

# Norcen

Energy Resources Limited

NORCEN TOWER  
715 - 5th Avenue S.W.  
Calgary, Alberta T2P 2X7

Telephone: (403) 231-0111  
Telex: 03 - 824776  
Facsimile: (403) 231-0187

January 14, 1992

Manitoba Energy and Mines  
555 - 330 Graham Avenue  
Winnipeg, Manitoba  
R3C 4E3

Attention: Mr. John N. Fox  
Chief Petroleum Engineer  
Administrative Services

Dear Sir:

**RE: Application to Terminate**  
**Whitewater Unit No. 1**

In response to your fax received January 8, 1992, Norcen Energy Resources Limited, as a royalty owner in the subject unit, does not object to the termination of the Whitewater Unit No. 1.

Yours truly,

**NORCEN ENERGY RESOURCES LIMITED**



T.G. Beale  
Manager, Joint Ventures

cc: Day File  
Circ File  
File # U-04-01 Whitewater

TGB/APS/sdl

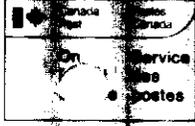


Canada Post / Canada Post

Office of Origin / Bureau d'origine  
Registration No. / No. de recommandation

Date

Post Office of Mailing / Bureau d'expédition



Return to / Retournez à

ENERGY & MINES  
PETROLEUM  
555-530 GRAMM AVENUE  
WINNIPEG, MANITOBA  
R3C 4E3



**Acknowledgement of Receipt / Avis de réception**

To be completed at  
 © Office of Origin

A remplir par le  
 © Bureau d'origine

Name of Addressee / Nom du destinataire  
**Jake Dyck, President, Dyck Oil Ltd.**

P.O. Box R.R. / P.O. No. No. & Street C.P. n° de R.R. ou d'app. n° et rue  
**Box 937**

City, Ville / Province / Country / Pays / Postal CODE postal  
**Boissevain / Manitoba / ROM OMO**

① Office of Destination

② Bureau destinataire

This advice should be signed by the addressee or authorized representative or, if the regulations of the country of destination provide by the postmaster at the office of delivery and returned by first mail to the address shown on other side.

Cet avis doit être signé par le destinataire ou son représentant ou, si le règlement du pays de destination le comporte, par l'agent du bureau de destination et renvoyé par le premier courrier à l'adresse indiquée au recto.

Date Stamp of Office of Delivery / Timbre à date du bureau de destination

14 1 1992  
 Boissevain, MB.  
 ROK OEO

The registered item referred to at ① was delivered on:

L'item recommandé décrit en ① a été livré le:

Jan 14 1992

Signature of Postmaster at Office of Delivery

Signature de l'agent du bureau de destination

Signature of Addressee or Authorized Representative

Signature du destinataire ou de son représentant

*[Handwritten Signature]*

*[Handwritten Signature: Mr. Jake Dyck]*

**REGISTERED MAIL**

January 9, 1992

Mr. Jake Dyck, President  
Dyck Oil Ltd.  
Box 937  
Boissevain, Manitoba  
ROM OMO

Dear Sir:

**RE: Application to Terminate Whitewater Unit No. 1**

Attached is a copy of the notice originally sent to Dyck Oil in November, 1990. The notice explains the effect of termination of Whitewater Unit No. 1 on your company.

Dyck Oil has a 76.58% royalty interest in Whitewater Unit No. 1 and receives royalty payments of between \$150 - \$350 /month depending on oil production and oil price. If the unit is terminated, Dyck Oil's would still receive royalty payments from the remaining producing well at 12-16-3-21 (WPM). Provided Dyck Oil is still the registered owner of 80% of the mineral rights in the northwest quarter of Section 16-3-21 (WPM), the company's royalty payments would increase between \$5 - \$15/month upon termination of the unit.

If you have any questions in respect of this matter, please contact me collect at 945-6574. I would appreciate knowing if you have any concerns before January 22, 1992.

Yours truly,

ORIGINAL SIGNED BY  
JOHN N. FOX

John N. Fox, P. Eng.  
Chief Petroleum Engineer

Encl.

Rec'd PHONE CALL  
FROM JAKE DYCK  
JAN 20/92, DYCK  
OIL HAS NO CONCERN  
WITH THIS UNIT  
TERMINATION



The Oil and Natural Gas  
Conservation Board

Room 309  
Legislative Building  
Winnipeg, Manitoba, CANADA  
R3C 0V8

(204) 945-3130

REGISTERED MAIL

November 13, 1990

Mr. Peter Dyck  
Dyck Oil Ltd.  
Box 441  
Deloraine, Manitoba  
ROM OMO

Dear Mr. Dyck:

RE: Application to Terminate Whitewater Unit No. 1

This letter is to inform you that Chevron Canada Resources' application to terminate Whitewater Unit No. 1 is still pending before The Oil and Natural Gas Conservation Board.

The original notice of the application dated August 10, 1990 was not received by all the royalty owners in the Unit. A copy of the revised notice is enclosed for your information.

Yours respectfully,

A handwritten signature in cursive script, appearing to read "H. Clare Moster".

H. Clare Moster  
Deputy Chairman

Encl.



The Oil and Natural Gas  
Conservation Board

Room 309  
Legislative Building  
Winnipeg, Manitoba, CANADA  
R3C 0V8

REGISTERED MAIL

(204) 945-3130

November 13, 1990

Mr. Peter Dyck  
Dyck Oil Ltd.  
Box 441  
Deloraine, Manitoba  
ROM OMO

Dear Mr. Dyck:

RE: Application to Terminate Whitewater Unit No. 1

This letter is to notify you as a royalty owner in Whitewater Unit No. 1 that Chevron Canada Resources, the Unit Operator, has applied to the Board for approval to terminate the Unit in accordance with Part XX, Clause 20.01 of the "Plan for Unit Operation Governing the Unitized Management Operation and Further Development of the Whitewater Unit No. 1 - December 15, 1970" ("the Unit Plan").

If the Board approves termination of the Unit, Part XX, Clauses 20.02 and 20.04 of the Unit Plan provide for the following:

- (a) Clause 20.02: "..... rights in and to the Tracts shall revert to the owners and lessees thereof .....", and
- (b) Clause 20.04: "..... the Working Interest Owners and Royalty Owners shall be governed by the terms and provisions of the Leases affecting the separate Tracts."

As the only remaining producing well in the Unit is located on Lsd 12 of Section 16-3-21 WPM, termination of the Unit will result in future royalties from production from that well being paid only to the royalty owners of that property.

If no valid objection or intervention in writing is received by the Board at Room 309, Legislative Building, Winnipeg, Manitoba, R3C 0V8, before December 7, 1990, the Board may approve the application.

More information in respect of this application can be obtained from Mr. D.S. Robinson, Chairman, Operating Committee, Chevron Canada Resources, 500 - 5th Avenue S.W., Calgary, Alberta, T2P 0L7, (403) 234-5026.

Yours respectfully,

H. Clare Moster  
Deputy Chairman



FAX NO: (204) 945-0586

DATE: 92-01-08 TOTAL NO. OF PAGES (Including this page): 2

This message is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law.

If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone, and return the original to us by postal service at the address noted above. Thank you.

PLEASE DELIVER THE FOLLOWING PAGES TO:

NAME: Mr. J. CHAPMAN

BRANCH/COMPANY: NORCEN ENERGY RESOURCES

FAX NO: (403) 231-0043

FROM:

SENDER: JOHN N. FOX, CHIEF PETROLEUM ENGINEER

PHONE: (204) 945-6574

COMMENTS: The subject application to terminate Whitewater Unit No.1 is before the Board. Norcen through Great Plains has a GORR in the unit amounting to royalty payments of < \$5/year. Does Norcen have any concerns with the unit being terminated?

ORIGINALS WILL BE:

\_\_\_\_\_ Mailed to you; \_\_\_\_\_ Delivered to you; \_\_\_\_\_ Picked up;

\_\_\_\_\_ Mailed/Delivered upon request;  Remain on our file.

Whitewater Unit No. 1

UNIT PRODUCTION - 12-16-3-21 only modules

1991 (EST) 144.7 m<sup>3</sup> \* \$130/m<sup>3</sup> (AVER. PRICE) = 18800  
 1990 171.7 m<sup>3</sup> \* \$159/m<sup>3</sup> (AVER. PRICE) = 27300  
 TOTAL \$46,100

VALUE OF ROYALTY TO ROYALTY OWNERS

12.5% of \$46100 = \$5762 (1990-91 royalties)

ROYALTY OWNER	1990-91 ROYALTIES RECEIVED	IF UNIT TERMINATED 12-16-3-21 ROYALTIES
DYCK OILS	\$4412 (\$184/MON) (76.58%)	80%
STRATHALLEN MINERAL	\$1103 (\$46/MON) (19.15%)	20%
R. WILSON	\$237 (\$10/MON)	Ø
NORCEN (GORR)	\$5 (\$0.2/MON)	Ø
CROWN	\$9 (\$0.4/MON)	Ø

- ROLAND WILSON CONTACTED JANUARY 7, 1991 - NO CONCERNS
- DID NOT CONTACT NORCEN BECAUSE THEIR INTEREST IS A SMALL GORR

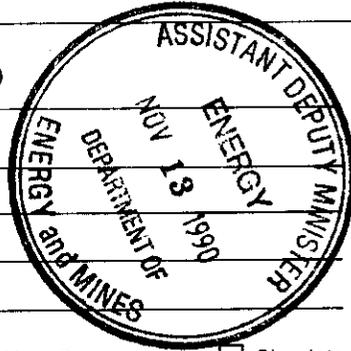
STRATHALLEN MINERALS, JIMMY DYCK CONTACTED JANUARY 7, 1991 - NO CONCERN

DYCK OILS CALCULATE ROYALTIES  
 SEP 12.70 \* \$134.73/m<sup>3</sup> \* .125 = 7658 = 163.<sup>79</sup>  
 OCT 27 \* \$101.40/m<sup>3</sup> \* .125 = 7658 = 365.<sup>46</sup>



Date: September 13, 1990

To: H. Clare Moster



# Action / Route Slip

From: Bob Dubreuil

Telephone:

- Take Action
- Per Your Request
- Circulate, Initial and Return
- For Approval and Signature
- Make \_\_\_\_\_ Copies
- May We Discuss
- For Your Information
- Return With Comments or Revisions
- Draft Reply for Signature
- Please File

Comments: As we discussed.

Whitewater Unit No. 1 - Royalty Owners	Participation Factor
1. Dyck Oil Ltd.	76.58
2. Strathallan Minerals Ltd.	19.15
3. Roland Alexander Wilson	4.12
4. Norcen Energy Resources Ltd.	0.08 (GORR)
5. Crown	0.15

← FILE



The Oil and Natural Gas  
Conservation Board

Room 309  
Legislative Building  
Winnipeg, Manitoba, CANADA  
R3C 0V8

(204) 945-3130

REGISTERED MAIL

November 13, 1990

Mr. John A. Dyck  
Strathallan Minerals Ltd.  
P.O. Box 787  
Boissevain, Manitoba  
ROK OEO

Dear Mr. Dyck:

RE: Application to Terminate Whitewater Unit No. 1

This letter is to inform you that Chevron Canada Resources' application to terminate Whitewater Unit No. 1 is still pending before The Oil and Natural Gas Conservation Board.

The original notice of the application dated August 10, 1990 was not received by all the royalty owners in the Unit. A copy of the revised notice is enclosed for your information.

Yours respectfully,

H. Clare Moster  
Deputy Chairman

Encl.

*OIL SPILL CONF*

*31-0043*



The Oil and Natural Gas  
Conservation Board

Room 309  
Legislative Building  
Winnipeg, Manitoba, CANADA  
R3C 0V8

REGISTERED MAIL

(204) 945-3130

November 13, 1990

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Strathallan Minerals Ltd.  
Box 787  
Boissevain, Manitoba  
ROK OEO

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More information in respect of this application can be obtained from Mr. D.S. Robinson, Chairman, Operating Committee, Chevron Canada Resources, 500 - 5th Avenue S.W., Calgary, Alberta, T2P 0L7, (403) 234-5026.

Yours respectfully,

A handwritten signature in cursive script, appearing to read "H. Clare Moster".

H. Clare Moster  
Deputy Chairman



The Oil and Natural Gas  
Conservation Board

Room 309  
Legislative Building  
Winnipeg, Manitoba, CANADA  
R3C 0V8

REGISTERED MAIL

(204) 945-3130

November 13, 1990

Norcen Energy Resources Ltd.  
715 Fifth Avenue S.W.  
Calgary, Alberta  
T2P 3E6

Dear Sir/Madam:

RE: Application to Terminate Whitewater Unit No. 1

This letter is to notify you as a royalty owner in Whitewater Unit No. 1 that Chevron Canada Resources, the Unit Operator, has applied to the Board for approval to terminate the Unit in accordance with Part XX, Clause 20.01 of the "Plan for Unit Operation Governing the Unitized Management Operation and Further Development of the Whitewater Unit No. 1 - December 15, 1970" ("the Unit Plan").

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Yours respectfully,

H. Clare Moster  
Deputy Chairman



The Oil and Natural Gas  
Conservation Board

Room 309  
Legislative Building  
Winnipeg, Manitoba, CANADA  
R3C 0V8

REGISTERED MAIL

(204) 945-3130

November 13, 1990

Roland Alexander Wilson  
General Delivery  
Whitewater, Manitoba  
ROK OEO

Dear Mr. Wilson:

RE: Application to Terminate Whitewater Unit No. 1

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Yours respectfully,

H. Clare Moster  
Deputy Chairman



Date: November 13, 1990

## Action / Route Slip

To: H. Clare Moster

From: Bob Dubreuil

Telephone: \_\_\_\_\_

- |   |   |  |   |  |
|---|---|--|---|--|
| <input type="checkbox"/> Take Action    | <input type="checkbox"/> Per Your Request     | <input type="checkbox"/> Circulate, Initial and Return     | <input type="checkbox"/> For Approval and Signature | <input type="checkbox"/> Make _____ Copies |
| <input type="checkbox"/> May We Discuss | <input type="checkbox"/> For Your Information | <input type="checkbox"/> Return With Comments or Revisions | <input type="checkbox"/> Draft Reply for Signature  | <input type="checkbox"/> Please File       |

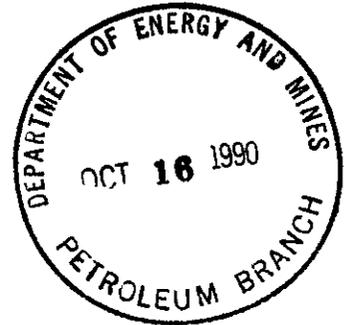
Comments: As we discussed.

<u>Whitewater Unit No. 1 - Royalty Owners</u>	<u>Participation Factor</u>
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2. Strathallan Minerals Ltd.	19.15
3. Roland Alexander Wilson	4.12
4. Norcen Energy Resources Ltd.	0.08 (GORR)
5. Crown	0.15



# Chevron Canada Resources

500 - Fifth Avenue S.W., Calgary, Alberta T2P 0L7  
Phone (403) 234-5000 Fax (403) 234-5947



1990-10-09

R.J. Terlesky  
Manager  
Units & Joint Ventures  
Producing Department

## Whitewater Unit No. 1 Proposed Unit Termination Additional Information

Manitoba Oil and Natural Gas  
Conservation Board - Petroleum Division  
Room 309, Legislative Building  
Winnipeg, Manitoba  
R3C 0V8

Attention: John Fox

Gentlemen:

In accordance with your request, Chevron submits additional royalty owner data for the Whitewater Unit No. 1:

1. Dyck Oil Ltd.  
Box 441  
Deloraine, Manitoba  
R0M 0M0

JAKE DYCK 534-6691  
President, DYCK OIL  
Box 937  
Boissevain, MB

Attention: Mr. Peter Dyck (204-747-3657) DECEASED

2. Strathallan Minerals Ltd.  
P.O. Box 787  
Boissevain, Manitoba  
R0K 0E0

Attention: Mr. John A. Dyck (204-534-2313) OFFICE 534-6740

3. Roland Alexander Wilson  
General Delivery  
Whitewater, Manitoba  
R0K 0E0  
(204-534-6742)

4. Norcen Energy Resources Ltd.  
715 Fifth Avenue S.W.  
Calgary, Alberta  
T2P 3E6  
(403-231-0111)

JONATHAN  
CHAPMAN

231-0205 fax 231-0043

TOM BEAL

Please note that the Great Plains gross overriding royalty interest is now held by Norcen through a former merger. Also, note that in Manitoba it is not necessary that overriding royalty interest holders consent to unitization. Therefore, Great Plains was not a party to the unitization although they are bound by the Unitization Order.

Please contact the undersigned at 403-234-5026 if you have any further questions.

Yours very truly,

A handwritten signature in cursive script that reads "Scott Robinson".

D. S. ROBINSON  
Joint Venture Representative

DSR/pd



## Action / Route Slip

Date: \_\_\_\_\_

To: FILE

From: \_\_\_\_\_

Telephone: \_\_\_\_\_

- |   |   |  |   |  |
|---|---|--|---|--|
| <input type="checkbox"/> Take Action    | <input type="checkbox"/> Per Your Request     | <input type="checkbox"/> Circulate, Initial and Return     | <input type="checkbox"/> For Approval and Signature | <input type="checkbox"/> Make _____ Copies |
| <input type="checkbox"/> May We Discuss | <input type="checkbox"/> For Your Information | <input type="checkbox"/> Return With Comments or Revisions | <input type="checkbox"/> Draft Reply for Signature  | <input type="checkbox"/> Please File       |

Comments: THE ATTACHED DEFINITIONS OF A "ROYALTY OWNER" UNDER  
THE DINES ACT & WHITENATER UNIT No. 1 UNIT AGREEMENT  
INDICATE THE OWNER OF AN CORR IS A PARTY TO THE  
UNIT AGREEMENT.

(d) where used in relation to a person who has an undivided interest in the rights of the royalty owners of a tract or of a spacing unit that is comprised of not more than one tract or of part of not more than one tract, or in the rights of the working interest owners of a tract or of a spacing unit that is comprised of not more than one tract or of part of not more than one tract, means that portion of the portion of total allowable or allocated production of oil and gas from the tract or spacing unit allocated to the royalty owners or working interest owners, as the case may be, that bears the same proportion to that total allowable or allocated production so allocated as the interest of that person bears to the total interest of all the royalty owners or all the working interest owners, as the case may be;

"owner" means a working interest owner or a royalty owner and when used in the plural means both working interest owners and royalty owners;

"pool" means a natural underground reservoir containing, or appearing to contain, an accumulation of oil or gas separated, or appearing to be separated, from any other such reservoir or accumulation in the general structure;

"pooling agreement" means an agreement made under section 67 whereby the owners of separate tracts or interests within a spacing unit agree to pool their interests;

"pooling order" means an order of the board made under subsection 68(4) ordering the owners of separate tracts and interests within a spacing unit to pool their interests;

"royalty owner" means a person, other than a working interest owner, who has any interest in a right to receive a portion of the oil and gas produced from any lands or a portion of the proceeds from the sale thereof, including a reversionary interest, a royalty interest reserved to the lessors named in any subsisting oil and gas lease, and any over-riding royalty interest, or an interest in a payment under, or encumbrance on, a lease or other contract relating to oil and gas that does not carry with it the right to search for or produce the oil and gas;

"spacing unit" means

(a) an area allocated to a well for the purpose of drilling for and producing oil and gas; or

(b) an area designated as an area that may be allocated to a well if a well is drilled;

and the subsurface regions vertically beneath an area so allocated or designated but, where a well is drilled to, or producing from, a specified pool, geological formation, or strata, or member, the subsurface regions vertically beneath the area allocated or designated for that well are limited to that specified pool, geological formation, or strata, or member;

PLAN FOR UNIT OPERATION  
GOVERNING THE UNITIZED MANAGEMENT  
OPERATION AND FURTHER DEVELOPMENT OF  
WHITEWATER UNIT NO. 1

DEC 15 1970

- "Leases" (g) "Leases" means severally and collectively the petroleum and natural gas leases, petroleum leases, natural gas leases, subleases, agreements to grant a lease and any other agreements whether similar or dissimilar to the foregoing covering the lands described in Part XXIII hereof;
- "Oil" (h) "Oil" means crude oil and all other hydrocarbons regardless of gravity, that are or can be recovered in liquid form from a pool through a well by ordinary production methods;
- "Operating Committee" (i) "Operating Committee" means the committee created pursuant to Part V hereof;
- "Outside Substances" (j) "Outside Substances" means all substances obtained from any sources other than the Unitized Strata for injection into the Unitized Strata;
- "Participating Interest" (k) "Participating Interest" means with respect to each Working Interest Owner the sum of the products obtained by multiplying its respective working interest in each Tract by the respective Tract Participation of each such Tract;
- "Royalty Owner" (l) "Royalty Owner" means a person, other than a Working Interest Owner, who has any interest in a right to receive a portion of the Unitized Substances or a portion of the proceeds from the sale thereof, including a reversionary interest, a royalty interest reserved to the lessors named in any Lease, and any overriding royalty interest, or

- an interest in a payment under, or encumbrance on, a Lease that does not carry with it the right to search for or produce the Unitized Substances;
- "Salt Water Disposal Well" (m) "Salt Water Disposal Well" means those wells drilled for the purpose of, or converted to, salt water disposal;
- "Spacing Unit" (n) "Spacing Unit" means the area allocated by any governmental body having jurisdiction with respect thereto for each well drilled for the purpose of producing Oil and Gas from the Unitized Strata;
- "Stock Tank Barrel" (o) "a Stock Tank Barrel" means 34.9722 Canadian gallons at sixty (60<sup>o</sup>) degrees Fahrenheit;
- "Tract" (p) "Tract" means each parcel of land described as such and given a Tract number in Part XXIII hereof;
- "Tract Participation" (q) "Tract Participation" means the percentage set forth for each Tract in Part XXV hereof;
- "Unit Area" (r) "Unit Area" means and comprises the lands set forth and described in Part XXIII hereof and included within the boundaries of the solid black outline on the map shown in Part XXIV hereof, insofar as these lands relate to the Unitized Strata;
- "Unit Facilities" (s) "Unit Facilities" means all tangible property of every kind, nature and description (excepting Unitized Substances, Unit Operated Wells, rental equipment and Unit Operator's exclusively owned equipment) in the possession of Unit Operator hereunder acquired from a Working Interest Owner

Meridian, in the Province of Manitoba between the interval 2,492 feet and 2,580 feet as measured from the Kelly Bushing;

"Unitized Substances"

(w) "Unitized Substances" means the Oil and Gas that are within or are produced from the Unitized Strata;

"Well"

(x) "Well" means any well within the Unit Area which has been drilled to the Upper Whitewater Lake or Lower Whitewater Lake members of the Lodgepole Formation of the Mississippian Age for the production of Oil and Gas which at some time since such drilling has produced a minimum of three (3) barrels of Oil per day for at least one month's duration;

"Working Interest Owner"

(y) "Working Interest Owner" means a person who has the right, in whole or in part, to search for and produce and to appropriate the Unitized Substances, either for himself or for others having an interest therein, or for both, whether such right is derived from ownership in fee simple or from a Lease.

## PART II

### UNIT OPERATION

Unit Name

2.01 The name of the Unit shall be "Whitewater Unit No. 1" (hereinafter sometimes called the "Unit").

Operation as a Unit

2.02 On and after the Effective Date, the respective interests of the Working Interest Owners and Royalty Owners, in and to the Unit Area, the Unitized Strata and the Unitized Substances, shall be unitized for the



THE OIL AND NATURAL GAS CONSERVATION BOARD  
309 LEGISLATIVE BUILDING  
WINNIPEG, MANITOBA  
R3C 0V8



The Oil and Natural Gas  
Conservation Board

Room 309  
Legislative Building  
Winnipeg, Manitoba, CANADA  
R3C 0V8

August 10, 1990

(204) 945-3130

Great Plains Petroleum Ltd.  
715 Fifth Avenue S.W.  
Calgary, Alberta  
T2P 3E6

Dear Sir/Madam:

RE: Application to Terminate Whitewater Unit No. 1

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- (a) Clause 20.02: "..... rights in and to the Tracts shall revert to the owners and lessess thereof.....", and
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As the only remaining producing well in the Unit is located on Lsd 12 of Section 16-3-21 WPM, termination of the Unit will result in future royalties from production from that well being paid only to the royalty owners of that property.

If no valid objection or intervention in writing is received by the Board at Room 309, Legislative Building, Winnipeg, Manitoba, R3C 0V8, before September 8, 1990, the Board may approve the application.

More information in respect of this application can be obtained from Mr. D.S. Robinson, Chairman, Operating Committee, Chevron Canada Resources, 500 - 5th Avenue S.W., Calgary, Alberta, T2P 0L7, (403) 234-5026.

Yours respectfully,

A handwritten signature in cursive script, appearing to read "H. Clare Moster".

H. Clare Moster  
Deputy Chairman



The Oil and Natural Gas  
Conservation Board

Room 309  
Legislative Building  
Winnipeg, Manitoba, CANADA  
R3C 0V8

August 10, 1990

(204) 945-3130

Dyck Oil Ltd.  
Box 441  
Deloraine, Manitoba  
ROM OMO

Dear Sir/Madam:

RE: Application to Terminate Whitewater Unit No. 1

This letter is to notify you as a royalty owner in Whitewater Unit No. 1 that Chevron Canada Resources, the Unit Operator, has applied to the Board for approval to terminate the Unit in accordance with Part XX, Clause 20.01 of the "Plan for Unit Operation Governing the Unitized Management Operation and Further Development of the Whitewater Unit No. 1 - December 15, 1970" ("the Unit Plan").

If the Board approves termination of the Unit, Part XX, Clauses 20.02 and 20.04 provide for the following:

- (a) Clause 20.02: "..... rights in and to the Tracts shall revert to the owners and lessess thereof.....", and
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More information in respect of this application can be obtained from Mr. D.S. Robinson, Chairman, Operating Committee, Chevron Canada Resources, 500 - 5th Avenue S.W., Calgary, Alberta, T2P 0L7, (403) 234-5026.

Yours respectfully,

ORIGINAL SIGNED BY  
H. CLARE MOSTER

H. Clare Moster  
Deputy Chairman



The Oil and Natural Gas  
Conservation Board

Room 309  
Legislative Building  
Winnipeg, Manitoba, CANADA  
R3C 0V8

August 10, 1990

(204) 945-3130

Great Plains Petroleum Ltd.  
715 Fifth Avenue S.W.  
Calgary, Alberta  
T2P 3E6

Dear Sir/Madam:

RE: Application to Terminate Whitewater Unit No. 1

This letter is to notify you as a royalty owner in Whitewater Unit No. 1 that Chevron Canada Resources, the Unit Operator, has applied to the Board for approval to terminate the Unit in accordance with Part XX, Clause 20.01 of the "Plan for Unit Operation Governing the Unitized Management Operation and Further Development of the Whitewater Unit No. 1 - December 15, 1970" ("the Unit Plan").

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Yours respectfully,

ORIGINAL SIGNED BY  
H. CLARE MOSTER

H. Clare Moster  
Deputy Chairman



The Oil and Natural Gas  
Conservation Board

Room 309  
Legislative Building  
Winnipeg, Manitoba, CANADA  
R3C 0V8

August 10, 1990

(204) 945-3130

Strathallan Minerals Ltd.  
Box 787  
Boissevain, Manitoba  
ROK OEO

Dear Sir/Madam:

RE: Application to Terminate Whitewater Unit No. 1

This letter is to notify you as a royalty owner in Whitewater Unit No. 1 that Chevron Canada Resources, the Unit Operator, has applied to the Board for approval to terminate the Unit in accordance with Part XX, Clause 20.01 of the "Plan for Unit Operation Governing the Unitized Management Operation and Further Development of the Whitewater Unit No. 1 - December 15, 1970" ("the Unit Plan").

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Yours respectfully,

ORIGINAL SIGNED BY  
H. CLARE MOSTER

H. Clare Moster  
Deputy Chairman



The Oil and Natural Gas  
Conservation Board

Room 309  
Legislative Building  
Winnipeg, Manitoba, CANADA  
R3C 0V8

August 10, 1990

(204) 945-3130

Ellen Emma Wilson  
c/o The Canada Trust Company  
505 Third Street S.W.  
Calgary, Alberta  
T2P 2X7

Dear Sir/Madam:

RE: Application to Terminate Whitewater Unit No. 1

This letter is to notify you as a royalty owner in Whitewater Unit No. 1 that Chevron Canada Resources, the Unit Operator, has applied to the Board for approval to terminate the Unit in accordance with Part XX, Clause 20.01 of the "Plan for Unit Operation Governing the Unitized Management Operation and Further Development of the Whitewater Unit No. 1 - December 15, 1970" ("the Unit Plan").

If the Board approves termination of the Unit, Part XX, Clauses 20.02 and 20.04 provide for the following:

- (a) Clause 20.02: "..... rights in and to the Tracts shall revert to the owners and lessess thereof.....", and
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More information in respect of this application can be obtained from Mr. D.S. Robinson, Chairman, Operating Committee, Chevron Canada Resources, 500 - 5th Avenue S.W., Calgary, Alberta, T2P 0L7, (403) 234-5026.

Yours respectfully,

ORIGINAL SIGNED BY  
H. CLARE MOSTER

H. Clare Moster  
Deputy Chairman



## Chevron Canada Resources

500 - Fifth Avenue S.W., Calgary, Alberta T2P 0L7  
Phone (403) 234-5000 Fax (403) 234-5947

R.J. Terlesky  
Manager  
Units & Joint Ventures  
Producing Department

1990-08-08

THE OIL AND NATURAL GAS  
CONSERVATION BOARD  
WINNIPEG, MANITOBA

AUG 13 1990

RECEIVED

Whitewater Unit No. 1  
Proposed Unit Termination Additional Information

Manitoba Oil and Natural Gas  
Conservation Board - Petroleum Division  
Room 309, Legislative Building  
Winnipeg, Manitoba  
R3C 0V8

Attention: Mr. John Fox

Gentlemen:

Further to our application of 1990-06-05, Chevron offers the following additional information:

1. Termination of the Unit will eliminate the need to administer royalty payments for six tracts. While manpower will not be reduced by six-fold, the volume of internal paperwork will be reduced by that amount. Chevron has not attempted to quantify the reduction in administration in terms of dollars saved.
2. Chevron is presently trying to sell its interest in the lone 12-16-3-21 WPM well. We cannot justify continuing operation of this marginal producer at a remote location. Operation will likely be terminated when the well next needs maintenance or a workover.

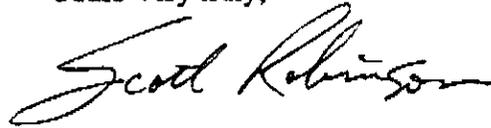
It is our opinion that a smaller operator may be better suited for owning and operating the well. Removal of the well from the Unit will make it more saleable by:

- a) reducing the number of agreements and inherent liabilities associated therewith;
  - b) simplifying royalty administration for the new owner; and
  - c) severing the well from the other five LSDs, thereby simplifying title searches and indemnifications associated with a sales transaction.
3. At the well's marginal rate of production the royalty disbursements are very small. The one freehold royalty holder who will no longer get payments, Ellen Emma Wilson, will be impacted in a minor way. At an oil price of \$110/m<sup>3</sup> and at producing rate of 0.5 m<sup>3</sup> opd, her loss would be less than \$10 per month. And given the vulnerability of the continued operation of the well to future expenditures, payments are likely not going to last for more than one year.

We appeal to the Board to approve Unit termination in the hopes that the well's life will be extended by our divestiture efforts.

Please call the undersigned at (403) 234-5026 if you have any further questions.

Yours very truly,

A handwritten signature in cursive script that reads "Scott Robinson".

D. S. ROBINSON  
Chairman  
Operating Committee

DSR/sld



## Memorandum

August 7, 1990

To : The Oil and Natural Gas Conservation Board  
Ian Haugh, Chairman  
H. Clare Moster, Deputy Chairman  
Wm. McDonald, Member

From : John N. Fox  
Chief Petroleum Engineer  
Petroleum Branch

Telephone :

Subject :

RE: Whitewater Unit No. 1 - Unit Termination

Chevron Canada Resources as Unit Operator has made application (June 5, 1990) to terminate the subject Unit. Whitewater Unit No. 1 was established by Board Unitization Order No. 10 issued June 17, 1971.

### RECOMMENDATION

It is recommended that the Board notify the royalty owners in the Unit of the application. A copy of the proposed Board letter is attached.

If no objections are received, it is recommended that the Board approve termination of the Unit.

### DISCUSSION

The Whitewater Lodgepole WL A Pool was discovered in 1953. In order to facilitate the implementation of a waterflood, Chevron, the only working interest owner in the pool, applied to the Board December, 1970 for a unitization order. Board Unitization Order No. 10 was issued June 17, 1971 and the Unit became effective July 1, 1971. Prior to the Unitization Order being issued, royalty owners of 77.2% of the surface area within the Unit agreed to unitize (95.2% based on tract participation in the Unit).

Unitization Order No. 10 provides for the Unit to be operated in accordance with the "Plan for Unit Operation Governing the Unitized Management Operation and Further Development of the Whitewater Unit No. 1 - December 15, 1970" ("the Unit Plan"). Part XX of the Unit Plan addresses termination of the Unit.

Part XX, Clause 20.01 of the Unit Plan provides for termination of the Unit under the following conditions:

- (1) when all the wells in the Unit have been abandoned and plugged, or
- (2) if working interest owners owning 95% of the participating interest in the Unit agree that the Unit be terminated and the Board approves the termination.

The Unit Plan also provides that upon termination:

- (1) all rights in and to the tracts shall revert to the owners and lessees thereof,

First | Fold

- (2) working interest and royalty owners shall be governed by the terms and provisions of the leases affecting the separate tracts, and
- (3) Chevron is to notify each royalty owner of the termination within 30 days.

Chevron, the Unit Operator and 100% working interest owner in the Unit, has applied to the Board for termination of the Unit to reduce administrative costs. There is only one producing well 12-16-3-21 remaining in the Unit (Figure 1). The other three producers and two injection wells were abandoned in November, 1988. The 12-16-3-21 well has produced only two months in 1990 and has averaged 1.5 m<sup>3</sup> OPD for the year (Figure 2). Estimated remaining recoverable reserves for 12-16-3-21 are 820 m<sup>3</sup>. If the Unit is not terminated, Chevron has indicated that continuing administrative costs will result in the premature abandonment of the well.

A comparison of royalty payments to individual royalty owners under the Unit Plan and after termination of the Unit is shown in Table 1. Table 1 indicates that Dyck Oil and Strathallan Minerals who combined own over 95% of the royalty interest in the Unit and are the mineral owners in the NW 1/4 of Section 16 will benefit from termination of the Unit, while the Crown, Great Plains and Ellen E. Wilson will no longer receive royalty payments if the Unit is terminated. The estimated combined annual loss in royalties to these parties is less than \$100 per year for a maximum of 3-4 years (the remaining economic life of the 12-16-3-21 well).

It is recommended that if no objections are received, the Board approve termination of the Unit to reduce Chevron's administrative costs and extend the producing life of the well.

John N. Fox

Encl.

Approved by: \_\_\_\_\_  
L.R. Dubreuil, Director

TABLE 1 - ROYALTY PAYMENT COMPARISON

Royalty Owner	Annual Royalty Payment* Under Unit Plan		Annual Royalty Payment* Unit Termination	
	(m <sup>3</sup> )	(\$)	(m <sup>3</sup> )	(\$)
Dyck Oils	11.9	1,559	12.4	1,624
Strathallen Minerals	3.0	393	3.1	406
Ellen E. Wilson	0.6	79	0	0
Crown	0.1	13	0	0
Great Plains (GORR) Petroleum	0.1	13	0	0

\* Based on 12-16-3-21 1988 oil production - 124 m<sup>3</sup> and 1988 average oil price \$131 /m<sup>3</sup>.

August 8, 1990

Dear Sir/Madam:

RE: Application to Terminate Whitewater Unit No. 1

This letter is to notify you as a royalty owner in Whitewater Unit No. 1 that Chevron Canada Resources, the Unit Operator, has applied to the Board for approval to terminate the Unit in accordance with Part XX, Clause 20.01 of the "Plan for Unit Operation Governing the Unitized Management Operation and Further Development of the Whitewater Unit No. 1 - December 15, 1970" ("the Unit Plan").

If the Board approves termination of the Unit, Part XX, Clauses 20.02 and 20.04 provide for the following:

- (a) Clause 20.02: "..... rights in and to the Tracts shall revert to the owners and lessess thereof.....", and
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If no valid objection or intervention in writing is received by the Board at Room 309, Legislative Building, Winnipeg, Manitoba, R3C 0V8, before September 8, 1990, the Board may approve the application.

More information in respect of this application can be obtained from Mr. D.S. Robinson, Chairman, Operating Committee, Chevron Canada Resources, 500 - 5th Avenue S.W., Calgary, Alberta, T2P 0L7, (403) 234-5026.

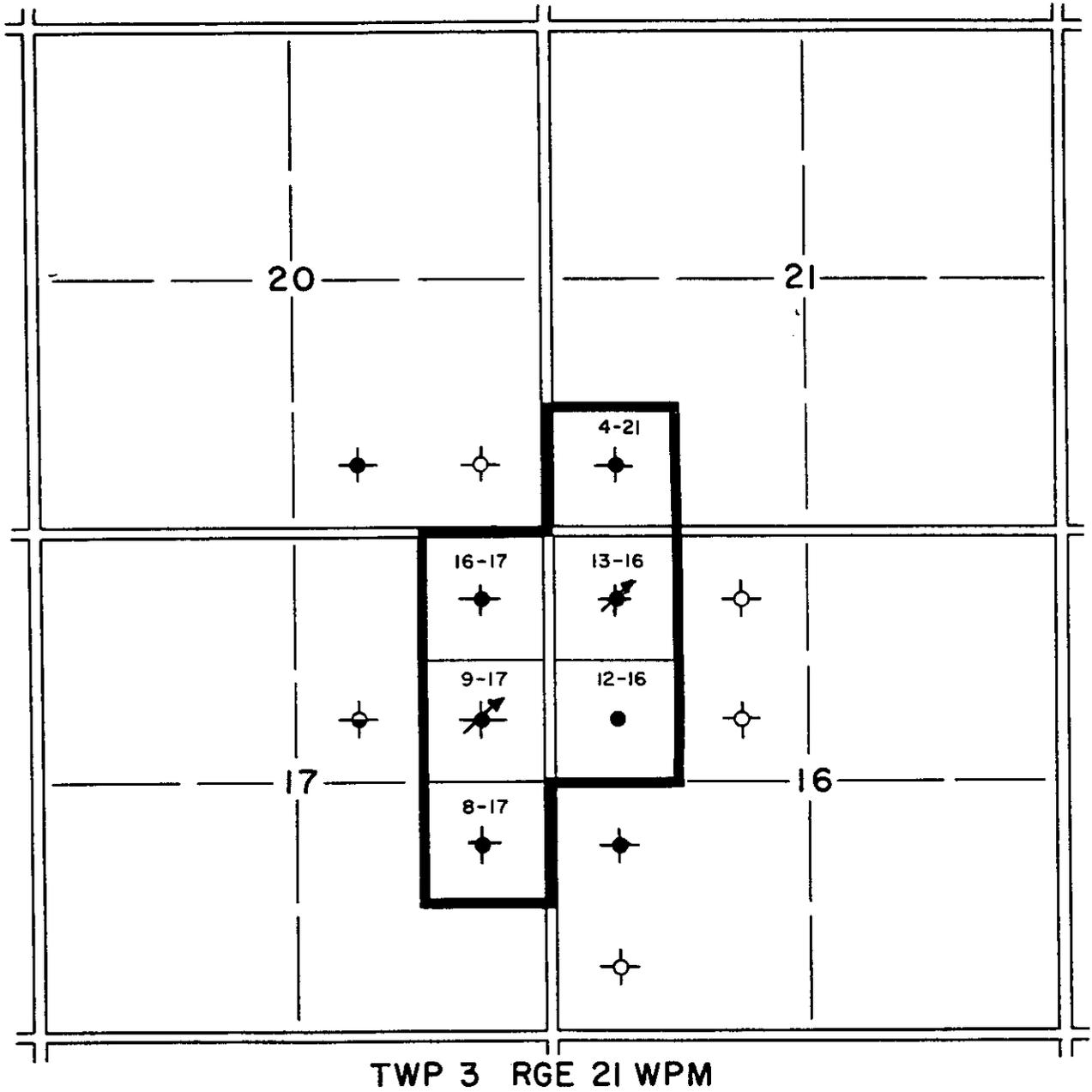
Yours respectfully,

H. Clare Moster  
Deputy Chairman

Dyck Oil Ltd.  
Box 441  
Deloraine, Manitoba  
ROM OMO  
Great Plains Petroleum Ltd.  
5 Fifth Avenue S.W.  
Calgary, Alberta  
T2P 3E6  
Strathallan Minerals Ltd.  
Box 787  
Boissevain, Manitoba  
ROK OEO  
Ellen Emma Wilson  
c/o The Canada Trust Company  
505 Third Street S.W.  
Calgary, Alberta  
T2P 2X7

0302N

# MAP OF UNIT AREA



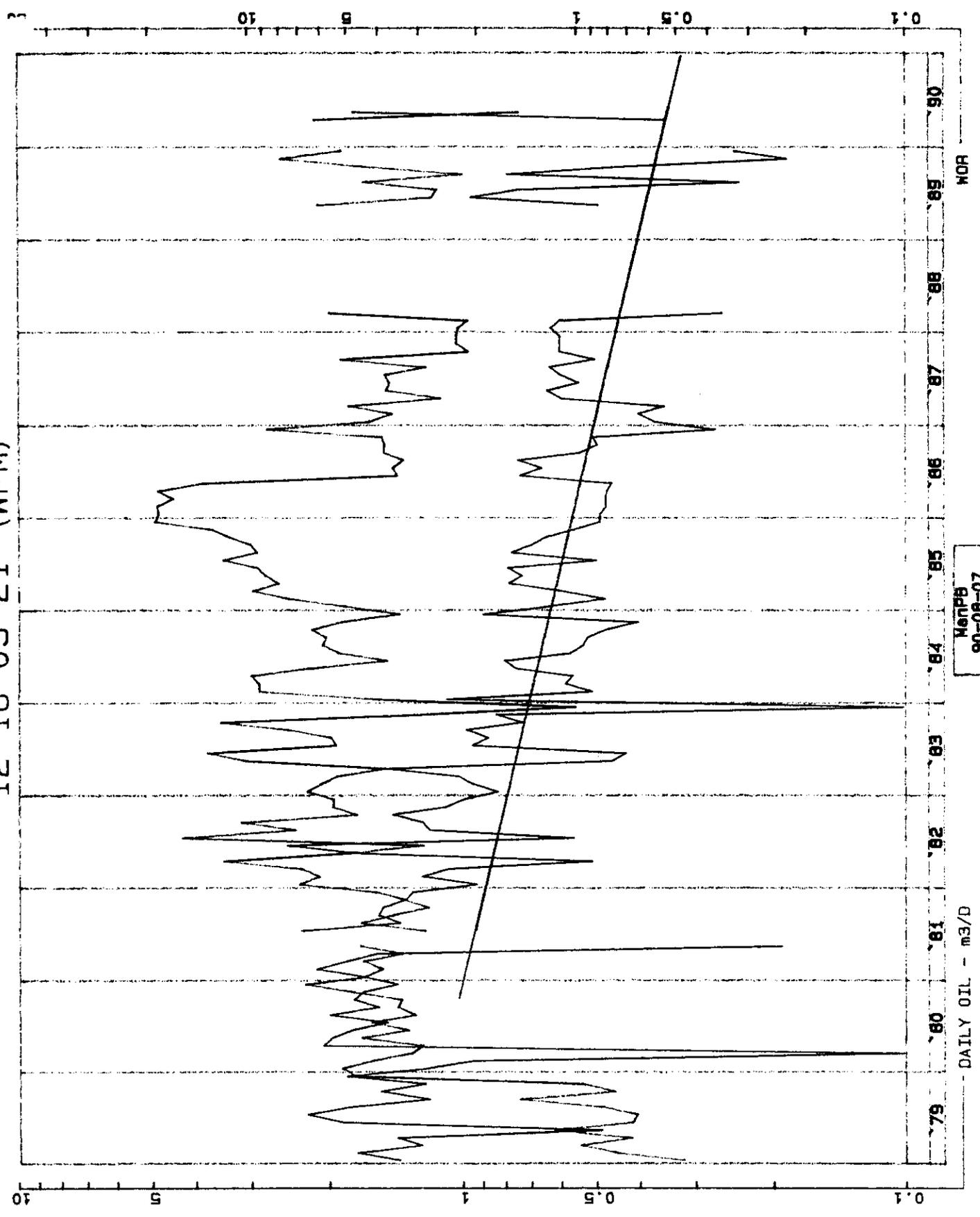
## LEGEND

- OILWELL
- 8-17 ● NUMBERED TRACT
- UNIT BOUNDARY

SCALE: 3" = 1 MILE

FIGURE  
1

12-16-03-21 (WPM)



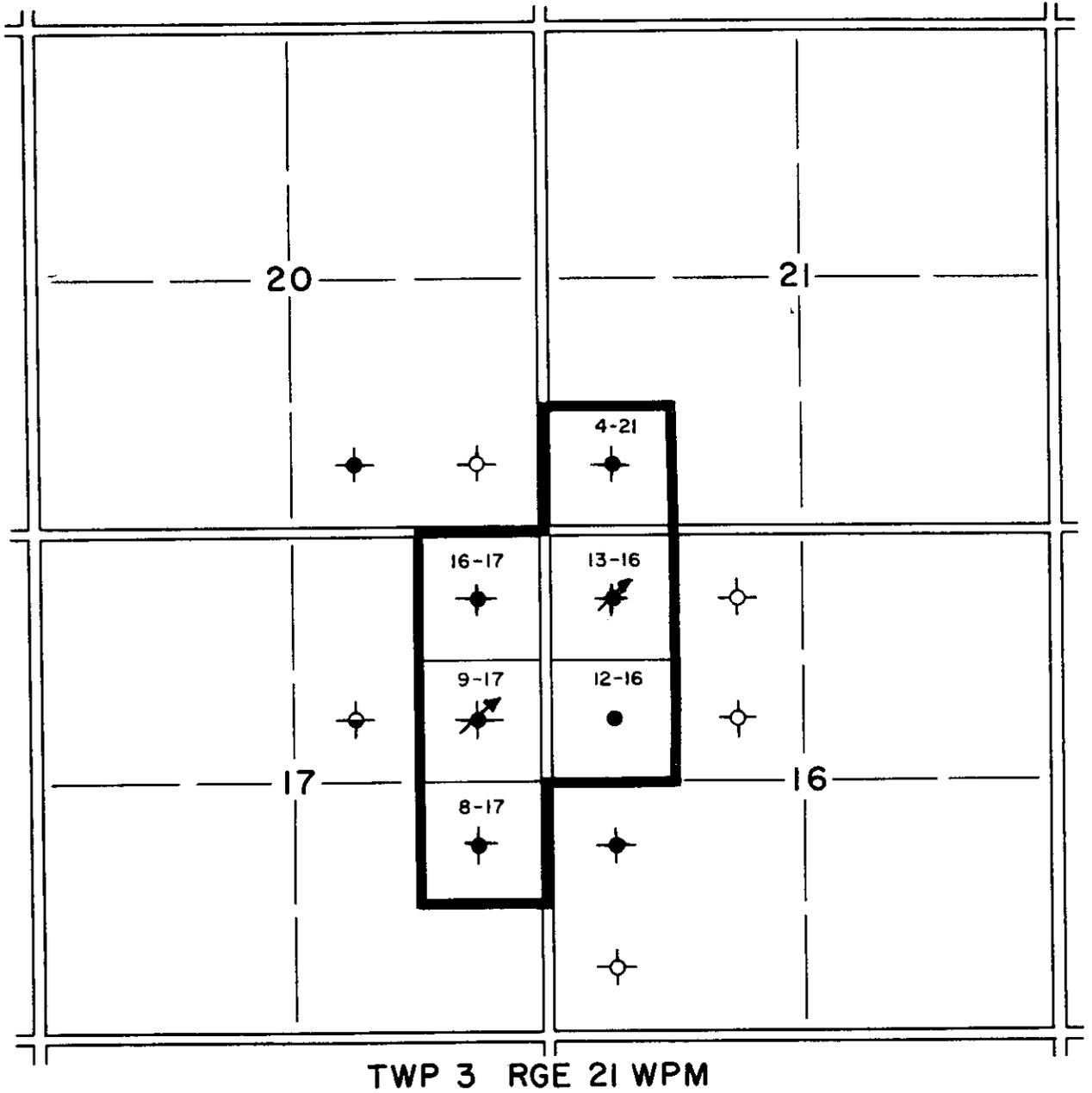
MarPB  
90-08-07  
09:00:59

DAILY OIL - m3/D

WOR

FIG. 2

# MAP OF UNIT AREA



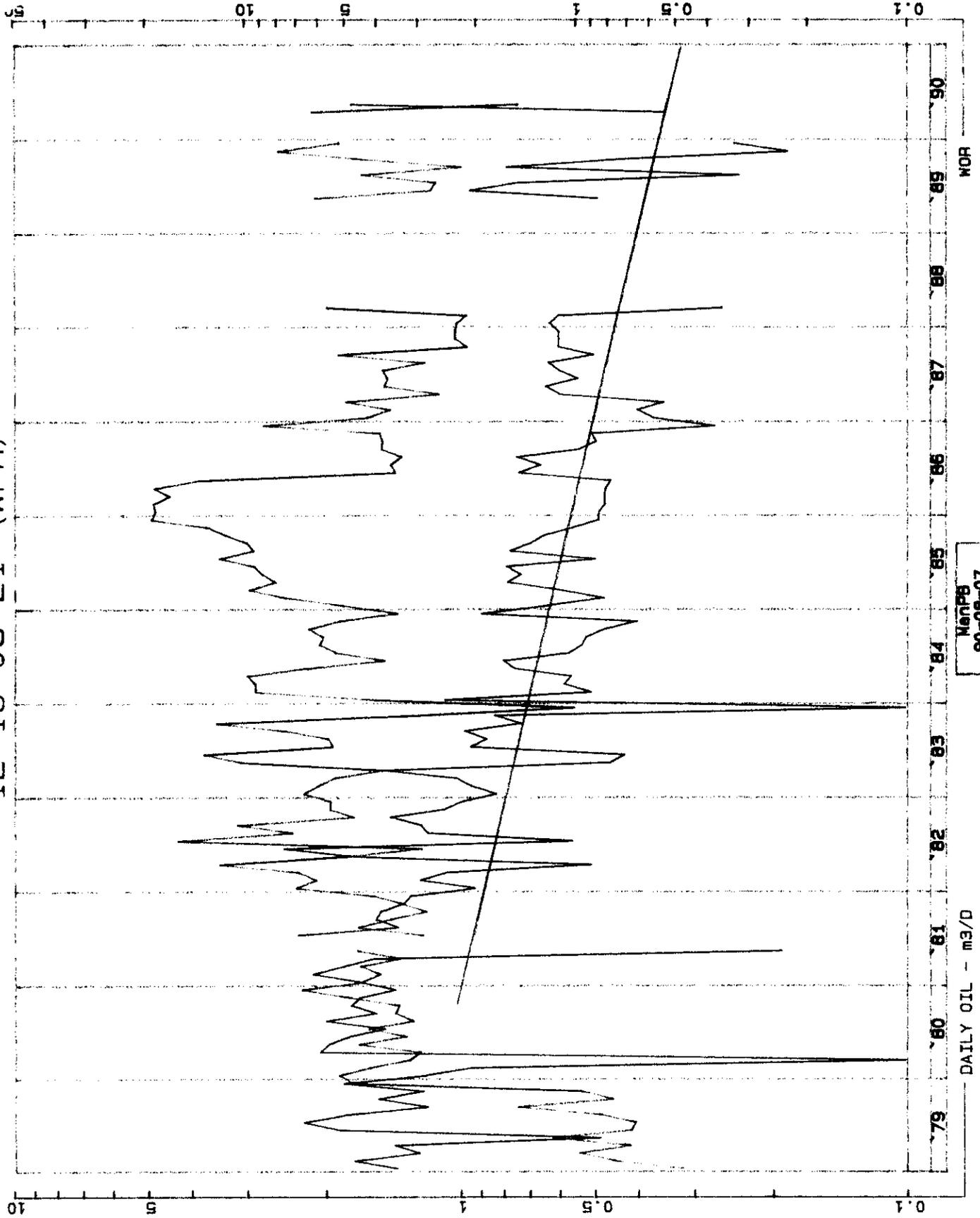
## LEGEND

- OILWELL
-  NUMBERED TRACT
-  UNIT BOUNDARY

SCALE: 3" = 1 MILE

FIGURE  
1

12-16-03-21 (WPM)



DAILY OIL - m3/D

ManPB  
90-08-07  
09:00:59

FIG. 2

## WHITEWATER UNIT No. 1

HEARING DEC 15 1970

- lands involved  
 12 & 13 - 16 - 3-21  
 8, 9 & 16 - 17 - 3-21  
 4 - 21 - 3-21

- application approved  
 in principle, subject  
 to Chevron obtaining  
 approval of 70% of  
 R.O.

CHEVRON'S application NOV 23/70 - Chevron only WIO

- unitization requested to facilitate implementation of  
 a EOR scheme

## PARTICIPATION FORMULA (PROPOSED)

30% CURRENT PRODUCTION FACTOR = 6 month production test period  
 JUN 1/69 to NOV 30/69

70% PENALIZED AVERAGE MONTHLY OIL PRODUCTION = penalty is for  
 water-cut \* CENTAL. OIL PROD / CALENDAR MONTHS ON PROD

TRACT	TRACT FACTOR
12-16	25.6873
13-16	31.89932
8-17	4.12793
9-17	1.00141
16-17	35.33119
4-21	1.95285

Accounting  
 procedures

Royalty Owner Consent > 75% of RO

WORKING INTEREST OWNER - CHEVRON 100%

- RO having 95.14951% of tract participation & 77.16670 of surface area - Unit agreed - uniting to unit agreement

Unitization Order No. 10 Jun 17/71 approve LGIC Jun 24/71 established - Whiteaker Unit No. 1

- effective date of unit July 1, 1971
- unit to be operated in accordance with the "Plan for Unit Operation Governing the Unitized Management Operation and Further Development of the Whiteaker Unit No. 1" (Dec 15/70)

Clause 17.03 (c) Tracts containing abandoned wells will continue to have production allocated to it

PART XX - TERM OF PLAN

WATERFLOOD PREDICTION - CHEVRON NOV 23/70

OOIP (VOLUMETRIC) 2,605,000 bbl

Primary Recovery = 477,000 bbl 18.3 %

Secondary Recovery = 756,000 bbl (terminated @ WOR: 25)

PROPOSED INJECTION WELLS

13-16-3-21

9-17-3-21

PR order No. 16 (JUN 17/71) approve pressure maintenance operations in Whitecliff Unit No. 1

- water injection commenced JAN/73

PR order No. 32 rescinded previous order

- 12-16, 16-17 responded to inj. G.H. 3 low prod. rates tripled
- 4-21 reactivated @ triple previous prod rates
- 8-17 no response
- BHP Nov/75 1089 psig above  $\hat{P}_R = 1050$  psi

performance Whitecliff Unit No. 1 indicates Waterflood was successful but response not as good as originally anticipated

- approved grant by Board Aug 31/74 to suspend water injection

cumulative Unit production to May 31/90 76113.8 L<sup>3</sup> oil  
51722.8 L<sup>3</sup> water.

12-16-3-21 only remaining production  
May 190 1.75 L<sup>3</sup> OPS WOR = 2.3 L<sup>3</sup>/L<sup>3</sup>  
(54.3 L<sup>3</sup>/L<sup>3</sup>)

- no further injection or disposal into Unit

- Whitewater Lake Lodgepole WL A Pool was discovered in 1953
- produced from UWWL member
- 12-16-3-21 well has recovered 21630 m<sup>3</sup>, 28% of cumulative pool production

### REMAINING RESERVES ESTIMATE

$$q_t = q_i \cdot e^{-Dt}$$

$$q_t = 0.5$$

$$t = 6 \text{ yrs.}$$

$$q_i = 1.0$$

$$\text{Decline (D)} = 12\% / \text{yr.}$$

$$1988 \text{ Average Prod} = 0.57 \text{ m}^3/\text{d}$$

$$\text{Economic Limit} = 0.3 \text{ m}^3/\text{d}$$

$$\begin{aligned} \text{Remaining Recoverable Res.} &= \frac{365(0.57 - 0.3)}{.12} \\ &= 821 \text{ m}^3 \end{aligned}$$

ALLOCATION OF MAY, 1990 PRODUCTION

TRACT	PARTICIPATION FACTOR	ALLOCATED PRODUCTION (m <sup>3</sup> )	ROYALTY RATE (%)	MINERAL OWNERS	ROYALTY RECEIVED (m <sup>3</sup> )
12-16-3-21	25.6873	13.95	12 1/2	Dyck Oil - 80% Strathallan - 20%	3.99 1.4 0.35
13-16-3-21	31.89932	17.32	12 1/2	Dyck Oil - 80% Strathallan - 20%	4.94 1.73 0.43
8-17-3-21	4.12793	2.24	12 1/2	Ellen E. Wilson	0.64 0.28
9-17-3-21	1.00141	0.54	12 1/2	Dyck Oil - 80% Strathallan - 20%	0.16 0.05 0.01
16-17-3-21	35.33119	19.18	12 1/2	Dyck Oil - 80% Strathallan - 20%	5.46 1.92 0.48
4-21-3-21	1.95285	1.06	12 1/2	Dyck Oil - 74% Strathallan - 18.5% Crown - 7.5% Great Plains - 4.25% GORR - 0.1	1.28 0.10 0.02 0.01 0.05
		<u>54.3</u>			

NON-UNIT ALLOCATION TO R.O. OF 12 16-3-21

WELL	PARTICIPATION FACTOR	PRODUCTION MAY, 1990 (m <sup>3</sup> )	ROYALTY RATE (%)	MINERAL OWNERS	ROYALTY (m <sup>3</sup> )
12 16-3-21	1.00	54.3 m <sup>3</sup>	12.5%	Dyck Oil 80% Strathallan 20%	5.43 1.36

ROYALTY OWNER	UNIT ROYALTY ALLOCATION (L <sup>3</sup> )	MAY/90 VALUE (\$/16/L <sup>3</sup> )	NON-UNIT ROYALTY ALLOCATION (L <sup>3</sup> )	MAY/90 VALUE (\$/16/L <sup>3</sup> )
DYCK OIL	5.2	\$ 603	5.43	\$ 630
STRATHALLAN MINERALS	1.29	\$150	1.36	\$ 158
ELLEN E. WILSON	0.28	\$32	0	0
CROWN	0.01	\$ 1	0	0
GREAT PLAINS	0.05	\$ 6	0	0

and shall be liable only for its proportionate share of the costs and expenses and liabilities.

PART XX

TERM OF PLAN

Term of Plan

20.01 This Plan shall remain in full force and effect so long as Unitized Substances are produced or are capable of being produced from the Unitized Strata in paying quantities and as long as operations are conducted on the Unit Area, and thereafter until all Unit Operated Wells have been abandoned and plugged, or otherwise disposed of, and all personal property has been salvaged and all real estate has been disposed of by Unit Operator. Notwithstanding anything herein contained, this Plan shall, subject to the approval of the Conservation Board, terminate and be at an end upon the concurring vote of a majority of the Working Interest Owners owning at least ninety-five percent (95%) of the Participating Interests and such vote shall be binding upon all the Working Interest Owners and Royalty Owners.

Rights on Termination of Plan

20.02 Upon the termination of this Plan, all rights in and to the Tracts shall revert to the owners and lessees thereof, and Unit Operator shall arrange for the salvaging, liquidation and other distribution of the Unit Facilities. The owner of the working interest in any such Tract desiring to take over and continue

to operate a Unit Operated Well located thereon may do so by notifying Unit Operator in writing of its election to take over said well and by paying Unit Operator, for the benefit of all Working Interest Owners, the fair net salvage value of the equipment used in the operation of such well and by agreeing to plug the well in accordance with the applicable laws, rules, regulations and orders at his expense at such time as it is abandoned.

With respect to all wells not taken over by individual Working Interest Owners, Unit Operator shall salvage as much of the casing and equipment in or on such wells as can economically and reasonably be salvaged and shall cause such wells to be properly plugged and abandoned in accordance with the applicable laws, rules, regulations and orders.

Salvage Costs      20.03 The Working Interest Owners shall share the cost of salvaging, liquidation, or other distribution of assets and properties used in the development and operation of the Unitized Strata in proportion to their respective interests in the Unit Facilities.

On Termination of Plan -  
Operation Shall Cease      20.04 Upon termination of this Plan the further development and operation of the Unit Area as a Unit shall be abandoned, unit operations shall cease, and thereafter the Working Interest Owners and the Royalty Owners shall be governed by the terms and provisions of the Leases affecting the separate Tracts.

Working  
Interest Owners  
to Advise  
Royalty Owners  
of Termination

20.05 The Working Interest Owners shall advise their res-  
pective Royalty Owners of the termination of this  
Plan within thirty (30) days of such termination.

Rehearing,  
Amendments,  
etc.

20.06 No application for a rehearing of the matters herein provided for, or for any amendments to this Plan in any respect, shall be heard by the Conservation Board within three (3) years of the Effective Date unless:

- (a) a majority of the Working Interest Owners, owning at least seventy-five percent (75%) of the Participating Interests have agreed in writing to such application for a rehearing of the matters herein provided for, or for amendments to this Plan, or
- (b) the Conservation Board, on its own motion, decides to hold a rehearing, or
- (c) the Conservation Board, after full consideration of the application of any Working Interest Owner, decides that such application should be heard.

PART XXI

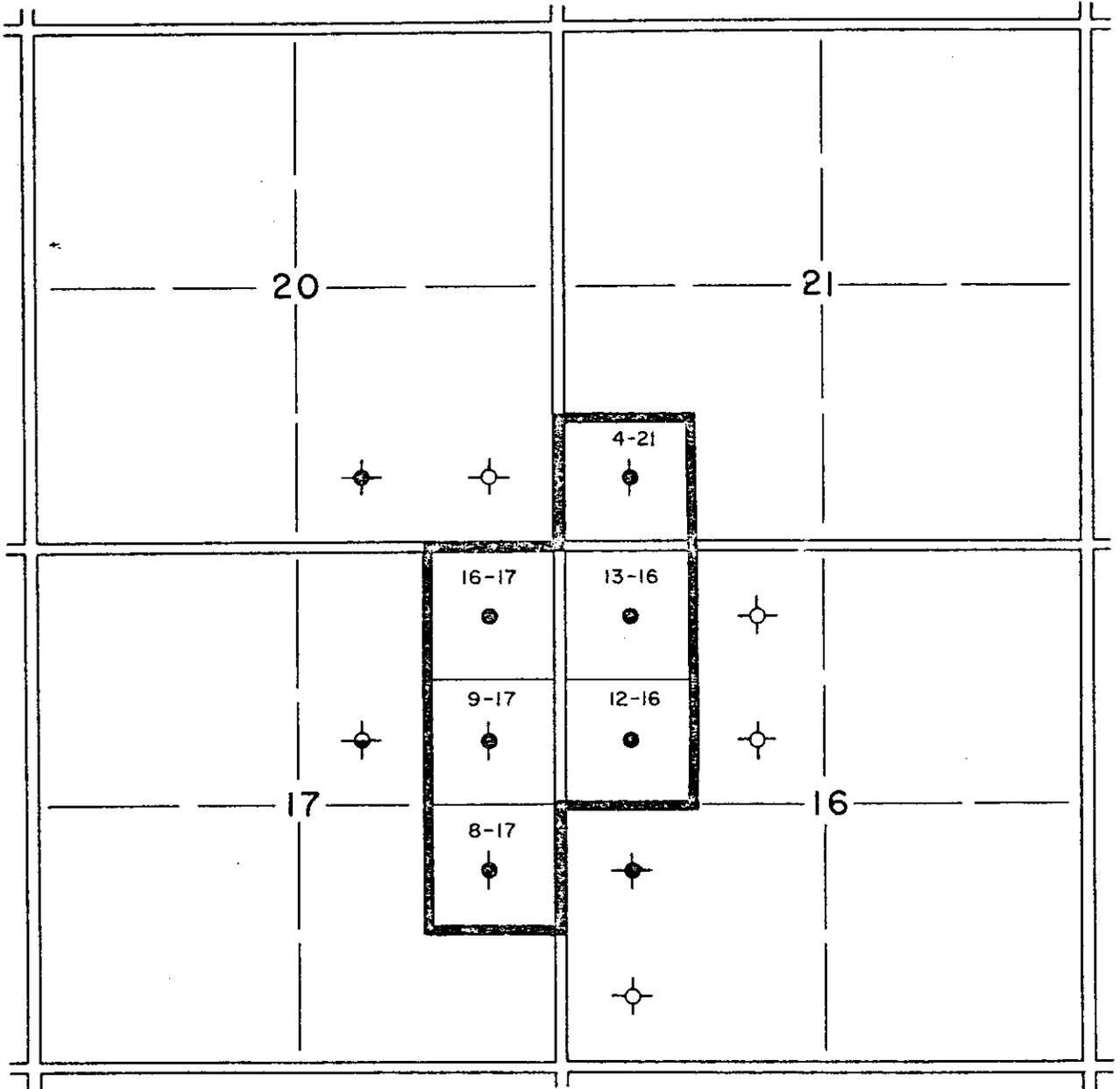
SINGLE WORKING INTEREST OWNER

Single Working  
Interest Owner

21.01 In the event that and for so long as there is only one Working Interest Owner in the Unit:

- (a) the following terms of this Plan shall not apply: Parts V, VI, Section 7.04 of Part VII, Parts VIII, X, XI, XII except Section 12.02, Section 26.01, Part XXVII;
- (b) all reference in this Plan to "Working Interest Owners", "Operating Committee" or "Unit Operator" and similar references shall refer to such single Working Interest Owner only and such single Working Interest Owner shall take the place of or perform the function of "Working Interest Owners", "Operating Committee" or "Unit Operator" or similar references.

PART XXIV  
MAP OF UNIT AREA



TWP 3 RGE 21 WPM

LEGEND

- OILWELL
- 8-17  
NUMBERED TRACT
- ▬ UNIT BOUNDARY

SCALE: 3" = 1 MILE

PART XXV

<u>TRACT NUMBER</u>	<u>TRACT PARTICIPATION</u>
12-16	25.68730
13-16	31.89932
8-17	4.12793
9-17	1.00141
16-17	35.33119
4-21	1.95285

PROPOSED WHITE WATER UNIT #1

Prima Facie List of Working Interest Owners and Royalty Owners

Receipt

TRACT NO.	WORKING INTEREST OWNER	ROYALTY OWNER	PERCENTAGE INTEREST
12-16	Chevron Standard Limited	<input checked="" type="checkbox"/> George Abram Dyck ) <input checked="" type="checkbox"/> Abram Abram Dyck ) <input checked="" type="checkbox"/> Jacob Abram Dyck ) <input checked="" type="checkbox"/> Peter Abram Dyck ) <input checked="" type="checkbox"/> John Abram Dyck )	20.00 20.00 20.00 20.00 20.00 <u>100%</u>
		c/o Mrs. Mina J. Dyck P. O. Box 937 Boissevain, Manitoba	
13-16	Chevron Standard Limited	<input checked="" type="checkbox"/> George Abram Dyck ) <input checked="" type="checkbox"/> Abram Abram Dyck ) <input checked="" type="checkbox"/> Jacob Abram Dyck ) <input checked="" type="checkbox"/> Peter Abram Dyck ) <input checked="" type="checkbox"/> John Abram Dyck )	20.00 20.00 20.00 20.00 20.00 <u>100%</u>
		c/o Mrs. Mina J. Dyck P. O. Box 937 Boissevain, Manitoba	
		*Canadian Superior Oil Ltd., Three Calgary Place 355-4th Avenue S. W., Calgary 1, Alberta	
8-17	Chevron Standard Limited	Canada Permanent Trust, 1776 Scarth St., Regina, Saskatchewan	100.00
9-17	Chevron Standard Limited	<input checked="" type="checkbox"/> Jacob Abram Dyck ) c/o Mrs. Mina J. Dyck P. O. Box 937 Boissevain, Manitoba	100.00
14-17	Chevron Standard Limited	<input checked="" type="checkbox"/> Jacob Abram Dyck ) c/o Mrs. Mina J. Dyck P. O. Box 937 Boissevain, Manitoba	100.00
			50% of 5.00 - 12.50

above  
as per  
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TRACT NO.	WORKING INTEREST OWNER	ROYALTY OWNER	PERCENTAGE	INTEREST
4-21	Chevron Standard Limited	Thomas Nicholas Jordan ) George Abram Dyck ) Peter Abram Dyck ) John Abram Dyck ) Abram - Abram Dyck ) The Minister, Department of Mines and Natural Resources, Legislative Buildings, Winnipeg 1, Manitoba	37.00 <del>18.50</del> 12 <del>18.50</del> 12 <del>18.50</del> 12 12 <u>7.50</u>	100%
		*B.O.C. of Canada Limited, 209 - 7th Avenue S. W., Calgary, Alberta	85% of 5.00 - 12.50	

\* Denotes Overriding Royalty and Percentage of Same