

Dr. Ahmed Hafez

Instructor

Career synopsis

Resourceful goal-oriented senior staff geoscientist with 18 years working experience in the oil and gas industry, mainly with international corporates, contributing to full cycle of exploration and production, with extensive academic experience. Highly competent of geoscience data interpretation, integration, reservoir characterization and modeling to create field development plan, brownfields revitalizing, waterflooding projects to boost oil production and generate new exploration prospects. Proven track-record of finding and developing oil and gas fields in many basins around the world includes Mediterranean, North Africa, South Mexico, Europe and Middle East regions. Implementing leading-edge multi-disciplinary techniques and workflows including artificial intelligence technologies for effective exploration and development. Indeed, complying with the HSE policies to ensure safe and efficient operations is a key characteristic.

Professional experience

July 2022-Until now - Subsurface Team Leader - NPC, Jordan

- Discovered substantial gas resources (multi-TCF discovery) of the Risha area
- Established a development plan of Risha gas field which includes drilling of 77 wells
- Responsible for exploration and development of Hamza and Sarhan fields including 3D seismic processing parameters optimization, 2D/3D seismic interpretations, mapping, velocity modeling, depth conversion, AVO inversion, reservoir characterization and multi-realization reservoir geo-modeling of fractured tight sandstone and carbonates. The plan would include drilling of more than 77 development wells and 10 exploratory wells
- Curriculum development
- Personnel training

December 2016-June 2022 - Geoscience Manager - Cheiron Petroleum Corporation, Egypt

- Responsible for exploration and development of tens of oil and gas fields in Egypt (Nile Delta, Mediterranean Sea, Western Desert and Gulf of Suez), South Mexico, Romania and Yemen including 3D seismic acquisition, 3D seismic time and depth processing, 2D/3D seismic interpretation, seismic reservoir characterization, reservoir depositional architectural elements delineation, attribute analysis, micro-seismic acquisition, processing and interpretation with heavily operations in onshore and offshore drilling and projects
- Key member of world-wide assets acquisition and farm-in/farm-out team including the historical-largest oil and gas assets transaction in Egypt of acquiring onshore Shell assets including assets evaluation, negotiation, reserve certification and bank loans
- Curriculum development
- Personnel training
- Knowledge test / assessment

November 2010-November 2016 - Gaz De France (GDF Suez) - Senior Geoscientist, International

- Responsible for exploration and development of Egypt and Norway concessions and fields including 3D multi-azimuth seismic acquisition and processing of Mediterranean Basin concession, 2D/3D seismic

mapping, velocity modeling and depth conversion, rock physics modeling, pre-stack seismic inversion, prospect generation and maturation, risk assessment and hydrocarbon in-place valuation

- Member of the international review committee who responsible for technical reviewing of the generated prospects and leads in 12 countries around the world
- Curriculum development
- Personnel training
- Knowledge test / assessment

December 2009-November 2010 - Geophysicist - PGNiG, Egypt

- Responsible for exploration of East Baharaiya concession in Egypt's Western Desert including 2D seismic acquisition and time processing, 2D seismic interpretation, mapping, depth conversion and prospect generation
- Personnel training

November 2006-December 2009 - Geophysicist - British Gas-EGAS J.V. (Rashpetco), Egypt

- Responsible for developing giant Mediterranean gas fields (multi-Tcf) of Sequoia, Simian and Rosetta fields including 3D seismic interpretation, seismic geomorphology, seismic sequence stratigraphy, mapping, velocity modeling and depth conversion, rock physics modeling, AVO inversion and well planning
- Responsible for exploring gas resources in WDDM concession in the Mediterranean Sea Basin including regional seismic interpretation, integrated dry-hole analysis, regional AVO interpretation, prospect generation and maturation and exploration well planning
- Curriculum development

Education and qualifications

Type	Name
2015 - 2018, Ph.D	Al-Azhar University, Exploration Geophysics

Language: English, Arabic