



May 1, 2007

8900-2700/4610-59070-20

Montie Hale, EIT  
Exploitation Engineer  
Canadian Natural Resources Limited  
2500, 855 – 2 Street SW  
CALGARY AB T2P 4J8

Dear Mr. Hale:

**RE: COMMINGLED PRODUCTION APPROVAL  
CNRL ZAREMBA d-85-E/94-H-7; WA# 20681**

Commission staff have reviewed the application received March 12, 2007 requesting permission to commingle production from the Gething and Charlie Lake zones encountered in the subject well.

The OGC maps the three Gething intervals from 1166.5 to 1199.0 mKB as the Zarembo field – Gething “A” pool. The member identified as the Charlie Lake is mapped as the Zarembo – A Marker “G” pool.

Both zones have been flow tested but not yet produced. The Gething “A”, tested at a rate of  $4.4 \times 10^3 \text{ m}^3/\text{d}$ , was completed but never produced from one other well, c-64-E/94-H-7 (WA# 10278). The A Marker “G” tested gas at a rate of  $10 \times 10^3 \text{ m}^3/\text{d}$  from the subject well and was previously produced from c-93-E/94-H-7 (WA# 9552). As both zones are expected to produce at close to their critical lift rates, commingled production through the production tubing is expected to lift liquids more effectively thereby extending the economic life of this well. Both zones are at similar reservoir pressure and contain sweet gas.

The 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 Gething (1166.5 – 1199.0 mKB) and A Marker (1213.5 – 1214.5 mKB) zones may be commingled.
2. Gas, condensate and water production should be allocated on the Ministry of Small Business and Revenue BC S-1 and BC S-2 forms on the basis of Gething 40% and A Marker 60%. The allocation factors may be amended to reflect results of any future tests.
3. This approval may be modified at a later date if deemed appropriate through a change in circumstances.

Should you have any questions, please contact the undersigned at (250) 952-0310.

Sincerely,

Ron Stefik, AScT  
Sr Reservoir Engineering Technologist  
Resource Conservation Branch

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