

Canadian 
Discovery Ltd.
integrated geosciences





Building on over 25 years of experience and hundreds of domestic and international studies, Canadian Discovery Ltd. provides fully-integrated geoscience services to a diverse range of resource sector stakeholders.

Geoscience Consulting

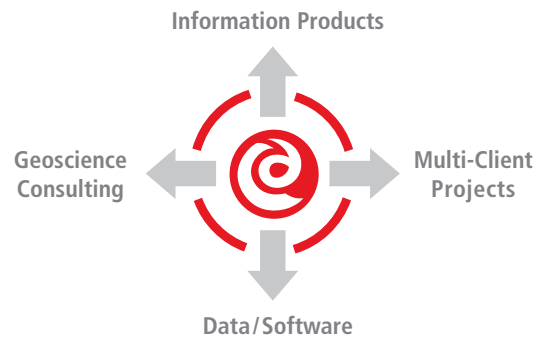
Canadian Discovery Ltd. (CDL) and partners have conducted worldwide reservoir to basin scale studies for juniors, financials and super-majors. Services include:

Geology and Geophysics

- Resource play expertise
- Exploration and development prospecting
- Identification and mapping of depositional facies
- Geophysical interpretation
- Reservoir characterization
- Log and core-based high resolution stratigraphy
- Structural geology

Hydrodynamics Expertise

- Unconventional gas resource identification
- Petroleum systems and migration modelling
- Charge, flushing and tilted oil/water contacts
- Fluid chemistry, geothermics and biodegradation
- Reservoir continuity and fluid contacts
- Pore pressure prediction



Integrated Geotechnical Work

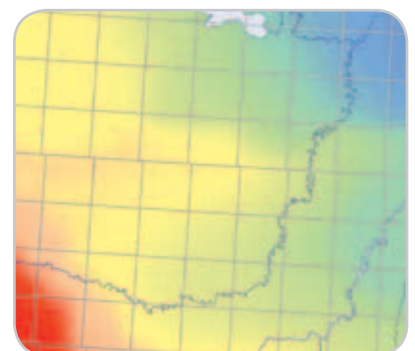
- Stress, geomechanical and tight rock analysis
- Petrology, sedimentology and petrophysics
- Geopressure analysis and prediction
- Aquifer characterization and CO₂ sequestration
- Hydrochemistry

Acquisitions and Divestitures

- Corporate/property evaluations
- Corporate divestiture management
- Upside assessment – conventional and unconventional

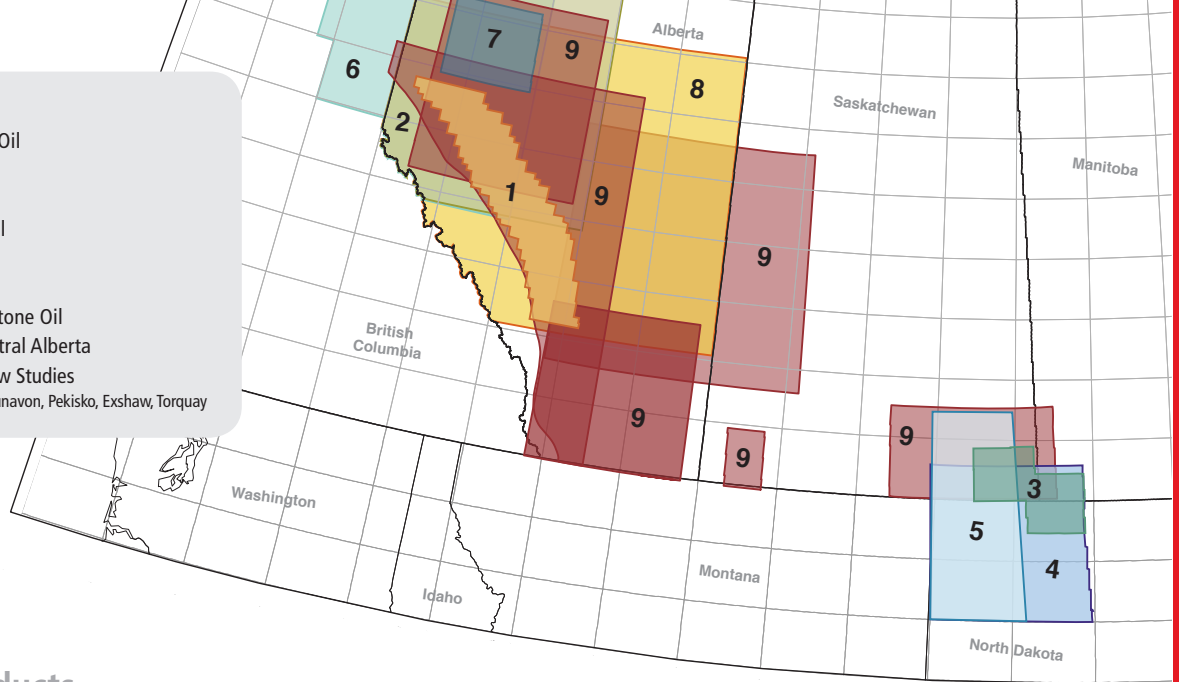


In 2005, Rakhit Petroleum Consulting Ltd., a recognized world leader in hydrodynamics, purchased and merged with Canadian Discovery Ltd.



FEATURED PROJECTS

1. Second White Specks Oil
2. Nordegg Tight Oil
3. Spearfish Oil
4. Sanish/ Three Forks Oil
5. Bakken Projects (x2)
6. Montney Projects (x3)
7. Beaverhill Lake Sandstone Oil
8. Stress Analysis of Central Alberta
9. Resource Play Overview Studies
Cardium, Viking, Lower Shaunavon, Pekisko, Exshaw, Torquay



Information Products

Through our research and reporting arm, CDL publishes hard copy, online and interactive digital products focused on oil and gas exploration and development activity, results and trends. Current products include:

- Canadian Discovery Digest (Western Canada)
- Current Exploration Overview (CEO) Maps
- UK Discovery Digest (UK Continental Shelf)
- Norway Discovery Digest (Norwegian, Barents, North seas)
- whatmapLive!

Data/Software

Our comprehensive in-house resources include GIS platforms, software development and data integration skills. Software, databases and basin-scale studies developed by CDL include:

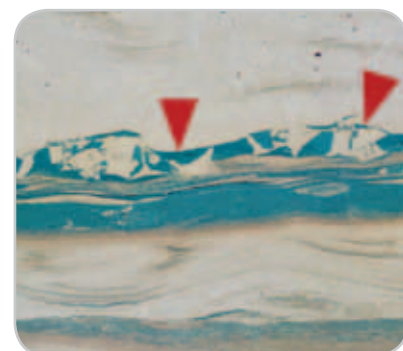
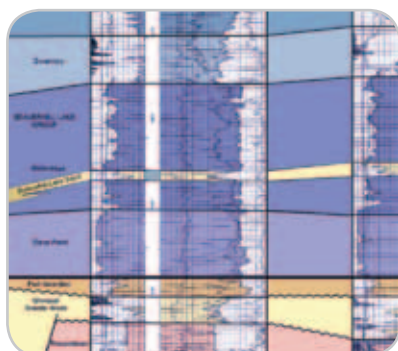
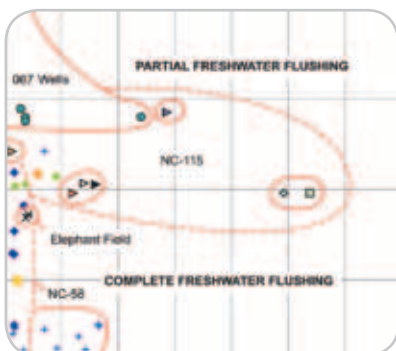
- Well Completions & Frac Database
- EDGE – screening software/play assessment tool
- HydroStation™ – pressure analysis software
- GeoFluids™ – oil, gas and water fluids database
- Dynamic Migration Model™ – software
- Production Induced Drawdown™ – software
- Atlases of Western Canada (x3)

Multi-Client Projects

As part of our commitment to provide a competitive advantage for our clients, CDL conducts ongoing research and development. Multi-client projects, launched from internally generated ideas, are conducted to investigate emerging opportunities, while also addressing a variety of challenges faced by exploration departments.

Much of our strength lies in our experience and ability to integrate geology, hydrodynamics, geochemistry, petrophysics, sedimentology, geophysics and engineering. Previous multi-client work has:

- Delivered unparalleled guidance in developing resource plays such as the Bakken, Nordegg, Torquay and Montney in Western Canada.
- Provided new play concepts in mature North American basins (i.e., for unconventional gas resources).
- Reduced exploration risks such as charge and flushing in relatively immature basins like the Oriente in Ecuador and the Murzuq in Libya.





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