



November 18, 2003

2020-4800/4900-59070-20  
OGC - 03302

Leonard Fabes, P.Eng.  
Exploitation Engineer  
Canadian Natural Resources Limited  
2500, 855 - 2 Street S.W.  
CALGARY AB T2P 4J8

Dear Mr. Fabes:

**RE: APPLICATION FOR COMMINGLED PRODUCTION  
CNRES N BOUNDARY 15-11-87-14 W6M; WA# 15802**

The Commission has reviewed your application dated November 12, 2003 requesting permission to commingle production from the Halfway and Doig zones encountered in the subject well.

The Commission has designated these pools as the Boundary Lake North – Halfway “B” gas pool and Doig “D” oil pool. The Halfway “B” is a mature multi-well gas pool, all wells presently operated by CNRL, whereas the Doig “D” is a recently discovered two well oil pool. The well 13-11-87-14 (WA 15070) was approved January 14, 2003 to commingle these same two pools when well test data indicated that these zones are in communication behind the casing, likely due to fracture stimulation. As the subject well was completed with a similar stimulation, and only 3.7 meters separating the zones, commingling is likely occurring, reflected by the recently increasing well GOR.

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

1. Production from the Halfway (1391.6–1392.4 mKB) and Doig (1397.0–1400.5 mKB) zones may be commingled.
2. Oil, gas and water production should be allocated on the Ministry of Provincial Revenue BC S-1 and BC S-2 forms on the basis of:  
Doig (UWI 100151108714W600) – all oil and water, and solution gas up to a GOR of 177 m<sup>3</sup>/m<sup>3</sup>  
Halfway (UWI 100151108714W602) – all remaining gas.
3. This approval may be modified at a later date if deemed appropriate through a change in circumstances.

As noted above, a UWI has been created for reporting production allocated to the Halfway zone. Amended S-1 statements should be filed to reflect these allocation factors, back to the month of initial production

Sincerely,

Peter Attariwala, P.Eng.  
Supervisor  
Reservoir Engineering

**Approval Letters to Industry  
COMMINGLED PRODUCTION  
Copy 8**

	Wellfile (originals)
	59070-20
	Daily
	Resource Revenue
	R. Stefik
	G. Farr
	P.S. Attariwala
	D. Krezanoski

**RESOURCE CONSERVATION BRANCH**

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