



NWT OFFICE OF THE REGULATOR OF OIL AND GAS OPERATIONS

Office of the Regulator of Oil and Gas Operations

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Sherri Evers
Vice President
Imperial Oil Limited
505 QUARRY PARK BLVD
CALGARY AB T2C 5N1

January 28, 2023

Dear Sherri Evers:

Decision: Variation 3 to ACW-2021-IMP-B-48-WID0448

On January 27, 2023, the Office of the Regulator of Oil and Gas Operations (OROGO) received an application from Imperial Oil Limited (Imperial) to vary ACW-2021-IMP-B-48-WID0448 variation 1 for the abandonment of the Jean Marie B-48 well (WID0448). Imperial is requesting a change to the approved wellbore abandonment program.

The Regulator, designated under section 121 of the *Oil and Gas Operations Act* (OGOA), may issue an Operations Authorization under section 10(1) of that act, subject to any Well Approvals that the Regulator may require under section 10(4) of OGOA. The Regulator may vary the terms of an Operations Authorization under section 10(6) of OGOA, including the terms of a Well Approval. On August 2, 2020, the Commissioner in Executive Council designated me as the Regulator under section 121 of OGOA.

I have reviewed Imperial's description of its proposed activity and find that the application demonstrates that this activity will be conducted safely, without waste and without pollution, in compliance with the *Oil and Gas Drilling and Production Regulations*. Therefore, Imperial's application for a variation is approved, subject to the terms contained in the attached Well Approval.

Sincerely,

Pauline de Jong
Regulator

Encl. ACW-2022-IMP-B-48-WID0448 variation 3

c. Esther Choi, Imperial
Carsten Elsborg, Imperial

WELL APPROVAL

Subject to the terms listed below, well approval **ACW-2021-IMP-B-48-WID0448 variation #3** is granted under Section 10 of the *Oil and Gas Operations Act* and Part 2 of the *Oil and Gas Drilling and Production Regulations* to

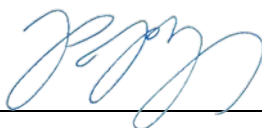
Company Name	Operating Licence #
Imperial Oil Limited	NWT-OL-2014-011
Responsible Officer	Operations Authorization #
Sherri Evers, Vice President	OA-2021-004-IMP

for

Well Name and Well ID#	
Jean Marie B-48 (WID0448)	
Type of Work	Region
Abandonment	Dehcho

This approval, originally issued on November 25, 2021, has been varied by the Regulator or its delegate under Section 10(6) of the *Oil and Gas Operations Act*.

This approval expires on **November 1, 2023**.

Issued at	Issued on
Yellowknife, Northwest Territories	January 28, 2023
Issued by	Signature
Pauline de Jong, Regulator	

Additional Terms

1. Imperial Oil Limited shall cause the approved work and activities to be conducted in accordance with the requirements of the *Oil and Gas Operations Act* and the *Oil and Gas Drilling and Production Regulations*, as well as any other acts or legislation as may apply.
2. Imperial Oil Limited shall cause the approved work and activities to be conducted in accordance with any guidelines and/or interpretation notes issued by the Regulator under section 18 of the *Oil and Gas Operations Act*.
3. Imperial Oil Limited shall cause the approved work and activities to be conducted in accordance with the specifications, standards and other information referred to in its application dated August 3, 2021, request for variation dated January 27, 2023, and other submissions.
4. Imperial Oil Limited shall request approval from the Regulator prior to undertaking any change to or deviation from the authorized work or activities, including but not limited to key personnel, the safety plan, the environmental protection plan and contingency plans.
5. Pursuant to section 67 of the *Oil and Gas Drilling and Production Regulations*, Imperial Oil Limited is approved to conduct controlled venting and/or flaring as part of well kill operations to a maximum daily flow rate of 2.1×10^3 m³/day for a maximum daily duration of 4.0 hours per day. Imperial Oil Limited shall include the volume and composition of any amount of flared and/or vented gas in its daily report to OROGO. Flaring and/or venting of any volume, daily volume rate and/or duration greater than the approved maximum daily flow shall be reported to OROGO as an incident under section 75 of the *Oil and Gas Drilling and Production Regulations*.
6. Imperial Oil Limited shall notify OROGO or and demonstrate, to the satisfaction of the Regulator, the location of the cement top prior to completion of wellbore and surface abandonment. Notification must include the results and interpretation of the completed "Caliper and Segmented Bond Log" as outlined in step 13 of the Wellbore Abandonment Program.
7. Imperial Oil Limited shall provide all staff and contractors for this program with its Emergency Response Plan and the OROGO 24-hour Incident Reporting phone number (867-445-8551) prior to commencing any work or activity.
8. Imperial Oil Limited shall notify OROGO at least 10 days prior to the start of approved operations.
9. Imperial Oil Limited shall submit to OROGO certificates and inspection documents for any service rig, well control and associated equipment (including boilers) at least 10 days prior to the rig commencing work.
10. Imperial Oil Limited shall submit to OROGO an updated operator contact list for this program prior to any work or activity.

11. Imperial Oil Limited shall submit to OROGO a Daily Report outlining all activities undertaken for each day of the operation under this well approval no later than 10:00 a.m. the following day.
12. Imperial Oil Limited shall submit to OROGO a completed Change of Well Status form 30 days after the service rig release date or when the operation has been successfully completed.
13. Imperial Oil Limited shall complete post-abandonment gas migration (GM) testing between July and September 2023 and between July and September 2024, as described in section 4A of the *Well Suspension Guidelines and Interpretation Notes*, to determine if the repair of the GM was effective. Imperial Oil Limited shall notify OROGO at least 10 days prior to conducting GM testing and submit a report of the GM testing results to the Regulator within 30 days of conducting the testing. Should analysis of the methane be required to determine the thermogenic source, Imperial Oil Limited must notify OROGO with an anticipated timeframe to submit the analytical results.