



PETROLEUM PRODUCTS

July 15, 1970

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TEXACO INC.
DRAWER 728
HOBBS, NEW MEXICO 88240

WELLBORE COMMINGLING

H. H. Harris Lease, Well No. 2
Bronco Siluro Devonian & Bronco Wolfcamp 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 Bronco Siluro Devonian and the Bronco Wolfcamp Pools which are dually completed as permitted by Administrative Order No. R-2812 dated November 12, 1964 in Well No. 2 on the H.H. Harris Lease located in Section 35, Township 12-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 303C, which provides for administrative application and approval of wellbore commingling. Both zones are classified as oil zones and presently produce oil and gas at rates below the limits specified in the subject order. Both the Bronco Siluro Devonian and the Bronco Wolfcamp zones are produced by artificial lift; therefore, production after commingling will be artificially lifted. A low producing fluid level will be maintained to prevent interflow between zones. Both zones produce water in quantities below those specified. 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

DHC - 55
Blue Gray 5

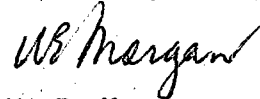
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July 15, 1970

well which may be used for allocating production. Well tests are attached as submitted on Form C-116. Copies are being mailed to each of the offset operators shown on the attached list.

Yours very truly,



W. E. Morgan
District Superintendent

JMG(KWH)-BH

Attachments

LIST OF OFFSET OPERATORS

TEXACO Inc.

H. H. HARRIS LEASE
LEA COUNTY, NEW MEXICO

TAMARACK PETROLEUM CO.
521 MIDLAND SAVINGS BLDG.
MIDLAND, TEXAS 79701

MRS. R.C. LIPSCOMB (LIPSCOMB ESTATE)
901 ALAMO NATIONAL BLDG.
SAN ANTONIO, TEXAS 78200

DATA SHEET FOR WELLBORE COMMINGLING

Operator: TEXACO Inc.

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

Lease and Well No: H. H. Harris Lease, Well No. 2

Location: Unit 0; 650 Feet from the South Line and
1800 Feet from East Line of Section 35;
Township 12-South, Range 38-East; Lea County.

WELL DATA

	<u>Upper Pool</u>	<u>Lower Pool</u>
Name of Pool	<u>Bronco-Wolfcamp</u>	<u>Bronco Siluro Devonian</u>
Producing Method	<u>Pump</u>	<u>Pump</u>
BHP	<u>500 psi</u>	<u>3100 psi</u>
Type of Crude	<u>Intermediate Sweet</u>	<u>Intermediate Sweet</u>
Gravity	<u>43.6</u>	<u>44.2</u>
GOR Limit	<u>2000</u>	<u>2000</u>
Completion Interval	<u>9008 - 9035</u>	<u>11,827 - 11,831</u>
Current Test Date	<u>7-11-70</u>	<u>7-1-70</u>
Oil	<u>3</u>	<u>56</u>
Water	<u>9</u>	<u>1</u>
GOR	<u>525</u>	<u>52</u>
Selling Price of Crude - \$/BBL.	<u>3.36</u>	<u>3.36</u>
Daily Income - \$/Day	<u>10.08</u>	<u>188.16</u>

COMMINGLED DATA:

Gravity of Commingled Crude 44.2
Selling Price of Commingled Crude - \$/BBL. 3.36
Daily Income - \$/Day 198.24
Net (Gain) (Loss) from Wellbore Commingling - \$/Day 0

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County		LEA									
TEXACO Inc.		BRONCO SILURO DEVONIAN & BRONCO WOLFCAMP													
Address		P.O. BOX 728 - HOBBS, NEW MEXICO 88240													
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKES SIZE	TBG. PRESS.	DAILY ALLOWABLE	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.
H. H. HARRIS	2	0	35	12-S 38-E	7-1-70	P	-	61	24	1	44.2	56	2.9	52	
BRONCO SILURO DEVONIAN															
BRONCO WOLFCAMP					7-11-70	P	-	8	24	9	43.6	3	1.6	525	
THIS IS A TEST PRIOR TO DOWNHOLE COMMINGLING.															

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.

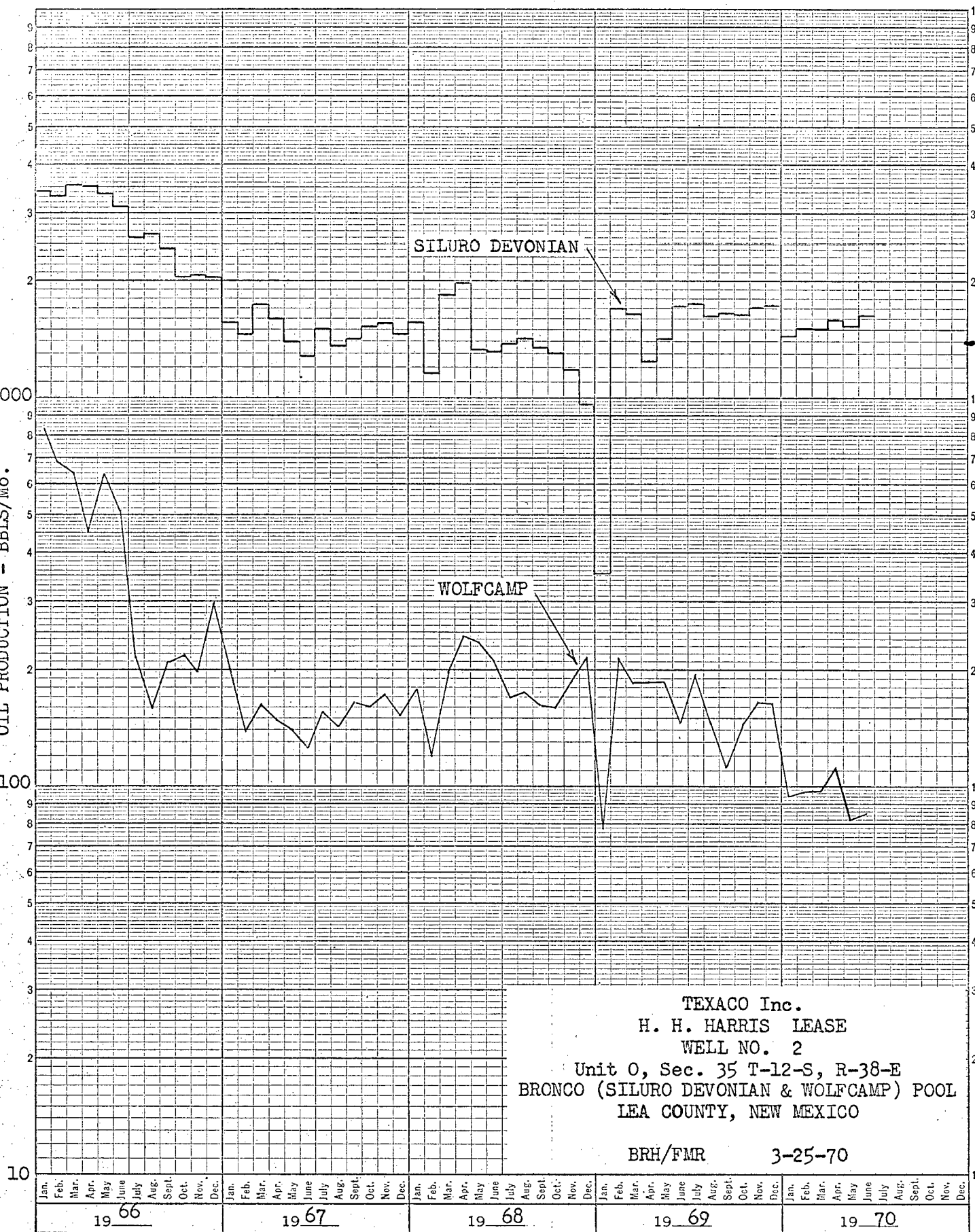
Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

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

J. Schaffer
(Signature)

Assistant District Superintendent
(Title)
July 14, 1970
(Date)

OIL PRODUCTION - BBLS/Mo.



TEXACO Inc.
H. H. HARRIS LEASE
WELL NO. 2
Unit O, Sec. 35 T-12-S, R-38-E
BRONCO (SILURO DEVONIAN & WOLFCAMP) POOL
LEA COUNTY, NEW MEXICO

BRH/FMR 3-25-70