

TEXACO
INC.

DEC 11 1969

PETROLEUM PRODUCTS



DRAWER 728

HOBBS, NEW MEXICO 88240

December 10, 1969

DHC-25
Dec 12/31

WELLBORE COMMINGLING
TUBB (OIL) AND DRINKARD 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:

TEXACO Inc. respectfully requests administrative approval under the provisions of Order No. R-3845 to commingle in the wellbore oil production from the Tubb Oil Pool and the Drinkard Pool which are dually completed in Well No. 33 on the A. H. Blinbry Federal NCT-1 Lease located in Section 28, 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. Zones which produce in each wellbore produce oil and gas at rates below the limits specified in the subject order. No water is produced from either of the two zones completed in the well. The Tubb zone is produced by artificial lift while the Drinkard zone flows. A 48 hour shut-in bottom hole pressure was run on the Drinkard zone on November 22, 1969, as required. A copy of the results of the BHP is attached. 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. There are no secondary recovery operations in the immediate vicinity.

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December 10, 1969

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.

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

BRH-cr

Attachment

DATA SHEET FOR WELLBORE COMMINGLING

Operator: TEXACO Inc.

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

Lease and Well No: A. H. Blinebry Federal (NCT-1) No. 33

Location: Unit D ; 660 Feet from the North Line and
660 Feet from West Line of Section 28 ;
Township 22-S , Range 38-E ; Lea County.

Multiple Completion Order No. MC-1699

WELL DATA

| | <u>Upper Pool</u> | <u>Lower Pool</u> |
|--------------------------------|-----------------------|------------------------|
| Name of Pool | <u>Tubb (Oil)</u> | <u>Drinkard</u> |
| Producing Method | <u>Pump</u> | <u>Flow</u> |
| BHP | <u>850 psi (Est.)</u> | <u>1100 psi (Bomb)</u> |
| Type Crude | <u>Inter. Sweet</u> | <u>Inter Sweet</u> |
| Gravity | <u>40.0°</u> | <u>38.8°</u> |
| GOR Limit | <u>2000:1</u> | <u>2000:1</u> |
| Completion Interval | <u>6350' - 6420'</u> | <u>7044' - 7311'</u> |
| Current Test Date | <u>12-4-69</u> | <u>12-6-69</u> |
| Oil | <u>4</u> | <u>7</u> |
| Water | <u>0</u> | <u>0</u> |
| GOR | <u>3500</u> | <u>3000</u> |
| Selling Price of Crude-\$/BBL. | <u>\$3.36</u> | <u>\$3.32</u> |
| Daily Income - \$/Day | <u>\$13.44</u> | <u>\$23.24</u> |

COMMINGLED DATA:

Gravity of Commingled Crude 39.2°

Selling Price of Commingled Crude - \$/BBL. \$3.34

Daily Income - \$/Day \$36.74

Net (Gain) ~~(Loss)~~ From Wellbore Commingling - \$/Day \$0.06
based on current producing rates.

List of Offset Operators
TEXACO Inc.

A. H. Blinbry Federal (NCT-1) Lease
Lea County, New Mexico

Gulf Oil Company - U. S.
P. O. Box 1938
Roswell, New Mexico 88201

R. M. Moran
P. O. Box 1718
Hobbs, New Mexico 88240

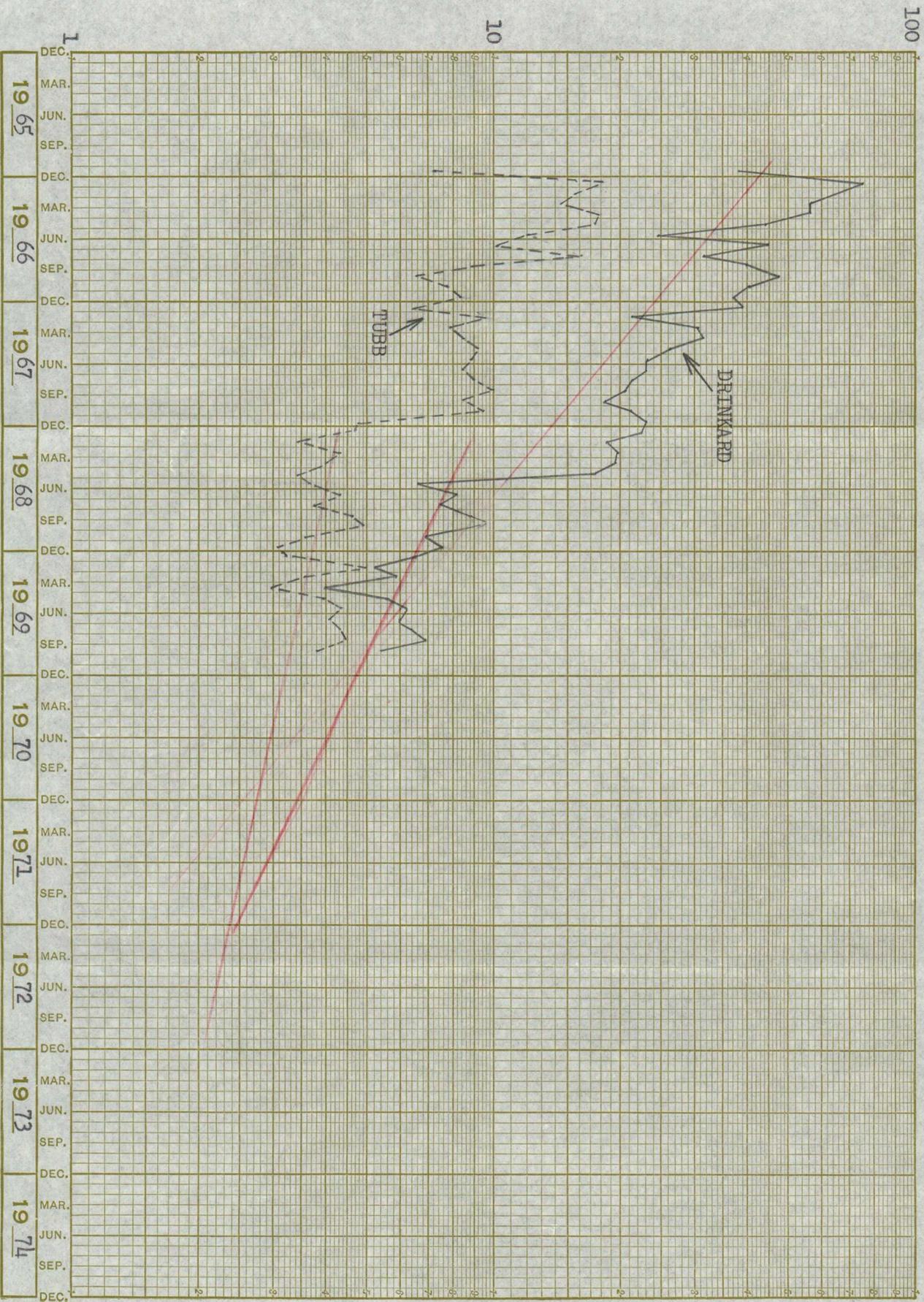
Union Texas Natural Gas Corporation
P. O. Box 196
Midland, Texas 79701

E. A. Hanson
P. O. Box 1515
Roswell, New Mexico 88201

Western Oil Fields
P. O. Box 1147
Hobbs, New Mexico 88240

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

BARRELS OF OIL PER DAY



TEXACO INC.
 PERFORMANCE CURVE
 A.H. BLINEBRY FED. (NCT-1) NO. 33
 TUBB (OIL) & DRINKARD POOLS
 IEA COUNTY, NEW MEXICO

NEW MEXICO OIL CONSERVATION COMMISSION
GAS - OIL RATIO TESTS

C-116
Revised 1-1-65

| Operator | | Pool | | County | | | | | | | | | | | |
|--|----------|------------------------------------|----|---|----|---|------------|-------------|------------------|----------------------|-------------------|-----------|-----------|------------------------------|------------|
| TEXACO Inc. | | Tubb (Oil) and Drinkard | | Lea | | | | | | | | | | | |
| Address | | TYPE OF TEST - (X) | | Completion <input type="checkbox"/> | | Special <input checked="" type="checkbox"/> | | | | | | | | | |
| P. O. Box 728 - Hobbs, New Mexico 88240 | | Scheduled <input type="checkbox"/> | | Special <input checked="" type="checkbox"/> | | | | | | | | | | | |
| 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. | | GAS M.C.F. |
| A. H. Blinebry Fed. (NCT-1) | | | | | | | | | | | | | | | |
| Tubb (Oil) Pool | 33 | D | 28 | 22 | 38 | 12-4-69 | P - | - | 5 | 24 | 0 | 40 | 4 | 14 | 3500 |
| Drinkard Pool | 33 | D | 28 | 22 | 38 | 12-6-69 | F 28/64 | 135 | 7 | 24 | 0 | 38.8 | 7 | 21 | 3000 |
| THIS IS A SPECIAL TEST PRIOR TO DOWNHOLE COMINGLING. | | | | | | | | | | | | | | | |

No well will be assigned an allowable greater than the amount of oil produced on the official test.

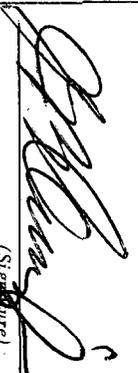
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized 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
December 9, 1969
(Date)



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 DRINKARD FORMATION DRINKARD
 LEASE A.H. BLINEBRY (NCT-1) WELL No. 33
 COUNTY LEA STATE NEW MEXICO
 DATE 11-22-69 TIME 10:00 AM
 Status SHUT IN Test depth 7178'
 Time S. I. 48.0 HRS Last test date 12-17-65
 Tub Pres. 885 BHP last test 2437
 Cas. Pres. DUAL BHP change 1337# Loss
 Elev. 3380' DF Fluid top NONE
 Datum (-3050) (-3798)** Water top NONE
 Temp. @ 108°F Run by WATSON
 Cal. No. A4586N Chart No. 1

| Depth | Pressure | Gradient |
|--------------|----------|----------|
| 0 | 885 | - |
| 1000 | 911 | .026 |
| 2000 | 939 | .028 |
| 4000 | 999 | .030 |
| 5000 | 1030 | .031 |
| 6000 | 1061 | .031 |
| 6430 (-3050) | 1075* | .033 |
| 7178 (-3798) | 1100** | .033 |

* FIELD DATUM
 ** MID POINT OF CASING PERFORATIONS

