



February 26, 2008

9000-7400-32640-02

Don Babiuk  
Production Engineering Manager  
Apache Canada Ltd.  
1000, 700 – 9<sup>th</sup> Avenue S.W.  
Calgary, AB T2P 3V4

Dear Mr. Babiuk:

**RE: SALT WATER AND RECOVERED FLUIDS DISPOSAL APPROVAL  
APACHE OOTLA a-B2-J/94-O-09 (WA# 23649); DEBOLT FORMATION**

Commission staff have reviewed the information submitted February 19, 2008, in support of your application dated November 19, 2007, requesting permission to dispose of produced water and completion/workover fluids resulting from “slick water” fracture treatments, into the Debolt formation of the subject well.

Existing well control is limited in this area. An injectivity test, approved December 7, 2008, has been successfully completed, with all conditions satisfied. Information from the subject well indicates that the Debolt is water saturated and of favourable rock quality for disposal purposes.

We concur that the subject well appears to be a good candidate for salt water disposal in the Debolt formation. Notice of your application was posted on the OGC website, with no objections received.

Attached is Approval 08-02-002 for the application, granted under Part 8, Division 3, section 94 of the *Drilling and Production Regulation*.

Section 7(1) of the *Oil and Gas Waste Regulation* under the Environmental Management Act states, in part: “... the operators of equipment or facilities are authorized to discharge **produced water or recovered fluids from a well completion or workover** to an underground formation in accordance with section 94 of the *Drilling and Production Regulation* ...” Therefore no additional permits are required for subsurface disposal of the proposed fluids.

Should you have any questions, please contact Ron Stefik at (250) 952-0310.

Sincerely,

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

Attachment

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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

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APPROVAL 08-02-002

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

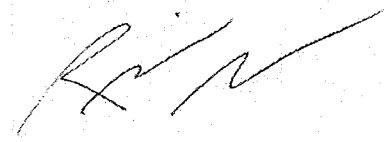
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IN THE MATTER of a scheme of Apache Canada Ltd. (Apache) for Salt Water and Recovered Fluids Disposal in the Other Areas - Debolt formation in the well Apache Ootla a-B2-J/94-O-09 (WA# 23649).

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

*an application from Apache to the Commission dated November 19, 2007 and related submissions.*

1. The disposal interval must be in the Debolt formation.
2. A record of volume of salt water and recovered fluid 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.



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

DATED AT the City of Victoria, in the Province of British Columbia, this 26<sup>th</sup> day of February 2008.