



PETROLEUM PRODUCTS

January 17, 1975

TEXACO INC.
DRAWER 728
HOBBS, NEW MEXICO 88240

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Wellbore Commingling
G.L. Erwin "B" Federal (NCT-2) No. 3
Justis (Tubb-Drinkard) and
Justis (Fusselman North) Pools
Lea County, New Mexico

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

TEXACO Inc. requests administrative approval to commingle in the wellbore oil production from the Justis (Tubb-Drinkard) and Justis (Fusselman North) Pools in Well No. 3 on the G. L. Erwin "B" Federal (NCT-2) Lease located in Section 35, Township 24 South, Range 37 East, Lea County, New Mexico.

The subject well is presently producing from the Justis (Blinbry, Tubb-Drinkard and Fusselman North) Pools. The Tubb-Drinkard zone requires artificial lift and the Fusselman zone is flowing. The Blinbry zone is flowing, but will not be included in this request for downhole commingling. Production after commingling will be by artificial lift. The Tubb-Drinkard and Fusselman zones will be communicated by perforations from 7146' to 7152'. The fluids from these reservoirs are known to be compatible. Ownership of the minerals in both zones is common, and the value of the commingled fluids is not less than the total value of the fluids if they were marketed separately. Secondary operations will not be jeopardized by approval of this application.

A data sheet is attached listing all required data for the Tubb-Drinkard and Fusselman North zones. Also attached are production decline curves, diagrammatic sketches of the wellbore showing the present completion and proposed completion, list of offset operators and a well test as submitted on Form C-116.

The USGS and all offset operators are being notified by copy of this application.

Yours very truly,



J. V. Cannon
District Superintendent

JBS/kw
LAW, Jr.
NMOCC-Hobbs
USGS-Hobbs
Offset Operators
Attachments

DATA SHEET FOR WELLBORE COMMINGLING

Operator: **TEXACO INC.**

Address: **P.O. BOX 728, HOBBS, NEW MEXICO 88240**

Lease and Well No: **G.L. ERWIN "B" FEDERAL (NCT-2) NO. 3**

Location: Unit I; 1980 Feet from the SOUTH Line and
330 Feet from EAST Line of Section 35;
Township 24-S, Range 37-E; LEA County.

WELL DATA

	<u>Upper Pool</u>	<u>Lower Pool</u>
Name of Pool	<u>JUSTIS</u> <u>TUBB-DRINKARD</u>	<u>JUSTIS</u> <u>FUSSELMAN NORTH</u>
Producing Method	<u>FLOW</u>	<u>PUMP</u>
BHP	<u>829</u>	<u>1000 Est.</u>
Type Crude	<u>SWEET</u>	<u>SWEET</u>
Gravity	<u>38.8</u>	<u>39.2</u>
GOR Limit	<u>6,000</u>	<u>2,000</u>
Completion Interval	<u>5955'-6052'</u>	<u>6961'-7152'</u>
Current Test Date	<u>12-20-74</u>	<u>12-22-74</u>
Oil	<u>2</u>	<u>24</u>
Water	<u>0</u>	<u>2</u>
GOR	<u>5700</u>	<u>TSTM</u>
Selling Price of Crude-\$/BBL.	<u>11.16</u>	<u>11.16</u>
Daily Income - \$/Day	<u>22.32</u>	<u>267.84</u>

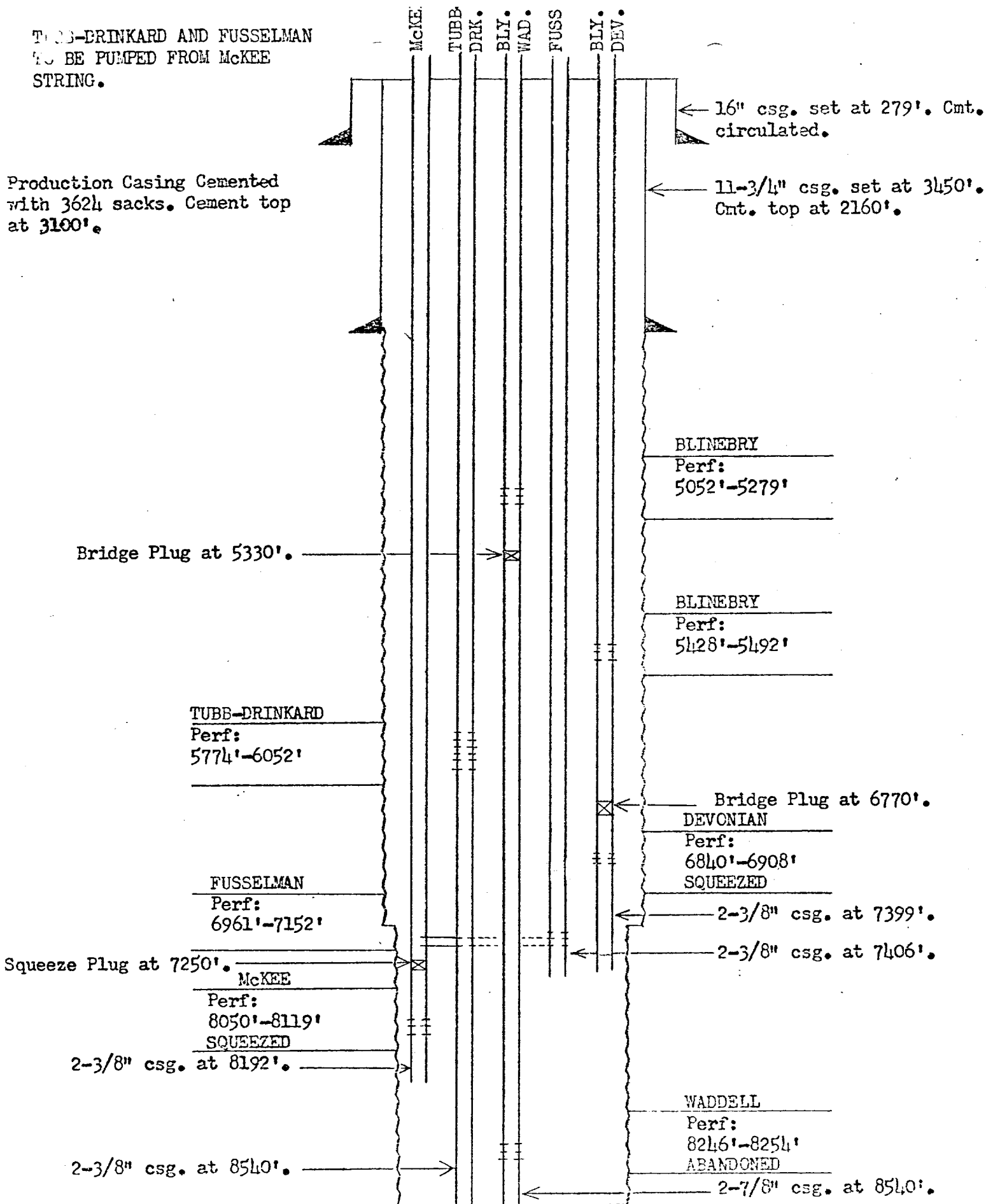
COMMINGLED DATA:

Gravity of Commingled Crude 39.1
Selling Price of Commingled Crude - \$/BBL. 11.16
Daily Income - \$/Day 513.36

Net (Gain) (~~XXXX~~) From Wellbore Commingling - \$/Day 223.20 (PRODUCTION INCREASE OF
based on current producing rates. 20 BOPD)

TUBB-DRINKARD AND FUSSELMAN
TO BE PUMPED FROM McKEE
STRING.

Production Casing Cemented
with 3624 sacks. Cement top
at 3100'.



Proposed Completion
G.L. ERWIN "B" FED. (NCT-2) NO. 3
JUSTIS (BLINEBRY, TUBB-DRINKARD)
AND
JUSTIS FUSSELMAN NORTH POOLS
TRA COUNTY, NEW MEXICO

Production Casing Cemented
with 3624 sacks. Cement top
at 3100'.

← 16" csg. set at 279'. Cmt.
circulated.

← 11-3/4" csg. set at 3450'.
Cmt. top at 2160'.

BLINEBRY

Perf:
5052'-5279'

Bridge Plug at 5330'.

BLINEBRY

Perf:
5428'-5492'

TUBB-DRINKARD

Perf:
5955'-6052'

Bridge Plug at 6182'.

Bridge Plug at 6785'.

Bridge Plug at 6770'.

DEVONIAN

Perf:
6840'-6908'
SQUEEZED

FUSSELMAN

Perf:
6961'-7152'

Squeeze Plug at 7250'.

McKEE

Perf:
8050'-8119'
SQUEEZED

← 2-3/8" csg. at 7399'.

← 2-3/8" csg. at 7406'.

← Bridge Plug at 7930'.

2-3/8" csg. at 8192'.

WADDELL

Perf:
8246'-8254'
ABANDONED

2-3/8" csg. at 8540'.

← 2-7/8" csg. at 8540'.

Present Completion
G.L. ERWIN "B" FED. (NCT-2) NO. 3
JUSTIS (BLINEBRY, TUBB-DRINKARD)

AND
JUSTIS FUSSELMAN NORTH POOLS
LEA COUNTY, NEW MEXICO



COLEMAN PETROLEUM ENGINEERING COMPANY

PHONE EXPRESS 3 3813
611 GRIMES
P. O. BOX 1829
HOBBS NEW MEXICO

BOTTOM HOLE PRESSURE RECORD

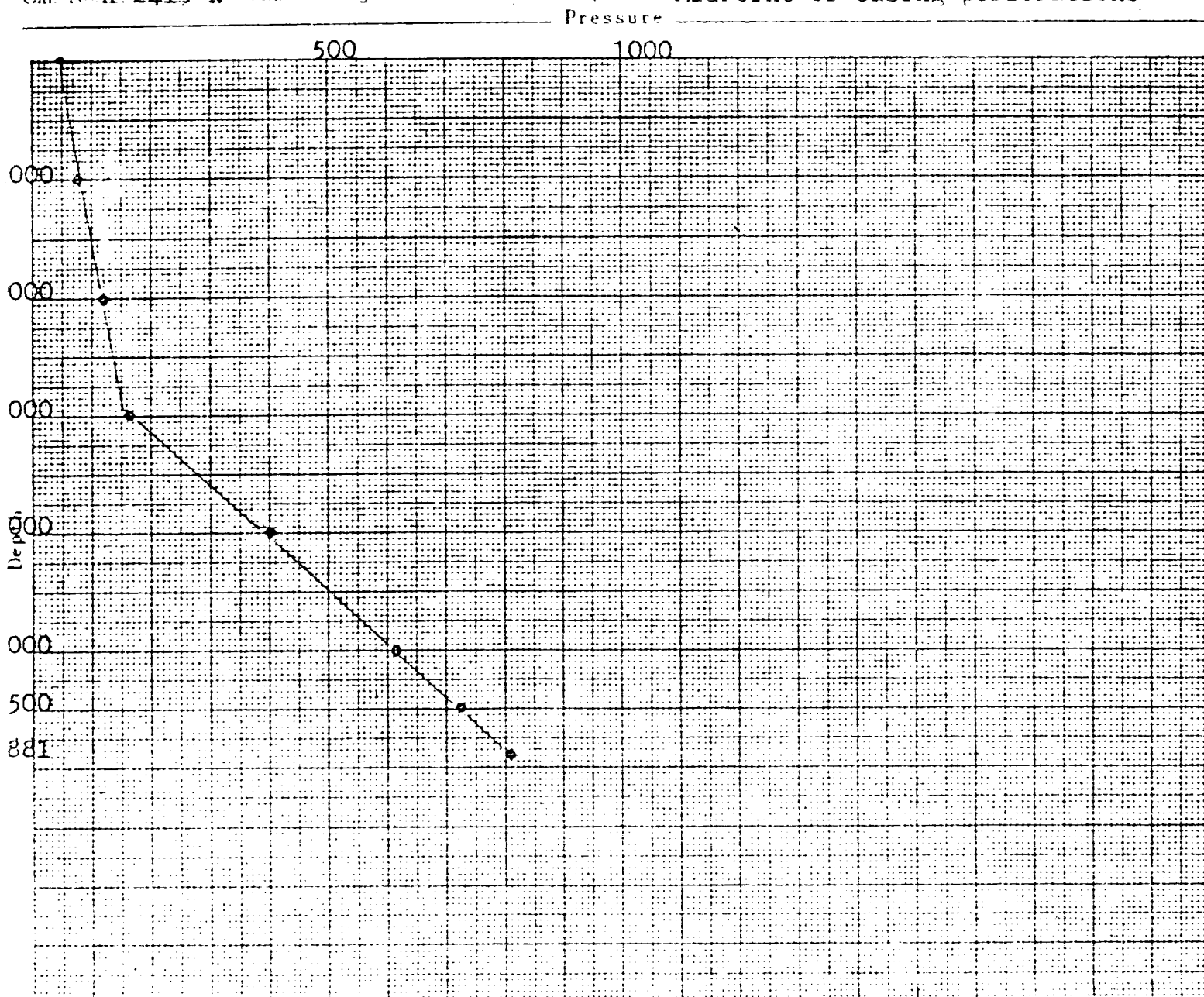
OPERATOR **Texaco, Inc.**
FIELD **North Justice FORMATION**
LEASE **GL Erwin B Fed NCT-2 Well No. 3**
COUNTY **Lea** STATE **New Mexico**
DATE **1-6-75** TIME **11:40 Am**
Status **Flowing** Test depth **5881**
Time S. I. - Last test date -
Tub Pres. **39** BHP last test -
Gas Pres. - BHP change -
Elev. **GL 3146** Fluid top **3000'**
Datum **(-2858)**** Water top **None**
Temp. **@ 104°F** Run by **Peacock**
Cal. No. **A 2419 N** Chart No. **1**

Tubb Drinkard

Depth	Pressure	Gradient
0	39	-
1000	76	.037
2000	118	.042
3000	161	.043
4000	400	.239
5000	614	.214
5500	721	.214
5881	803	.215
6004(-2858)	829* **	(.215)

* Extrapolated Pressure

** MidPoint of casing perforations



NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County		Lea								
TEXACO Inc.		Justis Fusselman North												
Address		P. O. Box 728, Hobbs, New Mexico 88240		TYPE OF TEST - (X)		Completion ☐ Scheduled ☐								
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU. FT./BBL.	
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.
G. L. Erwin "B" Federal (NCT-2)	3	I	35	24-S	37-E	12-22-74	P	35	24	2	39.2	24	-	TSTN

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]
(Signature)

Assistant District Superintendent
(Title)

January 17, 1975
(Date)

RECEIVED
JAN 2 1968
OIL CONSERVATION COMM.
HOBBS, N. M.

NEW MEXICO OIL CONSERVATION COMMISSION
GAS - OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County										
TEXACO Inc.		Justis Tubb-Drinkard		Lea										
Address		TYPE OF TEST - (X)		Completion ☐ Special ☒										
P. O. Box 728, Hobbs, New Mexico 88240														
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKES SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.	
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.
G. L. Erwin "B" Federal (NCT-2)	3	I	35	24-S37 E	12-24-74	F 20/64	100	8	24	0	38.8	2	11.4	5700

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.



Assistant District Superintendent
(Title)

January 17, 1975
(Date)

RECEIVED

JAN 2 4 13

GIL CONSERVATION COMM.
HOBBS, N. M.

TEXACO INC. MIDLAND DIVISION

Performance Curve

G.L. ERWIN "B" FED. (NCT-2) NO. 3
JUSTIS TUBE-DRINKARD POOL
LEA COUNTY, NEW MEXICO

DRAWN BY: JBS DATE: 1-6-75

OIL PRODUCTION
BRLS/DAY



19 65 19 66 19 67 19 68 19 69 19 70 19 71 19 72 19 73 19 74 19 75

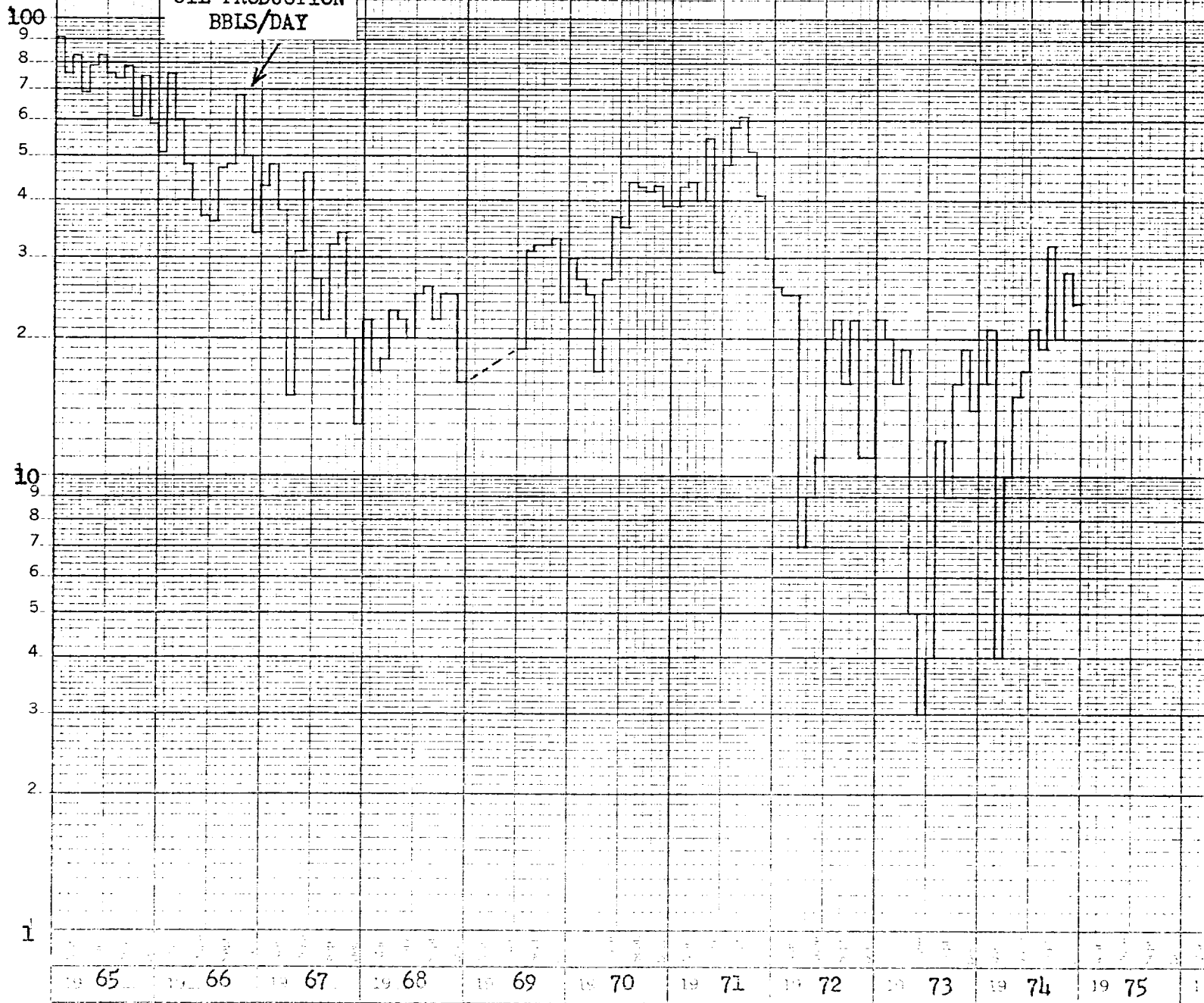
TEXACO INC. MIDLAND DIVISION

Performance Curve

G.L. ERWIN "B" FED. (NCT-2) NO. 3
JUSTIS FUSSELMAN NORTH POOL
LEA COUNTY, NEW MEXICO

DRAWN BY: JBS DATE: 1-6-75

OIL PRODUCTION
BBLS/DAY



OFFSET OPERATORS

Gulf Oil Corporation - U.S.
900 W. Turner
Hobbs, New Mexico 88240

Westates Petroleum Company
728 Capital National Bank Bldg.
Houston, Texas 77002

National Cooperative Refinery Associates
915 Wilco Building
Midland, Texas 79701

Amerada Hess Corporation
P. O. Box 591
Midland, Texas 79701

Shell Oil Company
P. O. Box 1509
Midland, Texas 79701

