



September 22, 2003

2400-4800-32640-02
OGC - 03256

Robert Richardson, P. Eng.
Exploitation Engineer
Canadian Natural Resources Limited
Suite 2500, 855 - 2 Street SW
Calgary AB T2P 4J8

Dear Mr. Richardson:

**RE: APPLICATION FOR SALT WATER DISPOSAL
CNRES BUICK d-34-H/94-A-14 (WA# 14498); Halfway**

The Commission has reviewed your application dated August 20, 2003 requesting permission to dispose of produced water into the Upper Halfway Formation of the subject well.

We concur that the subject well appears to be a good candidate for salt water disposal into the Halfway Formation. Notice of your application was published in two issues of the *British Columbia Gazette*. As no written objections were received, your application is approved.

Attached is Approval 03-02-009 for the application, granted under Part 8, Division 3, Section 94 of the *Drilling and Production Regulation*.

Sincerely,

Craig Gibson, P.Eng.
Manager
Reservoir Engineering and Geology

Attachment

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

Copy 10

- Wellfile (originals)
- 59240
- Daily
- Resource Revenue
- S. Chicorelli
- R. Stefik
- G. Farr
- P. Attariwala
- C. Gibson
- D. Krezanoski

ENGINEERING AND GEOLOGY BRANCH

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APPROVAL 03-02-009

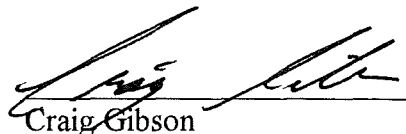
**THE PROVINCE OF BRITISH COLUMBIA
PETROLEUM AND NATURAL GAS ACT
DRILLING AND PRODUCTION REGULATION
OIL AND GAS COMMISSION**

IN THE MATTER of a scheme of Canadian Natural Resources Limited (CNRL) for Salt Water Disposal (SWD) in the Halfway Formation in the well CNRES Buick d-34-H/94-A-14 (WA# 14498).

NOW, THEREFORE, pursuant to Part 8, Division 3, Section 94 of the *Drilling and Production Regulation*, the SWD scheme is hereby approved, as such scheme is described in

an application from CNRL to the Commission dated August 20, 2003.

1. The water disposal interval must be in the Halfway Formation (1350.0-1354.0 mKB).
2. A record of volume of salt water disposed of through this well must be included on a Monthly Injection/Disposal Statement, in the prescribed form (BC-S18), which must be submitted to the Oil and Gas Commission not later than the 25th day of the month following the reported month.
3. The disposal/injection pressure at the sandface must not exceed the formation fracture pressure.
4. This approval may be modified or rescinded if deemed appropriate through a change in circumstances.



Craig Gibson
Manager
Reservoir Engineering and Geology
Oil and Gas Commission

DATED AT the City of Victoria, in the Province of British Columbia, this 22nd day of September 2003.