



September 8, 2003

2400-4800-32640-02  
OGC - 03246

Robert Richardson  
Exploitation Engineer  
Canadian Natural Resources Limited  
2500, 855 - 2<sup>nd</sup> Street SW  
Calgary AB T2P 4J8

Dear Mr. Richardson:

**RE: APPLICATION FOR SALT WATER DISPOSAL  
CNRES BUICK c-57-I/94-A-11; WA# 6529**

The Commission has reviewed your application dated July 30, 2003 requesting permission to dispose of produced water into the Upper Halfway Formation of the subject well. A water injectivity test was approved by this office on August 7, 2003.

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 03-02-008 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 03-02-008

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

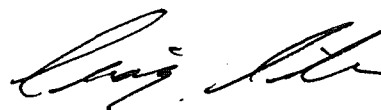
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IN THE MATTER of a scheme of Canadian Natural Resources Limited (CNRL) for Salt Water Disposal (SWD) in the Halfway Formation in the well CNRL Buick c-57-I/94-A-11 (WA# 6529).

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 July 30, 2003.*

1. The water disposal interval must be in the Halfway Formation (1331.0-1345.0 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.



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Craig Gibson  
Manager  
Reservoir Engineering and Geology  
Oil and Gas Commission

DATED AT the City of Victoria, in the Province of British Columbia, this 8<sup>th</sup> day of September 2003.