

July 4, 2017

7750-4800-32640-02

Christine Oliver P.Eng.
Exploitation Engineer BC South
Canadian Natural Resources Ltd.
2500, 855 – 2nd Street SW
Calgary, Alberta T2P 4J8

Dear Ms. Oliver,

**RE: EXTENDED INJECTIVITY TEST
CNRL SEPTIMUS 15-34-81-19 W6M; WA# 19411
SEPTIMUS FIELD – HALFWAY FORMATION**

Commission staff have reviewed the email from Canadian Natural Resources Ltd., dated June 29th, 2017, and subsequent communications, requesting an extended injectivity test of up to 3,000 m³ into the Halfway formation of the subject well.

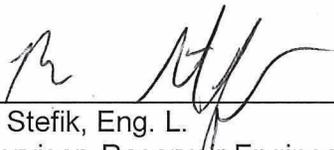
The subject well is completed in the depleted Septimus field Halfway “A” gas pool. Continued work on the well necessitates an extended test to verify the viability for disposal operation.

Attached please find **Order 17-02-010**, designating an area in the Septimus field, Halfway formation, as a Special Project under section 75 of the Oil and Gas Activities Act, for the temporary operation and use of a storage reservoir for the injection of produced water. This authorization does not warrant that a future disposal approval will be issued.

Additional general information regarding disposal wells is available on the Commission’s website at <http://www.bcogc.ca/industry-zone/documentation/Subsurface-Disposal>.

Should you have any questions, please contact Michelle Harding at (250) 419-4493 or Ron Stefik at (250) 419-4430.

Sincerely,



Ron Stefik, Eng. L.
Supervisor, Reservoir Engineering
Oil and Gas Commission

Attachment



IN THE MATTER of an email request from Canadian Natural Resources Limited to the Oil and Gas Commission (Commission), dated June 29th, 2017 for an extended injectivity test:

ORDER 17-02-010

- 1 Under Section 75(1)(d) of the *Oil and Gas Activities Act*, the Commission designates the temporary operation and use of a storage reservoir for the injection of fresh water or produced water, including flowback from fracturing operations, in the Septimus field – Halfway formation as a special project in the following area:

DLS Twp 81 Rge 19 W6M Section 34 – Lsds 9, 10, 15 and 16

- 2 Under section 75(2) of the *Oil and Gas Activities Act*, the special project designation in this Order is subject to the following conditions. The Permit Holder shall:
 - a) Inject water into the well CNRL Septimus 15-34-81-19; WA# 19411 Halfway formation, perms 1675.5 – 1678.5 mKB MD
 - b) If the fluid injected is not fresh water, inject only through tubing with a packer set as near as is practical above the injection interval.
 - c) The total volume of injected water must not exceed 3,000 m³.



Ron Stefik, Eng. L.
Supervisor, Reservoir Engineering
Oil and Gas Commission

DATED AT the City of Victoria, in the Province of British Columbia, this 4th day of July, 2017.