



# CUT & CAP REPORT

OPERATOR:	Imperial Oil Ltd.
WELL ID:	0448
WELL NAME:	Cdn-Sup KMG Jean Marie B-48
WELL LOCATION:	61.452693, -120.640016 NAD 83
WELL TYPE:	Exploratory
PROJECT:	JMR B48 Re-abandonment

PROVINCE/TERRITORY:	Northwest Territories
CUT & CAP COMPANY:	PR Contracting
CUT & CAP SUP.:	Colin Bernier
CONTACT NO.:	(780) 815-1107
CONSTRUCTION SUP.:	Corey White
CONTACT NO.:	(780) 623-0542

## ABANDONMENT INFORMATION

Date of Surface Casing Vent Flow Test:	N/A
Date of Static Fluid Level Test:	3-Feb-2023
Date of Gas Migration Test:	N/A
Date of Surface Abandonment:	3-Feb-2023

Depth of fluid inside casing:	5.0	m
Depth of cement inside casing:	5.0	m
Depth of casing cut (BGL):	1.2	m

Mill cert # of plate on casing stub:	Steel cap tack welded to allow well to vent. Refer to Drilling Reports
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LEL reading inside casing:	0.00	ppm
LEL In Cellar	0.00	ppm

Serial Number of LEL Tester:	IECEXDEK17.0050X
Date LEL Monitor bump tested:	3-Feb-2023

## COMMENTS

Inspected the Cellar area, the Surface Casing Annulus and the 5 1/2" Abandonment String Annulus and confirmed good cement at surface. The 139.7mm abandonment casing was pressure tested to 7000 KPA for 10 minutes prior to cut and cap on Feb 2, 2023. Performed gas testing in cellar, confirmed Zero gas emissions. Sucked out casing to 5m below ground level. Casing was cut 1.2 meters below ground level. A plate was welded onto the top of the well to act as a cap. The cap was not welded all the way around the casing as the well must be able to vent. Cellar was backfilled with a mixture of sand and original cellar material. Signage installed per the OROGO Well Suspension and Abandonment Guidelines and Interpretation Notes. Well coordinates are: 61.452693, -120.640016, Geodetic Datum - NAD83. Coordinates were taken while surveying on December 2, 2022. Survey and OROGO approval to proceed with surface abandonment is attached.

## PICTURES







CONSTRUCTION SUPERVISOR DIGITAL  
SIGNATURE:



## Jayden Wiancko

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**From:** Mike Martin <Mike\_Martin@gov.nt.ca>  
**Sent:** February 2, 2023 5:20 PM  
**To:** Carsten Elsborg; DST\_JUS\_OROGO  
**Cc:** Choi, Esther  
**Subject:** RE: ACW-2021-IMP-B-48-WID0448 - Cement Top and SBT Log

**External Email - Think Before You Click**

Good afternoon Carsten.

OROGO has no concerns with the CBL or the interpretations provided for the Jean Marie B-48 (WID 0448) well.

Imperial may continue with their abandonment program as approved.

Mársı | Kinanāskomitin | Thank you | Merci | Hqı' | Quana | Qujannamiik | Quyanainni | Máhsı | Máhsı | Mahsi

Mr. Michael Martin

Chief Safety Officer | délégué à la sécurité  
Chief Conservation Officer | agent du contrôle de l'exploitation

Senior Advisor, Technical (Operations) | Conseiller technique principal (exploitation)

Office of the Regulator of Oil and Gas Operations | Bureau de l'organisme de réglementation des opérations pétrolières et gazières  
Government of the Northwest Territories | Gouvernement des Territoires du Nord-Ouest

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NWT-NU Spill Line: 867-920-8130  
OROGO Incident Reporting Line | Pour signaler un incident: 867-445-8551

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**From:** Elsborg, Carsten C <carsten.c.elsborg@exxonmobil.com>  
**Sent:** February 2, 2023 4:18 PM  
**To:** DST\_JUS\_OROGO <OROGO@gov.nt.ca>  
**Cc:** Choi, Esther <esther.choi@esso.ca>  
**Subject:** ACW-2021-IMP-B-48-WID0448 - Cement Top and SBT Log

**EXTERNAL:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender's name and email address and know the content is safe.

To Whom it May Concern;

IOL has completed the cement bond log (SBT) in the 139.7 mm casing as per step 29 of the abandonment program. The casing was cemented from 514m to surface with 1550 kg/m<sup>3</sup> CemFit slurry and plug bumped @ 00:14 hrs on February 1, 2023. Held pressure for 10 minutes, bled back 50 liters and floats holding. Full density cement returns to surface (5.0 m<sup>3</sup>). Waited on cement for ~36 hours prior running bond log. The SBT log was run from 445.8 m to surface.

Interpretation:

- Cement to surface – confirmed during cement job and re-confirmed with SBT log
- Overall good bond (logged from 445.8m to surface)
  - Attenuation curves and wave form indicate 360 cement coverage around the casing
  - Cement Map shows good bond from 445.8m to 175m, some patchy bond from 175m to 160m and good bond from 160m to surface

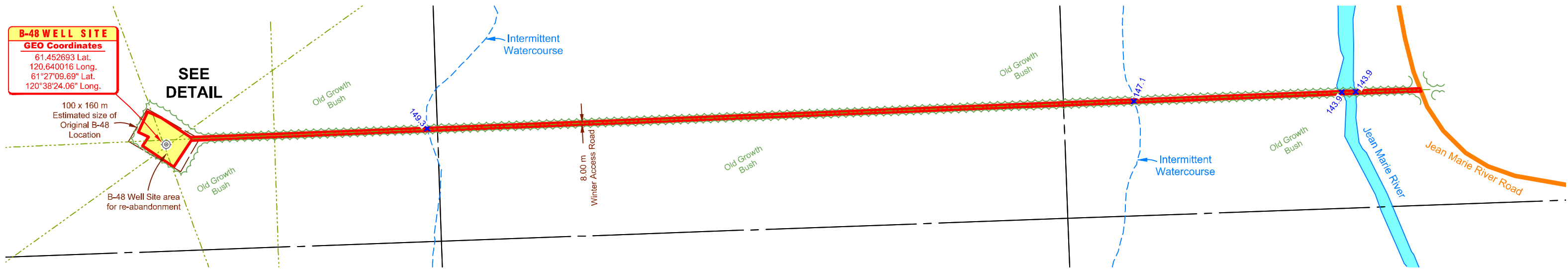
Per consultation with Baker Hughes, there is no benefit in waiting on cement to conduct another bond log, since the current bond log shows good bond.

IOL recommends to continue with the casing pressure test and cut and cap operations based on the cement to surface and good bond log results.

Best Regards,

**Carsten C Elsborg**

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Calgary, Alberta T2C 5N1  
[carsten.c.elsborg@exxonmobil.com](mailto:carsten.c.elsborg@exxonmobil.com) Office 587-476-4872 Cell 403-703-9991

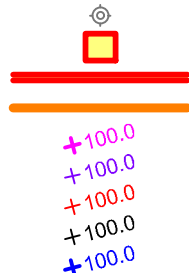


WELL & ACCESS  
DETAIL  
Scale - 1 : 10,000

WELL CENTER:  
GEO Co-ordinates { 61.452693 Latitude  
120.640016 Longitude } NAD 83 { UTM Co-ordinates  
6815488.39 N.  
625801.87 E.

LEGEND

Buried Casing:-----  
Well Site:-----  
Access Road:-----  
Jean Marie River Road:-----  
Re-abandonment Site Corner Elevations:-----  
Original Ground Elevations:-----  
Bottom of Cellar Elevations:-----  
Well Cap Plate Elevations:-----  
Watercourse Elevations:-----



NOTES

- Base Mapping provided by Natural Resources Canada (NRCAN).
- Coordinates and bearings are referred to UTM Zone 10 NAD83 (CSRS) Epoch 2002, and were derived from GNSS observations to NRCAN PPP.
- This plan represents the best information available at the time of survey. GeoVerra and its employees take no responsibility for the location of any underground pipes, conduits, or facilities, whether shown on or omitted from this plan.

Alberta 1 Call: 1-800-242-3447

2	Revised Re-abandonment Site Boundary	TM - DC - CJ	Jan. 5, 2023
1	Added Corner Elevations and Watercourse Elevations	DC - CJ	Dec. 12, 2022
0	Issued	MG - DC - CJ	Dec. 8, 2022
NO.	REVISIONS	INITIALS	DATE



SKETCH

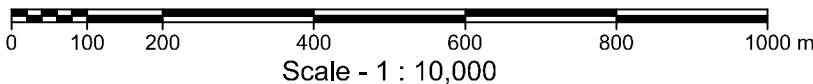
Showing

Elevations For Jean Marie B-48

NTS

095H07 & 095H10

Jean Marie River - Northwest Territories  
2023



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APE No.:	Client Project No.:	PO:
REV. 2	File : 22-04837-001-SK_R2	
	Job: 22-04837-001	