

Application for a New Well Base MRL

For confidential pools and undefined areas only



Submit within 30 days of initial oil production to O38.Applications@aer.ca.
Include any additional supporting evidence of the pool designation.

Well name _____ Unique well identifier

LE	LSD	SEC	TWP	RGE	M	ES	W				

Field _____ Pool _____ Formation _____

KB elevation _____ m Finished drilling date

yyy	mm	dd

 On production date

yyy	mm	dd

Initial production data	Date			Hours	Production method	Choke/strokes	Clean oil production	GOR (m³/m³)	Water cut (%)	Oil density (kg/m³)
	yyyy	mm	dd							

OPERATOR'S SUBMISSION

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	MD	TVD	MD	TVD
G/O interface <input type="checkbox"/> or porosity top <input type="checkbox"/> m(KB)	_____	_____	_____	_____
OW interface <input type="checkbox"/> or porosity base <input type="checkbox"/> m(KB)	_____	_____	_____	_____
Average well depthm	_____	_____	_____	_____
Perforated interval m(KB)	_____	_____	_____	_____
Lower cutoffs Ø / K..... % / mD	_____	_____	_____	_____
Areaha	_____	_____	_____	_____
Paym	_____	_____	_____	_____
Øfraction	_____	_____	_____	_____
1-Swfraction	_____	_____	_____	_____
1/Boifraction	_____	_____	_____	_____
N 10³ m³	_____	_____	_____	_____
Rifraction	_____	_____	_____	_____
RiN 10³ m³	_____	_____	_____	_____
PbkPa	_____	_____	_____	_____
Rsim³/m³	_____	_____	_____	_____
Pi _____ kPa Temperature _____ °C	_____	_____	_____	_____

Unique well identifier

LE	LSD	SEC	TWP	RGE	M	ES	W				

Date (yyyy-mm-dd) _____ Signed _____
 Contact name _____
 Company _____
 Contact phone number _____
 E-mail address _____

BWR _____ m³/d Base MRL _____ m³/d HWM _____

Base GOR _____ m³/m³ Oil density _____ kg/m³

Pool designation: _____

FOR AER USE ONLY Remarks: _____

per Alberta Energy Regulator

Date approved

yyy	mm	dd

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Terms:

BWR – basic well rate. For listing of the rates, see Schedule 5 of the *Oil and Gas Conservation Rules*.

GOR – calculation of base gas/oil ratio (GOR):

$$\text{Base GOR (m}^3\text{/m}^3\text{)} = R_{si} + 1.67 \frac{(P_b + 101.325)}{(T_f + 273.15)}$$

MRL – maximum rate limitation. MRL is the greater of the PRL or BWR. For more details, see *Directive 007-1: Allowables Handbook*.

NOWPP -new oil well production period (NOWPP) consists of the first four producing months commencing with the earlier of
a) first month in which new oil is produced (including test production), or
b) the on-production month as reported to the Petroleum Information Network (PETRINEX).

PRL – preliminary rate limitation. $\text{PRL (m}^3\text{/d)} = R_{iN} (10^3 \text{ m}^3) \times 0.296$