



July 9, 2003

4720-8200-59240-06
OGC - 03174

Rescinded
Jan. 21/04
(new proj created)
(06)

Kelvin Williamson, P.Eng.
Exploitation Engineer
Canadian Natural Resources Limited
Suite 2500, 855 - 2 Street S.W.
Calgary AB T2P 4J8

CNRL Project #1 (02)
CNRL Project #2 (03) ←

Dear Mr. Williamson:

**RE: GOOD ENGINEERING PRACTICE APPROVALS
HELMET NORTH - JEAN MARIE "A" POOL**

Attached are two Good Engineering Project (GEP) scheme approvals for a portion of the subject pool, as requested in your applications of May 22, 2003.

The Approvals 03-06-023 and 03-06-024 are hereby granted under Part 8, Division 6, Section 101 of the British Columbia *Drilling and Production Regulation*.

These approvals are intended to allow operational flexibility and to allow the drilling and production of horizontal gas wells without spacing and target considerations for maximization of gas recovery.

Sincerely,

Craig Gibson, P. Eng.
Manager
Reservoir Engineering and Geology

Attachments

Approval Letters to Industry
GEP, SWD, CONCURRENT PROD,
PRESSURE MAINTENANCE,
WATERFLOOD, ETC.

Copy 10

- Wellfile (originals)
- 59240
- Daily
- Resource Revenue
- S. Chicorelli
- R. Stefik
- G. Farr
- P. Attariwala
- C. Gibsbn
- D. Krezanoski

ENGINEERING AND GEOLOGY BRANCH

PO Box 9329 Stn Prov Gov't, Victoria BC V8W 9N3 Tel: (250) 952-0302 Fax: (250) 952-0291
Location: 6th Flr 1810 Blanshard St, Victoria BC

Headquarters: #200, 10003 110th Ave, Fort St. John BC V1J 6M7 Tel: (250) 261-5729 Fax: (250) 261-5744 www.ogc.gov.bc.ca

APPROVAL 03-06-023

THE PROVINCE OF BRITISH COLUMBIA
PETROLEUM AND NATURAL GAS ACT
DRILLING AND PRODUCTION REGULATION
OIL AND GAS COMMISSION

IN THE MATTER of a Good Engineering Practice (GEP) scheme of Canadian Natural Resources Limited (CNRL) for producing a portion of the Helmet North Jean Marie "A" pool gas without well spacing, target and production restrictions.

NOW, THEREFORE, the Commission, pursuant to Part 8, Division 6, Section 101 of the *Drilling and Production Regulation*, hereby approves the GEP scheme of CNRL for drilling wells without spacing and target restrictions, as such scheme is described in

an Application from CNRL to the Commission dated May 22, 2003. --

This scheme is approved, subject to the conditions herein contained and, in particular:

1. The area of the project shall consist of:

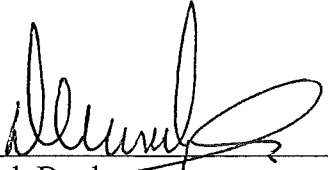
94-P-10

Block C - units 56, 57, 66, 67, 76, 77, 86 and 87.

2. The requirements of Section 10 of the *Drilling and Production Regulation* are hereby waived, provided that gas wells within the project area are not completed nearer than 250 m to the sides of the approved project area.

3. The gas wells within the project area may be produced without individual well allowable restrictions.

4. This approval may be modified or rescinded at a later date if deemed appropriate.



Derek Doyle
Commissioner
Oil and Gas Commission

DATED AT the City of Fort St. John, in the Province of British Columbia, this 9th day of July 2003.

APPROVAL 03-06-024

THE PROVINCE OF BRITISH COLUMBIA
PETROLEUM AND NATURAL GAS ACT
DRILLING AND PRODUCTION REGULATION
OIL AND GAS COMMISSION

Rescinded 2004/01/21
- created new GEP (06)

IN THE MATTER of a Good Engineering Practice (GEP) scheme of Canadian Natural Resources Limited (CNRL) for producing a portion of the Helmet North Jean Marie "A" pool gas without well spacing, target and production restrictions.

NOW, THEREFORE, the Commission, pursuant to Part 8, Division 6, Section 101 of the *Drilling and Production Regulation*, hereby approves the GEP scheme of CNRL for drilling wells without spacing and target restrictions, as such scheme is described in

an Application from CNRL to the Commission dated May 22, 2003.

This scheme is approved, subject to the conditions herein contained and, in particular:

1. The area of the project shall consist of:

94-P-10

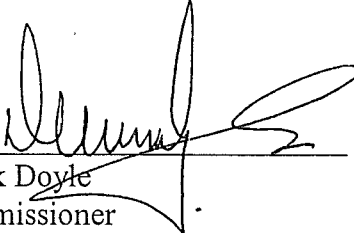
Block F - units 11, 21, 31 and 41

Block G - units 18-20, 28-30, 38-40 and 48-50.

2. The requirements of Section 10 of the *Drilling and Production Regulation* are hereby waived, provided that gas wells within the project area are not completed nearer than 250 m to the sides of the approved project area.

3. The gas wells within the project area may be produced without individual well allowable restrictions.

4. This approval may be modified or rescinded at a later date if deemed appropriate.


Derek Doyle
Commissioner
Oil and Gas Commission

DATED AT the City of Fort St. John, in the Province of British Columbia, this 9th day of July 2003.