

July 11, 1975

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

Re: WELLBORE COMMINGLING
G.L. Erwin "A" Federal No. 2
Justis (Tubb-Drinkard and
Devonian North) Pools
Lea County, New Mexico

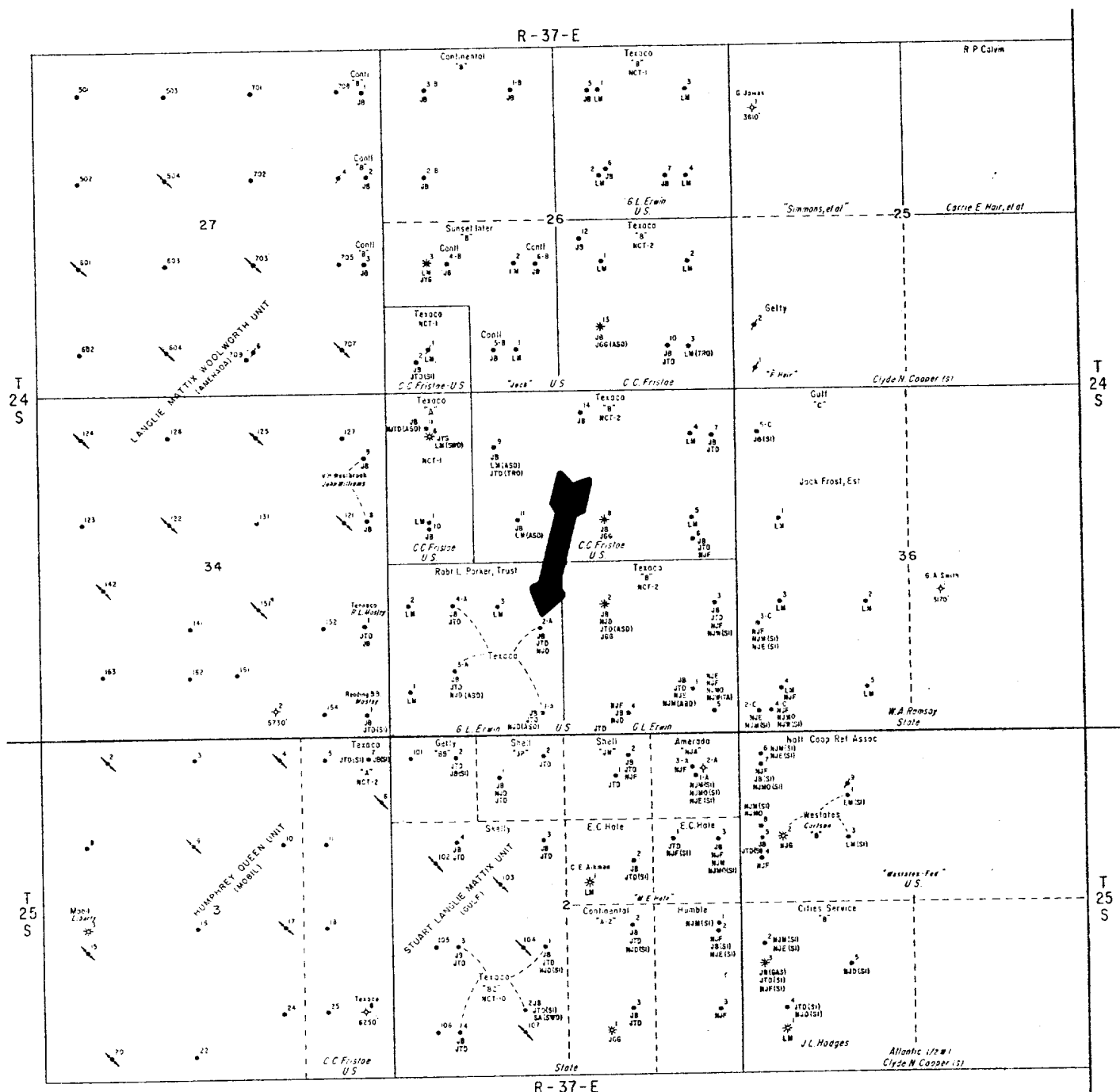
Attention: Mr. Joe D. Ramey

Gentlemen:

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

The subject well is a triple tubingless completion with the Blinebry zone being pumped and the Tubb-Drinkard and Devonian zones flowing. Upon approval of this application and after commingling, a pump will be installed in the Devonian string and production from the Tubb-Drinkard and Devonian zones will be by artificial lift. The Tubb-Drinkard string will be utilized for the venting of gas. The Blinebry zone will remain undisturbed. The fluids from these two 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 Devonian zones. Also attached are production decline curves, diagrammatic sketches of the wellbore showing the present and proposed completion, bottom hole pressure surveys and a well test as submitted on Form C-116.



POOL INDEX

JYG JALMAT YATES GAS
JB JUSTIS BLINEBRY
JSG JUSTIS GLORIAEY GAS
JTD JUSTIS TUBB-DRINKARD
LM LANGLIE MATTIX 7 RIVERS
NJB NORTH JUSTIS BLINEBRY
NJD " DEVONIAN

NJE NORTH JUSTIS ELLENBURGER
NJF " FUSSELMAN
NJW " MCKEE
NJMO " MONTROY
NJTD " TUBB-DRINKARD
NJW " WADDELL

LEGEND

(ABD) ABANDONED
(ASD) ABANDONED-SALVAGE DEFERRED
(SH) SHUT IN
(SWD) SALT WATER DISPOSAL
(TA) TEMPORARILY ABANDONED
(TRC) TO BE RECONDITIONED FOR OIL

TEXACO Inc.
JUSTIS & LANGLIE MATTIX POOLS
LEA COUNTY, NEW MEXICO

SCALE: 0' 1000' 2000'

DATA SHEET FOR WELLBORE COMMINGLING

Operator: TEXACO Inc.

Address: P. O. Box 728, Hobbs, New Mexico 88240

Lease and Well No: G. L. Erwin "A" Federal No. 2

Location: Unit K; 1650 Feet from the South Line and
2310 Feet from West 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>Devonian North</u>
Producing Method	<u>Flow</u>	<u>Flow</u>
BHP	<u>1766</u>	<u>1625</u>
Type Crude	<u>Sweet</u>	<u>Sweet</u>
Gravity	<u>38.8</u>	<u>39.2</u>
GOR Limit	<u>6000</u>	<u>2000</u>
Completion Interval	<u>6025'-6103'</u>	<u>7076'-7200'</u>
Current Test Date	<u>6-25-75</u>	<u>6-26-75</u>
Oil	<u>1</u>	<u>1</u>
Water	<u>1</u>	<u>0</u>
GOR	<u>4500</u>	<u>600</u>
Selling Price of Crude-\$/BBL.	<u>5.78</u>	<u>5.78</u>
Daily Income - \$/Day	<u>5.78</u>	<u>5.78</u>

COMMINGLED DATA:

Gravity of Commingled Crude 39.0
Selling Price of Commingled Crude - \$/BBL. 5.78
Daily Income - \$/Day 11.56

Net (G/Ln) (xxxx) From Wellbore Commingling - \$/Day 86.70 (Production increase of
based on current producing rates. 15 BOPD)

BLINEBRY TUBB-DRINKARD
DEVONIAN

2-7/8" csg. cemented with
1200 sacks. Cement top at
3900'.

13-3/8" csg. set at 277'. Cemented
with 350 sacks. Cement circulated.

9-5/8" csg. set at 3545'. Cemented
with 1000 sacks. Cement top at 2100'.

2-7/8" csg. set at 7431'.

2-7/8" csg. set at 6151'.

2-7/8" csg. set at 7435'.

BLINEBRY
Perf:
5293'-5631'

TUBB-DRINKARD
Perf:
6025'-6103'

DEVONIAN
Perf:
7076'-7200'

TD 7435'

TEXACO INC.

Present Completion

G.L. ERWIN "A" FEDERAL NO. 2

JUSTIS (BLINEBRY, TUBB-DRINKARD AND NORTH DEVONIAN) POOLS
LEA COUNTY, NEW MEXICO

JBS 7-10-75

BLINEBRY

TUBB-DRINKARD

DEVONIAN

2-7/8" csg. cemented with
1200 sacks. Cement top at
3900'.

13-3/8" csg. set at 277'. Cemented
with 350 sacks. Cement circulated.

9-5/8" csg. set at 3545'. Cemented
with 1000 sacks. Cement top at 2100'.

2-7/8" csg. set at 7431'.

2-7/8" csg. set at 6151'.

2-7/8" csg. set at 7435'.

BLINEBRY

Perf:
5293'-5631'

Bridge Plug at 5700'.

TUBB-DRINKARD

Perf:
6025'-6103'

DEVONIAN

Perf:
7076'-7200'

1944

There is a great deal of work to be done in the field of
the study of the history of the United States.

1944

1944
1944
1944

July 11, 1975

A copy of this application is being mailed to the USGS and to each offset operator shown on the attached list.

Yours very truly,

J. V. GANNON

J. V. GANNON

District Superintendent

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

1. The first part of the report is devoted to a general survey of the situation in the country.

2. The second part of the report is devoted to a detailed analysis of the situation in the country.

3. The third part of the report is devoted to a detailed analysis of the situation in the country.

4. The fourth part of the report is devoted to a detailed analysis of the situation in the country.

5. The fifth part of the report is devoted to a detailed analysis of the situation in the country.

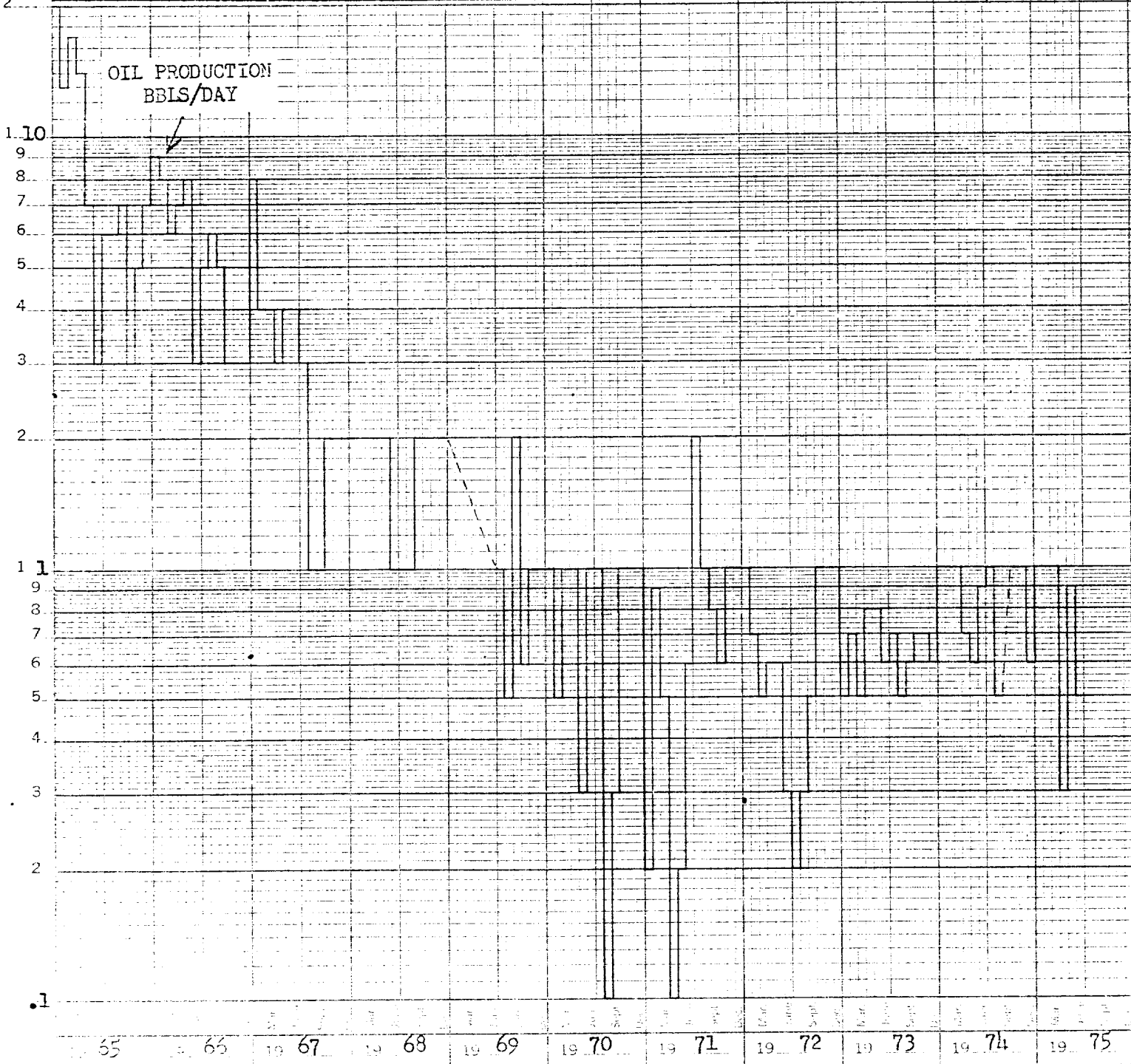
TEXACO INC.
MIDLAND DIVISION

Performance Curve

G.L. ERWIN "A" FEDERAL NO. 2
JUSTIS TUBB-DRINKARD POOL
LEA COUNTY, NEW MEXICO

DRAWN BY: JBS DATE: 7-9-75

OIL PRODUCTION
BBLs/DAY

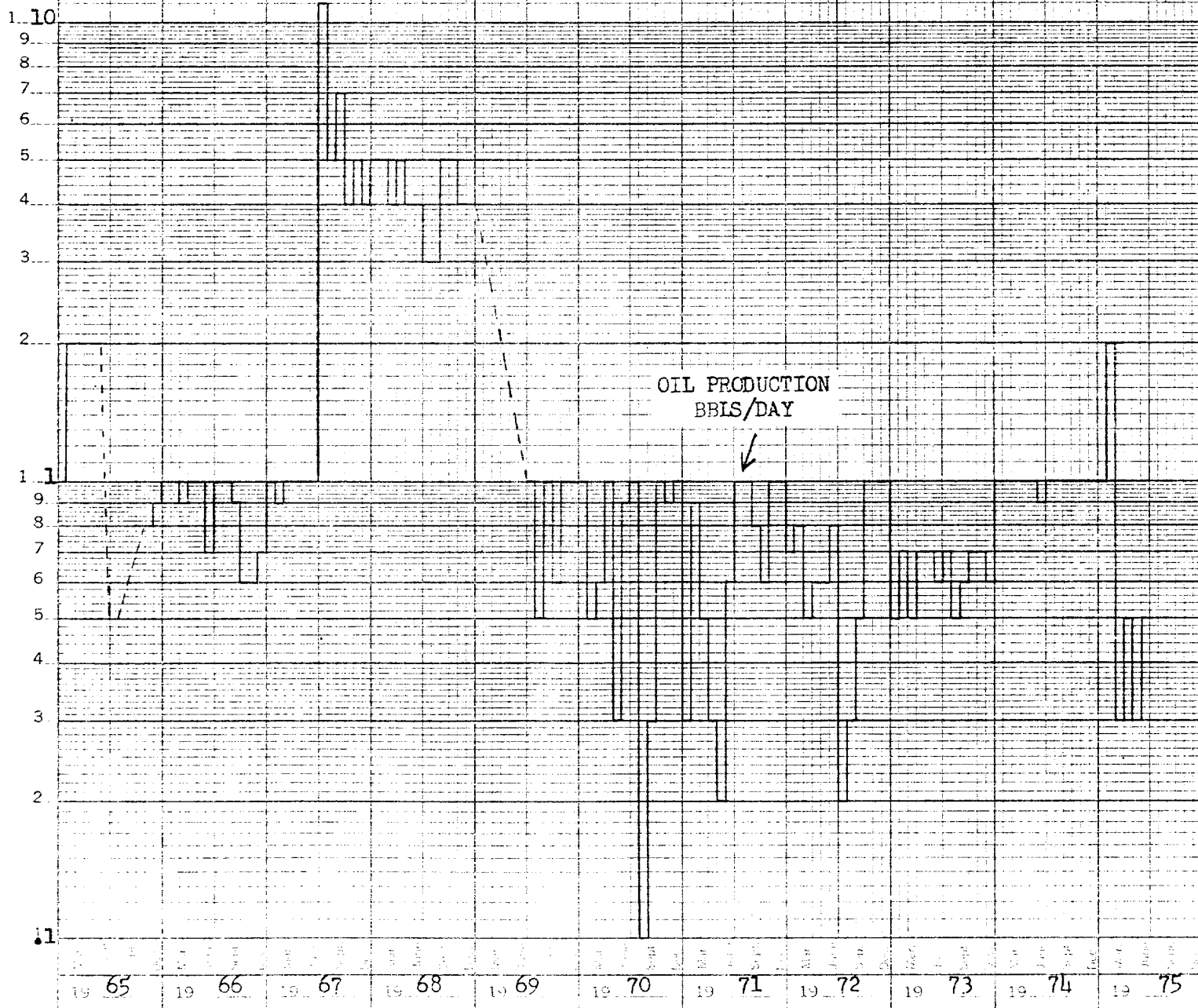


TEXACO INC.
MIDLAND DIVISION

Performance Curve

G.L. ERWIN "A" FEDERAL NO. 2
JUSTIS DEVONIAN NORTH POOL
LEA COUNTY, NEW MEXICO

DRAWN BY: JBS DATE: 7-9-75



OFFSET OPERATORS

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

Shell Oil Company
P. O. Box 1599
Midland, Texas 79701

Getty Oil Company
P. O. Box 249
Hobbs, New Mexico 88240

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County		See below		TYPE OF TEST - (X)		Completion		Specified			
TEXACO INC.				Lea								X			
Address		P. O. Box 728, Hobbs, New Mexico 88240													
LEASE NAME		WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	T.B.G. 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.	GAS M.C.F.	
G. L. Erwin "A" Federal		2	K	35	24-S	37-E									
<u>Justis Tubb-Drinkard</u>								200	1	24	1	38.8	1	4.5	4500
<u>Justis Devonian North</u>								150	1	24	0	39.2	1	.6	600

No well will be assigned an allowable greater than the amount of oil produced on the official test.
During an oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which it 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)
Assistant District Superintendent

(Title)
July 1, 1975
(Date)



COLEMAN PETROLEUM ENGINEERING COMPANY

PHONE 393 3813

3713 W. MARLAND ST.

P.O. BOX 1829

HOBBS, NEW MEXICO 88240

BOTTOM HOLE PRESSURE RECORD

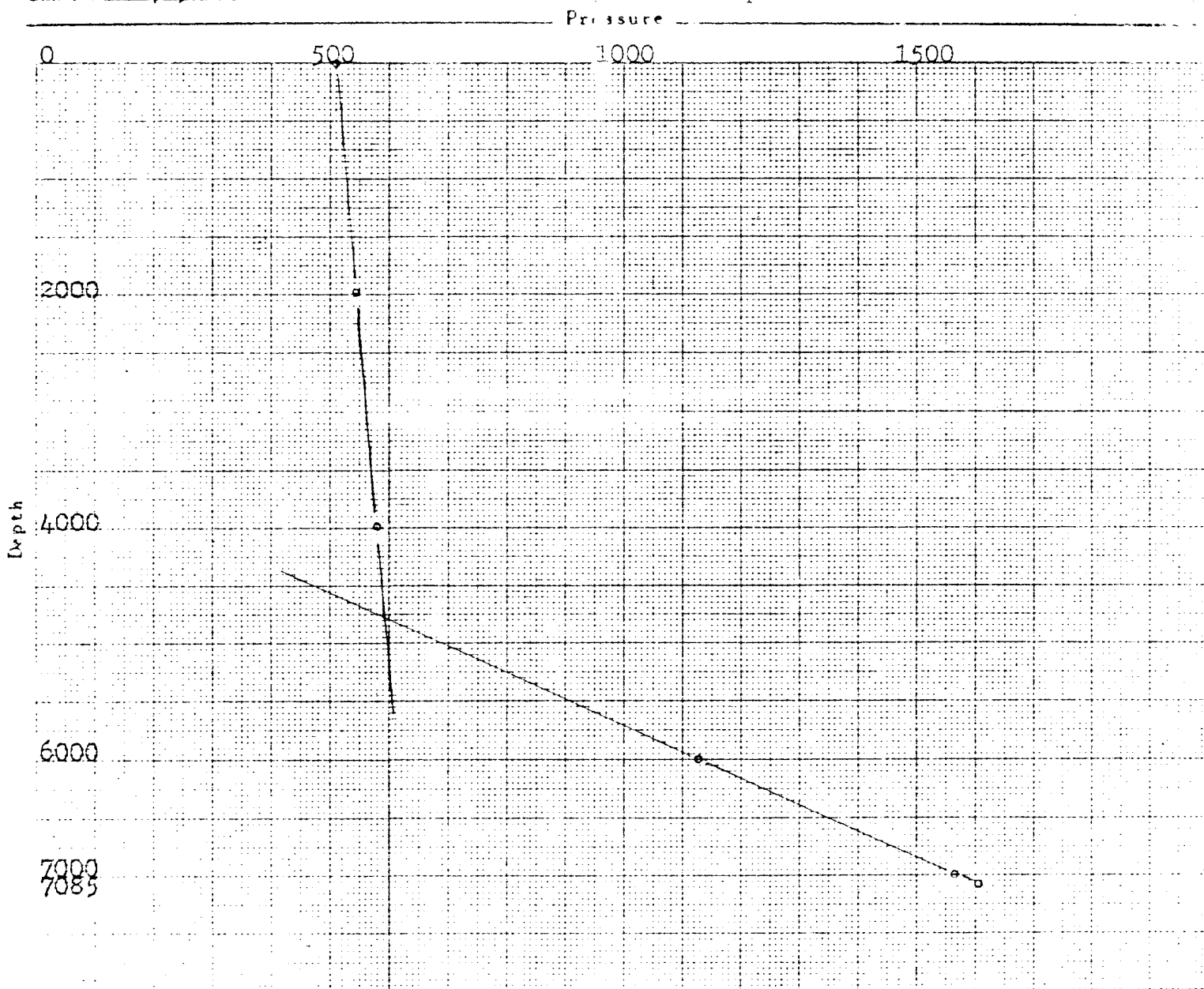
OPERATOR Texaco Inc.
FIELD Justis FORMATION Devonian
LEASE G. L. Erwin A WELL No. 2
COUNTY Lea STATE New Mexico
DATE 4-12-75 TIME 11:00 Am
Status Shut in Test depth 7085
Time S 124.0 Hrs last test date 2-12-75
Tub Pres 510 BHP last test 2696
Gas Pres Triple BHP change 1071 Loss
Elev 3182 DF Fluid top 4364
Datum (-3952)** Water top 6000
Temp. @ 104 F Run by Peacock
Cal. No. A2419N Chart No. 2

Depth	Pressure	Gradient
0	510	-
2000	543	.017
4000	577	.017
6000	1128	.276
7000	1565	.437
7085+	1603	.447
7134(-3952)	1625* **	(.447)

+ Hit Obstruction

* MidPoint of Casing Perforations

** Extrapolated Pressure





COLEMAN PETROLEUM ENGINEERING COMPANY

PHONE 393-3813

3713 W. MARLAND ST.

P. O. BOX 1929

HOBBBS NEW MEXICO 88240

BOTTOM HOLE PRESSURE RECORD

OPERATOR Texaco Inc.
FIELD North Justice FORMATION Tubb-Drinkard
LEASE G. L. Erwin A NCT WELL No. 2
COUNTY Lea STATE New Mexico
DATE 4-12-75 TIME 10:00 Am
Status Shut in Test depth 5955
Time S. I. 42.0 Hrs Last test date -
Tub Pres. 1159 BHP last test -
Cas. Pres. Triple BHP change -
Elev. 3182 DF Fluid top 4725'
Datum (-2882) Water top None
Temp. @ 100' F Run by Peacock
Cal. No. A2419N Chart No. 1

Depth	Pressure	Gradient
0	1159	-
2000	1225	.033
4000	1295	.035
5955+	1730	.223
6064 (-2882)	1766* **	(.333)

* Extrapolated Pressure

** MidPoint of Casing Perforations

+ Hit Obstructions

