

WELL DATA

NORTH PADUCA-DELAWARE POOL

<u>OPERATOR-LEASE</u>	<u>WELL NO.</u>	<u>COMP DATE</u>	<u>COMPLETION INTERVAL</u>	<u>D.F. ELEV</u>	<u>STATUS</u>	<u>DATE</u>	<u>BO</u>	<u>BW</u>	<u>MCF</u>	<u>GOR</u>
TEXACO Inc. Cotton Draw Unit	69	11-26-67	4795'-4800'	3517'	P	5-69	200	300	700	3500
	*70	3-8-68	4764'-4774'	3506'	F	4-69	76	79	3334	43961
	*72	9-20-68	4766'-4774'	3510'	F	5-69	-	155	1148	-
	*73	12-28-68	4768'-4778'	3513'	F	5-69	-	310	4958	-

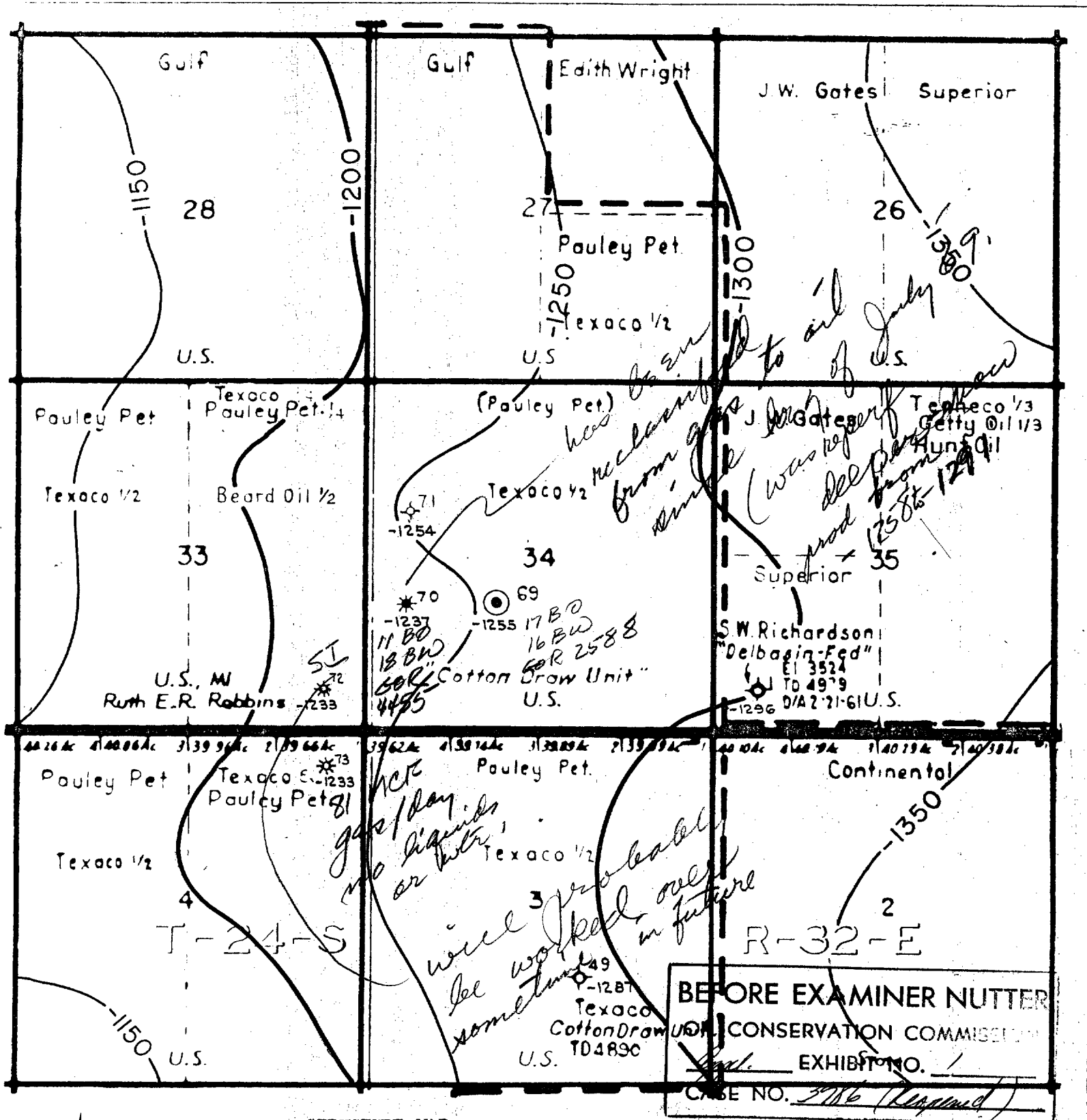
* Gas Well

BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

Tex EXHIBIT NO. 2

CASE NO. 3786



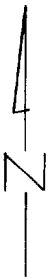
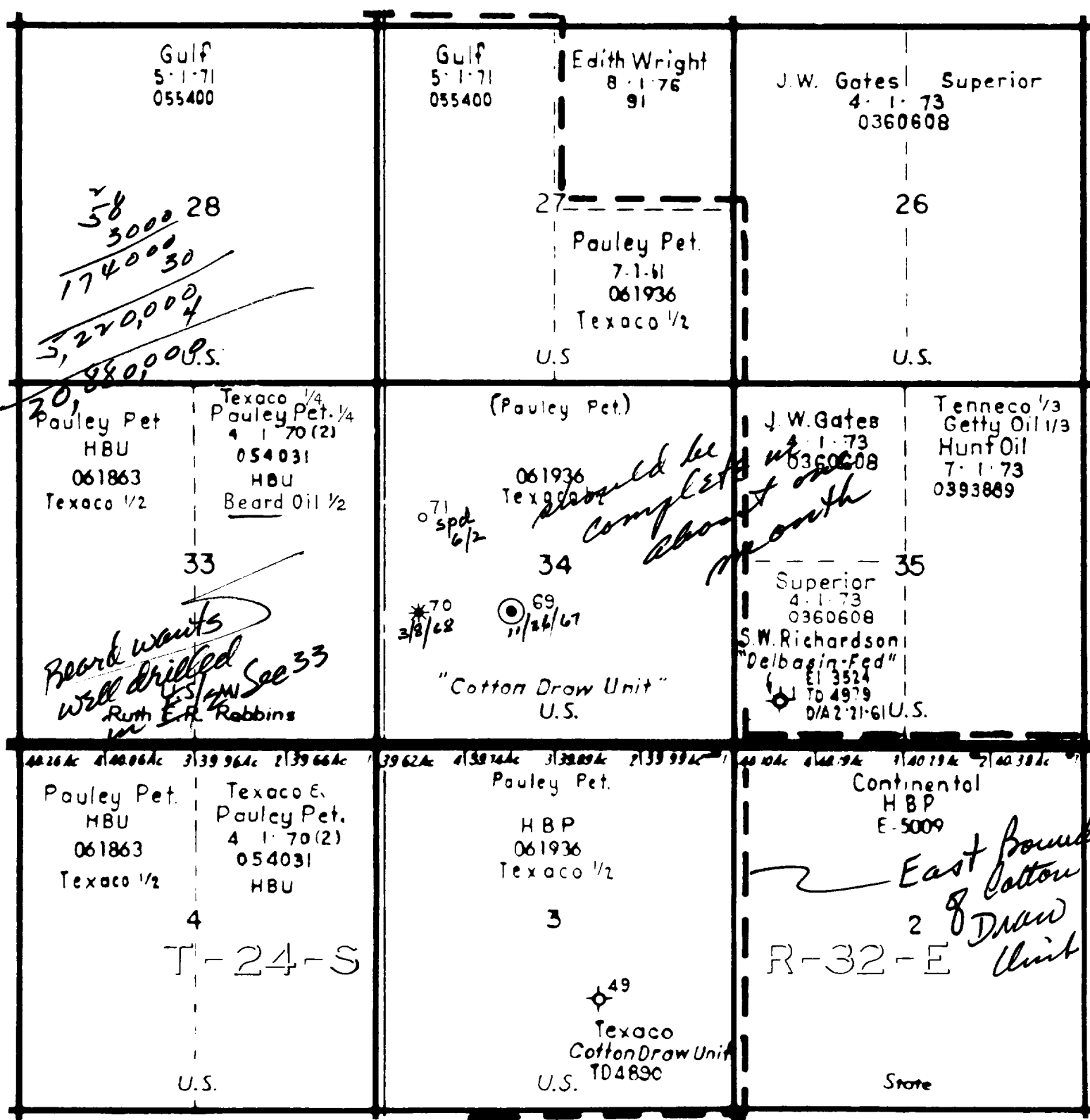
STRUCTURE MAP
OF A PORTION OF
THE
COTTON DRAW UNIT
CONTOURED ON
DELAWARE SAND
Contour Interval: 50'
By: BRH/FMR 7-2-69

TEXACO INC.

PADUCA NORTH DELAWARE POOL
Lea County, New Mexico

Scale: 1" = 2000'

May 28, 1968
Rev. 7-1-69



BEFORE EXAMINER NUTTER
 OIL CONSERVATION COMMISSION
April EXHIBIT NO. *1*
 CASE NO. *3786*

TEXACO INC.

PADUCA NORTH DELAWARE POOL
 Lea County, New Mexico
 Scale: 1" = 2000'
 May 28, 1968

SUMMARY OF PROPOSED RULES

1. 40 Acre Oil Well Spacing and 160 Acre Gas Well Spacing with administrative procedure for approval of non-standard gas proration units of less than 160 acres.
2. Gas Well defined as a well producing with a gas-oil ratio of 30,000 or more cubic feet of gas per barrel of oil and an Oil Well defined as a well producing with a gas-oil ratio of less than 30,000 cubic feet of gas per barrel of oil.
3. Simultaneous dedication of acreage to oil and gas wells prohibited.
4. Limiting gas-oil ratio of 3,000 cubic feet of gas per barrel of oil.
5. Gas Well Allowable equal to top oil well allowable times the limiting gas-oil ratio times a fraction, the numerator of which is the number of acres dedicated to the particular gas well and the denominator of which is 40.
6. Annual Gas-Oil Ratio tests shall be taken during July of each year and reported to the NMOCC on Form C-116 by August 10th of each year.
7. Balancing dates on production from gas wells to be January 1, and July 1 of each year.

BEFORE EXAMINER NUTTER	
OIL CONSERVATION COMMISSION	
<i>Case</i>	EXHIBIT NO. <u>2</u>
CASE NO.	<u>3786</u>

Basically patterned after Double X & Bebe where Pool rules major diff: Double X: 2000/1 " quarterly GOR tests.

SUMMARY OF RESERVOIR DATA
NORTH PADUCA POOL

Avg. porosity: 26.1% (log analysis)
Avg. permeability: 23md. (core analysis #69)
Avg. water saturation: 47.4% (log analysis)
Water-oil contact: -1290' (Est.)
Gas-oil contact: -1240' (Est.)
Avg. net effective pay thickness: 13' ✓
Oil gravity: 40.4° API ✓
Gas gravity: 0.826 (Air=1) ✓
Reservoir pressure: 1713 ✓
Type of reservoir: Stratigraphic Trap ✓
Producing Mechanism: Solution Gas Drive ✓

FIELD EXAMINER NUMBER
3786 4

WELL DATA
NORTH PADUCA POOL

-1278
-1283

<u>Operator - Lease</u>	<u>Well No.</u>	<u>Completion Date</u>	<u>Completion Interval</u>	<u>Elevation</u>	<u>Status</u>	<u>Date</u>	<u>Oil</u>	<u>Water</u>	<u>GOR</u>
TEXACO Inc. Cotton Draw Unit	69	11-26-67	4795' - 4800'	3517 D.F.	P	4-17-68	11	17	2,970
	70	3-8-68	4764' - 4774'	3506 D.F.	F	4-25-68	27	30	27,630

1258
1268

Est B-O cont
-1240

70 exactly
20' higher
than # 69

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Exhibit NO. 5
Case No. 3786

COTTON DRAW #69
COMPLETION AND TEST HISTORY

11-8-67 Perf w/2 jspf 4795' - 4800'. Swab 12 hrs. Rec 19 BLW, 12 BFW,
trace oil, good show gas.

11-10-67 Acidize w/500 gallons 15% NEA. Max P 900#. Min P 400#. ISIP 600#.
IR 1/2 BPM. Swab 3 hrs. Rec 33 BLW. SI 12 hrs.

11-11-67 Frac w/1500 gals ref oil w/1500# sand. Max 3800#. Min 3000#.
IR 6 BPM.

11-11 to
11-16-67 Swabbing load oil and formation water.

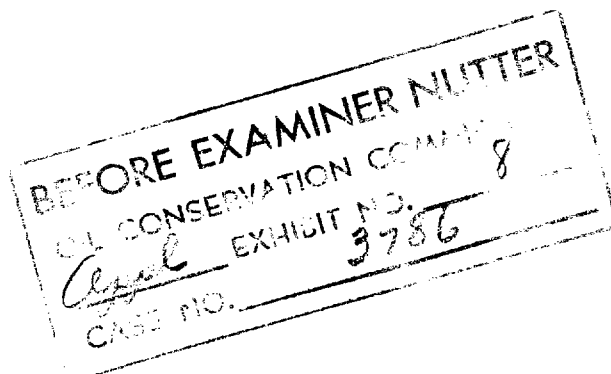
11-17-68 Swab 9 hrs. Rec 22 BLO + 9 BNO + 31 BFW.

11-23-67 Pump 24 hrs. Rec 20 BNO, 46 BFW, GOR 2400-1

11-29-67 On 24 hr Pot. Test Pump 23 BNO 38 BFW GOR 4410

1-5-68	Pump 24 hours	14 BO	6 BW	64 MCF	GOR 4571
4-4-68	Pump 24 hours	8 BO	15 BW	31.4 MCF	GOR 3925
4-17-68	Pump 24 hours	11 BO	17 BW	32.7 MCF	GOR 2970

Well now producing approximately 11 BOPD and 17 BWPD.



COTTON DRAW #70
COMPLETION AND TEST HISTORY

3-5-68 Perf w/2 jspf 4764' - 4774'
Treated w/100 gal mud acid, 250 gal kerosene, 500 gal SAF,
250 gal kerosene, 900 gal mud acid. Max 2800#. Min 900#
ISIP 700#. IR 2.3 BPM. Swb 12-1/2 hrs. Rec 56 BLW, 4 BNO
and 13 BFW. Flowed 3 hrs & died. Rec 3 BNO and 1 BFW.

3-7-68 Frac w/2000 gal ref oil, 2000# sand. Max 4500#. Min 4000#.
IR 4.6 B/M. ISIP 1200#. Flow 3 hrs. Swb 3-1/2 hrs. Flowed
17-1/2 hrs. Rec 73 BLO, 42 BNO and 17 BFW.

3-9-68 Flow 12 hrs OPT 63 BO 12 BW GOR 2750

4-3-68 Flow 24 hours 23 BO 30 BW 729 MCF GOR 31,696

4-4-68 Flow 24 hours 8 BO 36 BW 871 MCF GOR 108,875

4-5-68 Flow 24 hours 8 BO 41 BW 778 MCF GOR 97,250

4-6-68 Flow 24 hours 6 BO 39 BW 700 MCF GOR 116,667

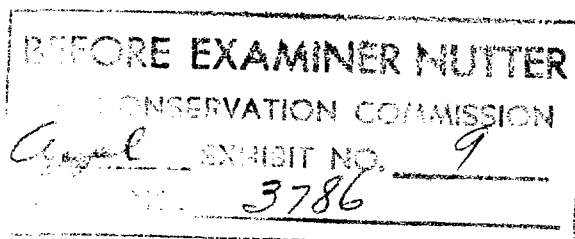
4-9-68 Flow 24 hours 8 BO 36 BW 656 MCF GOR 82,000

4-25-68 Flow 21 hours 27 BO 30 BW 746 MCF GOR 27,630

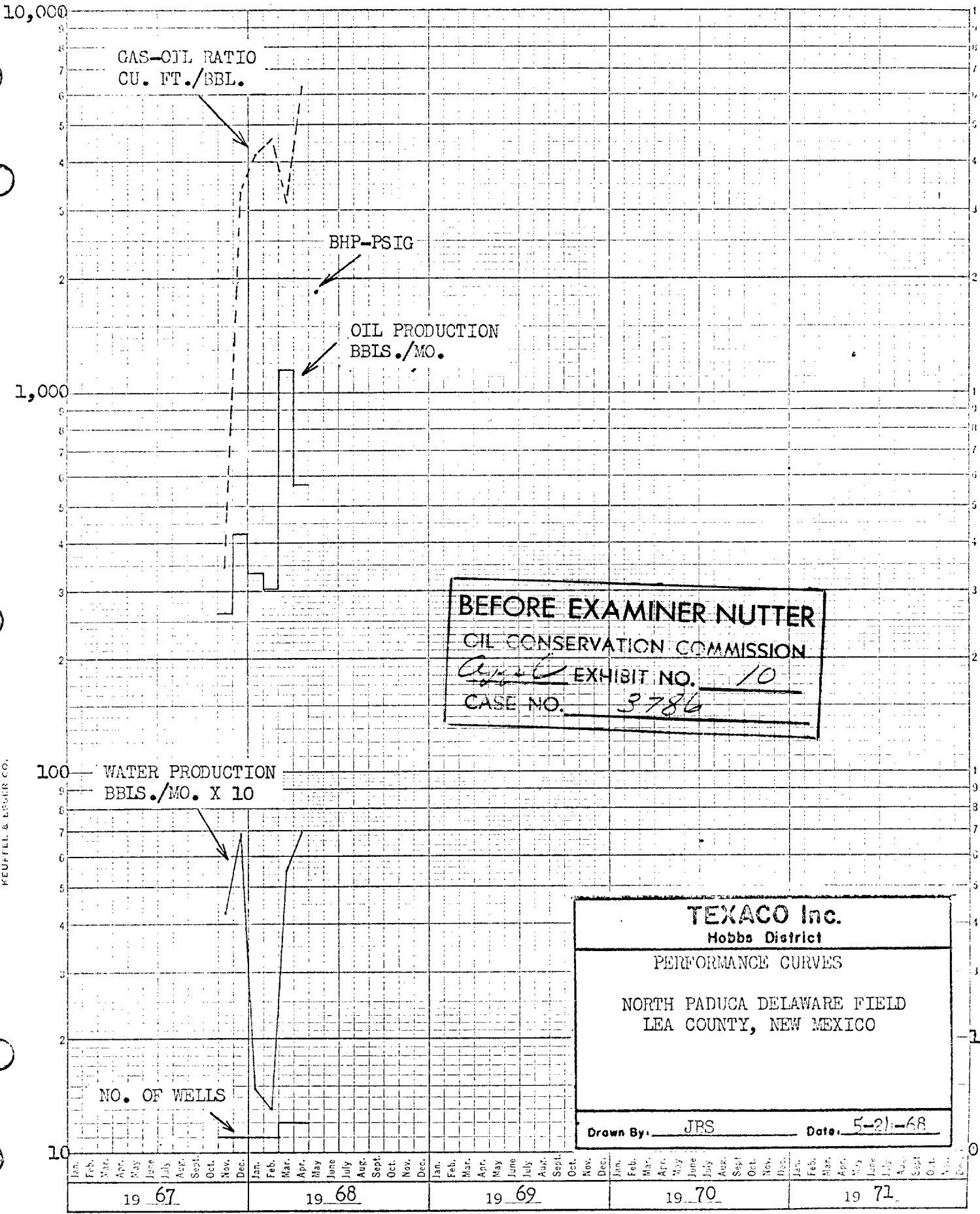
4-26-68 Flow 25 hours 15 BO 43 BW 623 MCF GOR 41,533

4-27-68 Flow 27 hours 10 BO 40 BW 589 MCF GOR 58,900

Well is currently produced once a week and averages 30 BO each
day it is produced.



DATE 5 YEARS BY MONTHS
PAGE X 3 LOG CYCLES
46 6690
MADE IN U.S.A.
KEUFFEL & ESSER CO.



NO. OF WELLS

NEW MEXICO OIL CONSERVATION COMMISSION
GAS - OIL RATIO TESTS

C-116
Revised 1-1-65

Operator TEXACO Inc.		County LEA													
Address P.O. BOX 728 - HOBBS, NEW MEXICO 88240		Pool PADUCA DELAWARE, NORTH													
TYPE OF TEST - (X)		Completion ☐ Scheduled ☐ Special ☒													
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST				GAS - OIL RATIO CU.FT./BBL.
		U	S	T	R						WATER BBLs.	GRAV. OIL	OIL BBLs.	GAS M.C.F.	
COTTON DRAW UNIT	69	K	34	24	32	11-23-70	P	-	18	24	16	40.0	17	44	2588
	70	L	34			11-17-70	P	-	12	24	18	40.2	11	49	4455
	72	P	33	24	32	-	-	Shut In	-	-	-	-	-	-	-
	73	A	4	25	32	11-30-70	F	1"	650	24	0	-	0	81	-

BEFORE EXAMINER NOTED
OIL CONSERVATION COMMISSION
EXHIBIT NO. 2
CASE NO. 3786 (Raymond)

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

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

(Signature)

(Title)

December 22, 1970

(Date)

CASE # 3286

Bip # 608