Permo-Carboniferous Hydrogeology

Blueberry, Stoddart, Eagle - Northeast British Columbia  
Triassic, Permian

Summary

RPCL’s Permo-Carboniferous hydrogeology study provides an exploration oriented hydrodynamic and geologic evaluation of the Belloy, Taylor Flat, Kiskatinaw and Debolt Formations. Detailed models of the Blueberry Debolt oil field, the Boundary Belloy gas field and the Stoddart and Eagle Belloy oil fields are provided.

The study defines trap types, reservoir development and hydrocarbon emplacement mechanisms for each of these accumulations. The regional hydrogeology, in combination with a detailed understanding of existing fields, is then used to identify future exploration prospects. Many of the proposed prospects are located on crown land, with reserve potentials of up to 50 mm Bbls of oil and 60 bcf of gas.

Deliverables

- Isopach maps of the Belloy, Taylor Flat, Kiskatinaw, Golata and Upper Debolt Carbonate units
- Structure maps of the Belloy (two), Golata, Upper Debolt Top and Lower Debolt Marker units
- Nine structural cross-sections
- Hydraulic system/DST recovery maps for the Belloy/Taylor Flat, Kiskatinaw and Debolt units
- Potentiometric surface maps of the Belloy and Debolt units
- Regional hydrostructural cross-section of the Permo-Carboniferous, Triassic and Lower Cretaceous units
- Report with text and figures in both hard copy and digital format
- Tops, isopachs and DST database

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