



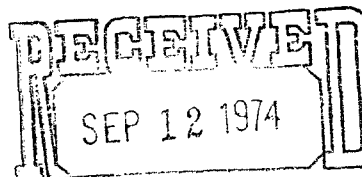
PETROLEUM PRODUCTS

September 10, 1974

DHC - 151
Date - 10/2/74

TEXACO INC.
DRAWER 728
HOBBS, NEW MEXICO 88240

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



Re: Oil Conservation Comm.
Wellbore Commingling
A. H. Blinebry Federal (NCT-4)
Well No. 5
Blinebry and Drinkard Pools
Lea County, New Mexico

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

see MC-1537

Gentlemen:

Texaco Inc. requests administrative approval to commingle in the wellbore oil production from the Blinebry and Drinkard pools in Well No. 5 on the A. H. Blinebry Federal (NCT-4) Lease located in Section 31, Township 22 South, Range 38 East, Lea County, New Mexico.

The subject well is presently producing from both zones. Upon approval of this application the Blinebry and Drinkard zones will be commingled downhole by perforating from 6870'-6875' and 6935'-6940'. Both zones will be classified as oil zones. The Drinkard zone is being produced by artificial lift; therefore, production after commingling will be by artificial lift. 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 Drinkard and Blinebry zones. Also attached are production decline curves, diagrammatic sketches of the wellbore showing the present completion and proposed completion, and a bottomhole pressure survey. A well test is included as submitted on Form C-116.

Copies of this application are being mailed to each of the Offset Operators shown on the attached list and to the USGS.

Yours very truly,

J. V. Gannon
District Superintendent

JBS:ar

MAS, Jr.
NMOCC-Hobbs
USGS-Hobbs

OFFSET OPERATORS

DATA SHEET FOR WELLBORE COMMINGLING

Operator: TEXACO Inc.

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

Lease and Well No: A. H. Blinebry Federal (NCT-4) No. 5

Location: Unit N; 1980 Feet from the West Line and
990 Feet from South Line of Section 31;
Township 22 South, Range 38 East; Lea County.

WELL DATA

	<u>Upper Pool</u>	<u>Lower Pool</u>
Name of Pool	<u>Blinebry</u>	<u>Drinkard</u>
Producing Method	<u>Flow</u>	<u>Pump</u>
BHP	<u>1037</u>	<u>1300 (Est.)</u>
Type Crude	<u>Sweet</u>	<u>Sweet</u>
Gravity	<u>37.6</u>	<u>38.6</u>
GOR Limit	<u>6000</u>	<u>6000</u>
Completion Interval	<u>5613'-5756'</u>	<u>6870'-6940'</u>
Current Test Date	<u>8-26-74</u>	<u>8-27-74</u>
Oil	<u>2</u>	<u>1</u>
Water	<u>0</u>	<u>0</u>
GOR	<u>2000</u>	<u>1100</u>
Selling Price of Crude-\$/BBL.	<u>5.25</u>	<u>5.27</u>
Daily Income - \$/Day	<u>10.50</u>	<u>5.27</u>

COMMINGLED DATA:

Gravity of Commingled Crude 38.0
Selling Price of Commingled Crude - \$/BBL. 5.27
Daily Income - \$/Day 15.77

Net (Gain) ~~(Loss)~~ From Wellbore Commingling - \$/Day 52.70 (Production increase of
based on current producing rates. 10 BOPD)

**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		TYPE OF TEST - (X) ☒ Spectral ☐												
SEE BELOW		Completion ☐												
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.
A. H. Blinebry Fed. (NCT-4)	5	N	31	22S	38E	8-26-74	F 18/64	2	24	0	37.6	2	4	2000
<u>Blinebry</u>						8-27-74	P	1	24	0	38.6	1	1.1	1100
<u>Drinkard</u>														

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)

Assistant District Superintendent
(Title)

August 30, 1974
(Date)

BLINEBRY
(FLOW)

DRINKARD
(PUMP)

2-7/8" csg. cemented with 900
sacks. Calculated cement top
at 2647'.

← 8-5/8" csg. set at 1284'. Cemented with
500 sacks. Cement circulated.

2-7/8" csg. set at 6997'.

← 2-7/8" csg. set at 6997'.

BLINEBRY
PERF:
5613'-5756'

Pump and seating nipple at 6075'.

Fourteen 5/8" rods and pump lost in hole.

DRINKARD
PERF:
6874'-6938'

PBTD 6965'

PBTD 6987'
TD 7000'

Present Completion
TEXACO INC.
A.H. BLINEBRY FED. (NCT-4) NO. 5
BLINEBRY AND DRINKARD POOLS
LEA COUNTY, NEW MEXICO

BLINEBRY
(VENT)

DRINKARD AND BLINEBRY
(PUMP)

2-7/8" csg. cemented with 900
sacks. Calculated cement top
at 2647'.

← 8-5/8" csg. set at 1284'. Cemented with
500 sacks. Cement circulated.

2-7/8" csg. set at 6997'.

← 2-7/8" csg. set at 6997'.

BLINEBRY
PERF:
5613'-5756'

Pump and seating nipple at 6860'.

DRINKARD
PERF:
6870'-6940'

PBTD 6965'

PBTD 6987'
TD 7000'

Proposed Completion
TEXACO INC.

A.H. BLINEBRY FED. (NCT-4) NO. 5
BLINEBRY AND DRINKARD POOLS
LEA COUNTY, NEW MEXICO



COLEMAN PETROLEUM ENGINEERING COMPANY

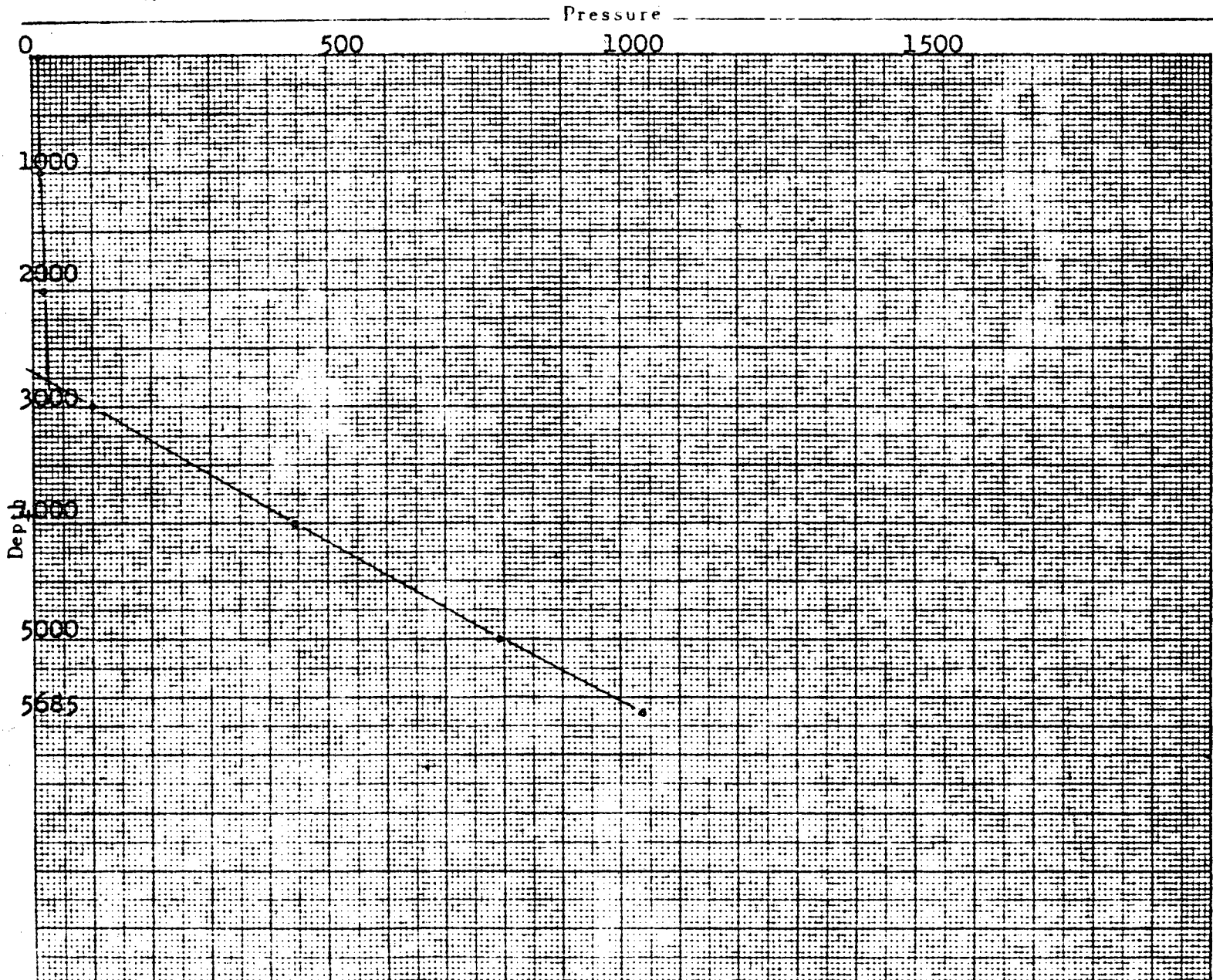
PHONE EXPRESS 3-3813
611 GRIMES
P O BOX 1829
HOBBS, NEW MEXICO

BOTTOM HOLE PRESSURE RECORD

OPERATOR **Texaco, Inc.**
FIELD **North Justis** FORMATION **Blinebry**
LEASE **AH Blinebry NCT-4** WELL **#5**
COUNTY **Lea** STATE **New Mexico**
DATE **8-22-74** TIME **4:00 p.m.**
Status **shut-in** Test depth **5685**
Time S. **124.0 hrs** Last test date **Initial**
Tub Pres. **10** BHP last test **-**
Cas. Pres. **Duel** BHP change **-**
Elev. **3328 KB** Fluid top **2755**
Datum **(-2357)**** Water top **-**
Temp. **@ 98 F** Run by **Erwin**
Cal. No. **A2434N** Chart No. **2**

Depth	Pressure	Gradient
0	10	-
1000	12	.002
2000	15	.003
3000	101	.043
4000	443	.342
5000	787	.344
5685	(-2357) 1037**	.365

**Mid point of casing perforations



1100

9
8
7
6
5
4
3
2

110

9
8
7
6
5
4
3
2

11

9
8
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11

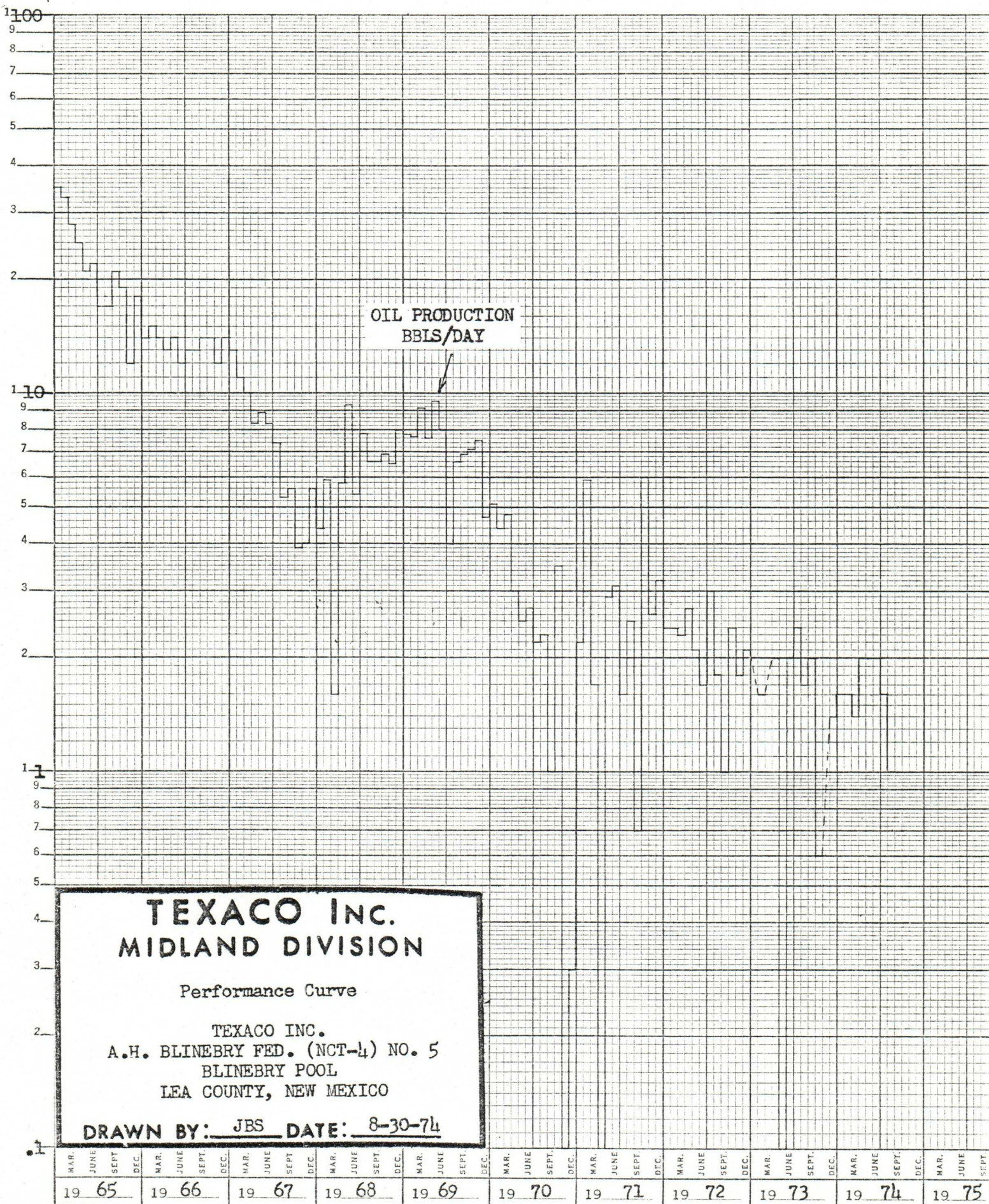
9
8
7
6
5
4
3
2OIL PRODUCTION
BBLS/DAY**TEXACO INC.**
MIDLAND DIVISION

Performance Curve

TEXACO INC.
A.H. BLINEBRY FED. (NCT-4) NO. 5
DRINKARD POOL
LEA COUNTY, NEW MEXICO

DRAWN BY: JBS DATE: 8-30-74

MAR.	JUNE	SEPT.	DEC.	MAR.	JUNE	SEPT.	DEC.	MAR.	JUNE	SEPT.	DEC.	MAR.	JUNE	SEPT.	DEC.	MAR.	JUNE	SEPT.	DEC.	MAR.	JUNE	SEPT.	DEC.	MAR.	JUNE	SEPT.	DEC.	MAR.	JUNE	SEPT.	DEC.												
19 65				19 66				19 67				19 68				19 69				19 70				19 71				19 72				19 73				19 74				19 75			



OFFSET OPERATORS

Aztec Oil & Gas Co.
P. O. Box 847
Hobbs, New Mexico 88240

Phillips Petroleum Co.
P. O. Box 791
Midland, Texas 79701

Gulf Oil Corporation
P. O. Box 670
Hobbs, New Mexico 88240

Amoco
P. O. Box 367
Andrews, Texas 79714

Cities Service Oil Co.
800 Vaughn Bldg.
Midland, Texas 79701

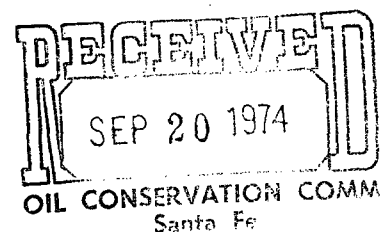
Union Texas Petroleum
1300 Wilco Bldg.
Midland, Texas 79701

AZTEC OIL & GAS COMPANY

2000 FIRST NATIONAL BANK BUILDING

DALLAS, TEXAS 75202

THOMAS W. MORRIS
MANAGER OF PRODUCTION



September 17, 1974

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

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

Re: Wellbore Commingling -
Texaco, Inc. - A.H. Blinebry
Federal (NCT-4) No. 5
Blinebry and Drinkard Pools
Lea County, New Mexico

Gentlemen:

We are in receipt of a copy of Texaco's request for commingling production in the captioned well.

Please be advised that we, as Offset Operator, have no objection to your approval of your application.

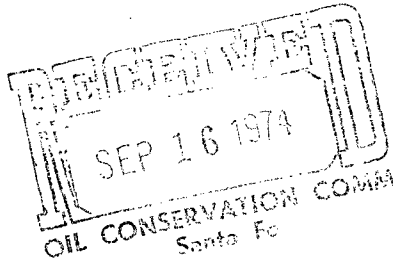
Yours very truly,

A handwritten signature in cursive script, appearing to read "Thomas W. Morris".

LDE/sw

OIL CONSERVATION COMMISSION
Hobbs DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO



DATE Sept. 13, 1974

RE: Proposed MC _____
Proposed DHC X _____
Proposed NSL _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated _____
for the Texaco Inc. A. H. Blinebry Fed. NCT-4 #5-N 31-22-38
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

O.K.---J.D.R.

Yours very truly,