



How Engineers Make Money Using Geophysics

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

Post-Meeting Course – Virtual Short Course 3 Morning Sessions: Tuesday, September 29 - Wednesday, October 1st, 2020

A course for Geoscientists and Engineers on mitigating risk and increasing profitability using integrated geophysical solutions in the oil and gas industry.

Course Format:

This three morning course follows the life cycle of an oil or gas property, from concept to abandonment, from the engineer's point of view. Case histories are used to illustrate the geophysical tools that the engineering group would apply to solve an oil field development problem at various points in the property's lifetime.

The course is designed to identify specific operational problems and provide an integrated geophysical tool to help solve that problem. The course will address issues such as:

- Mis-located leases
- Pads with high annual operating costs
- Wells with lost circulation, staying in-zone or getting stuck
- Difficulty in making the drill type curve
- Underperforming the production type curve
- Uncertainty in how effective your wells were completed
- Uncertainty on how many perf clusters/stages are contributing to the production
- How to sustain the profitability of legacy oil fields.
- How to be effective in getting additional reserves booked for your company

To ease the student into some of the concepts used in this course an introduction to geophysical interpretation fundamentals will start the course.

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

The case histories 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 Asset Teams: Geoscientists and Engineers. It is also recommended for Management and Team Leaders as the case histories give a qualitative learning experience without the need to understand all of the technical details.

Maximum Registration: 30

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



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

Early Bird Ends: September 7th, 2020

After September 7th, 2020

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

Registration Close: September 14th, 2020

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 Trainer-Mentor” 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 1st will be subject to a 10% handling charge, no refunds after September 1st.