



PETROLEUM PRODUCTS

July 10, 1970

000 000 000
70 JUL 13 AM 8 09

TEXACO INC.
DRAWER 728
HOBBS, NEW MEXICO 88240

WELLBORE COMMINGLING

C.H. Lockhart Federal (NCT-1) Lease, Well No. 2
Blinebry and Tubb (Oil) Pools
Lea County, New Mexico

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

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

Gentlemen:

DHC-57
Rec Aug 3

TEXACO Inc. respectfully requests administrative approval under the provisions of Order No. R-3845 to commingle in the wellbore oil production from the Blinebry Pool and the Tubb Oil Pool which are dually completed as permitted by Administrative Order No. DC-900 dated February 8, 1960 in Well No. 2 on the C.H. Lockhart Federal (NCT-1) Lease located in Section 18, Township 22-South, Range 38-East, Lea County, New Mexico.

The subject well for which wellbore commingling approval is requested qualifies under the provisions of Statewide Rule 303 C, which provides for administrative application and approval of wellbore commingling. Both zones are classified as oil zones and produce oil and gas at rates below the limits specified in the subject order. The Blinebry zone is produced by artificial lift while the Tubb oil zone flows. A 26-hour shut-in bottom hole pressure was run on the Tubb oil zone as required. The results are reported on the attached DATA SHEET FOR WELLBORE COMMINGLING. The Blinebry zone is rod pumped, and production after commingling will be artificially lifted. No water is produced from either of the two zones completed in the well. The fluids from these two reservoirs have been commingled on the surface in common storage for several years and are known to be compatible. There has been no evidence of undesirable scale or precipitates. 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 recovery operations will not be jeopardized by approval of the application.

In further compliance with the above mentioned order, a data sheet is attached listing all required data for the two reservoirs that are productive in the well. Also attached is a production decline curve for each zone in the well which may be used for allocating production. Well tests are also attached as submitted on Form C-116.

NMOCC

- 2 -

July 10, 1970

The lease on which the subject well is located is a Federal Lease, and a copy of this application is being submitted to the U.S. Geological Survey. Copies are also being mailed to each of the offset operators shown on the attached list.

Yours very truly,



W. E. Morgan
District Superintendent

JMG/BRH-BH

CC: USGS-Hobbs
All Offset Operators

VSP

Attachments

LIST OF OFFSET OPERATORS

TEXACO Inc.
C.H. LOCKHART FEDERAL (NCT-1) LEASE
LEA COUNTY, NEW MEXICO

Gulf Oil Corporation
P.O. Drawer 669
Roswell, New Mexico 88201

Humble Oil & Refining Company
P.O. Box 1600
Midland, Texas 79701

American Petrofina Company of Texas
P.O. Box 1311
Big Spring, Texas 79720

Texas Pacific Oil Company
P.O. Box 1069
Hobbs, New Mexico 88240

Sohio Petroleum Company
P.O. Box 3167
Midland, Texas 79701

Mark Production
1108 Simons Bldg.
Dallas, Texas 75201

DATA SHEET FOR WELLBORE COMMINGLING

Operator: **TEXACO Inc.**

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

Lease and Well No: **C. H. Lockhart Federal (NCT-1), Well No. 2**

Location: Unit D; 660 Feet from the North Line and
660 Feet from West Line of Section 18;
Township 22-South, Range 38-East; Lea County.

WELL DATA

	<u>Upper Pool</u>	<u>Lower Pool</u>
Name of Pool	<u>Blinebry</u> ⁶⁰⁰⁰	<u>Tubb Oil</u> ^{21,000}
Producing Method	<u>Pump</u>	<u>Flow</u>
BHP	<u>1000 (Est.)</u>	<u>1191 (Bomb, 6-13-70)</u>
Type Crude	<u>Intermediate Sweet</u>	<u>Intermediate Sweet</u>
Gravity	<u>38.0</u>	<u>38.8</u>
GOR Limit	<u>6000</u>	<u>2000</u>
Completion Interval	<u>5560 - 5670</u>	<u>6128 - 6210</u>
Current Test Date	<u>6-9-70</u>	<u>6-10-70</u>
Oil	<u>5</u>	<u>2</u>
Water	<u>-</u>	<u>-</u>
GOR	<u>3875</u>	<u>10,000</u>
Selling Price of Crude-\$/BBL.	<u>3.32</u>	<u>3.32</u>
Daily Income - \$/Day	<u>16.60</u>	<u>6.64</u>

COMMINGLED DATA:

Gravity of Commingled Crude 38.2

Selling Price of Commingled Crude - \$/BBL. 3.32

Daily Income - \$/Day 23.24

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

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS


C-116
Revised 1-1-65

Operator TEXACO Inc.		Pool Blinebry and Tubb		County Lea	
Address P. O. Box 728 - Hobbs, New Mexico 88240				TYPE OF TEST - (X)	Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>
LEASE NAME	WELL NO.	LOCATION U S T R		DATE OF TEST	GAS - OIL RATIO CU. FT./BBL.
C. H. Lockhart Fed. (MCT-1)	2	D	18	22-S 30-E	
Blinebry				6-9-70	3875
				P -	
				6-10-70	
				P 16/64	
				440	
				2	
				24	
				0	
				38.8	
				2	
				20.0	
				10,000	

THIS IS A TEST PRIOR TO DOWNHOLE COMINGLING.

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)
July 9, 1970
 (Date)

10,000

TEXACO Inc.
C. H. LOCKHART FEDERAL (NCT - 1) LEASE
WELL NO. 2
Unit D, Sec. 18, T-22-S, R-38-E
BLINEBRY AND TUBB POOLS
LEA COUNTY, NEW MEXICO

BRH/JMG

7-9-70

1,000

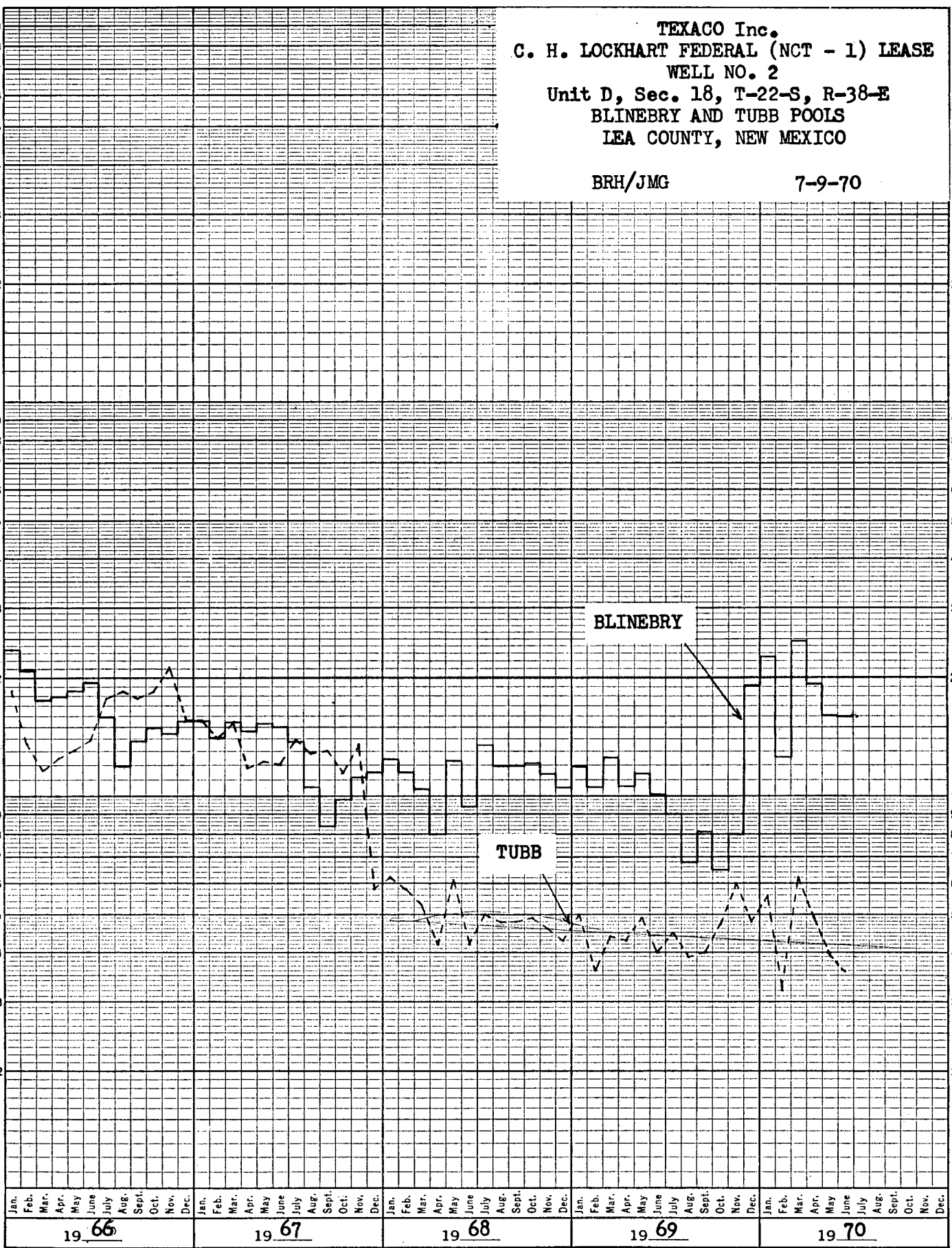
OIL PRODUCTION - BBLS/MO.

BLINEBRY

TUBB

100

10



19 66

19 67

19 68

19 69

19 70

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

112

42

112
154