



December 23, 2019

9045-7400-32640-02

Gemma Syme
Lead, Regulatory Ops & Reporting
Encana Corporation
P.O. Box 2850, 500 Centre St SE
Calgary, AB, T2P 2S5

Dear Ms. Syme:

**RE: PRODUCED WATER DISPOSAL SPECIAL PROJECT APPROVAL, AMENDMENT #2
PRESSURE TESTING EXEMPTION
ECA KIWIGANA b-14-D/94-O-7 (WA# 25862)
HORN RIVER FIELD – DEBOLT FORMATION**

BC Oil and Gas Commission (Commission) staff have reviewed the request from Encana Corporation (Encana), dated December 19th, 2019, requesting deferral of the required 2019 reservoir pressure test for ECA Kiwigana b-14-D/94-O-7 (WA# 25862) until temporary disposal can be established at ECA Kiwigana b-95-L/94-O-2 (WA# 27905). Temporary disposal at ECA Kiwigana b-95-L/94-O-2 (WA# 27905) will facilitate the shut-in of the subject well, required to conduct a static gradient.

Approval for disposal of produced water, Order 11-02-005, was issued for the subject well, Debolt formation, on April 5, 2011. Disposal operations commenced in June 2012 and a cumulative disposal volume of 761,765 m³ has been injected into the well. Order 11-02-005 Amendment #2, condition 2h) requires that an annual reservoir pressure test be conducted using bottom hole recorders. The results of the most recent reservoir pressure test, dated December 15, 2018, calculate a pressure of 5,858 kPaa at 524 mKB.

Shut-in of the subject is expected prior to January 31, 2020; contingent upon recommencing disposal operations at ECA Kiwigana b-95-L/94-O-2 (WA# 27905). Encana must submit a reservoir pressure test to the Commission which confirms the reservoir pressure in ECA Kiwigana b-95-L/94-O-2 (WA# 27905) has fallen below the approved maximum formation pressure before any injection occurs. A static gradient was conducted and Encana anticipates the results will be available to the Commission the second week of January.

The requirement to conduct a reservoir pressure test in 2019 is hereby deferred for ECA Kiwigana b-14-D/94-O-7 (WA# 27905). A reservoir pressure test must be conducted on the subject well, using downhole recorders, **no later than February 15, 2020**. The reservoir pressure test must be submitted to the Commission within 60 days of the end of the test. The Commission will consider a request for further deferral of the required testing if disposal cannot recommence at ECA Kiwigana b-95-L/94-O-2 in January.

Should you have any questions, please contact Kathryn Archibald at (250) 419-4406 or the undersigned at (250) 419-4430.

Sincerely,

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

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