



July 23, 2008

5180-7400-32640-02

Nevin Weist  
Petro-Canada Oil and Gas  
P.O Box 2844  
Calgary, AB T2P 3E3

Dear Mr. Weist:

**RE: SALT WATER DISPOSAL APPROVAL  
PC KLUA b-050-G/094-J-09, (WA# 5144); Debolt Formation**

The Commission has reviewed your application dated June 16, 2008 requesting disposal of produced water into the Debolt formation of the subject well in the Klua area.

The subject well has been designated to the Klua – Debolt ‘A’ pool. There are two other wells in the pool, d-51-F/094-J-09 (WA # 3892) and c-38-G/094-J-09 (WA #4390). The d-51-F well is currently producing gas at  $\sim 3 \times 10^3 \text{ m}^3/\text{d}$  which is used for fuel gas. The c-38-G well produced between 1978 and 1994 and is currently suspended. The Commission agrees that disposal of produced water into the subject well will not adversely effect the production over 1.4 km away at the d-51-F well.

We concur that the well b-050-G/094-J-09 is a good candidate for salt water disposal into the Debolt formation. A successful disposal/injectivity test was conducted, following a test approval granted by this office March 16, 2007. Notice of your application was posted to the OGC website and no objections were received. Letters of consents were received from offset mineral holders.

Attached is Approval 08-02-006 for the application granted under Part 8, Division 3, Section 94 of the *Drilling and Production Regulation*.

Sincerely,

Richard Slocomb, P. Eng.  
Supervisor, Reservoir Engineering  
Resource Conservation

Attachment

Cc Wayne Cowger, OGC FSJ

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**RESOURCE CONSERVATION**

PO Box 9329 Stn Prov Gov't, Victoria BC V8W 9N3 Tel: (250) 952-0302 Fax: (250) 952-0301  
Location: 6<sup>th</sup> Flr 1810 Blanshard St. Victoria BC

APPROVAL 08-02-006

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

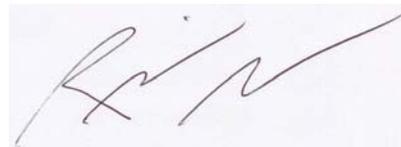
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IN THE MATTER of a scheme of Petro-Canada Oil and Gas (Petro-Canada) for Salt Water Disposal (SWD) in the Klua field Debolt formation in the well PC Klua b-050-G/094-J-09 W6M (WA# 5144).

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 Petro-Canada to the Commission dated June 16, 2008.*

1. The water disposal interval must be in the Debolt 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. The Commission must be notified in writing of the date of commencement of disposal.
5. This approval may be modified or rescinded if deemed appropriate through a change in circumstances.



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Richard Slocomb, P.Eng  
Supervisor, Reservoir Engineering  
Resource Conservation  
Oil and Gas Commission

DATED AT the City of Victoria, in the Province of British Columbia, this 23<sup>rd</sup> day of July, 2008.