

Oil and Gas Commission

December 11, 1998

File: 2400-4805-59240-09

CNRL PILOT PROJECT (12)

Mr. Dick VanAppelen, P. Eng.
Exploitation Engineer
Canadian Natural Resources Limited
2000, 425 - 1st Street SW
Calgary, AB T2P 3L8

Dear Mr. VanAppelen:

**RE: APPLICATION TO AMEND PILOT PRESSURE MAINTENANCE
BUICK CREEK LOWER HALFWAY "B" POOL**

This refers to your application dated October 21, 1998 wherein you requested an amendment to the pilot pressure maintenance scheme approval in the subject oil pool. In the application you requested approval to convert two additional wells for use as water injectors.

Attached is Approval 98-09-001 (Amendment #1) for the application, granted under section 100 of the Petroleum and Natural Gas Act.

Yours sincerely,



B. van Oort, P. Eng.
Director
Engineering and Geology Branch
Oil and Gas Commission

Attachment

PA/sjr

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

Copy

<input type="checkbox"/>	Wellfile (originals)
<input type="checkbox"/>	59240
<input type="checkbox"/>	Daily
<input type="checkbox"/>	Resource Revenue
<input checked="" type="checkbox"/>	R. Stefik
<input type="checkbox"/>	G. Farr

Email

<input type="checkbox"/>	D. Krezanowski
<input type="checkbox"/>	S. Chicorelli

APPROVAL 98-09-001 (AMENDMENT #1)

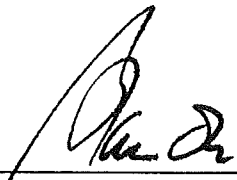
**THE PROVINCE OF BRITISH COLUMBIA
PETROLEUM AND NATURAL GAS ACT
OIL AND GAS COMMISSION**

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

The approval granted pursuant to section 100 of the Petroleum and Natural Gas Act, R.S.B.C. 1996, c.361 by the Ministry of Employment and Investment (Ministry) on January 19, 1988 is hereby amended as follows:

The pilot pressure maintenance scheme of CNRL for waterflood recovery of oil from the Buick Creek Lower Halfway "B" Pool as such scheme is described in the Application from CNRL to the Ministry dated December 5, 1997 and supplemented with additional application dated October 21, 1998 is hereby approved, subject to the terms herein contained.

1. The pilot pressure maintenance scheme area shall be delineated by units 57, 58, 67 and 68 of Block I/94-A-11.
2. The daily oil allowable is waived.
3. Water may be injected into the Buick Creek Lower Halfway "B" Pool through the wells c-57-I, d-A57-I and d-58-I/94-A-11.
4. The injection pressure at the sandface must not exceed the formation fracture pressure.
5. Progress reports shall be filed as stipulated in section 8 of the *Petroleum and Natural Gas General Regulation*.
6. The operations of the pilot pressure maintenance scheme will be subject to periodic review, and modification to the approval may be ordered, if deemed appropriate.



Bou van Oort, P. Eng.
Director
Engineering and Geology Branch
Oil and Gas Commission

DATED AT the City of Victoria, in the Province of British Columbia, this 14th day of December, 1998.