

Montney North Evaluation

Hot, Hot, Hot!

Introduction

The Montney North play has been alight with M&A activity in 2020. Several larger operators have snapped up over 500,000 acres of Montney rights from smaller players, and have spent over \$1 billion doing it. In these economically challenged times, deals are driven by the value of the “sweet spots,” the best rocks that provide high deliverability and liquids. However, deal drivers and the long term economic viability of the play will depend on the rest of the rock. Canadian Discovery Ltd.’s (CDL) extensive Montney knowledge, data and mapping of the four developable benches, combined with our analysis of current completions designs, can be used to optimize productivity in the play.

Mitigating Risk

Lack of consistent and widespread direct data—such as production reporting—results in the need to incorporate indirect data for predictive purposes. CDL research integrates fluid dynamics data (pressure, temperature, chemistry) within a detailed stratigraphic and rock properties framework. Our analysis of factors controlling vapour-liquid equilibrium improves our ability to predict liquids distribution and productivity.

Providing the Tools Needed for Risk Assessment

The Montney North Evaluation package provides acquirers and their advisors with the tools to quickly make both risk and upside assessments. We couple the impact of heat flow through geothermal gradient and isotherm mapping with indirect data such as wet gas index and pressure-depth ratios to identify liquids domains and pressure drive. Our stratigraphic framework of four regionally correlatable horizons provides quick and consistent insights into all of the rock. Porosity, net reservoir and water saturation maps allow for the easy identification of any potential mobility issues. Relevant articles from the CDL Digest get interested parties quickly up to speed with current completion trends and the results in the zones being assessed.

Deliverables (Part 1)

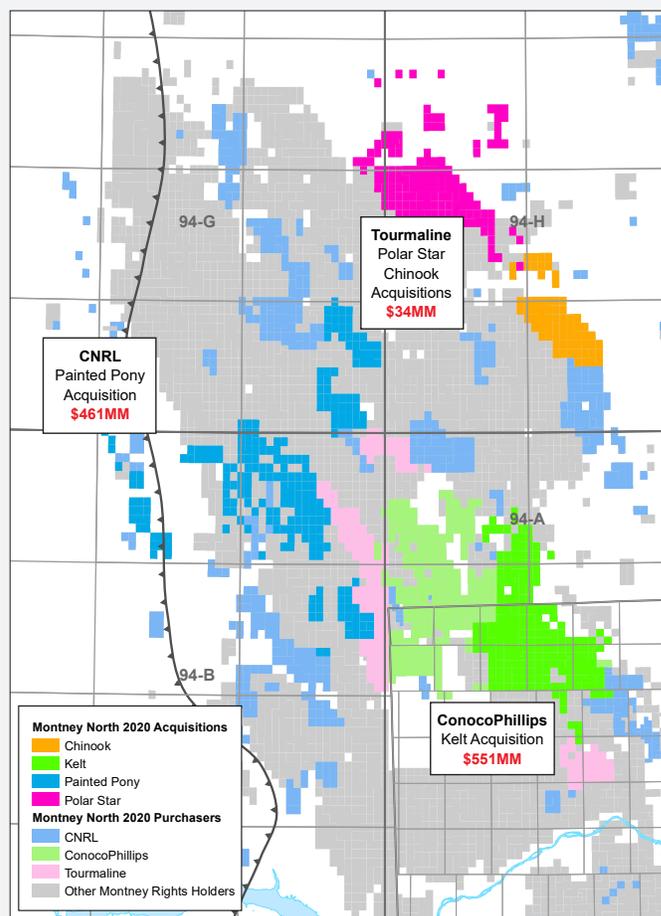
Geoscience and Engineering

- » Geothermal Gradient Map
- » Isotherm Maps
- » Pressure-Depth Ratio Maps
- » Wet Gas Index Maps
- » Net Reservoir, Porosity, and Water Saturation Maps
- » Petrophysical Answer Logs (8)
- » Regional Cross-Sections
- » Relevant CDL Digest Articles from 2018 to mid-2020
- » Shapefiles and Data available at additional cost

Contact Client Relations

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2020 Montney M&A Activity

M&A data from BMO; Land data supplied by geoLOGIC

Deliverables (Part 2)

Type Curves and Economics

- » Type Curves by Play Area
- » Benchmarking Analysis on Operators and Target Horizons
- » Half-Cycle Economics and Sensitivity Analysis
- » Ranking of Undeveloped Acreage by Risk/UpSide
- » Scenarios for Development Planning†

Purchase Details

Part 1: Geoscience and Engineering \$17,500^{††}
Part 2: Type Curves and Economics \$7,500^{††}

[†] bespoke solutions at additional cost
^{††} plus applicable taxes

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