



Geophysics for Geologists

Instructor: John L. J. Duhault, P.Geo., President of Starbird Enterprises

Post-Meeting Course – Virtual Short Course 3 Morning Sessions: Tuesday, September 21st - Wednesday, September 23rd, 2021

An introductory course for geologists on understanding the geophysical applications used by geoscientists in understanding the subsurface, mitigating risk, and increasing profitability in the energy industry.

Course Format:

This three-morning course follows the life cycle of an oil or gas property, from concept to booking reserves. Case histories are used to illustrate the geophysical tools that the asset team would apply to solve an oil field development problem at various points in the property's lifetime.

The course starts with an introduction to geophysical interpretation and exploration fundamentals. It then goes on to illustrate specific oil field operational problems and then provide an integrated geophysical tool to help solve that problem. The course will address issues such as:

- Putting the lease/pad in the right location
- Mitigating the risk of shallow drill hazards
- Geophysical applications to help to stay in the target zone
- Geophysical applications to help understand underperforming wells
- Geophysical applications to help understand effective completions
- Geophysical applications to manage induced seismicity and government protocols
- How to sustain the profitability of legacy oil fields.
- How to explore other zones while pursuing unconventional reservoirs on the same lands
- Geophysical applications to help address the geothermal potential on your company lands
- How to be effective in getting additional reserves booked for your company

Workflows will be used to add clarity and to simplify the applied geophysical processes.

The case histories will clearly illustrate where integrated geological, geophysical and engineering data are critical to the project's success.

The case histories will include unconventional, conventional, oil sands, and other oil and gas production settings.

Who Should Attend:

The course is ideal for geologists looking to understand the geophysical tools used in the energy business. It is also recommended for non-geoscientist Team Leaders or Management looking to understand the applied geophysics basics and to be more comfortable in asking the right questions or providing alternative solutions to their oil and gas field problems.



Maximum Registration: 20

Registration Rates: *(Rates do not include GST)*

- Early-bird CSEG-CSPG Member rate: \$600
- Early-bird non-member rates: \$800

Early Bird Ends: September 14th, 2021

After September 14th, 2021

- CSEG-CSPG Member rate: \$800
- non-member rates: \$1000

Registration Close: September 20th, 2021

CPD: 12 Hours

Registration includes: Downloadable PDF copy of course notes

Time: 8:00am – 12:00pm

Location: Online through Zoom

About the Instructor:

John L.J. Duhault, PGeo.

Mr. Duhault is an “Advisor Risk-Mitigator Explorer” Geoscientist who has over 40 years of industry experience including over 50,000 hours as a geoscience interpreter in Canada and internationally. He is passionate about teaching the business value of integrated geophysics through the “storytelling” of case histories and has presented papers in North America, Europe, and New Zealand. He has found significant reserves of oil and gas for senior exploration companies and numerous junior independents. He has founded and led two private junior oil and gas companies. Mr. Duhault is currently the Principal Consultant for Starbird Enterprises where he specializes in conventional exploration and unconventional resource-play seismic interpretation. Mr. Duhault is a Past President of the Canadian Society of Exploration Geophysicists (CSEG) and is currently the Vice-Chair for the Society of Exploration Geophysicists (SEG)



CSEG Course Cancellation Policy

CSEG reserves the right to cancel any course due to low registration.

If the CSEG cancels a course, registrants will be able to receive a full refund

Refunds up to September 7th will be subject to a 10% handling charge, with no refunds after September 7th, 2021.