



May 1, 2003

8300-2600/2700-59070-20  
OGC - 03105

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

Dear Mr. Wylie:

**RE: APPLICATION FOR COMMINGLED PRODUCTION  
CNRL ET AL WEASEL d-A5-B/94-H-2; WA# 1805**

The Commission has reviewed your application dated March 28, 2003 requesting permission to commingle gas production from the Bluesky and Gething zones encountered in the subject well.

The Commission has designated the gas pools under application to be the Weasel - Bluesky "A" and Gething "A".

Reservoir pressure and fluid composition are similar for the two pools. Commingling approval is granted as both pools are in pressure communication as a result of fracture treatment. As both zones are completed in off-target locations for gas, they are subject to a penalized daily gas allowable (DGA) which is the product of the minimum unadjusted DGA of  $60.0 \text{ e}^3 \text{ m}^3$  and the off-target factor as calculated from the maximum possible displacement from deviation survey records.

We wish to advise you that your application to commingle production from these two pools is hereby approved, under the authority of section 41 of the *Drilling and Production Regulation*, subject to the following conditions:

1. Production from the Bluesky (1016.2-1017.4 mKB) and Gething (1036.6-1039.0 mKB) zones may be commingled.
2. Gas, condensate and water production should be allocated on the Ministry of Provincial Revenue BC S-1 and BC S-2 forms on the basis of Bluesky 30% and Gething 70%.
3. Production from each zone is subject to a daily gas allowable production limitation of  $22.2 \text{ e}^3 \text{ m}^3$ .
4. This approval may be modified at a later date if deemed appropriate through a change in circumstances.

Sincerely,

Peter Attariwala, P. Eng.  
Supervisor  
Reservoir Engineering

**Approval Letters to Industry  
COMMINGLED PRODUCTION**

Copy 8

<input type="checkbox"/>	Wellfile (originals)
<input type="checkbox"/>	59070-20
<input type="checkbox"/>	Daily
<input type="checkbox"/>	Resource Revenue
<input type="checkbox"/>	R. Stefik
<input type="checkbox"/>	G. Farr
<input type="checkbox"/>	P.S. Attariwala
<input type="checkbox"/>	D. Krezanoski

Attachments

**ENGINEERING AND GEOLOGY BRANCH**

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

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



OIL AND GAS COMMISSION

Mailing Address:
Engineering and Geology Branch
PO BOX 9329 STN PROV GOV'T
VICTORIA BC V8W 9N3

Location:
1810 Blanshard St - 6th Fl
Victoria BC V8T 4J1
Phone: (250) 952-0302
FAX: (250) 952-0291

APPLICATION FOR DAILY GAS ALLOWABLE (DGA)

Individual Well

Form must be submitted under the authority of the Petroleum and Natural Gas Act R.S.B.C. 1996, c. 361, Drilling and Production Regulation, s.88, to the Oil and Gas Commission, at the address noted above. Information collected on this form will be used for public record in accordance with s.57 of the Drilling and Production Regulation.

[X] Initial Application

[ ] Revision No. \_\_\_\_\_

Well Name CNRL et al Weasel d-A5-B/94-H-2 Well Authorization No.1805

Field Weasel Pool Bluesky "A"

Table with columns: Factors, Units, Owner's Calculations (Values Obtained from, Values Used in This Calculation), COMMISSION USE ONLY (Branch Calculations). Rows include Depth to top gas pay, Depth to bottom gas pay, Assigned area, Average net pay thickness, Average net porosity, Average water saturation, Initial pool pressure at MPP, Formation temperature, Initial supercompressibility factor, Recovery factor, and Unadjusted Daily Gas Allowable calculation.

Name, Position, Signature, Company, Date, Phone No., FAX No.

APPROVAL (for commission use only)

Off-target penalty factor 0.3708 Daily gas allowable 22.2 10^3m^3 (minimum UDGA is 60.0 10^3m^3 in accordance with Section 1 of the Drilling and Production Regulation)

Date Effective March 28, 2003

Field Weasel Pool Bluesky "A"

Approval Date May 1, 2003



OIL AND GAS COMMISSION

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Engineering and Geology Branch
PO BOX 9329 STN PROV GOV'T
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Initial Application

Revision No.

Well Name CNRL et al Weasel d-A5-B/94-H-2
Well Authorization No.1805

Field Weasel Pool Getting "A"

Table with columns: Factors, Units, Owner's Calculations (Values Obtained from, Values Used in This Calculation), COMMISSION USE ONLY (Branch Calculations). Rows include Depth to top gas pay, Depth to bottom gas pay, Assigned area, Average net pay thickness, Average net porosity, Average water saturation, Initial pool pressure at MPP, Formation temperature, Initial supercompressibility factor, Recovery factor, and Unadjusted Daily Gas Allowable formula.

Name, Position, Signature, Company, Date, Phone No., FAX No.

APPROVAL (for commission use only)

Off-target penalty factor 0.3700 Daily gas allowable 22.2 10^3m^3
(minimum UDGA is 60.0 10^3m^3 in accordance with Section 1 of the Drilling and Production Regulation)

Date Effective March 28, 2003

Field Weasel Pool Getting "A"

Approval Date May 1, 2003