

Undeveloped Oil & Gas Discoveries Of The Middle East & North Africa

MENA 2011 Oil & Gas Conference

(MENA11) The 9th International Middle East and North Africa Oil & Gas Conference

Organised by Target Exploration

19 and 20 September 2011

The Imperial College

180 Queen's Gate, London, SW7, UK.

Chairmen and Authors

Chairmen

Dr. M. Ala, Department of Earth Science and Engineering, Royal School of Mines, Imperial College, University of London, London, UK.

Prof. Ali I. Al-Jubouri, Research Centre for Dams & Water Resources, Mosul University, Iraq.

Dr. Thamer Al-Uqaili, CEO, Petroconsult Canada & Associates, Canada.

Dr. Mohammad Al-Warrak, Structural Geologist, Open University, UK

Dr. Abdul-Hamid Fenghour, Consultant Petrochemical Engineer, London, UK.

Authors/Presenters



Dr. M. Ala. Department of Earth Science and Engineering, Royal School of Mines, Imperial College, University of London, London, UK. Dr. Ala has been closely associated with the oil industry for more than 30 years both as an exploration geologist with an independent oil company and as a consultant. He has a BSc in Oil Technology and an MSc, PhD and DIC in Petroleum Geology from Imperial College, University of London. In 1972 he joined Seagull Exploration International and was involved in exploration studies and prospect evaluation in

many parts of the world including Africa, northwest Europe, eastern Mediterranean, the Caribbean, South America and the Middle East. In 1976 he became the company's General Manager in London, responsible for its north European and Middle Eastern operations. In 1981 he joined the academic staff in the Earth Science Department of Imperial College, rising to the post of Director of the internationally recognized MSc Petroleum Geoscience Course in 1994. He is co-founder (1988) and Director of Hydrocarbons Venture Limited, a UK based organization involved in consultancy and participation in exploration projects. Currently, he is Chairman of Azar Energy Qeshm, a company he co-founded in 2003 with the aim of participating in the Iranian oil and gas sector projects. In 2007 he joined the board of Dominion Energy as a non-Executive Director. Dominion's principal activity is the exploration and development of oil and gas fields in North Africa in general and in Tunisia specifically. Dr. Ala is an acknowledged expert on the petroleum geology of Iran, published more than 60 research and review articles covering the Middle East and West Africa, focusing on the petroleum geology and oil industry of Iran and is on the Editorial Board of the international Journal of Petroleum Geology. He was also Editor in Chief of Seventy-Five Years of Progress in Oil Field Science and Technology, published in 1990. Since 1982 he has been organizing and presenting numerous industrial training programs in Europe, North Africa, West Africa and Southeast Asia. Currently, Dr. Ala is completing a textbook entitled The Acquisition and Interpretation of Open-hole Logs.



Dr. Ahmed Asker. Lecturer of petroleum Geology, Faculty of Science, University of Al-Nahrain, Baghdad, Iraq. Ahmed has a B.Sc. in Geology, M.Sc. in Palynology and Organic Geochemistry, and Ph. D. in Petroleum Geochemistry from the University of Baghdad, Iraq. He studied palynofacies indication of depositional environment and organic geochemistry, palynofacies and hydrocarbon potential of the Middle Jurassic Sargelu Formation in North Iraq.

Janan Al-Asady is a practising barrister at 8 Stone Buildings and PhD candidate in Iraqi oil law at the School of Oriental and African Studies in London. Janan has experience in international commercial litigation and arbitration. Janan worked for key litigation firms, including a City of London law firm, and has a good understanding of the demands of both her lay and professional clients. In 2010 she commenced a PhD in Iraqi oil law at the School of Oriental and African Studies, University of London



Professor Ali I. Al-Jubouri. Professor and Researcher in petrology and mineralogy of sedimentary rocks at the Research Centre for Dams and Water Resources, Mosul University, Iraq. Prof. Al-Jubouri is currently in a sabbatical year at the Department of Earth Sciences, Royal Holloway of London University working on the maturation of Iraqi Paleozoic shales from mineralogical (clay), geochemical, and biostratigraphical disciplines. He received his BSc in geology and MSc in sedimentology from Mosul University, Iraq in 1980 and 1983 respectively, and PhD from Comenius University, Slovakia in 1992. Ali is a member of numerous international societies and has published several papers on sedimentological, mineralogical and geochemical topics in local and international refereed journals. Awarded the 2009 Distinguished Scholars Award from the Arab Fund For Economic and Social Development, Kuwait.



Dr. Thamir Al-Uqaili. CEO Petroconsult Canada & Associates, Mississauga, Canada. Dr. Al-Uqaili has PhD in Petroleum Engineering from the Imperial College, University of London. He Worked as Reservoir Engineer (BPC), Field Manager (NOC), General Manager (CPO) General Manager Planning Department (MOO), Iraq; Area Reservoir Coordinator (North Africa) Repsol, Spain.

Dr. M. Al-Warrak. Consultant Geologist and Associate Lecturer, the Open University, UK. Dr. Mohammed has a B.Sc. Honours in Geology, University of Liverpool, M.Sc. and D.I.C. in Petroleum Geology, Imperial College, University of London, and Ph.D. in Structural Geology, Imperial College studying an area of great structural complexity in the Western Alps of France. Well-established researcher and teacher of Earth Sciences with detailed knowledge of the Geology of the Northern Oman Mountains. The results of his research include scientific papers and six geological map sheets of some of the most important and geologically critical regions of the Northern Oman Mountains. He also carried out consultations to the Government of the U.A.E. and many contracting companies including Abu Dhabi National Oil Company (ADNOC) / OMV Aktiengesellschaft (Austria) and Calvalley Petroleum (International) Inc., Canada.



T. K. Barsoum. Exploration and Development Consultants, Bucks., England. Talaat has B.Sc. Geology from Cairo University, Cairo, Egypt, and he is a post graduate of the University of Calgary, Calgary, Canada. He worked as Senior Exploration and Research Geologist for the Geological Survey of Egypt, Cairo, Veezay Geodata, Calgary, Canada, Sonatrach, Algeria, Arabian Gulf Exploration Company and Waha Oil Company, in Libya and the U.K. He has an extensive experience in exploration and development of oil and gas fields with successful record in prospects' generation and oil and gas discoveries.



Mr. AbduAllah Esmaeili. National Iranian South Oil Company (NISOC), Iran. Abdollah has a B.Sc. and M.Sc. in Petroleum Engineering from Petroleum University of Technology (PUT), Iran. He worked in National Iranian Oil Company (N.I.O.C) as a petroleum engineer for 14 years. He also teaches Petroleum Reservoir Engineering courses in universities of Iran.

Dr. Abdul-Hamid Fenghour. Consultant Petrochemical Engineer, London, UK. Dr Fenghour has a B.Sc., M.Sc. and Ph.D. In Chemical Engineering, and CASLAT in advanced education. He is a Chartered Chemical Engineer, a member of the Inst. of Chemical Engineers, and the Editor of the Journal of Chemical Thermodynamics. Worked as Process Engineer, Plants Manager, Senior Project Engineer for the National Petrochemical Company of Algeria, and as Research Associate in the National Engineering Laboratories, East Kilbride, Glasgow, Scotland, and as a Research Associate in the IUPAC Centre, Department of Chemical Engineering, Imperial College. Dr. Fenghour authored more than 30 publications in refereed journals, books and conference proceedings.

Dr. Muhammad W. Ibrahim. R&D Manager, Target Exploration, London, UK. Dr. Ibrahim has a Ph.D., M.Sc. and DIC degrees in Petroleum Geology from the Royal School of Mines (Imperial College), University of London, and a B.Sc. in Geology from the College of Sciences, University of Baghdad. He worked in exploration, appraisal, and field's development geology as an employee or as a consultant through Target Exploration for AMOCO Overseas, DNOS, KNOC, Kuwait Oil Company, LASMO Grand Maghreb, LASMO International, Mobil Oil Libya, PETRONAS International, UNOCAL Syria and VEBA Oil Operations. He contributed to few oil and gas discoveries, filed one USA patent application, wrote several geological and open-hole log analyses computer programs, and published on various aspects of exploration and development geology of the Middle East-North Africa (Iraq, Jordan, Kuwait, Libya, Saudi Arabia, Sudan, Syria, and UAE) and other regions.

Miss Luma Jassim Mohammad. Department of Geology, College of Science, Baghdad University. She is Presently studying for her PhD in Sedimentology at Kiel University, Germany.



Mr. Ahmed Mousa Jiyad. Petroleum Development Consultant, Vaksdal, Norway. Ahmed Mousa Jiyad is an independent development consultant and scholar. He studied and graduated with B.Sc. in Economics (Univ., of Baghdad), Post Graduate Diploma in Planning (Univ., of Birmingham, UK), M.Sc. in Development Studies (Univ., of Bath, UK) and MA, Law and Diplomacy (Tufts and Harvard universities, USA). He has over 40 years of extensive international professional experience in Iraq, UK, USA, Norway, and, with UN organizations, in

Poland, former Czechoslovakia, Hungary, Uganda, Sudan and Jordan. While in Iraq (1968-88) he worked as senior economist with Ministry of Oil and INOC, chief expert with the External Economic Relation Committee- Council of Ministers, chief expert and director of OECD department, Ministry of Trade. He left Iraq to the US in July 1988 as Fulbright Visiting Fellow at Fletcher School of Law and Diplomacy, Tufts University 1988/9.

Jiyad is active scholar with regular participation in international conferences, workshops, seminars and related events. He has written and publishes widely since 1976 on energy and other developmental issues, and his publications appeared in many countries in Arabic, English, Turkish and Norwegian. Most of his recent contributions and publications can be found through the Internet search facilities Google and Yahoo. Ahmed M. Jiyad is an Iraqi-Norwegian citizen. He was born in Iraq in 1945, and lives in Norway since October 1989.

Mr. Hama-Jaza S. Kadir. Hama-Jaza Salih Kadir is an Iraqi Petroleum Engineer, worked in Iraqi oil industry between 1970 to 2007 in different positions, starting from field drilling engineer, head of drilling fluid & Cementing Section, Drilling Manager for CPO-Central Petroleum Organization, Chief Planning Engineer for Ministry of Oil in Baghdad, Chief Planning Engineer for Northern Admin in KRG, General Manager for Oil and Mineral in Erbil/KRG, Senior Petroleum Advisor for PM Office 2005-2007, before 1993-1997 founder of TaqTaq Oil Project. During 2003-2004 he worked as Petroleum Advisor for the Coalition Provisional Authority - CPA/Baghdad and Ministry of Oil - MOO/Baghdad/Iraq. During 2005-2007 Hama-Jaza worked as Senior Petroleum Advisor in

the Prime Minister -Office/KRG-Iraq, as well as Senior Petroleum Advisor-TTOPCO/Turkey. He was senior vice president for technical and business development for WZA Pet Co. Ltd. a KRG private service company active in Kurdistan, NE. Iraq. He is currently a Senior Petroleum Advisor/TTOPCO.



Mr. Solon Kassinis. Director, Energy Service, Ministry of Commerce, Industry and Tourism, Cyprus. Solon has been closely associated with the oil and gas industry for more than 30 years both as a chemical engineer and as a freelance consultant. He holds a B.Sc. in Chemical Engineering from the University of Surrey, a B.Sc. in Business Studies from the University of London and a diploma in Marketing. Following a successful career abroad, where he worked both as a chemical engineer and a petroleum engineer at Sasol and Royal Dutch Shell and as a consultant on energy issues at the World Bank and other organizations and governments, he returned to Cyprus where he joined the Cyprus Petroleum Refinery and then the Geological Survey Department, before attaining his current position. Solon is also a Member of the Board of Directors of the Cyprus Oil Terminal Ltd.

Mr. Dimitri Massaras. Regional Manager, Drilling Info International, USA.

Mr Gary Mumaw. Consultant Geophysicist, Synergy Resources, Dubai, UAE. Currently assigned to KNOC and working on NE Iraq.

Dr. Francis Perrin. Editorial Manager, Arab Oil and Gas, Arab Petroleum Research Center, Paris, France. Studies in economics and political science at the University of Grenoble (France); PhD in energy economics and graduate of the Institute of Political Studies. Consultant and freelance journalist in energy economics. Editorial manager of Arab Oil & Gas published by the Paris-based Arab Petroleum Research Center. Contributing editor to

Petrostrategies (Paris) and Africa Energy Intelligence. Contributing editor to CycloPé 2005, a yearbook published in Paris (May 2005) and covering world commodities markets (an English translation will be published by the United Nations with the title "World Commodity Survey"). Special emphasis on the Middle East, Africa, the Caspian Sea region, sanctions and the strategies of the international oil industry.

Mr. Musaed Easa Al-Mukhaizeem. Senior Petrophysicist, Exploration Group (Studies Team), Office Complex (B2). Room 202-201, Kuwait Oil Company (KOC), P.O. Box: 9758, Ahmadi, Kuwait.

MENA 2011 Oil & Gas Conference Program

Day 1: Monday 19 September 2011

Undeveloped Oil & Gas Discoveries of MENA

Registration: 8:30

TIME	SPEAKER	SESSION/PAPER
Session 1		IMPACT OF THE ARAB SPRING ON REGIONAL HYDROCARBON EXPLORATION & DEVELOPMENT
09:00	Dr. M. Ibrahim , Target Exploration, London, UK.	Introduction to MENA 2011 Oil and Gas Conference
09:10	Dr. F. Perrin , Arab Oil and Gas, France.	The Impact of the "Arab Spring" on the Oil and Gas Industry and Market
09:40	Dr. T. Uqaili , CEO, Petroconsult, Canada.	Remaining Prospects in Iraq Post-Bidding Round-3
10:00	Mr. Ahmed Jiyad , Consultant, Norway.	The Exploration Blocks Bid Round in Iraq: Questions and Options
10:30		COFFEE BREAK & POSTER SESSION 1
Session 2		PETROLEUM SYSTEMS OF DEEP FRONTIERS OF MENA
11:00	Prof. Ali Al-Jubouri , Mosul Univ., Iraq	Triassic/Jurassic boundary of North Iraq: Petrological and geochemical approaches
11:30	Dr. Ahmed Askar , Nahrain Univ., Iraq	Geochemical Correlation of Oil and Source rocks in Middle and North Iraq
12:00	Mr. M. Al- Mukhaizeem , KOC, Kuwait	Integrated Formation Evaluation and Production Potential of Pre-Jurassic Formations in Kuwait

12:30		LUNCH BREAK & POSTER SESSION 1
Session 3		UPSTREAM DEVELOPMENT IN MENA
14:00	Barrister Janan Al Asady, SOAS, UK	Why Iraq Needs Comprehensive Oil Legislation?
14:30	Mr. Ahmed Jiyad, Consultant, Norway	Reinstating Iraq National Oil Company (INOC): Symbolism or Effectiveness?
15:00		TEA BREAK & POSTER SESSION 1
Session 4		SIGNIFICANCE OF PERIODICAL RE-EVALUATION OF UN-DEVELOPED DISCOVERIES
15:30	Mr. T. Barsoum, TKConsultants, UK	Hydrocarbon Accumulations in Basement Reservoirs of Sirt Basin, Libya
15:50	Miss. Luma Jassim, PhD Candidate, Germany	Sedimentology of Zubair Upper Sand Member Reservoir of S. Rumaila Field, Iraq.
16:10	Mr. Gary Mumaw, Senergy Res. Dubai	Utility and Integration of Non-seismic Geophysical Data in Exploring Kurdistan, Iraq.
16:30	Chairmen: Dr. Uqaili & Prof. Al Jubouri	GROUP DISCUSSION
17:00	End of Day 1	

Delegates and spouses are cordially invited to MENA 2011 Conference Dinner

The Date: 19 September 2011 the Time: 20:00-23:00 pm. The Place: TBA

MENA 2011 Oil & Gas Conference Program

Day 2: Tuesday 20 Sept. 2011 **Underdeveloped Oil & Gas Discoveries of MENA**

Registration: 8:30

TIME	SPEAKER	SESSION/PAPER
Session 5		REVIEW OF SOME NEGLECTED/UNDER-DEVELOPED PLAYS OF MENA
09:00	Dr. M. Ibrahim, Target Exploration, UK	Summary of First Day Sessions and Introduction to Second Day Sessions
09:10	Mr. S. Kassinis, Energy Service, Cyprus	<u>Offshore Cyprus: A New Frontier and Emerging Hydrocarbon Region</u>
09:40	Dr. M. Ala, Imperial College, UK	The Nabucco Pipeline Project – A Potential Opportunity for the Export of Iran's Gas to Europe?
10:10	Dr. M. Ibrahim, Target Exploration, UK	Exploration and Development Implications of the Structural Evolution of Kuwait
10:30		COFFEE BREAK & POSTER SESSION 2
Session 6		SOME UNDER-DEVELOPED FRACTURED RESERVOIRS OF MENA
11:00	Prof. Ali Ismail Al-Juboury, Mosul Univ., Iraq	Sedimentary Geology and Diagenesis of the Cenomanian-Early Campanian Succession, NW Iraq
11:30	Mr. A. Esmaili, Islamic Azad Univ., Iran	Prediction of Fluid-Flow in Naturally Fractured Reservoirs
12:00	Dr. M. W. Ibrahim, Target Exploration, London, UK.	Mud Gas Logs and Mud Gas Ratios of Fractured Reservoirs of N. Iraq

12:30		LUNCH BREAK & POSTER SESSION 2
Session 7		POST-"ARAB SPRING" HC PROSPECTS, CONTRACTS AND E&P OPERATIONS
14:00	Mr. H. Kadir , Petroleum Advisor, Iraq.	Oil and Water Blowouts in the Exploration Drilling History of Iraq, Causes, Controls and Costs.
14:30	Mr. T. Barsoum , TKConsultants, UK	Undeveloped Gas Accumulations, Reserves and Future Potential of Libya
15:00		TEA BREAK & POSTER SESSION 2
Session 8		HEAVY OIL, TARMATS & UNCONVENTIONAL RESOURCES OF MENA
15:30	Mr. H-J. Kadir , Petroleum Advisor, Iraq	The First Directional Drilling in Iraq, Location, Cause, Design Control and Cost.
15:50	Mr. A. Esmaili , Islamic Azad Univ., Iran	Effect of Microwave Radiation on Oil Recovery
16:10	Mr. D. Massaras , DI International	North Africa Unconventional Resource Potential Insights
16:30	Chairmen: Dr. Uqaili & Dr. Ala	GROUP DISCUSSION AND CONCLUDING REMARKS
17:00	End of MENA 2011 Oil & Gas Conference	

STANDBY	SPEAKER	PAPER
1	Dr. M. Warrak , Advisor, ADCO, UAE	Hydrocarbon Potential of the Emergent Salt Plugs of the Southern Arabian Gulf
3	Mr. A. Esmaili , Islamic Azad Univ, Iran	Sand Production and Sand Production Control in Old Oil Fields of MENA
4	Mr. A. Esmaili , Islamic Azad Univ., Iran	Treating Produced Water From an Oil Reservoir for Re-injection and EOR.

WHO MAY ATTEND AND PRESENT AT MENA CONFERENCES?

MENA Oil and Gas Conferences address the requirements of creative free thinking members of the oil and gas industry. The conference also address subjects that interests the decision makers of national and international petroleum industry, environmental agencies, legal companies, risk analysis companies and of course research establishments in and outside MENA.

Usual attendees are representatives of national and international oil and gas companies, service companies, government energy agencies and other organizations operating, energy investors investing or planning to invest in the upstream oil and gas industry of MENA are the usual attendees.

Usual presenters are exploration, development, new-ventures and HSE Staff of national and international oil companies; energy economists, planners, legal advisers, financial advisers, and risk analysts of MENA and International Oil and Gas Companies.

MENA Conferences therefore were designed to include 75% technical and 25% new-ventures related presentations.

Target Exploration endeavour to provide attendees of all their conferences with up to date conference documentations and CDs, answers to their questions, stimulating discussions, new ideas and valid conclusions.

LOCATION, TRAVEL INFORMATION & ACCOMMODATION

- **LOCATION:** MENA 2011 OIL & GAS CONFERENCE will be held at and around Clore Lecture Theatre, Huxley Building of the Imperial College, 180 Queen's Gate, London SW7 (Building No. 13 in the attached location map).

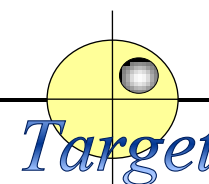
The Imperial College is located at the centre of the scientific and cultural quarter of London: The Royal School of Mines, the Geological Museum, the Royal Geographical Society, the Natural History Museum, the Science Museum, the Royal Albert-Victoria Museum, the Royal School of Art, the Royal School of Music and the Royal Albert Hall are all within 10 minutes walking distance from the Conference Hall.

- **TRAVEL:** Nearest Bus stops are outside the Royal Albert Hall at Kensington High Street, and nearest Tube are South Kensington (at the southern end of the Exhibition Road) and High Street Kensington (Kensington High Street Intersects with the northern end of Queen's Gate Road).

- **ACCOMMODATION:** To book your accommodation within or outside the Imperial College campus, please visit the I C accommodation Department website or contact the I.C. Accommodation Staff at: Tel: +44 (207) 594 9507/11 Fax: +44 (207) 594 9504/5 <http://www3.imperial.ac.uk/summeraccommodation>

- **INFORMATION:** For other information, topics, formats and instructions, please e-mail or telephone: M. Ibrahim, 65 Kenton Court, London W14 8NW, UK. Tel: + (44) 2073712240, Fax: + (44) 2073714120 Mob: +(965) 97635026 E-mail: M.ibrahim@TargetExploration.Com





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