

June 21, 2024

7750-2885-32640-60

Stephen Penner, P.L.Eng.
Canadian Natural Resources Limited
2500, 855-2nd St SW
Calgary, AB
T2P 4J8

Dear Mr. Penner:

**RE: OBSERVATION WELL TESTING AMENDMENT
CNRL SEPTIMUS 13-9-81-18 (WA# 25459)
SEPTIMUS FIELD – CADOMIN-NIKANASSIN FORMATION**

The BC Energy Regulator (BCER) has reviewed a request from Canadian Natural Resources Limited (CNRL) dated June 10, 2024, seeking an amendment to the observation well approval for the subject well.

The Drilling and Production Regulation Part 1 defines an observation well as “a well or a portion of a well designated as an observation well under section 2 (7)”.

- 2 (7) An official may designate a well as an observation well if
- a) the well is being used to monitor reservoir pressures or to obtain other formation information, and
 - b) the well is not used to produce from, or inject or dispose of fluids into, a formation being monitored.

The subject well was drilled in 2009 and was completed in the Halfway formation for disposal in 2014. The well disposed of 16,800 m³ of water from 2014 to 2017 and was suspended in 2020. CNRL proposes to zonally abandon the Halfway formation and perforate the Cadomin-Nikanassin zone to observe the reservoir pressure in the regionally extensive disposal zone. CNRL will install permanent downhole gauges to continuously monitor the reservoir pressure.

Approval of observation status is granted for CNRL Septimus 13-9-81-18 (WA# 25459), for the Septimus field, Cadomin-Nikanassin formation, with the following requirements:

- Continuously record the reservoir pressure in this well and submit one reservoir pressure report annually.
- submit pressure test as TRGS submission type including a PDF and CSV raw data file.

Should you have any questions, please contact Terence Tkatchuk at (250) 980-6083 or the undersigned at (250) 419-4482.

Sincerely,



Michelle Gaucher, P.Eng.
Senior Reservoir Engineer
BC Energy Regulator