PETRO LEWIS CORPORATION Eastern Region

Four Greenspoint Plaza 16945 Northchase Drive P.O. Box 90500 Houston, Texas 77290 713/874-8000



February 3, 1987

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

> Re: Request for Down-Hole Commingling Permit Rule 303-C

Dear Sir:

(a) Name and address of the operator:

Petro-Lewis Corporation P. O. Box 90500 Houston, TX 77290

(b) Lease name, well number, well location:

Warlick "A"
Well #2
1980' FSL, 1980' FEL, Section 19, T-21-S, R-37-E
Lea County, New Mexico

(c) Name of pools well is completed in and the order number which authorized the completion:

Penrose Skelly	3756-3805
Paddock	5162-5174
Blinebry	5654-5925
Drinkard	6599-6643

Quadruple completion in Drinkard, Paddock, Blinebry and Penrose Skelly. Order No. R2300.

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

See Attachment #1.

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

See Attachment #2.

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

See Attachment #3.

(g) Estimated bottom-hole pressure for each artificially lifted zone:

Estimated bottom-hole pressures:

Paddock 45 psig Penrose Skelly 45 psig

(h) A description of the fluid characteristics of each zone showing that the fluids will not be incompatible in the wellbore.

The Warlick A #2 will continue to be operated as a quadruple completion; therefore, Petro-Lewis does not believe that the fluids will be commingled downhole. However, if a situation occurred where they were commingled downhole, it is believed that the fluids are compatible as evidenced by the Petro-Lewis State "DC" lease (S/2 NW/4 Section 19, T-21-S, R-37-E, Lea County, New Mexico. Original commingling Order PC-435 by Amerada Hess Corporation, March 6, 1972, for Blinebry, Drinkard, Paddock and Penrose Shelly). Also, the produced fluids are presently being commingled on the surface.

(i) 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.

The value of each individual stream and the total value will be the same because we do not plan to change our present method of operation.

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

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

(k) 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, including the United States Geological Survey, see Attachment #4.

Sincerely,

Terry Holzwarth

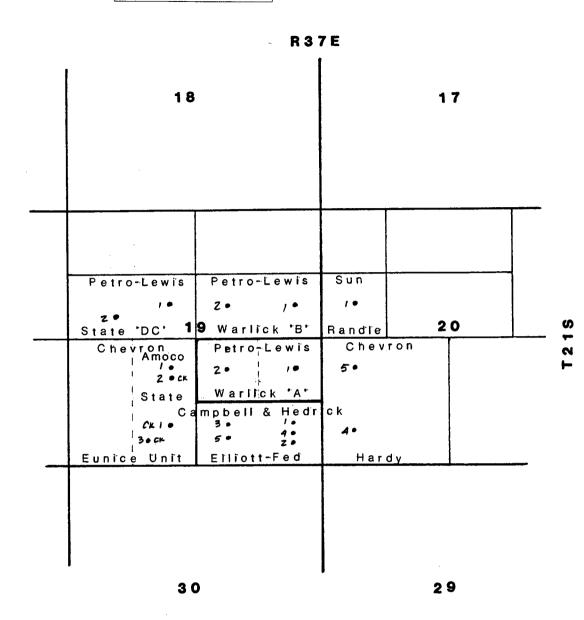
Senior Petroleum Engineer

TH/fs

Attachments

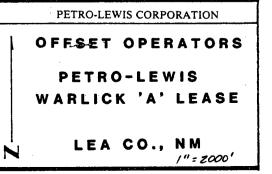


R36E



RE: APPLICATION FOR DOWNHOLE COMMINGLING

The acreage to be allocated production from the Petro-Lewis #2 Warlick 'A' is the NW4SE4 of Section 19, T21S-R37E, N.M.P.M., Lea County, New Mexico.



SANTA FE, NEW MEXICO 87501

P. O. BOX 2084

GAS-OIL RATIO TESTS

ATTACHMENT #2

Revised 10-1-78

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Gas volumes must be reported in MCF measured at a pressure base of 15.025 pain and a temperature of 60° F. Specific gravity base will be 0.60.

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

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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.

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(Signature)

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P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

ATTACHMENT #2

Form C-116 Revised 10-1-78

GAS-OIL RATIO TESTS

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P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

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Form C-116 Revised 10-1-78

GAS-OIL RATIO TESTS

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Agent

(Tide)

P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

ATTACHMENT #2

Form C-116 Revised 10-1-78

GAS-OIL RATIO TESTS

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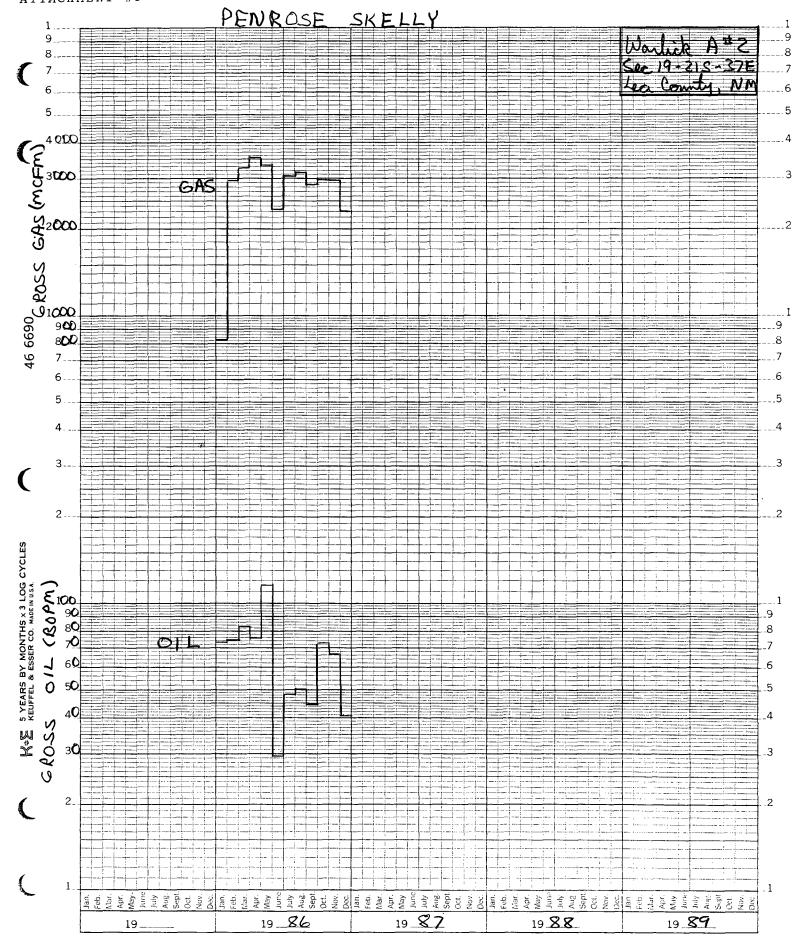
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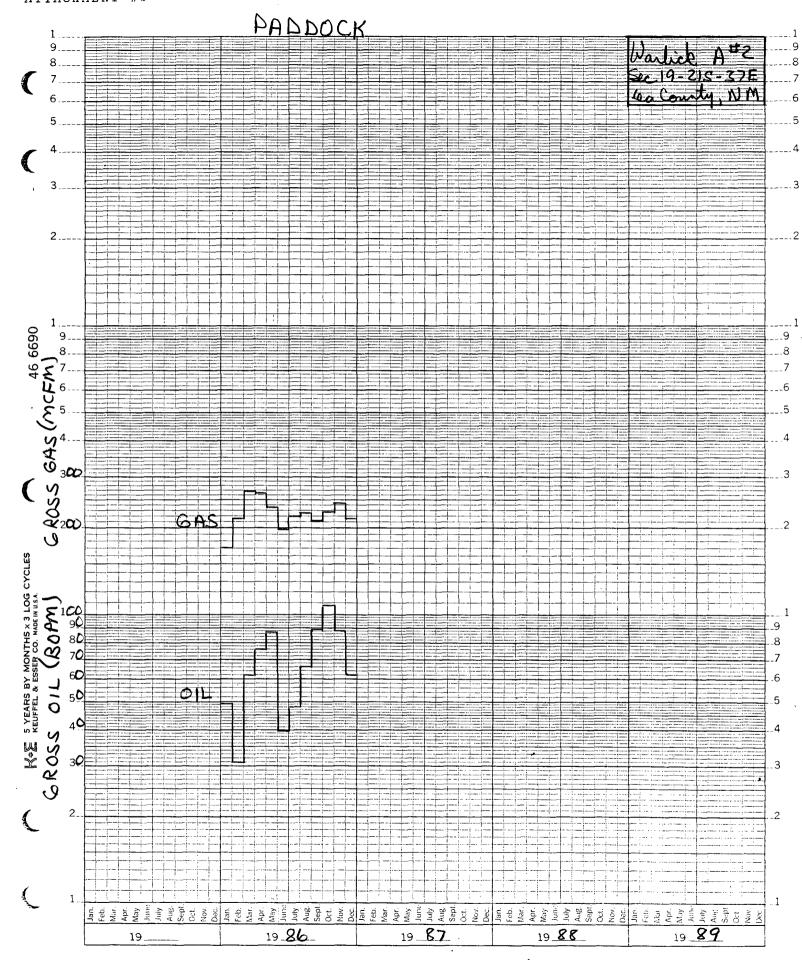
I hereby certify that the above information is true and complete to the best of my knowledge and belief.

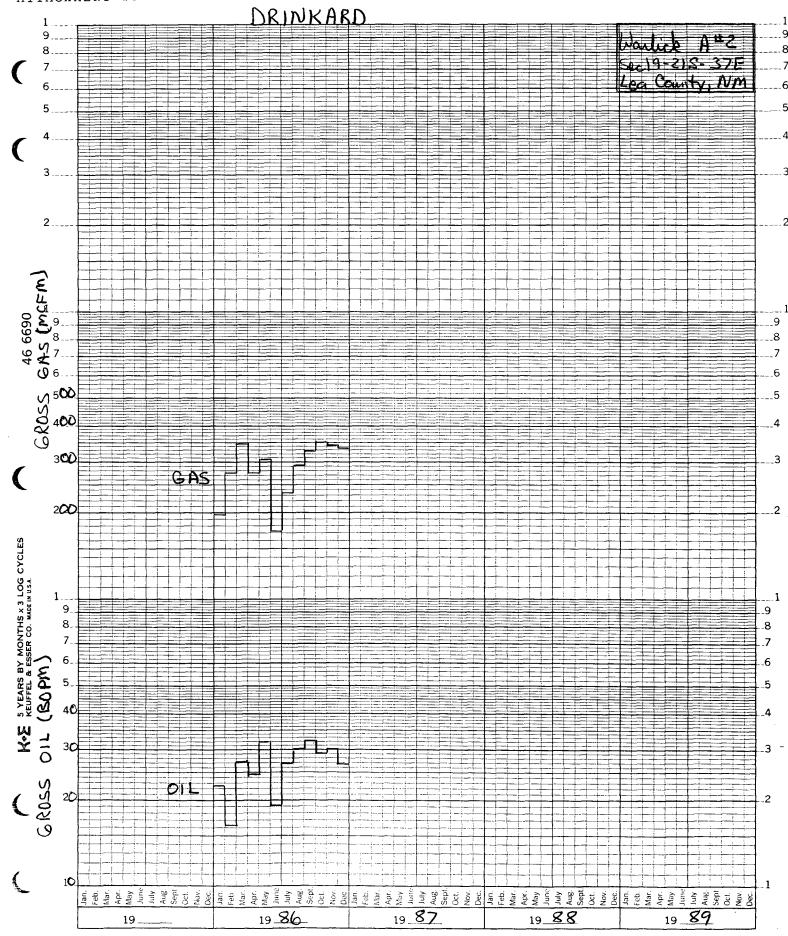
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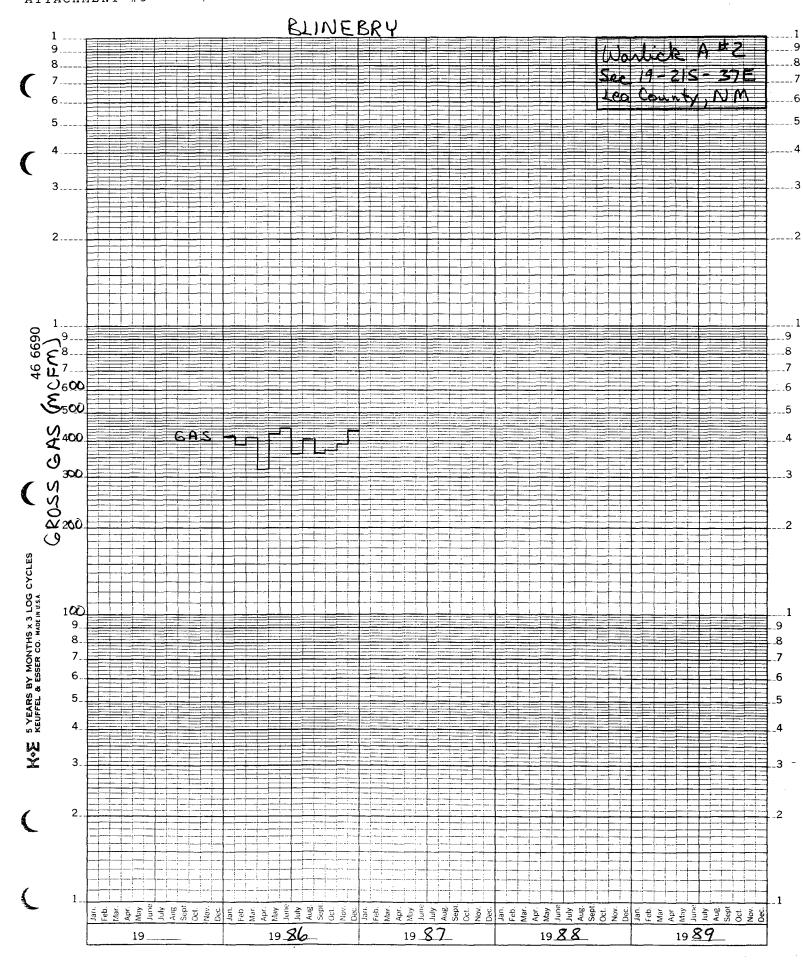
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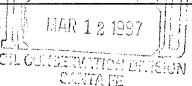


Attachment #4

Offset Operators
Petro-Lewis Warlick 'A' Lease
N 1/2 SE 1/4 Section 19, T219-R37E
Lea Co., NM

- 1) Chevron USA, Inc.
 P. 0. Box 670
 Hobbs, NM 88240
 Attention: Mr. J. C. Prindle
- 2) Campbell & Hedrick and c/o Campbell Estate Partnership 2003 Country Club Midland, TX 79701
- 3) Sun Exploration and Production P. O. Box 2881 Dallas, TX 75221-2880 Attention: Ms. Darlynne L. Hayden
- 4) Amoco Production Company
 P. O. Box 3092
 Houston, TX 77253
 Attention: Mr. D. L. Hood
- 5) U. S. Department of Interior Bureau of Land Management Caller Service 4104 Farmington, N. M. 87499

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



PETRO LEWIS CORPORATION Eastern Region

Four Greenspoint Plaza 16945 Northchase Drive P.O. Box 90500 Houston, Texas 77290 713/874-8000

February 3, 1987

Chevron USA, Inc. P.O. Box 670 Hobbs, NM 23240

Re: Request for Down-hole
Commingling Permit Rule 303C

Gentlemen:

Attached for your review is a commingling request by Petro-Lewis Corporation for the Warlick "A" #2 located as described in the request. Your waiver of objection to this request is respectfully solicited.

Please indicate your decision in the space below and return one copy to the undersigned and one copy to the New Mexico Oil Conservation Commission. Retain one copy for your files.

Thank you for your cooperation.

Sincerely,

PETRO-LEWIS CORPORATION

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Nelda Parker Staff Analyst

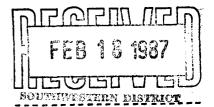
I do () do not ($m{\chi}$) object to commingling request for this well.

Signed Z

Company Chevron



Four Greenspoint Plaza 16945 Northchase Drive P.O. Box 90500 Houston, Texas 77290 713/874-8000



February 3, 1987

Sun Exploration and Production P. O. Box 2881 Dallas, TX 75221-2880

Attention: Ms. Darlynne L. Hayden

Re: Request for Down-hole

Commingling Permit Rule 303C

Gentlemen:

Attached for your review is a commingling request by Petro-Lewis Corporation for the Warlick "A" #2 located as described in the request. Your waiver of objection to this request is respectfully solicited.

Please indicate your decision in the space below and return one copy to the undersigned and one copy to the New Mexico Oil Conservation Commission. Retain one copy for your files.

Thank you for your cooperation.

Sincerely,

PETRO-LEWIS CORPORATION

nuda Parker

Nelda Parker Staff Analyst

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

Signed

Date

Company Leen E+FC



R. E. Ogden Regional Engineering Manager



Amoco Production Company

Houston Region 501 WestLake Park Boulevard Post Office Box 3092 Houston, Texas 77253

March 9, 1987

File: JCA-986.5NM-1921

Re: Downhole Commingling

Warlick "A" Well No. 2 Lea County, New Mexico

New Mexico Oil Conservation Division Energy and Minerals Department P. O. Box 2088 Santa Fe, New Mexico 87501

Gentlemen:

Amoco Production Company has been advised of Petro-Lewis Corporations's request to commingle production downhole in their Warlick "A" Well No. 2 located 1980' FSL and 1980' FEL, Section 19, T-21-S, R-37-E, Lea County, New Mexico.

This is to advise that Amoco has no objection to Petro-Lewis' application to commingle production downhole in the subject well.

Yours very truly,

MLC/rcr/7.041

mec

cc: Petro-Lewis Corporation

P. O. Box 90500

Houston, Texas 77290



Four Greenspoint Plaza 16945 Northchase Drive P.O. Box 90500 Houston, Texas 77290 713/874-8000



March 10, 1987

Campbell & Hedrick c/o O. F. Hedrick 1207 Community Lane Midland, TX 79701

Re: Request for Down-hole

Commingling Permit Rule 303C

Gentlemen:

Attached for your review is a commingling request by Petro-Lewis Corporation for the Warlick "A" #2 located as described in the request. Your waiver of objection to this request is respectfully solicited.

Please indicate your decision in the space below and return one copy to the undersigned and one copy to the New Mexico Oil Conservation Commission. Retain one copy for your files.

Thank you for your cooperation.

nuda Parker

Sincerely,

Nelda Parker Staff Analyst

Signed

Date

Company

Campbell & Hedrick