

August 11, 2009

9000-7400-32640-02

Paul da Silva  
Production Engineer  
Devon Canada Corporation  
2000, 400 – 3<sup>rd</sup> Avenue S.W.  
Calgary AB T2P 4H2

Dear Mr. da Silva:

**RE: SALT WATER DISPOSAL APPROVAL  
DEVON ARL KOMIE d-A090-G/094-O-08 (WA# 24381); DEBOLT FORMATION**

Commission staff have reviewed your application dated March 18, 2009 requesting permission to dispose of produced water from shale gas completions into the Debolt formation of the subject well.

The subject well was drilled in November 2008 and the Debolt formation was perforated and acidized in June 2009. A total of 539 m<sup>3</sup> water, with no hydrocarbons, was recovered during swab testing. As such, the OGC is satisfied there is no economic hydrocarbon potential in the Debolt formation of the subject well.

An injectivity test, (approved May 4, 2009), was conducted July 9, 2009. The total of 1037.5 m<sup>3</sup> of water was injected in 29 hours. The test demonstrated the well is capable of taking fluid at 35 to 40 m<sup>3</sup>/hr with a wellhead pressure of -65 to -70 kPag vacuum. With a positive wellhead pressure of 20 kPag, the well accepted fluid at 80 m<sup>3</sup>/hr. A scale inhibition program has been established to prevent any potential fluid compatibility issues.

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 and no objections were received.

Attached is Approval 09-02-009 for the application, granted under Part 8, Division 3, Section 94 of the *Drilling and Production Regulation*.

Should you have any questions, please contact the undersigned at (250) 419-4421 or Kelly Okuszko, at (250) 419-4433.

Sincerely,



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

Attachment

**APPROVAL 09-02-009**

**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 Devon Canada Corporation (Devon) for Salt Water Disposal in the Komie area Debolt formation in the well DEVON ARL KOMIE d-A090-G/094-O-08 (WA# 24381).

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 Devon to the Commission dated March 18, 2009 and related submissions.*

1. The 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.



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

DATED AT the City of Victoria, in the Province of British Columbia, this 11<sup>th</sup> day of August 2009.