

January 21, 2020

0200-2700-32640-60

Lawrence Ndoh, P. Eng
Facilities Engineer
Aitken Creek Gas Storage ULC
11304 – 100th Avenue
Ft St John, British Columbia V1J 1Z9

Dear Mr. Ndoh,

**RE: OBSERVATION WELL DESIGNATION APPROVAL
AITKEN GAS AITKEN d-43-L/94-A-13 (WA# 1173)
AITKEN CREEK– GETHING 'A'**

BC Oil and Gas Commission (Commission) staff have reviewed the January 17, 2020, application from Aitken Creek Gas Storage ULC (ACGS) seeking observation well designation for Aitken Gas Aitken d-43-L/94-A-13 (WA# 1173) in the Aitken Creek field, Gething 'A' pool

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 1962 and the Gething formation was completed for the purpose of oil production. The Aitken Creek, Gething 'A' pool was approved for storage of natural gas in June 1978. The subject well has been used for both production and injection of natural gas. The last reported production from the subject well was February 2018 and the last reported injection was June 2008. ACGS is requesting observation well designation for the subject well to monitor reservoir pressure in the pool during injection and withdrawal cycles.

ACGS anticipates an increase in the volume of gas moving in and out of the pool once connected to the NOVA Gas Transmission Ltd – North Montney Mainline. Regular pressure measurements will monitor the pool for any communication from offset hydraulic fracture operations occurring in the Montney play and will ensure protection of the pool.

Approval of observation status is granted for Aitken Gas Aitken d-43-L/94-A-13 (WA# 1173), for the Gething formation, with the following requirements:

- conduct two reservoir pressure tests annually and submit the results to the Commission, and
- conduct an annual surface casing vent flow rate test and submit the results to the Commission.

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

Sincerely,



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