

# Routine Commingled Abandonment Regions

To be read in conjunction with *Directive 020: Well Abandonments*

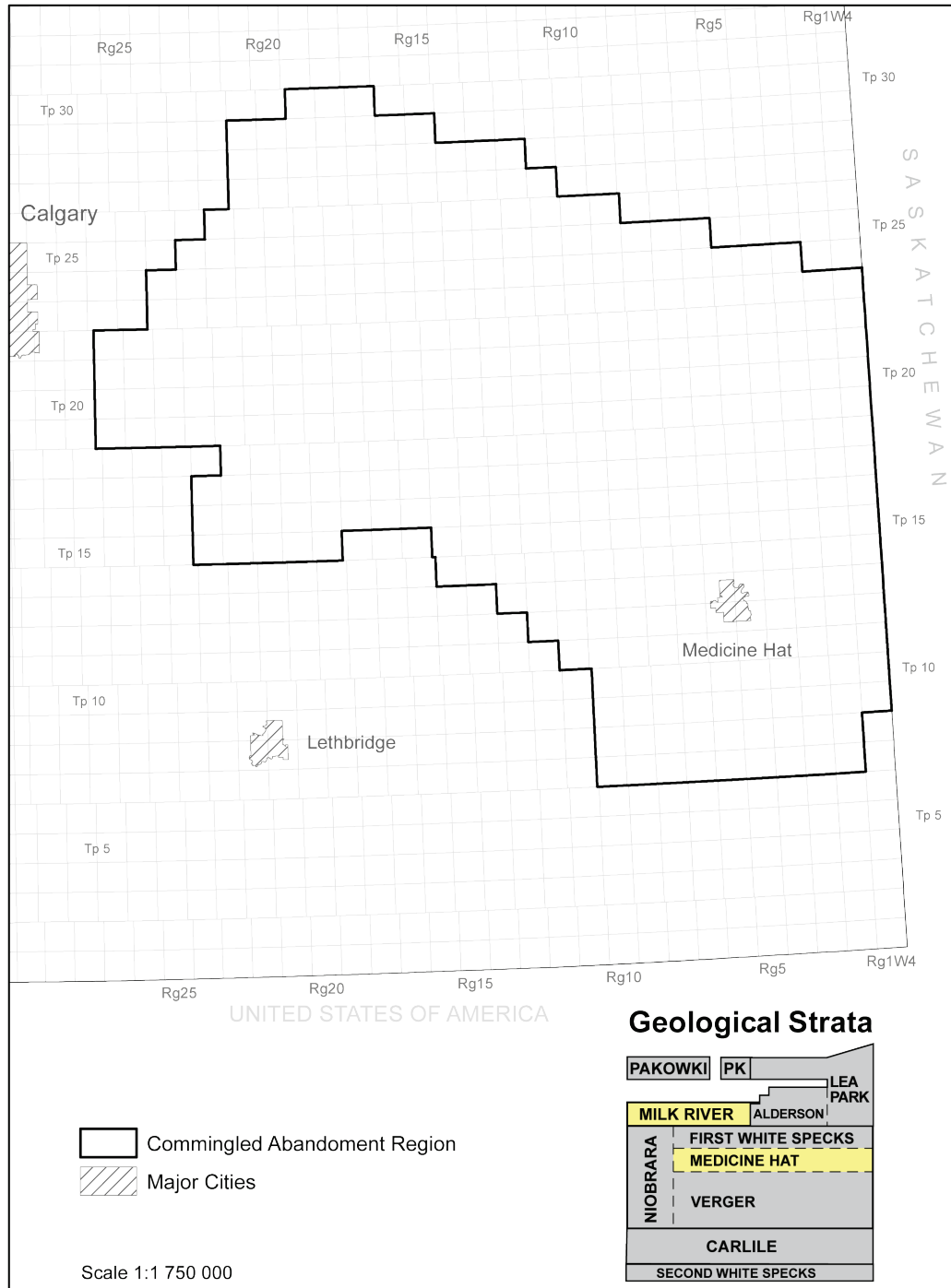
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This document identifies those pools that may be abandoned in a commingled manner (i.e., together with one or more other pools), as set out in section 5 of *Directive 020: Well Abandonments*. It provides the specific subsurface geological strata and corresponding geographic locations where unsegregated or commingled abandonment of completed pools in the well is permitted and may be done routinely, provided abandonment operations comply with the requirements of *Directive 020*.

To avoid having to drill out zonal abandonment plugs at a later time, before executing any wellbore abandonment, licensees are reminded to adhere to all requirements in *ID 2003-01* regarding source identification of surface casing vent flow, gas migration, casing failure, and *Directive 020* regarding remedial cementing of other porous and protected intervals.

Licensees may abandon the completed pools in the well in a commingled manner if the well falls within the “routine commingled abandonment region” and the perforated zones are between the top of the Alderson Member of the Lea Park Formation and the base of the Second White Specks Formation (figure 1). This includes completed zones in the

- Milk River Formation or Alderson Member of the Lea Park Formation,
- First White Specks Member of the Niobrara Formation,
- Medicine Hat Member of the Niobrara Formation, and
- Second White Specks Formation.



**Figure 1. Routine commingled abandonment region and associated subsurface geological strata in southeastern Alberta. The table of geological strata has been modified from the *Alberta Table of Formations* ([https://ags.aer.ca/publications/Table of Formations 2019.html](https://ags.aer.ca/publications/Table_of_Formations_2019.html)).**