Dr Achour Jamal Madi – Expert in Exploration & Sedimentology

Dr Madi is a multi-disciplinary geoscientist with more than 35 years' experience. He provided management, technical and operational leadership for operating oil Companies (Petro-Canada, Occidental) and independent consulting firms. Dr Madi holds a PhD degree earned in 1994 in Montreal, Canada.

Expert in frontier exploration and subtle traps, volume and risk assessment of conventional & unconventional plays, prospect maturation, exploration strategy, concession capture, carbonate sedimentology & diagenesis.

Oil finder with proven track record. Involved in numerous oil and gas exploration projects in more than 40 countries, including Canada, Mexico, USA, Algeria, Tunisia, Libya, Egypt, Syria, Iran, Pakistan, Oman, Sudan, Cameroon, Nigeria, Tanzania, Belize, Albania, France, Colombia, Guatemala, Belize ...

Familiarity with almost all basins, fields and geological settings around the globe including North and South America including GOM, APAC, MENA, North, East and West Africa, and Europe.

Developed algorithms and software to identify shale gas / tight oil plays, and to estimate resources of unconventional plays. Identified and characterized tight oil plays in many countries e.g., SE Saskatchewan (Canada), North-Dakota (USA), Paris Basin (France), Rub al Khali Basin (Oman, Saudi Arabia), NE Algeria, and southern Mexico.

Co-founded three oil companies: Madison PetroGas (2007-2012), Allied Petroleum Exploration (APEX) (2011-2022), and recently Emerald Petroleum that operates an exploration concession in Central America.

Dr Madi is a Professional Geologist (APEGA), and member of AAPG, CSPG, CSEG and SPE. He has published technical papers in AAPG Bulletins, Sedimentology, Facies, Journal of Sedimentary Research and Society of Petroleum engineers (SPE).

Roger Whitakers – Reserves Assessment Expert & Management and Project Economist

Mr. Whitakers has more than 40 years of senior-level technical and management experience, with a focus on project risk analysis, prospect portfolio design and economic valuations of oil and gas assets. Skills include subsurface analysis of geological and geophysical data, economic modeling of assets, and strategic planning.

With Deloitte Financial Services Overseas Projects, he advisory services, through consulting in Ukraine for risk management and project economics, primarily to introduce and implement leading industry practices for the assessment of subsurface assets in the Dnieper-Donets basin for UGV. SPE-PRMS compliant workflows were utilized, in collaboration with the subsurface professionals on the Deloitte team, to assess a small subset of exploration-appraisal leases. The work was delivered through a series of work sessions within UGV and Naftogaz and through the design and delivery of a 3-day training workshop on risk, uncertainty, and economics.

With Condor Petroleum Inc., as VP exploration, I Led subsurface team in the geological, geophysical, reservoir analysis and economic/risk evaluations of 50+ projects and assets in Kazakhstan and Turkey. Additionally, over 75 assets in Sub-Sahara Africa, MENA, SE Asia, Canada, Eastern European and other FSU countries were assessed for their geological, economic and risk profiles as potential investment opportunities.

Mr. Whitakers has extensive experience in working with multi-disciplinary teams in designing and executing exploration, appraisal, and full-field development plans within in a variety of fiscal regimes and countries. Mr. Whittaker has also had experience working in a variety of geological basins, inclusive of conventional and unconventional (tight reservoirs) resources, ranging from oil, gas and retro-grade gas condensates. Roger is a P.Geol., P.Geoph. (Professional Geologist and Geophysicist as legislated by Alberta through APEGA), CPG (Certified Petroleum Geologist as designated by AAPG) and is a Geological Fellow as designated by Geological Society of London.

Mo Ganem – Senior Geophysicist

Professional Geophysicist with more than 35 years' experience in Canada and International in exploration and development domains. Mo explored and developed oil and gas in the offshore Canadian East Coast, SE-Asia, North Africa (Algeria, Libya & Tunisia) and Oman.

Mo has strength in seismic interpretation (2D & 3D), hydrocarbon potential evaluation, prospects generation and exploration risk analysis. He possesses strong geological background

Mo's worked with APEX and DNO in Oman (Blocks 8 and 36). He particularly interpreted Block 8 2D/3D seismic interpretation of Bukha and West Bukha Fields, carried out Petrel Geological Modeling, Vertical and Horizontal Development wells planning & execution. He was responsible of Block 36 1,000 km of seismic acquisition and processing/reprocessing QC.

From 2005 through 2013, he was with Storm Ventures International, Calgary, mainly exploring Tunisian Ghadames and offshore Hammamet basins. Detailed 3D interpretation led to the drilling of drilling of 06 exploratory wells (04 discoveries) and 11

Appraisal and development wells (4 Horizontals) in Sud Remada Permit of the Ghadames Basin. Also was involved in Hydrocarbon evaluation of various blocks in the North Sea UK project.

From 2002 through 2005, he was with Zueitina Oil Company, Tripoli, Libya. He explored Parcel NC 74F within the eastern part of Sirte Basin. He performed field static corrections analysis and their effect on low relief structures. 2D & 3D seismic interpretation using Geo-Frame workstation and Win-Pics PC.

From 1998 to 2002, he worked for Husky Oil Operation Ltd, Calgary. He explored South Whale Basin and North Jeanne d'Arc basin (East Coast Canada), 3D seismic interpretation on North China Basin, and the Madura Strait Basin in Indonesia.

Dr Djamel Boutoutaou - Expert in Petroleum Geochemistry

Dr Boutoutaou is a petroleum geochemist with 30 years of experience, specializing in exploration. As a Chief Petroleum Geochemist of Fugro-Robertson, and CGG Robertson for over 15 years, he was involved on projects worldwide, including North Sea, Gulf of Mexico, North and South Atlantic margins, North and East Africa, Middle East, and the Far East (Pakistan, India, Thailand, Mongolia, Australia, and New Zealand).

He holds MSc and PhD degrees in Petroleum Geochemistry and went to the University of Newcastle Upon Tyne, United Kingdom.

Mr Elhadi M. Belhadj – Expert in Exploration & Geochemistry

Elhadi is a senior petroleum geologist engineer with 25 years' experience in oil exploration. He has developed his expertise in geoscience with Sonatrach, Algeria, including basin modelling, petroleum systems evaluation and structural deformation.

In 2008, he joined Allied Petroleum Exploration in Calgary, taking part in the assessment of projects pursued all over Africa and the Middle East. Elhadi holds MSc from Montreal University.

Allan Albertson – Drilling/Completion Manager

Allan has more than 25 years of diverse domestic and international petroleum engineering experience working in 19 countries on 6 of the world's continents. His experience spans unconventional, frontier and HPHT critical sour engineering and operations. In addition, Allan has extensive experience with managing large, integrated teams focused on upstream activities involving engineering, well operations, and field development. Currently, he acts as the Chief Executive officer of Fire Creek Resources Ltd. www.fcrl.ca. Allan was granted a patent by the United States Patent (Patent number: 9,284,821 B1) in March 2016 for their innovative multi-lateral completion technique.

Allan is a professional engineer in Alberta and graduated from Montana Tech with a Bachelor of Science in Petroleum Engineering.

Selim Barama - Expert in artificial intelligence & software development

A highly skilled software development professional with over 15 years of experience in the field. He has a deep understanding of a range of applications, including those used in the medical, travel, national television, and financial industries, as well as in computer security. Selim holds a Bachelor of Science in Informatics from the Université de Montréal.

In recent years, Selim has focused on artificial intelligence, data science, and machine learning, and has developed and maintained distributed applications in these areas that are particularly applicable to the gas prospection industry. His mission is to provide usable and actionable information and visualizations from complex data, enabling companies in the gas prospection industry to make informed decisions.

He is well-versed in a variety of programming languages and frameworks, and has a track record of delivering high-quality, user-friendly front ends and applications for several large companies.

WIlfried Fauvel - Expert in artificial intelligence & software development

A highly skilled computer science engineer with more than 15 years of experience within a width variety of industries such as avionics, grid automation and transportation.

He holds a master's degree in computer science from a french University and did not stop learning ever since. His expertise includes programming languages such as Python, Java, and C++, as well as experience with critical embedded systems, machine learning and data analytics.

In his current role of software leader, he is responsible for designing software solutions within a cross-functional teams for railroad industry, as well as managing a team of software engineers.

His aim with Emerald is to provide usable and actionable information and visualizations from complex logs data, helping petroleum explorationists to make informed decisions.

He is always looking for ways to stay up to date on the latest technologies and techniques in the field.