



PETROLEUM PRODUCTS

PRODUCING DEPARTMENT -
UNITED STATES
MIDLAND DIVISION
DARRELL SMITH
DIVISION MANAGER

November 18, 1969

NOV 20 1969

Due 12/10

TEXACO INC.
P. O. BOX 3109
MIDLAND, TEXAS 79701

WELLBORE COMMINGLING
TUBB (OIL) AND DRINKARD POOLS
LEA COUNTY, NEW MEXICO

New Mexico Oil Conservation Commission (2)
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 amending Statewide Rule 303 to commingle in the wellbore of Texaco Inc. C. H. Lockhart Federal NCT-1 Well No. 5 the oil and gas production from the Tubb Oil reservoir and the Drinkard reservoir which are dually completed in the same wellbore. This well is located in Unit C of Section 18, Township 22 South, Range 38 East, Lea County, New Mexico.

The subject well qualifies under the provisions of Section C.1. in that both completions are classified as oil reservoirs and produce oil and water volumes within the prescribed limits. The fluids are compatible and their value will not be reduced by commingling. Mineral interest ownership is common and secondary recovery operations will not be jeopardized. The subject well has been shut-in since August 11, 1969 as directed by your Hobbs office subsequent to a packer leakage test indicating communication between zones. Communication precluded a measurement of reservoir pressure for the Tubb reservoir which is capable of flowing. The commingled production will be produced artificially by rod pumping.

Attached is a data sheet for wellbore commingling listing all pertinent data, recent production tests as reported on Form C-116, a set of production performance curves and a list of offset operators. Each offset operator is receiving a copy of this application and approval is being requested of the U. S. Geological Survey as royalty interest owner.

Yours very truly,

Darrell Smith

By


C. L. Whigham
Division Proration Engineer

CLW/pw
Attach



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DATA SHEET FOR WELLBORE COMMINGLING

Operator: TEXACO Inc.

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

Lease and Well No: C. H. Lockhart Fed. (NCT-1) No. 5

Location: Unit C; 1980 Feet from the West Line and
660 Feet from North Line of Section 18;

Township 22-S, Range 38-E; Lea County.
Multiple Completion Order No. DC-990

WELL DATA

	<u>Upper Pool</u>	<u>Lower Pool</u>
Name of Pool	<u>Tubb (Oil)</u>	<u>Drinkard</u>
Producing Method	<u>Flow</u>	<u>Pump</u>
BHP	<u>800 psi</u>	<u>750 psi</u>
Type Crude	<u>Intermediate Sweet</u>	<u>Intermediate Sweet</u>
Gravity	<u>39.8°</u>	<u>38.2°</u>
GOR Limit	<u>2000:1</u>	<u>2000:1</u>
Completion Interval	<u>6170-6210</u> 40	<u>6810-7025'</u> 50
Current Test Date	<u>7-15-69</u>	<u>7-18-69</u>
Oil	<u>5</u>	<u>4</u>
Water	<u>0</u>	<u>0</u>
GOR	<u>18,600</u>	<u>4000</u>
Selling Price of Crude-\$/BBL.	<u>\$3.34</u>	<u>\$3.32</u>
Daily Income - \$/Day	<u>\$16.70</u>	<u>\$13.28</u>

COMMINGLED DATA:

Gravity of Commingled Crude 39.3°
Selling Price of Commingled Crude - \$/BBL. \$3.34
Daily Income - \$/Day \$30.06

Net (Gain) (~~Loss~~) From Wellbore Commingling - \$/Day 0.08
based on current producing rates.

**NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS**

C-116
Revised 1-1-65

Operator TEXACO Inc.		Pool Tubb (Oil) & Drinkard		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	CHOKE SIZE	TB.G. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST WATER BBLs. GRAV. OIL BBLs. GAS M.C.F.		GAS - OIL RATIO CU.FT./BBL.						
C. H. Lockhart Fed (NCT-1)																	
	Tubb (Oil) Pool	5	C	18	22	38	7-15-69	F	16/64"	130	0	24	0	39.8	5	93	18,600
	Drinkard	5	C	18	22	38	7-18-69	P			0	24	0	38.2	4	16	4,000
<p>This is a test prior to downhole commingling. Well was shut in August 11, 1969, as directed by Mr. Joe D. Ramey. Well has communications between zones.</p>																	

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.

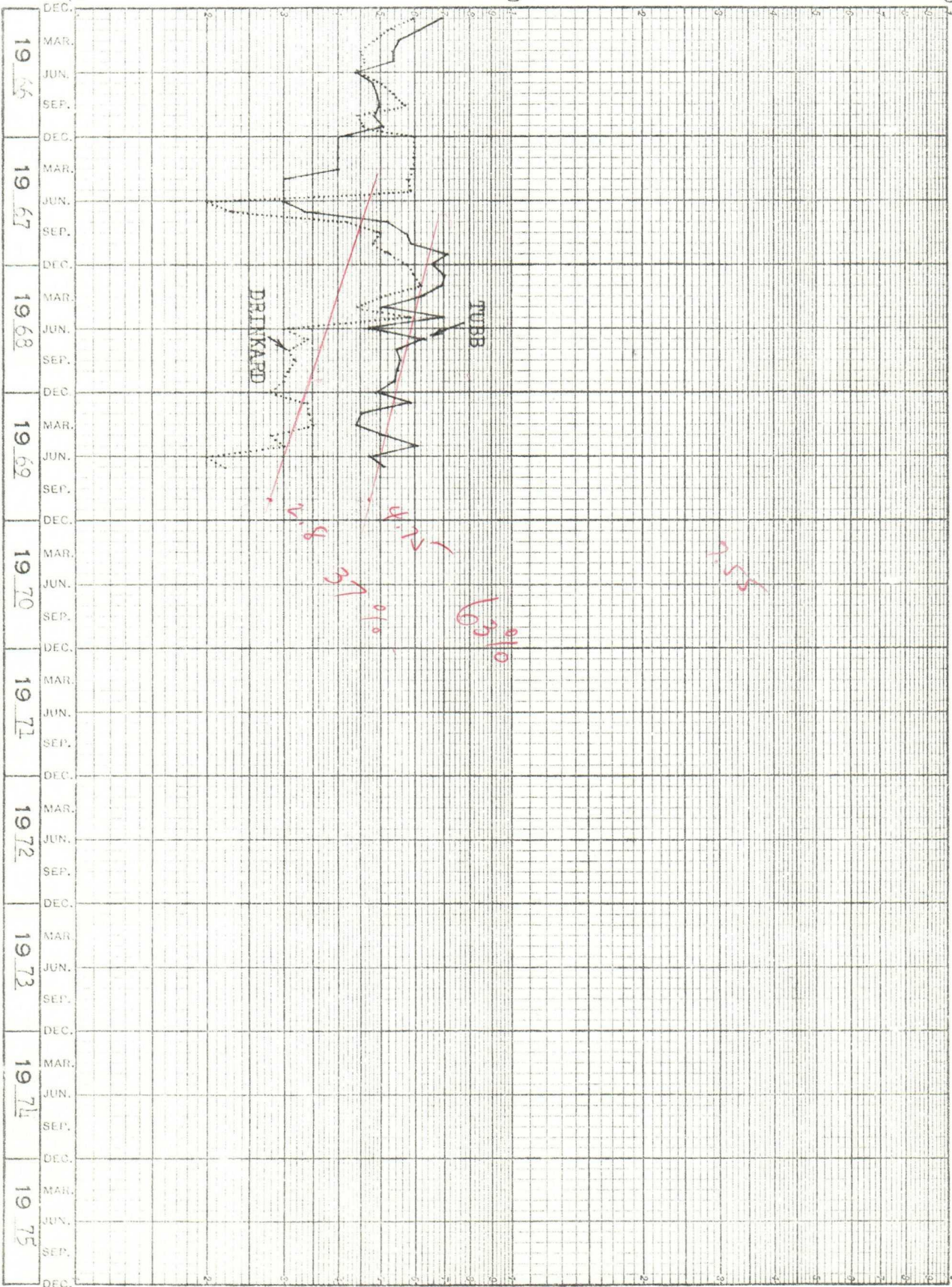
I hereby certify that the above information is true and complete to the best of my knowledge and belief.

(Signature) _____
Assistant District Superintendent
 (Title)
 October 23, 1969
 (Date)

BARRELS/DAY

10

100



TEXACO Inc.
PERFORMANCE CURVE
C. H. LOCKHART FED. (NCT-1) NO. 5
TUBB (OIL) & DRINKARD POOLS
LEA COUNTY, NEW MEXICO

OFFSET OPERATORS

American Petrofina Company of Texas
Box 1311
Big Spring, Texas 79720

Gulf Oil Corporation
Box 1150
Midland, Texas 79701

Humble Oil & Refining Co.
Box 1600
Midland, Texas 79701

Mabee Royalty Inc.
1st Savings & Loan Building
Midland, Texas 79701

Mark Production Company
3340 Republic Building
Dallas, Texas 75201

Sohio Petroleum Co.
Box 3167
Midland, Texas 79701

Texas Pacific Oil Company
Box 4067
Midland, Texas 79701