



PETROLEUM PRODUCTS

August 14, 1984

AUG 20 1984
RECEIVED

TEXACO
U.S.A.
A DIVISION OF TEXACO INC.
P. O. BOX 728
HOBBS, NEW MEXICO 88240
(505) 393-7191

DOWNHOLE COMMINGLING

NEW MEXICO STATE "BZ" STATE NCT-10
WELL NO. 3
UNIT L, SECTION 1, T-25-S, R-37-3
JUSTIS BLINEBRY AND JUSTIS TUBB
DRINKARD FIELDS
LEA COUNTY, NEW MEXICO

State of New Mexico
Department of Energy and Minerals
Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. Michael E. Stogner
Petroleum Engineer

Gentlemen:

Texaco Inc. respectfully requests Administrative approval to commingle production from the Justis Blinebry and Justis Tubb Drinkard pools in the wellbore of the New Mexico "BZ" State NCT-10 No. 3 in accordance with NMOCD Rule 303-C. The Justis Blinebry and Justis Tubb Drinkard have previously been approved for downhole commingling in Texaco's New Mexico "BZ" State NCT-10 No. 4.

This will meet all prerequisites for downhole commingling, as described in NMOCD Rule 303-C,1 (a-h). The ownership of these zones is common, including working interest, royalty, and overriding royalty. These zones have been surface commingled on this lease and no incompatibility of the fluids has been found.

Allocation of these oil zones will be as follows:

42% to Justis Blinebry
58% to Justis Tubb Drinkard

State of New Mexico
Dept. of Energy & Minerals

- 2 -

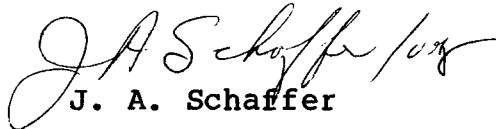
August 14, 1984

New pay will be opened in the Tubb Drinkard zone in conjunction with the proposed downhole commingling. Therefore, a segregated test will be performed on this pay and the zone allocations will be adjusted, if needed.

All Offset Operators (list attached) have been notified of this application by copy of this letter.

Yours very truly,

TEXACO INC.
PRODUCING DEPARTMENT-UNITED STATES



J. A. Schaffer

KLJ:JEB

Attachments

Copy to: Department of Energy & Minerals
Oil Conservation Division
Post Office Box 1980
Hobbs, New Mexico 88240

OFFSET OPERATORS

NEW MEXICO "BZ" STATE NCT-10 NO. 3

✓ Arco Oil & Gas Company
P. O. Box 1610
Midland, Texas 79702

✓ Conoco, Inc.
Five Greenway Plaza
Houston, Texas 77001

AUG 20 1984

RECEIVED

✓ Getty Oil Company
P. O. Box 730
Hobbs, New Mexico 88240

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

✓ Elwyn C. Hale
P. O. Box 763
Hobbs, New Mexico 88240

Mobil Producing Texas & New Mexico, Inc.
901 East Bender
Hobbs, New Mexico 88240

✓ Tahoe Oil & Cattle Company
4402 W. Industrial
Midland, Texas 79703

✓ Union Texas Petroleum Corporation
P. O. Box 2120, One Riverway
Houston, Texas 77252-2120

DATA SHEET FOR WELLBORE COMMINGLING

Operator: TEXACO INC.

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

Lease and Well No.: New Mexico "BZ" State NCT-10 No. 3

Location: Unit L, 1980' FSL and 989' FWL of Section 2, T-25-S, R-37-E,
Lea County, New Mexico.

WELL DATA

	<u>Upper Pool</u>	<u>Middle Pool</u>	<u>Lower Pool</u>
Name of Pool	<u>Justis Blinebry</u>		<u>Justis Tubb Drinkard</u>
Producing Method	<u>Pump</u>		<u>Pump</u>
BHP	<u>450</u>		<u>700</u>
Type Crude	<u>Sour</u>		<u>Sour</u>
Gravity	<u>37.2</u>		<u>39.4</u>
GOR Limit	<u>6000</u>		<u>6000</u>
Completion Interval	<u>5192' - 5691'</u>		<u>5883' - 6187'</u>
Current Test Data	<u>7-1-84 (Pump)</u>		<u>TR-O (8-71)</u>
Oil	<u>8</u>		<u>3</u>
Water	<u>0</u>		<u>2</u>
GOR	<u>6000</u>		<u>900</u>
Selling Price of Crude - \$/BBL.	<u>28.58</u>		<u>-</u>
Daily Income - \$/Day	<u>228.64</u>		<u>0</u>

COMMINGLED DATA:

Gravity of Commingled Crude 37.2

Selling Price of Commingled Crude - \$/BBL. 28.58

Daily Income - \$/Day 657.34

Net (Gain) (~~Loss~~) from Wellbore Commingling - \$/Day 428.70
based on current producing rates.

JAREL SERVICES, INC.

POST OFFICE BOX 1654

PHONES 505 393-5396 — 393-8274

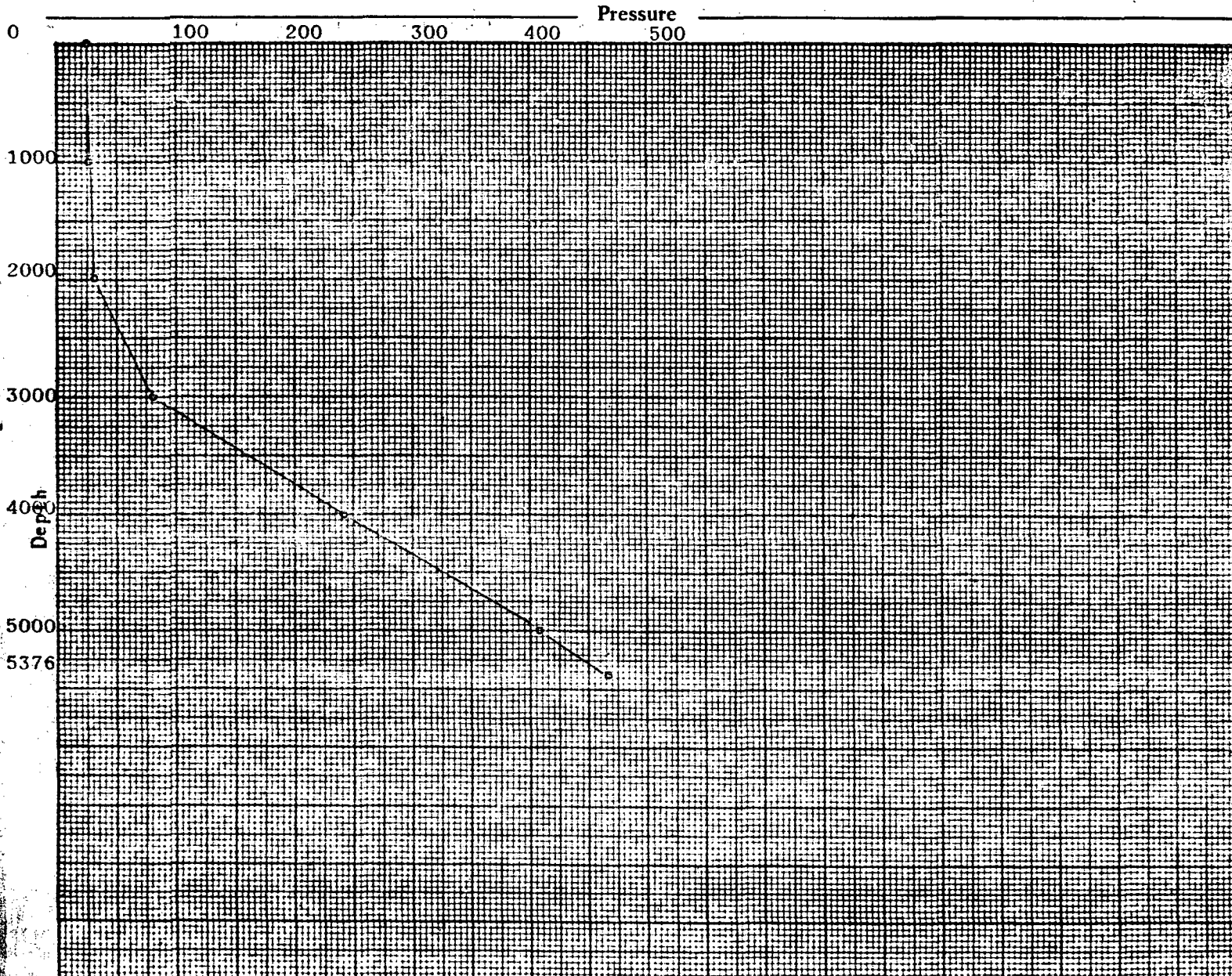
HOBBS, NEW MEXICO 88240

BOTTOM HOLE PRESSURE RECORD

OPERATOR Texaco Inc.
 FIELD Justis
 FORMATION Blinebry
 LEASE G.L. Erwin A Federal WELL #1
 COUNTY Lea STATE New Mexico
 DATE 11/18/80 TIME 4:15 PM
 Status Swabbed & Flowing
 Test Depth 5376
 Time S. I. - Last test date -
 Tub Pres. 25 BHP last test -
 Cas. Pres. - BHP change -
 Elev. 3184' DF-11 Fluid top Flowing
 Datum 106' F Water top JSI #12
 Temp. @ A20274N Run by 1
 Cal. No. - Chart No. -

Depth	Pressure	Gradient
0	25	-
1000	27	.002
2000	31	.004
3000	81	.050
4000	242	.161
5000	408	.166
5376 (-2192)	467 **	.157

** MIDPOINT OF CASING PERFORATIONS



JAREL SERVICES, INC.

POST OFFICE BOX 1654

PHONES 505 393-5396 — 393-8274

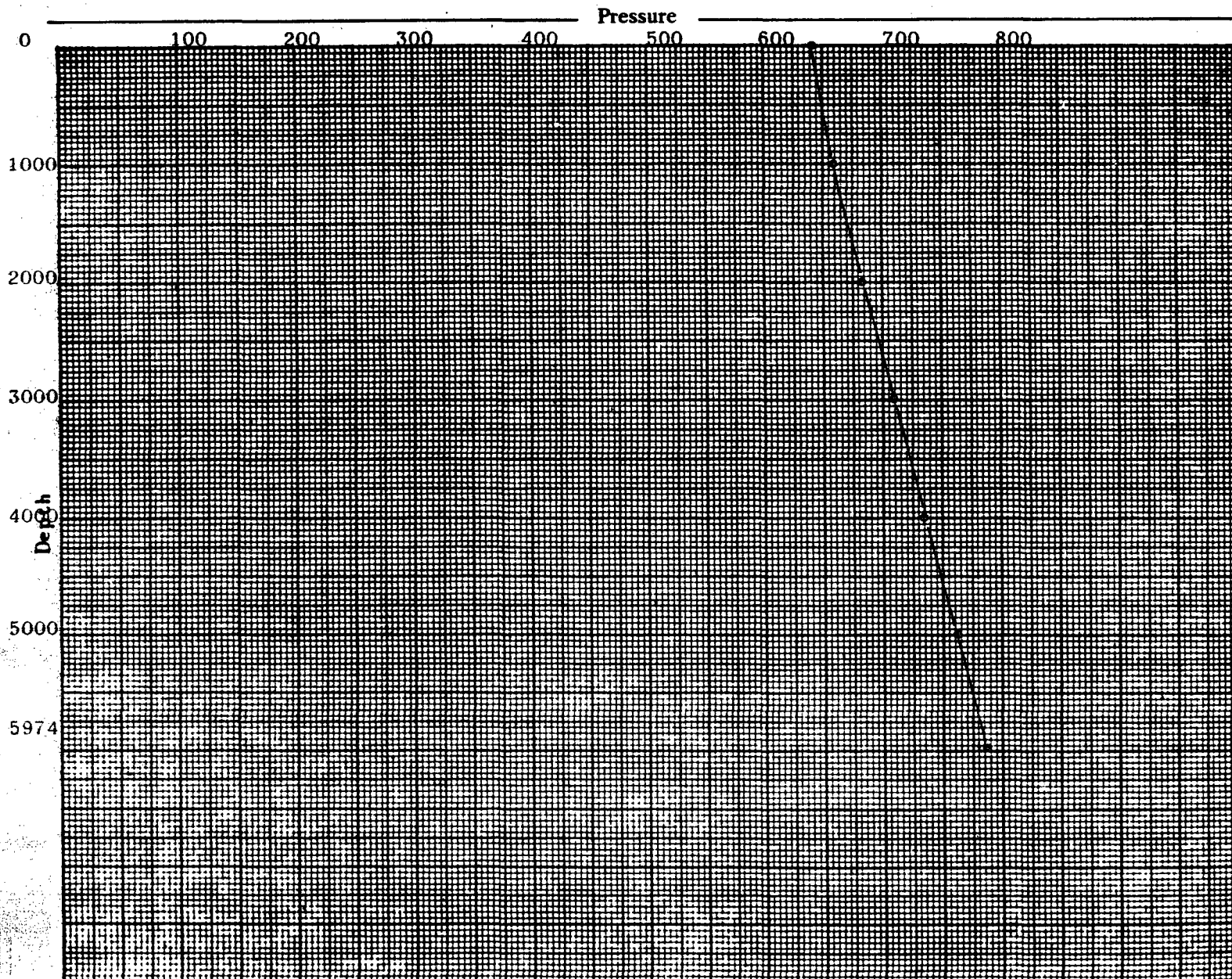
HOBBS, NEW MEXICO 88240

OPERATOR Texaco, Inc.
 FIELD Justis
 FORMATION Drinkard
 LEASE CC Fristo B NCT-2 WELL #6
 COUNTY Lea STATE New Mexico
 DATE 10/3/80 TIME 9:00 AM
 Status Shut in
 Test Depth 5974'
 Time S. I. 9 days Last test date -
 Tub Pres. 641 BHP last test -
 Cas. Pres. Triple BHP change -
 Elev. 3178' DF Fluid top None
 Datum (-2796) ** Water top None
 Temp. @ 106° F Run by JSI #10
 Cal. No. A33196N Chart No. 1

BOTTOM HOLE PRESSURE RECORD

Depth	Pressure	Gradient
0	641	-
1000	658	.017
2000	683	.025
3000	709	.026
4000	735	.026
5000	762	.027
5974 (-2796)	788 **	.027

** MIDPOINT OF CASING PERFORATIONS



GAS-OIL RATIO TESTS

Operator		Pool		County												
TEXACO Inc.		Justis Blinebry		Lea												
Address		P. O. Box 728, Hobbs, New Mexico 88240		TYPE OF TEST - (X)												
LEASE NAME		WELL NO.		DATE OF TEST												
		LOCATION		STATUS												
		U S T R		CHOKE SIZE												
				TBG. PRESS.												
				DAILY ALLOW-ABLE												
				LENGTH OF TEST HOURS												
				WATER BBLs.												
				PROD. DURING TEST												
				OIL BBLs.												
				GAS M.C.F.												
				GAS - OIL RATIO CU.FT/BBL												
New Mexico "BZ" State NCT-10	3	L	2	25S	37E	7-1-84	P			11	24	3	37.2	8	48	6000

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 Division.

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.

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

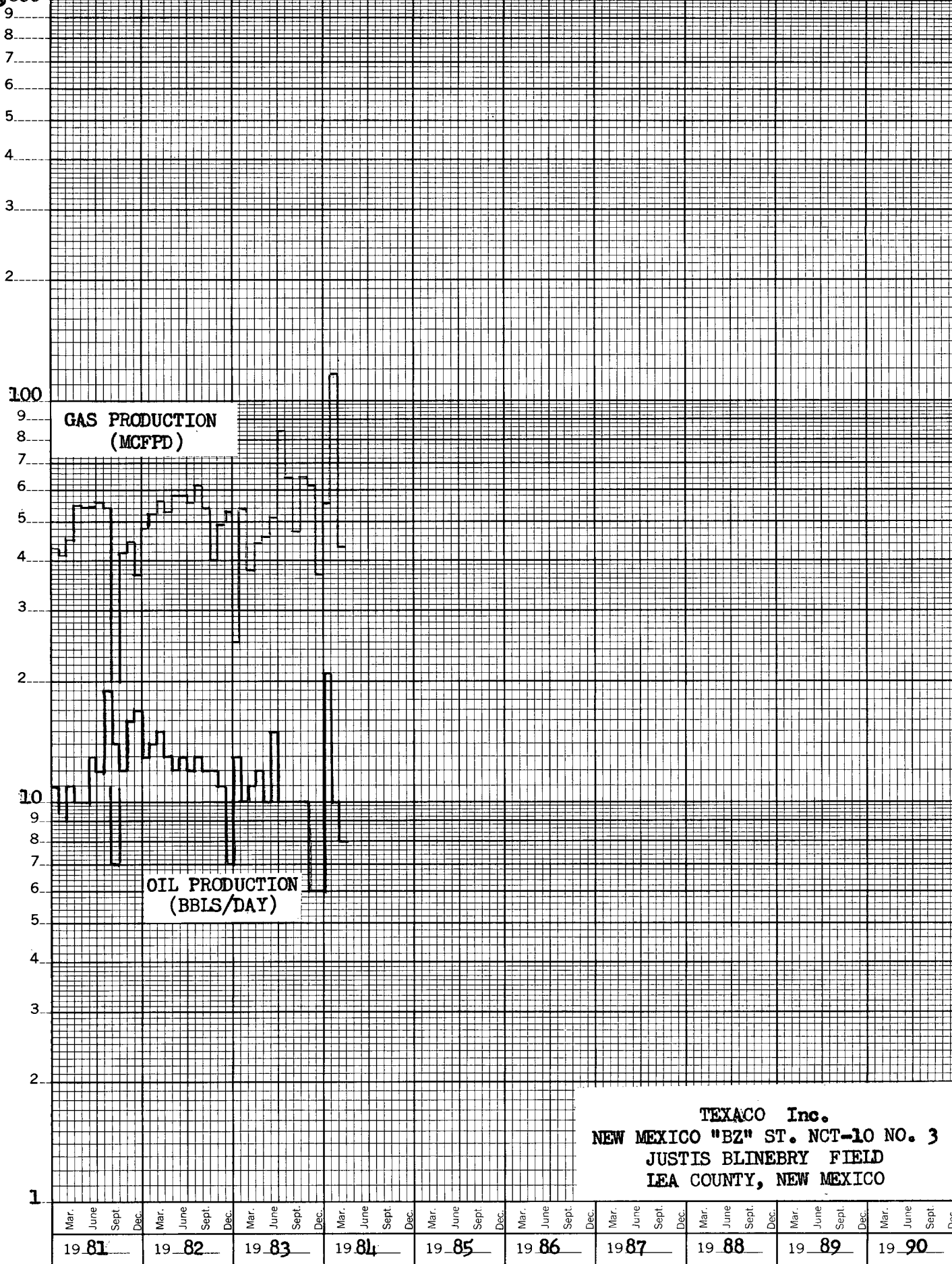
I hereby certify that the above information is true and complete to the best of my knowledge and belief.


(Signature)

Assistant District Manager

August 14, 1984
(Date)

1,000



1,000

9
8
7
6
5
4
3
2

100
9
8
7
6
5
4
3
2

10
9
8
7
6
5
4
3
2
1

*GAS LESS THAN 2 MCFPD
LAST THREE YEARS PRODUCTION

OIL PRODUCTION
(BBL/DAY)

TA 9-19-71

TEXACO Inc.
NEW MEXICO "BZ" ST. NCT-10 NO. 3
JUSTIS TUBB-DRINKARD FIELD
LEA COUNTY, NEW MEXICO

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 <u>68</u>				19 <u>69</u>				19 <u>70</u>				19 <u>71</u>				19 <u>72</u>				19 <u>73</u>				19 <u>74</u>				19 <u>75</u>				19 <u>76</u>				19 <u>77</u>			

WELL NAME: No. 3 New Mexico
B7 - State NCI-10 No. 3
DATE: 5-17-84

Present Wellbore

Size 2 7/8
wt. 6.4 #
grade J-55
set @ 6243
hole size 7 5/8
cement 900 SX
cmt. top @ 2600' (temp. survey)

SIZE: 11 3/4
WEIGHT: 23.72
GRADE: N/A
SET @: 249
HOLE SIZE: 15
CEMENT: 350 SX
cmt. circ.

SIZE: 8 5/8
WEIGHT: 24
GRADE: J-55
SET @: 3500
HOLE SIZE: 10 5/8
CEMENT: 250 SX
cmt. top @ 1860' (temp. survey)

Size 2 7/8
wt. 6.4 #
grade J-55
set @ 6244
hole size 7 5/8
cement 900 SX
cmt. top @ 2600' (temp. survey)

Top 5192
Blincbry
PerS (9-71) 5192-97 (13SPF), 5221, 22, 26, 29, 31, 34, 36, 39,
w/13SPF, 5249-52 w/13SPF
PerS (1-70) 5273-79 (13SPF), 5281, 82, 5308, 12, (13SPI),
5321-24 (13SPF), 5352, 98, 99, 5416, 18, 83, 84, (13SPI)
5488-90, 5523-25 (13SPF), 5555, 59 (13SPI)
PerS (2-65) 5421, 23, 26, 86, 5535, 49, 57, 66, 70, 81, 5605 (13SPI)
PerS (2-63) 5644, 66, 78, 91 (13SPI)
Bottom 5691
RA Collar @ 5605'

(3-84) Pnp anchor : bottom of pnp cage @ 5560'
(12-83) Pnp anchor LIH @ 5685
Communications Sound 5589 - 5620 (9-71)
DHC PerS (5-74) 5651 - 661'

5713' CIBP set (9-71)
Fish LIH (9-71), 8- 5/8 rods : pump
Top @ 5750'

Justis Tubbs Drinkard Top 5883

5-14-74 Tapped TD at 6016'
Possibly Frac sand & ball sealers

PerS (9-65) 6008, 16, 21, 37, 52, 65 w/13SPI
PerS (8-63) 6087, 103, 115, 124, 138, 174, 187 w/13SPI

Bottom 6187

TD = 6244

PRTD = 6204'

PRTD = 6211'

WELL NAME & No: New Mexico

"BZ" State NCT-10 No. 3

DATE: 5-17-84

Proposed Wellbore

Size 2 7/8
wt. 6.4"
grade J-55
set @ 6243
hole size 7 7/8
cement 900 SX
cml. top @ 2600' (temp. survey)

Propose 2 1/16" production tubing

Top 5192

Blincbry

PerS (9-71) 5192-97 (13SPF), 5221, 22, 26, 29, 31, 34, 36, 39,
w/13SPF, 5249-52 w/13SPF

PerS (1-70) 5273-79 (13SPF), 5281, 82, 5308, 12, (13SPF),
5321-24 (13SPF), 5352, 98, 99, 5416, 18, 83, 84, (13SPF)
5488-90, 5523-25 (13SPF), 5555, 59 (13SPF)

PerS (2-65) 5421, 23, 26, 86, 5535, 49, 57, 66, 70, 81, 5605 (13SPF)

PerS (8-63) 5644, 66, 78, 91 (13SPF)

Bottom 5691

RA Collar @ 5605'

Top 5883

Justis Tubb Drinkard

Proposed perSs 5883', 87', 5902', 19', 89', 98'
6006', 16, 21, 48, 52, 59, 65, 87, 6103, 24, 38, 74, 87 (23SPF)
5915-17, 5982-86, 6036'-38' 2 JSPF

total 60 holes

Bottom 6187

PRTD = 6204'

PRTD = 6211'

SIZE: 11 3/4
WEIGHT: 23.72
GRADE:
SET @: 249
HOLE SIZE: 15
CEMENT: 350 SX
cml. circ.

SIZE: 8 3/8
WEIGHT: 24
GRADE: J-55
SET @: 3500
HOLE SIZE: 10 5/8
CEMENT: 850 SX
cml. top @ 1860' (temp. survey)

Size 2 7/8
wt. 6.4"
grade J-55
set @ 6244
hole size 7 7/8
cement 900 SX
cml. top @ 2600' (temp. survey)

(3-84) Pmp anchor: bottom of pmp cage @ 5560'
(12-83) Pmp anchor LTH @ 5685

Communications Sound 5589 - 5620 (9-71)

DHC PerS (5-74) 5651' - 661'

5713' CIBP set (9-71)

Fish LTH (9-71), 8- 5/8" rods: pump
Top @ 5750'

Justis Tubb Drinkard

PerS (9-65) 6006, 16, 21, 37, 52, 65 w/13SPF
PerS (8-63) 6007, 103, 115, 124, 138, 174, 187 w/13SPF

Bottom 6187

TD = 6244

Reading & B.
"Masley"

R-37-E

G.L. Erwin

U.S.

G.L. Erwin

Texaco

"A"

NCT-2

Getty

"BB"

Shell

"JP"

Shell

"JM"

Amerada

"NJA"

Natl. Co

Getty

"L"

E.C. Hale
Tahoe

"Hale"

Texaco

Continental

Exxon

Cities

"BZ"

NCT-10

"A-2"

"BM"

C.C. Fristoe
U.S.

State

Gulf

Gulf

Union Tex.

Atlantic - Richfield

J.A. Stuart

"Jal"

Texas Pacific

"B"

"Stuart"

"Langlie"

Union Tex.

Union Tex.

Union Tex.

"Two States Stuart"

"Olsen Stuart"

G.M. Cone Est

J.C. Rhodes

TEXACO Inc.
JUSTIS BLINEBRY POOL
LEA COUNTY, NEW MEXICO

SCALE: 0 1000' 2000'



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

August 20, 1984

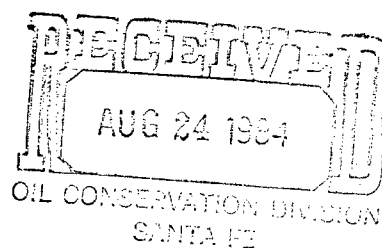
TONEY ANAYA
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88240
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC	
DHC	X
NSL	
NSP	
SWD	
WFX	
PMX	



Gentlemen:

I have examined the application for the:

Texaco Inc.	New Mexico BZ State NCT-10	No. 3-L	1-25-37
Operator	Lease & Well No.	Unit	S-T-R

and my recommendations are as follows:

.K.---J.S.

Yours very truly,

Melba Carpenter
for Jerry Sexton
Supervisor, District 1

/mc