



August 20, 2019

6480/6220-4100/4150-55140-13

Don Spencer  
Canadian Natural Resources Limited  
2100, 855 – 2<sup>nd</sup> Street SW  
Calgary, AB T2P 4J8

Dear Mr. Spencer:

**RE: TEMPORARY NATURAL GAS INJECTION APPROVAL  
SECTION 75, OIL AND GAS ACTIVITIES ACT  
CNRL OJAY AND MURRAY FIELDS**

Commission staff have reviewed the application, dated July 31, 2019 requesting approval for temporary injection of natural gas into 5 wells.

Well Name	WA	Field	Pool
CNRL et al Red Deer d-41-E/93-I-09	15915	Ojay	Baldonnel "B"
CNRL HZ Ojay c-9-K/93-I-09	21029	Ojay	Baldonnel "A"
CNRL et al Murray c-A43-I/93-I-14	11275	Murray	Baldonnel/Upper Charlie Lake "A"
CNRL et al HZ Murray c-43-I/93-I-14	9914	Murray	Baldonnel "E"
CNRL et al Murray c-B43-I/93-I-14	13832	Murray	Baldonnel "E"

The injected gas stream will originate from the Pine River Gas Plant gathering system. This plant is scheduled for a 46-day turnaround; line pack gas would normally be flared. It is estimated that 1,830 e<sup>3</sup>m<sup>3</sup> of gas will be conserved, over a 4 day injection period. In June 2014 a similar temporary re-injection approval was granted to Canadian Natural Resources Limited for the Pine River plant turnaround. The depressurization carried out in 2014 took 4 days. For the 2019 turnaround, CNRL has identified 5 potential injection locations expecting to complete depressurization within 4 days. CNRL HZ Ojay c-9-K/93-I-09 (WA 21029) and CNRL et al Murray c-B43-I/93-I-14 (WA 13832) will act as the primary injectors, and the remaining three will act as backup injectors.

Attached, please find Order 19-13-001, granted under Section 75 of the Oil and Gas Activities Act.

Should you have any questions, please contact Logan Gray at (250) 419-4465 or the undersigned at (250) 419-4430.

Sincerely,

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

Attachment

IN THE MATTER of an application from Canadian Natural Resources Ltd. to the Commission dated July 31, 2019 for a temporary holding of natural gas project.

**ORDER 19-13-001**

- 1 Under Section 75(1)(a) of the *Oil and Gas Activities Act*, the Ojay - Baldonnel "A" and "B" pools, Murray - Baldonnel "E", and Murray - Baldonnel/Upper Charlie Lake "A" is designated as a special project for temporary holding of natural gas within the following area;

93-I-14 Block I - Units 32, 33, 42, 43, 52 - 55, 62 - 65

93-I-09 Block E - Units 31, 41

Block F - Units 40, 50

Block K - Units 18, 19, 28, 29

- 2 Under section 75(2) of the *Oil and Gas Activities Act*, I specify the following:

- a) Natural gas may be injected and re-produced through the wells CNRL et al Red Deer d-41-E/93-I-09 (WA 15915), CNRL HZ Ojay c-9-K/93-I-09 (WA 21029), CNRL et al Murray c-A43-I/93-I-14 (WA 11275), CNRL et al HZ Murray c-43-I/93-I-14 (WA 9914), and CNRL et al Murray c-B43-I/93-I-14 (WA 13832).
- b) Metering of the injected gas is not required.
- c) The gas injection period shall not exceed 7 days, within the months of September 2019 and October 2019.
- d) The injection pressure at the surface must not exceed 7,000 kPa.
- e) This project approval may be subject to review and modification, if deemed appropriate.
- f) This operation is subject to any other related approvals that may be issued by the Oil and Gas Commission or the Ministry of Finance.

  
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Ron Stefik, EngL  
Supervisor, Reservoir Engineering  
Oil and Gas Commission

DATED AT the City of Victoria, in the Province of British Columbia, this 20<sup>th</sup> day of August, 2019.