

RON THORNHILL

M.SC., P.GEOL.

SENIOR PROJECT GEOLOGIST

CONTACT INFORMATION

.....

+1.403.355.2528
rthornhill@alconsult.net

#600, 744 - 4th Avenue S.W.
Calgary, AB, Canada T2P 3T4

www.alconsult.net

Ron Thornhill is a Senior Project Geologist with more than 30 years of petroleum industry experience in all phases of the exploration-exploitation-development cycle. Ron has prepared regional stratigraphic studies, done detailed petrophysical work (log analysis, field productivity studies), generated exploration prospects, and assisted with reservoir simulations (including a study that combined miscible injection with a horizontal well). Ron's diverse work history includes heavy oil fireflood evaluations, regional computer mapping, and seismic definition of stratigraphic plays. Ron's experience includes international work with giant field evaluations. He has worked with the Alconsult International Ltd. and GEOSEIS Inc. group of companies since 2010.

Ron has the background and experience in performing detailed and creative stratigraphic correlation and geological model building work (facies interpretations, sedimentology) using log, core and petrophysical data. He has performed such in a variety of areas and plays in the Western Canada Basin as well as internationally in Libya and Mexico. Ron worked for two years in Mexico from 2003 to 2005 on a support assignment to PEMEX that included projects from Tampico to Ciudad del Carmen. He is particularly skilled at analyzing and mining a variety of digital data with a range of software tools and applications to add insights and to integrate geological, engineering and production data.

Ron holds an M.Sc. in Geology from the Louisiana State University in New Orleans and a B.Sc. (Hons.) from the University of Manitoba. Ron is a member of the Association of Professional Engineers and Geoscientists of Alberta (APEGA), the Canadian Society of Petroleum Geologists (CSPG), and the Houston Geological Society (HGS).

GEOFF G. MARTIN

B.SC., M.I.M.

SENIOR GEOSCIENTIST AND ENERGY CONSULTANT

CONTACT INFORMATION

.....

+1.403.270.7921 (work)
+1.403.861.5169 (cell)
geoffmartin@yahoo.com

#600, 744 - 4th Avenue S.W.
Calgary, AB, Canada T2P 3T4

www.alconsult.net

Geoff Martin is a “hands on” energy sector professional, trained in geology and geophysics, with varied experience in North America, Latin America, the Middle East and Australasia over the past 35 years. He is totally at ease in a competitive, fast-paced, technology driven environment and a multi-cultural world. He is a native English speaker with language proficiency in Mandarin Chinese, Spanish and French and formal studies in seven other languages. He has set up and run challenging technical projects, built business relationships, negotiated contracts and deals, and developed business opportunities. In his capacities he has been responsible with staff or team numbers of up to 75 people.

Mr. Martin is currently active as a consulting geophysicist working inside of PEMEX in Paraiso, Tabasco helping the G & G staff to develop ideas on the evolution and remaining potential of two offshore fields in the litoral area. He has interpreted seismic data onshore Western Canada, offshore Eastern Canada and the Canadian Arctic, onshore Australia, offshore Cote d'Ivoire, onshore China, Gulf of Suez, onshore Kyrgystan, onshore Libya, onshore and offshore Mexico, onshore Papua New Guinea, offshore Sudan, offshore Vietnam and two basins in Yemen.

Prior to consulting, Mr. Martin began his career in 1978 with a Canadian subsidiary of TOTAL Petroleum. This company was taken over by Petro-Canada and Mr. Martin worked there from 1980 until 1992 with an interval at Vamgas, a subsidiary of Woodside Petroleum in Melbourne, Australia (1983-1985). He had technical and supervisory responsibilities with both companies. He worked for 14 years as a geophysicist (1978-1992), and then was exposed to broad business experience.

Mr. Martin is an energy project specialist who uses his broad experience to work with clients to plan and work through to a project's end product. He has significant experience working with seismic data processors to improve the seismic data used for interpretation. He is an active listener with skills developed in areas of technology marketing, business development and as a VP of the data management section of a company.

Mr. Martin has a B.Sc. (Hons) in Geology (1978) from Memorial University of Newfoundland, a certificate in Business Management from the University of Calgary (1992) and a Master of International Management degree (Marketing-Finance-Trade 1995) from the American Graduate School of International Management (Thunderbird) in Phoenix, Arizona. He is a member of the CSEG.

MARIA JACOME

PH.D., P.GEO.

SENIOR GEOSCIENTIST

CONTACT INFORMATION

.....

+1.647.863.0511
jacome_maria@yahoo.com

#600, 744 - 4th Avenue S.W.
Calgary, AB, Canada T2P 3T4

www.alconsult.net

Maria Jacome is a senior interpretation geoscientist with a strong geological background and a demonstrated capability for top quality independent and collaborative G&G integrated analysis. In addition to Maria's technical project work, she has managed and supervised seismic interpretation projects to different clients in South America, Canada and Europe. On these projects her role included project leadership, geological and geophysical integration and modeling to generate oil/gas and mining exploration prospects, geological risk assessment and detection of overpressure gas accumulation for gas exploration and drilling operation. Results from these projects conducted to the world class gas discovery at the Perla field offshore Venezuela.

Maria has well developed technical and computer skills as well as an ability to learn new software applications and associated work flows quickly and efficiently. She has extensive knowledge of seismic quantitative interpretation tools and workflows including attribute analysis, seismic and well log cross-plotting and AvO theory. Maria has experience with relevant industry software including Unix and PC applications, such as, Landmark, Petrel, Gocad and Kingdom.

Maria has developed a broad spectrum of geophysical skills on a wide variety of projects in close cooperation with PDVSA, CHEVRON and REPSOL IPF, recommending, designing and interpreting seismic surveys for exploration and risk assessment for gas exploration and drilling operation. She has experience as University professor which provides her with excellent communication skills both in English and Spanish. She has experience making presentations on project results.

Maria Jacome has a Bachelor of Engineering (Honor) in Geophysics (1994) from Simon Bolivar University, Venezuela, and a PhD in geology from the University of Liverpool, UK (2001). She is a member of the AAPG and Geological Society of London and a practicing member of the Association of Professional Geoscientists of Ontario (APGO). She also holds a Graduate Certificate in Environmental Sciences from Ryerson University, Canada (2014).

DAVID J. BIRNIE

M.SC., MBA, P.GEO.

SENIOR GEOSCIENCES CONSULTANT AND ADVISOR
PRINCIPAL, ALCONSULT INTERNATIONAL LTD.
PRESIDENT, GEOSEIS INC.

CONTACT INFORMATION

+1.403.355.2532 (work)
+1.403.616.5660 (cell)
dbirnie@alconsult.net

#600, 744 - 4th Avenue S.W.
Calgary, AB, Canada T2P 3T4

www.alconsult.net

Dave Birnie is a senior Canadian oil and gas consultant who currently leads Alconsult's and GEOSEIS's geosciences consulting practices specializing in international exploration and production (E&P) projects, both onshore and offshore. GEOSEIS Inc. is an oil and gas geosciences consulting and technical services company he co-founded in 1997 (www.geoseis.ca). Alconsult International Ltd. is an Upstream E&P project management company operating since 1986 (www.alconsult.net). Services offered by GEOSEIS and Alconsult include project framing/ planning, geosciences interpretation (as part of a client collaborative approach), opportunity portfolio development and evaluation, geotechnical due diligence, and project management, including management of geological and geophysical data acquisition and processing and project marketing.

Dave is active as a practicing consulting geoscientist leading teams working together with clients and available project data to develop practical, fact-based and cost-effective solutions. Recent onshore projects by Dave's teams include Africa (multiple projects in multiple countries), Yemen, Iraq, and Colombia. Previous offshore projects include Guyana, Madagascar, India, and the deep water Gulf of Mexico. Dave has a record of successful hydrocarbon discovery in Canada, Indonesia, Egypt, and India.

Prior to consulting, Mr. Birnie held progressive technical and supervisory responsibilities with Chevron Corporation in Canada, the U.S. and Indonesia (1974-1995). He worked for 16 years as a geophysicist/ geologist followed by 6 years in a planning and economic evaluation role. In Canada he supported Chevron's development geology group and then subsequently served as leader/ supervisor of the West-Central Alberta exploration group. During the 1990-95 period he served as Manager of Planning for Chevron Canada Resources.

Mr. Birnie is a G&G exploration/ asset E&P specialist who typically gets involved in special studies to try and do new and different things to get and integrate better data for interpretation, risk reduction and decision making in the oil and gas business. He has extensive experience working with seismic data processors to obtain the best seismic data possible for interpretation. Mr. Birnie has also been involved in the process of rethinking technology strategies to add value to the Upstream oil and gas business.

DAVID J. BIRNIE

continued from previous page

CONTACT INFORMATION

.....

+1.403.355.2532 (work)
+1.403.616.5660 (cell)
dbirnie@alconsult.net

#600, 744 - 4th Avenue S.W.
Calgary, AB, Canada T2P 3T4

www.alconsult.net

Mr. Birnie is an expert in exploration methodologies, exploration risk assessment, and exploration resource probabilistic modeling (size-of-the-prize modeling). He has taught industry courses on exploration management, reserves assessment and modeling and prospect evaluation.

Mr. Birnie holds Bachelor and Master degrees in Geological Engineering and Geophysics respectively from Queens University (1972) and the University of British Columbia (1976). He also holds a Master of Business Administration degree, specializing in Finance (1981). Mr. Birnie is a registered APEGA Professional Geoscientist in Alberta as well as a member of CSEG, CSPG and SEG.