

KHALED (KAL) A. LATIF, P. Geol.
Vice President - Geoscience



SUMMARY

A Geoscientist with over forty years of international and domestic oil and gas industry experience. I have worked on various basins in Canada, UK, Norway, Denmark, Africa, Middle East, Central and SE Asia, Australia, India, Pakistan, and Brazil. I have a proven track record on the exploration front; play fairway and prospects' evaluation, combined with solid hands-on experience in fields' development and optimization. I am skillful in both conventional and unconventional resources. My areas of expertise include: due diligence, basin analysis, structural geology, sequence stratigraphy, petrophysical evaluation, offshore operations, reserves' estimate, risk assessment, in addition to hydrogen research and CCS.

EDUCATION

- Strategic Planning - 2015
- MBA (mini) - 2014
- Projects Front End Planning - 2005
- Project Management Certificate - 1991
- Oracle Diploma, Oracle University - 2001
- University of Alexandria, B.Sc. in Geology - 1979
- Also certificated in: team building synergy, structure, sedimentology, sequence stratigraphy, AVO, seismic, reservoir development, basin modeling, advanced log interpretation, and programming

PROFESSIONAL AFFILIATIONS

Professional Geoscientist with:

- The Association of Professional Engineers and Geoscientists of Alberta, APEGA
- Professional Geoscientists of Ontario, PGO

Active member in:

- AAPG, American Assoc. of Petroleum Geologists
- EAGE, European Assoc. of Geoscientists & Engineers
- EMD, Energy Minerals Division (Unconventional)
- IAS, International Assoc. of Sedimentologists
- CEQA, Canadian Energy Geoscience Association

PROFESSIONAL HISTORY

- Vice President - Geoscience – Chapman Hydrogen and Petroleum Engineering, January 2018 to present
- Project Coordinator – KUFPEC, 2011-2015
- Consultant Geologist – Shell, 2007-2010
- Principal Geologist – Shell, 2005-2007
- Associate – Chapman Petroleum, 2004-2005
- Senior Exploration Manager – Calvalley Petroleum, 2001-2004
- Independent Consultant, 1999-2000
University of Calgary (Instructor), Cabre Exploration (Advisor), Sproule (Geologist)
- Staff Geologist, Africa and Middle East Team – EnCana, 1997-1998
- Exploration and Development Operations Manager – Shell, 1991-1997
- Exploration Manager – TOTAL Energies, 1980-1991

LANGUAGES

- Fluent in English, French, Arabic

KEY PROJECT EXPERIENCE

KUFPEC - South East Asia Region

- Asset Management Role; responsible for technical, financial and commercial aspects for exploration, development and producing assets.
 - ◆ Administered JOA, PSC & principle agreements
 - ◆ Coordinated inputs from the regional multidisciplinary teams. Provided peer reviews
 - ◆ Monitored operations, liaison with JPV's, stakeholders and participated in workshops and TCMs, sought board approval
 - ◆ Maintained cost control measures, processed and sought approvals for budgets, AFE's
 - ◆ Quality control-assurance on geoscience projects

Shell - Assigned to UK Upstream

- HPHT Exploration Team: conducted play fairway in North Sea, created GDE and CRS maps, estimated YTF
- Central North Sea Team: performed geological evaluations, integrated seismic, petrophysics, chemostratigraphy, basin modeling, structural restoration, fault seal analysis, and pore pressure prediction

Shell - Assigned to Shell Egypt

- Participated in regional project over the entire Nile Delta and Mediterranean. Identified new MTD's, introduced unique probability method to assess fault seal analysis
- Provided a lead role in a coaching initiative and knowledge sharing across the entire BG group
- Sought WPB approval via assurance framework

Chapman Petroleum Engineering - Calgary Office

- Conducted due diligence, geological evaluation, mapping, petrophysical interpretation, risk management, provided sound advice and operational support to clients

CALVALLEY Petroleum - Calgary Office

- Conducted evaluation and basin analysis in Yemen; integrated seismic and geological data
- Recognized reservoirs, defined play types
- Quality-assurance and prospect ranking and risking
- Selected optimum well locations for Canadian properties, prepared well programs and budgets
- Launched, evaluated bids; negotiated, administered contracts; sought Government approval
- Planned, coordinated and supervised geological and drilling operations

Consultant for the Following Clients:

- University of Calgary - Proposed, developed and instructed courses for industry professionals: International oil and gas exploration and operations, Negotiating international contracts
- Sproule - Evaluated geology and reservoirs

EnCana – Africa & Middle East Team - Calgary Office

- Evaluated basins and blocks in Libya, North Africa
- Generated drillable prospects and leads
- Recognized additional reservoirs adding reserves
- Participated in 1000 km of 2D seismic survey, integrated seismic, geological and reservoir data; producing the basin petroleum system
- Evaluated new ventures and bid rounds in Egypt, Algeria, Libya, and Yemen

Shell

Exploration Operations Geology Manager

- Coordinated exploration work and geological operations, offshore Mediterranean Sea; resulted in major gas discoveries & production fields
- Participated in first West Delta Deep Marine project in water depth of 700-1200m in the Mediterranean
- Administer and trouble-shooter for first Alliance contract in North Africa and Middle East, led to successful and cost-effective operations
- Evaluated pressure regime, shallow gas, site survey and other deep marine operation hazards
- Liaison with BG-UK multidisciplinary team and alliance partners

Development Operations Department Head

- Appointed by British Gas to its Joint Venture Company, participated in the development of oil fields, Gulf of Suez-Egypt
- Contributed in studies and full development plans
- Evaluated bids, made recommendations, assured compliance of the first Turnkey contract in Africa
- Assigned the leadership of Exploration Asset Team to evaluate deep offshore exploratory prospects

Consultant Senior Geologist

- Responsible for geological operations, well setting of offshore wells in Egypt with 95% success rate

TOTAL Energies

Exploration Manager

- Handled major decisions, liaison with GM and Paris headquarter, communicated with JV, partners, government, sought decision approval
- Negotiated and granted authorities' approval of over US2M\$ pending cost recovery expenditures

- Planned 2D offshore seismic survey, drilled deep wells, resulting in multi-layered gas discoveries
- Prepared farm-out proposals, evaluated farm-in opportunities, presented to management

Deputy Exploration Manager

- Contributed to US350M\$ development projects of major oil and gas fields in the Gulf of Suez
- Drilled offshore wells with 90% success rate
- Performed full bidding process, sought approvals, negotiated, awarded and administered contracts

Subsurface Operations Department Head

- Responsible for planning, QC, and supervision of geological operations of offshore and onshore exploratory, appraisal, horizontal wells, prepared programs, compiled reports, evaluated reservoirs

Geologist

- Evaluated over 20 exploratory blocks in Egypt
- Generated prospects, prepared drilling programs
- Assigned full supervision duties of geological, logging, coring, and testing operations
- Drilled tough-to-operate HTHP deep offshore wells with 75% success rate
- Discovered oil, condensate, gas fields in Gulf of Suez, Red Sea, Nile Delta and Mediterranean

PUBLICATIONS and AWARDS

- Referee on technical papers, published in the Canadian Society of Petroleum Geologist's Bulletin
- International reviewer and referee on public issues for UNESCO arms: IUCN-International Union of Conservation of Nature and IUGS-International Union of Geological Science
- Esh Elmalaha Discovery, Red Sea: FMS Analysis Study of Fractured Basement, published in the Découverte Exploration magazine
- Awarded several HSE rewards for excellent initiatives and performances