GRAHAM

DALLAS DIVISION

'91 JUN 20 AM 9 12

June 18, 1991

Division Director New Mexico Oil Conservation Commission State Land Office Building Santa Fe, New Mexico 87501

> RE: Request for Downhole Commingling Permit Warlick "A" No. 1 NE SE Section 19-T21S-R33E Lea County, New Mexico Blinebry Field

To Whom It May Concern:

Please find below the information required as application for a permit for downhole commingling regarding the subject well. It is our desire to commingle all four zones.

Rule 303-C

a) Name and Address of Operator:

Graham Royalty, Ltd. 5429 LBJ Fwy, Suite 550 Dallas, Texas 75240

b) Lease name, well number, and location; name of pools to be commingled.

Warlick "A" No. 1 FSL, FEL, Section 19-T21S-R37E Lea County, New Mexico

Eumont Yates	3,385' - 3,636'
Penrose Skelly	3,756' - 3,796'
Blinebry	5,588' - 5,942'
Drinkard	6,594' - 6,664'

c) Plat of area showing the acreage dedicated to the well and the ownership of all offsetting leases.

See Attachment No. 1.

Request for Downhole Commingling Permit Warlick "A" No. 1 June 18, 1991 Page 2

> d) A current (within 30 days) 24 hour productivity test on Division Form C-116 showing amount of oil, gas and water produced from each zone.

See Attachment No. 2.

e) A production decline curve from each zone for at least a period of one year.

See Attachment No. 3.

f) Estimated bottomhole pressure for each artificially lifted zone:

Penrose-Skelly	40	psig
Drinkard	40	psig

g) A description of the field characteristics of each zone showing that the fluids will not be incompatible in the wellbore.

The Warlick "A" No. 1 has and will continue to be operated as a quadruple completion. The produced fluids from the four zones are now commingled in Graham Royalty's State DC lease (shown on map) offsetting this lease to the northwest authorized by Order PC-435 for Amerada Hess Corporation, March 1972. As well as the Warlick No. 2 well on the same lease (Order No.DHC--641).

h) A computation showing that the value of the commingled production will not be less than the sum of the value of the values of the individual streams.

This commingling order will not change the values of the produced streams as all producing operations will remain unchanged.

i) A formula for the allocation of production to each of the commingled zones and a description of the factors or data used in determining such formula.

		<pre>% Allocation</pre>	
	<u>_0i1_</u>	Gas	Water
Penrose-Skelly	12	21	80
Blinebry	0	0	0
Eumont Yates	0	35	0
Drinkard	88	44	20

Request for Downhole Commingling Permit Warlick "A" No. 1 June 18, 1991 Page 3

Attached Forms C-116 were used to determine the above factors.

j) A statement that all offset operators and, in the case of a well on Federal Land, the United States Geological Survey, have been notified in writing of the proposed commingling.

Offset operators have been notified.

k) A statement that the ownerships of the zones to be commingled are common including the working interest, royalty and overriding royalty.

The ownerships of oil and gas produced from all zones to be commingled is common as to royalty, overriding royalty and working interests.

Sincerely,

GRAHAM ROYALTY, LTD.

Jason C. Sizemore Senior Petroleum Engineer

JCS/ca a:war-a#1.com

Attachments

PETRO

R36E

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RE: APPLICATION FOR DOWNHOLE COMMINGLING

The acreage to be allocated production from the Petro-Lewis #2 Warlick 'A' is the NW&SE% of Section 19, T21S-R37E, N.M.P.M., Lea County, New Mexico.

1

	PETRO-LEWIS CORPORATION						
	OFFSET OPERATORS						
	PETRO-LEWIS						
[WARLICK 'A' LEASE						
- Z	LEA CO., NM (": 2000'						

Submit 2 copies to Appropriate District Office. DISTRICT_I P.O. Box 1980, Hobbs, NM 88240 DISTRICT_III P.O. Drawer DD, Artesia, NM 88210 DISTRICT_III DISTRICT_III
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State of New Mexico Energy, Minerals and Natural Resources Department

Form C-116 Revised 1/1/89

OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

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(See Rule 301, Rule 1116 & appropriate pool rules.)

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Date

6/14/91

214/991-3344

Telephone No.

Specific gravity base will be 0.60.

Revised 1/1/89 Form C-116

OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

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Telephone No.

Diserici Office. DISTRICT.1 P.O. Box 1980, Hobbs, NM 88240 DISTRICT.11 P.O. Drawer DD, Aricsia, NM 88210 DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

Submit 2 copies to Appropriate

L. G.			Address		Operator		DISTRICT III 1000 Rio Braz	P.O. Drav	P.O. Box 198	Submit 2 copie District Office.
L. G. Warlick "A"	LEASE NAME		5429 LBJ Fwy, Suite 550 Dallas, TX 75240	Graham Royalty, Ltd.			DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410	P.O. Drawer DD, Artesia, NM 88210	DISTRICT II	Submit 2 copies to Appropriate District Office.
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I hereby certify that the above information complete to the best of my knowledge and belief. Signature Jason C. Sizemore, Sr. Petroleum Printed name and title 6/14/91 214/991-3344		
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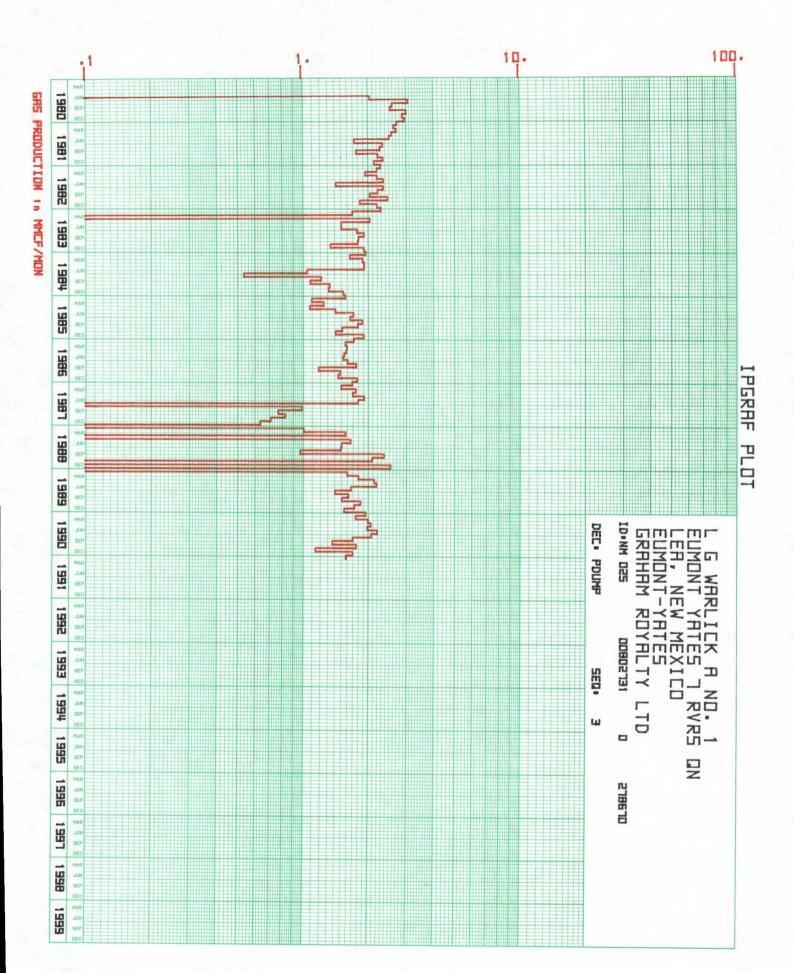
(See Rule 301, Rule 1116 & appropriate pool rules.)

Telephone No.

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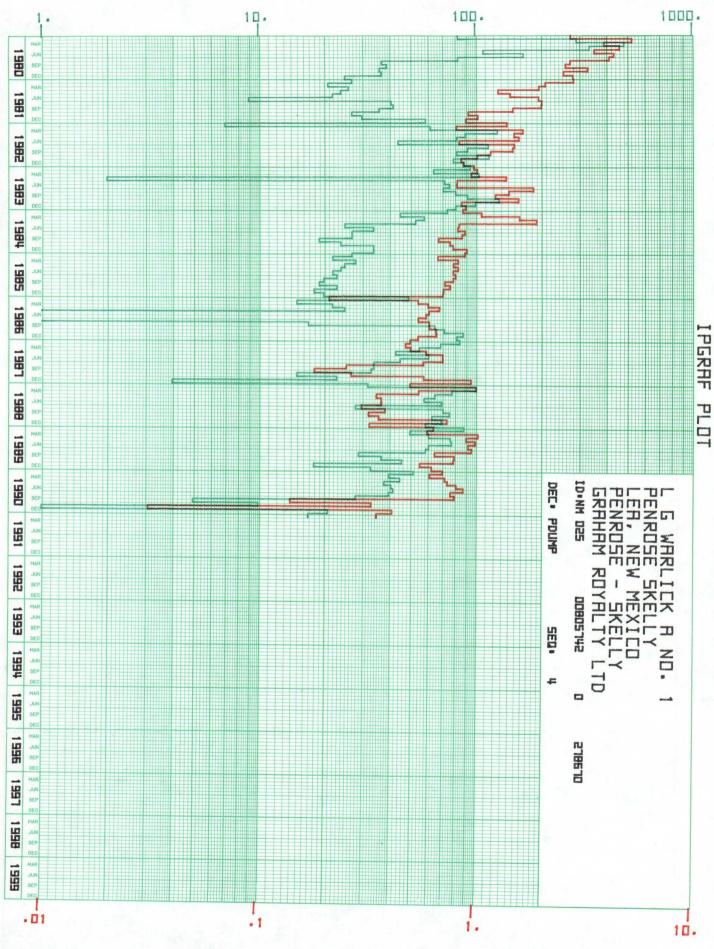
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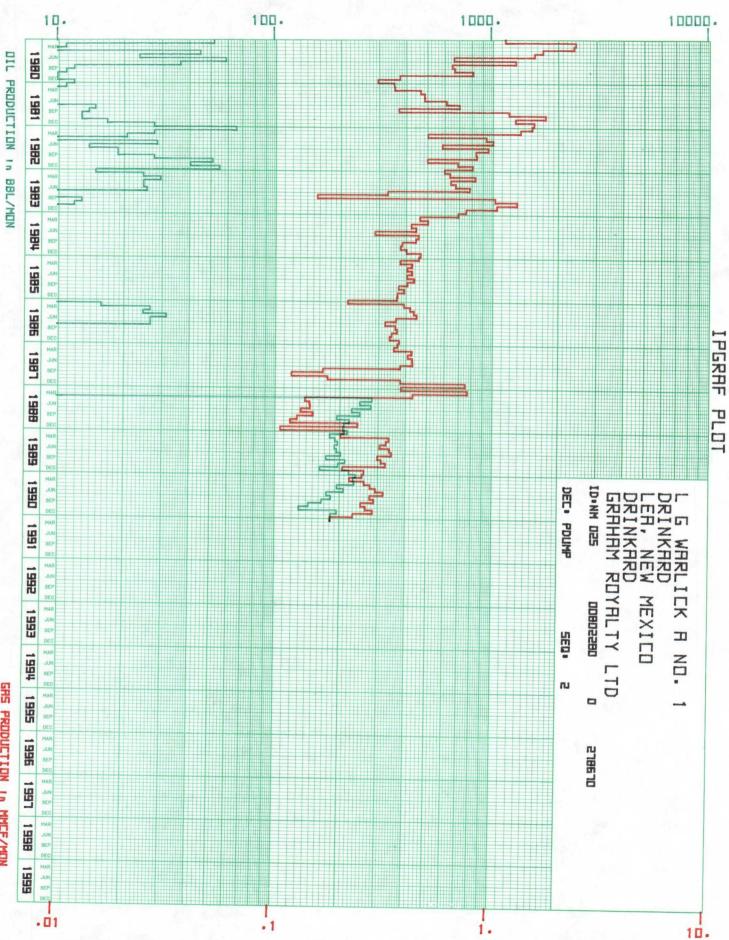
State of New Mexico Energy, Minerals and Natural Resources Department





DIL PRODUCTION IN BBL/MON





GAS PRODUCTION IN MMCF/MON



June 17, 1991

OFFSET OPERATORS

(See Attached List)

Re: Request for Downhole Commingling Permit Rule 303C Warlick "A" No. 1 NE SE Section 19-T21S-R37E Lea County, New Mexico

To Whom It May Concern:

This letter will serve as notification of our application to the New Mexico Oil Conservation Commission for approval of the subject permit. As an offset operator, we request your waiver of objection by signing below and returning one copy to the undersigned and one to the New Mexico Oil Conservation Commission. Thank you for your cooperation.

Respectfully,

GRAHAM ROYALTY, LTD.

Jason C. Sizemore Senior Petroleum Engineer

JCS/ca a:offsetop.wal

Attachment

I do () do not () object to the commingling request for this well.

Signed	
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Date	
------	--

Company _____

Graham 5429 LBJ Freeway Suite 550 Dallas, Texas 75240 (214) 991-3344

Amoco Production Company Attention: Mr. Brian Taylor P. O. Box 3092 Houston, TX 77253

•__

Chevron, USA, Inc, Attention: Production Manager P. O. Box 1150 Midland, TX 79702

Oryx Energy Company Attention: Production Manager P. O. Box 1861 Midland, TX 79702-1861

Campbell and Hedrick c/o Campbell Estate Partnership 2003 Country Club Midland, TX 79701

Campbell and Hedrick c/o O. F. Hedrick Estate 1207 Community Lane Midland, TX 79701 GRAHAM

OIL CONSERVE ON ON

'91 JUN 28 PALLAS DIVISION

June 17, 1991

DHC-812

OFFSET OPERATORS (See Attached List)

Re: Request for Downhole Commingling Permit Rule 303C Warlick "A" No. 1 NE SE Section 19-T21S-R37E Lea County, New Mexico

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Jason C. Sizemore Senior Petroleum Engineer

JCS/ca a:offsetop.wal

Attachment

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Signed 21 Date Company