



November 27, 1996

961210

0760-4800-59240-09

CNRL PROS (05)

Ms. Cassandra Lai
Exploitation Engineer
Canadian Natural Resources Limited
2000, 425 - 1st Street SW
Calgary, AB T2P 3L8

Dear Ms. Lai:

**Re: Application For Pressure Maintenance Approval
Beavertail Halfway "H" Pool**

This refers to your application dated November 20, 1996 wherein you requested an amendment to the waterflood pressure maintenance scheme approval for the Beavertail Halfway "H" oil pool.

Attached is Approval 96-09-004 (AMENDMENT #1) for the application granted under section 116 of the *Petroleum and Natural Gas Act*.

The only change from the conditions of the original approval is the location of the water injection well, now at c-40-A/94-A-15.

Yours sincerely,

for. Bou van Oort
Director
Engineering and Operations Branch

Attachment

Copies for Approval Letters to Industry (10)

D.L. Johnson
Resource Revenue
P.S. Attariwala
✓ R.G. Stefik
G. Farr
D. Richardson
S. Chicorelli
Daily
Well File
59070-04

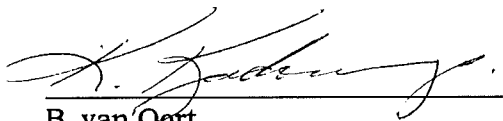
APPROVAL 96-09-004 (AMENDMENT #1)

**THE PROVINCE OF BRITISH COLUMBIA
PETROLEUM AND NATURAL GAS ACT
MINISTRY OF EMPLOYMENT AND INVESTMENT
ENERGY AND MINERALS DIVISION**

IN THE MATTER of a pressure maintenance scheme of Canadian Natural Resources Limited (CNRL) for waterflood recovery of oil by water injection into the Beavertail Halfway "H" Pool.

The Minister of Employment and Investment, pursuant to section 116 of the *Petroleum and Natural Gas Act*, hereby orders as follows:

1. The pressure maintenance scheme of CNRL for waterflood recovery of oil from the Beavertail Halfway "H" Pool as such scheme is described in the Applications from CNRL to the Ministry dated January 15, May 27, and November 20, 1996 is hereby approved, subject to the terms herein contained.
2. The pressure maintenance scheme area shall be delineated by units 38-40, 48-50, 60 and 70 of Block A/94-A-15 and units 31, 41, 51 and 61 of Block B/94-A-15.
3. The reserves based project oil allowable is 108 m³/d.
4. Water may be injected into the Beavertail Halfway "H" Pool through the well c-40-A/94-A-15.
- March 7/97 → 5. The scheme shall be deemed to have commenced upon water being injected into the well referred to in clause 4, with the Division being notified in writing of the date of commencement.
6. The well head injection pressure must not exceed the formation fracture pressure.
7. All associated gas production will be conserved.
8. An oil well may be drilled anywhere within the project area provided that it is not nearer than 100 m to the sides of the project area.
9. Progress reports shall be filed as stipulated in Part 9, section 108 of the *British Columbia Drilling and Production Regulation*.
10. The operations of the pressure maintenance scheme will be subject to periodic review and modification to the approval may be ordered, if deemed appropriate.


for B. van Oort,
Director
Engineering and Operations Branch

DATED AT the City of Victoria, in the Province of British Columbia, this 27 day of November, 1996.