

April 13, 2017

8130-2800-32640-02

Leslie Zilm
Environmental and Regulatory Team Lead, Groundbirch
Shell Canada Limited
400 – 4th Avenue SW.
Calgary, Alberta T2P 3H7

Dear Ms Zilm,

**RE: EXTENDED INJECTIVITY TEST
SHELL ET AL SUNSET A1-17-80-18 W6M; WA# 30512
SUNSET PRAIRIE FIELD – CADOMIN FORMATION**

Commission staff have reviewed the email from Shell Canada Limited, dated March 31, 2017, requesting an extended injectivity test of up to 1,000 m³ into the Cadomin formation of the subject well.

Shell plans to perform a DFIT and hydraulic fracture on the Cadomin, followed by the extended injectivity test. A SCVF test must be performed on the well following the hydraulic fracture.

Attached please find **Order 17-02-003**, designating an area in the Sunset Prairie field, Cadomin 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 Shell Canada Limited to the Oil and Gas Commission (Commission) dated March 31st, 2017 for an extended injectivity test:

ORDER 17-02-003

- 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 Sunset Prairie field – Cadomin formation as a special project in the following area:

DLS Twp 80 Rge 18 W6M Section 17 – Lsds 1, 2, 7 and 8

- 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 Shell et al Saturn A1-17-80-18; WA# 30512 Cadomin formation, perms 1413.5 – 1440 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 1,000 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 13th day of April, 2017.