

December 9, 2016

7745-2600/2800-32640-02

Chad Grywacheski  
Regulatory Specialist  
Shell Canada Limited  
400 – 4th Avenue SW.  
Calgary, Alberta T2P 3H7

Dear Mr. Grywacheski,

**RE: EXTENDED INJECTIVITY TEST  
SHELL SATURN 10-36-80-19 W6M; WA# 12227  
SATURN FIELD – CADOMIN & BLUESKY FORMATIONS**

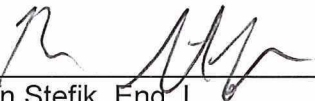
Commission staff have reviewed the email from Shell Canada Ltd, dated November 29<sup>th</sup>, 2016, requesting an extended injectivity test of up to 1,000 m<sup>3</sup> each into the Cadomin and Bluesky formations of the subject well.

Attached please find **Order 16-02-008**, designating an area in the Saturn field, Cadomin and Bluesky formations, 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

Attachments



IN THE MATTER of an email request from Shell Canada Ltd. to the Oil and Gas Commission (Commission) dated November 29<sup>th</sup>, 2016 for an extended injectivity test:

**ORDER 16-02-008**

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 produced water, including flowback from fracturing operations, in the Saturn field – Cadomin and Bluesky formations as a special project in the following area:

DLS Twp 80 Rge 19 W6M Section 36 – 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 produced water into the well Shell Saturn 10-36-80-19; WA# 12227 Cadomin formation, 1273.8 – 1325.6 mKB and Bluesky formation, 1095.0 – 1132.0 mKB
- b) Inject only through tubing with a packer set as near as is practical above the injection interval.
- c) The total volume of injected produced water into each zone must not exceed 1,000 m<sup>3</sup>.

A handwritten signature in black ink, appearing to read 'Ron Stefik', written over a horizontal line.

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

DATED AT the City of Victoria, in the Province of British Columbia, this 9<sup>th</sup> day of December, 2016.