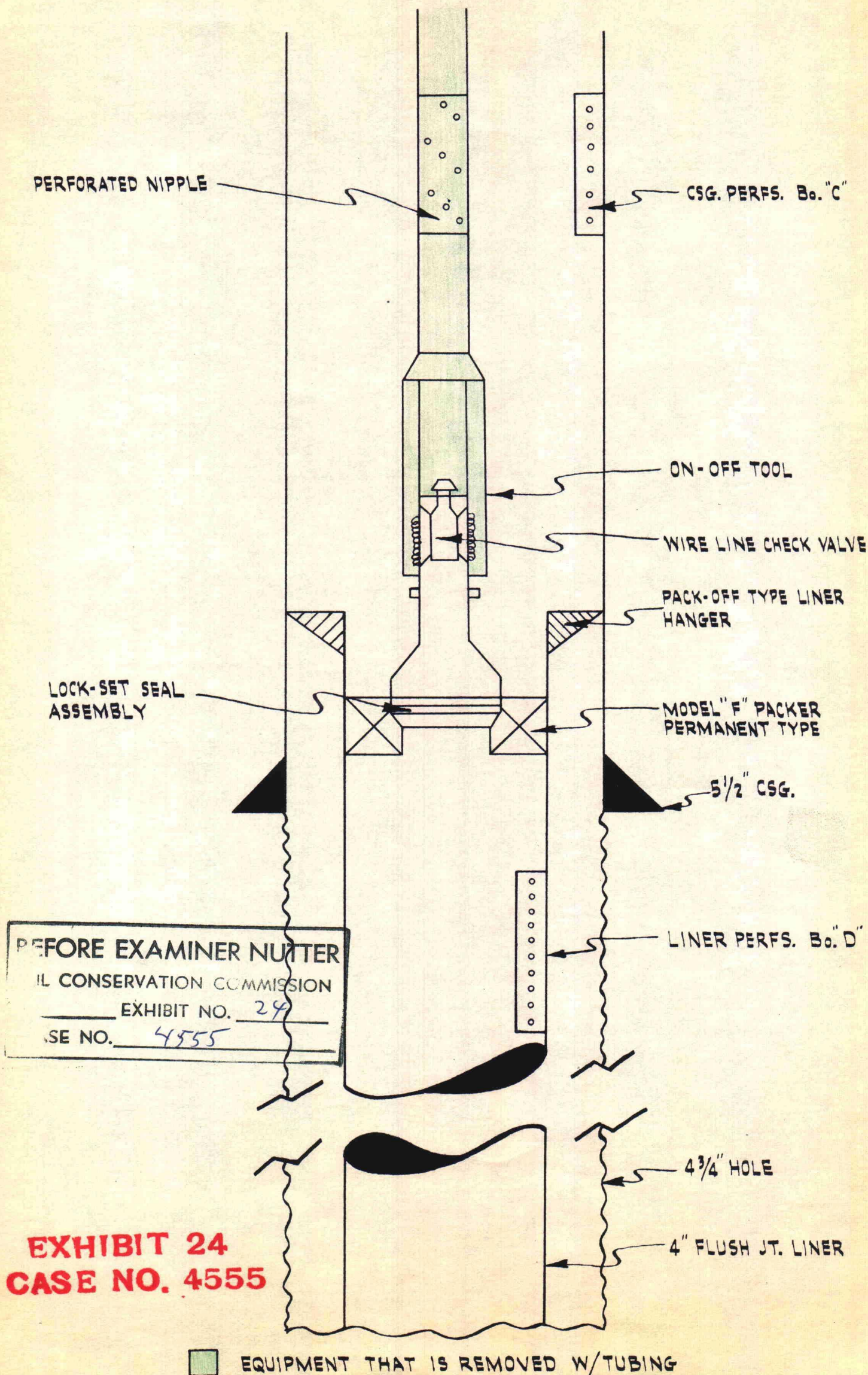
EXHIBIT NO. 23

CASE NO. 4555

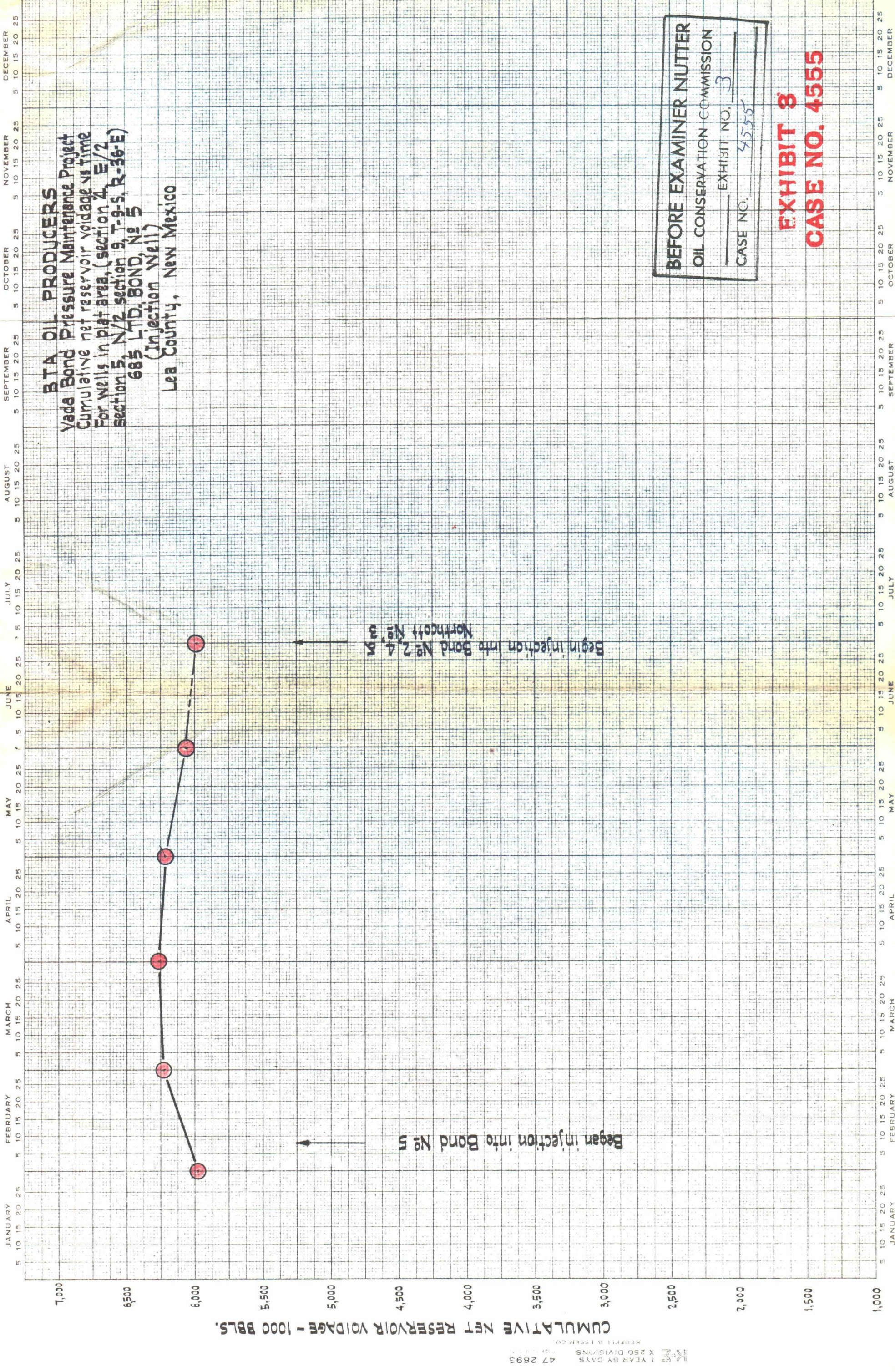
EXHIBIT 23  
CASE NO. 4555



**SCHEMATIC OF DOWNHOLE EQUIPMENT  
TYPICAL INJECTION WELL  
VADA BOND PRESSURE MAINTENANCE PROJECT**





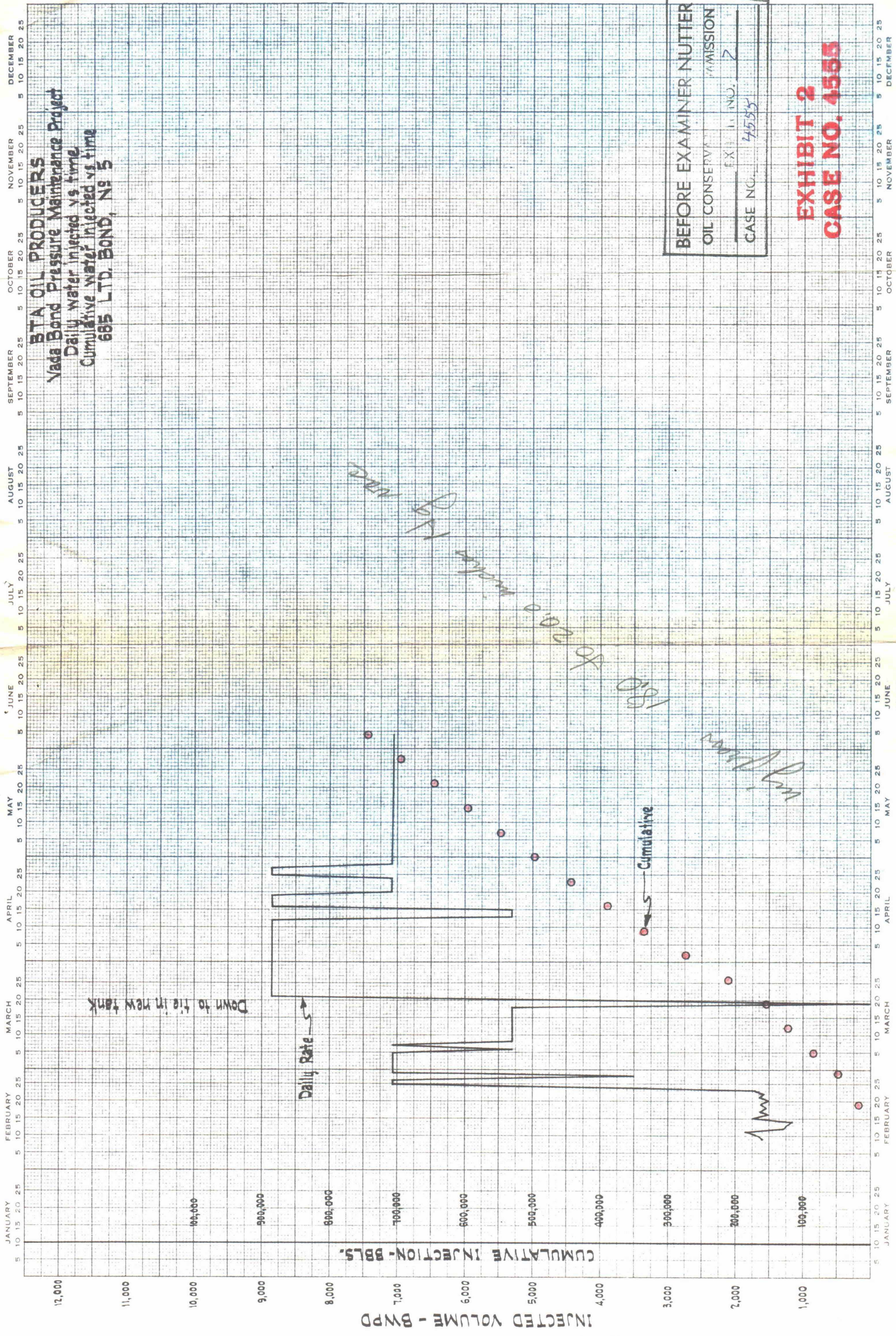


**BTA OIL PRODUCERS**  
**Vada Bond Pressure Maintenance Project**  
Cumulative net reservoir voidage vs time  
For wells in plat area, (section 4, E/2  
section 5, N/2 section 9, T-9-S, R-36-E)  
**685 LTD. BOND, No 5**  
**(Injection Well)**  
Lea County, New Mexico

**BEFORE EXAMINER NUTTER**  
**OIL CONSERVATION COMMISSION**  
EXHIBIT NO. 3  
CASE NO. 4555

**EXHIBIT 8**  
**CASE NO. 4555**





|                        |               |
|------------------------|---------------|
| BEFORE EXAMINER NUTTER |               |
| OIL CONSERVATION       | MISSION       |
| CASE NO.               | EXHIBIT NO. 2 |
| 4555                   | 4555          |

**EXHIBIT 2**

**CASE NO. 4555**