



July 13, 1999

4600-2800-32640-02
OGC 990401

Ms. Linda McKean
Reservoir Engineer
Berkley Petroleum Corp.
1250, 202 - 6th Ave SW
Calgary, AB T2P 2R9

Dear Ms. McKean:

**RE: APPLICATION FOR SALT WATER DISPOSAL
Berkley et al Halfway 8-11-87-25 W6M (WA# 182)**

The Commission has reviewed your application dated May 14, 1999 requesting disposal of produced water into the Cadomin formation of the subject well.

An objection to your proposal was received from Canadian Natural Resources Limited (CNRL) following the publication of a notice of your application in *The British Columbia Gazette*. Based on a detailed review of all the geological, geophysical and technical data, it is concluded that the proposed disposal well is a good candidate for salt water disposal in the Cadomin formation. Following discussion of the technical data, CNRL has withdrawn their objection in a letter dated July 8, 1999.

We note that compatibility and injectivity testing is currently being conducted. Results of these tests must be submitted to the Commission promptly.

Attached is Approval 99-02-004 for the application granted under Part 8, Division 3, Section 94 of the *Drilling and Production Regulation*.

Sincerely,

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

Attachment

cc: Petroleums Lands Branch
Ministry of Energy and Mines

Canadian Natural Resources Limited
Attn: Dick VanAppelen

- Approval Letters to Industry
GEP, SWD, CONCURRENT PROD,
PRESSURE MAINTENANCE,
WATERFLOOD, ETC.
- Copy
- Wellfile (originals)
 - 59240
 - Daily
 - Resource Revenue
 - R. Stefik
 - G. Farr
- Email
- D. Krezanowski
 - S. Chicorelli
 - C. Gibson

ENGINEERING AND GEOLOGY BRANCH

PO Box 9329 Stn Prov Gov't, Victoria BC V8W 9N3 Tel: (250) 952-0302 Fax: (250) 952-0291
Location: 6th Flr 1810 Blanshard St. Victoria BC

APPROVAL 99-02-004

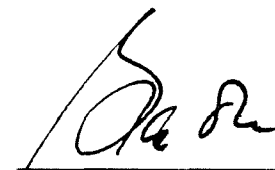
THE PROVINCE OF BRITISH COLUMBIA
PETROLEUM AND NATURAL GAS ACT
DRILLING AND PRODUCTION REGULATION
OIL AND GAS COMMISSION

IN THE MATTER of a scheme of Berkley Petroleum Corp. (Berkley) for Salt Water Disposal (SWD) in the Cadomin formation in the well Berkley et al Halfway 8-11-87-25 W6M (WA# 182).

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 Berkley to the Commission dated May 14, 1999.

1. The water disposal interval must be in the Cadomin formation.
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.



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 13th day of July, 1999.