



**Mr. Don LeBlanc, PEng** has an extensive background in petroleum engineering that includes reservoir engineering, production engineering, hydraulic fracturing, field development, reservoir management, formation evaluation, reservoir modelling, production modelling and reserves certification resulting from extensive independent and operating company experience in Canada, US and Internationally.

During his 45-year career he has lived in Indonesia, Denmark and the US and worked for/with super-majors, national oil companies, small independents, and consulting firms all over the world. He has worked on projects in the US, Canada, Indonesia, Australia, Croatia, North Sea (Denmark/Norway/UK), Russia, Egypt and the Beaufort Sea ranging from green (new) fields to brown (old) fields, from offshore to onshore fields and from conventional to unconventional and shale reservoirs.

Don has been working with unconventional and shale reservoirs (Monterey, Diatomite, Utica, Marcellus, Eagle Ford, Montney, Fredericks Brook, Barnett, Haynesville) for over 25 years which led to the development of PE Essentials – a tool to evaluate conventional and unconventional wells and reservoirs and to an SPE paper (SPE#144093) on hydraulic fracturing. Don developed the LeBlanc-Okouma Power Law (LOPL) decline curve model which was published in the March 2018 issue of World Oil. He also developed and published the Artificial Neural Network Oil Recovery Factor model in the March 2019 issue of World Oil.

Don has extensive experience with field development and rehabilitation including IOR/EOR and is very knowledgeable in the use of Eclipse, CMG, Exodus, BOAST, OPM, Reveal, IPM, IAM and numerous other reservoir and production simulators. He has extensive experience as Chief Reservoir/Production Engineer, as Reservoir Engineering Advisor and as Team Leader of Subsurface Teams.

Don's areas of expertise include:

- Field Development, Field Rehabilitation
- Asset economic evaluation (PHDWin, PE Essentials)
- Production Surveillance and Reservoir Management
- Classical Reservoir Engineering and Reservoir Modeling (Eclipse, etc)
- Production Engineering and Production Modeling (GAP, etc)
- HPHT, conventional, unconventional, shale fields
- Integrated Asset Models (IAM) - Coupling Reservoir to Production Models
- Artificial Lift / Hydraulic Fracture Stimulation Analysis & Modeling
- Annual Reserves Reporting / Reserves Certification
- Expert Witness (High Court of London)
- IOR / EOR / Field Rehabilitation
- Formation Evaluation / Petrophysics / Log Analysis
- Peer Review/Mentoring/Teaching (college and industry courses)

Don was awarded a Bachelor's degree (Magnis Cum) in Engineering-Physics in 1979 from Dalhousie University and is a registered Professional Engineer (Petroleum) in Alberta (#33990).