

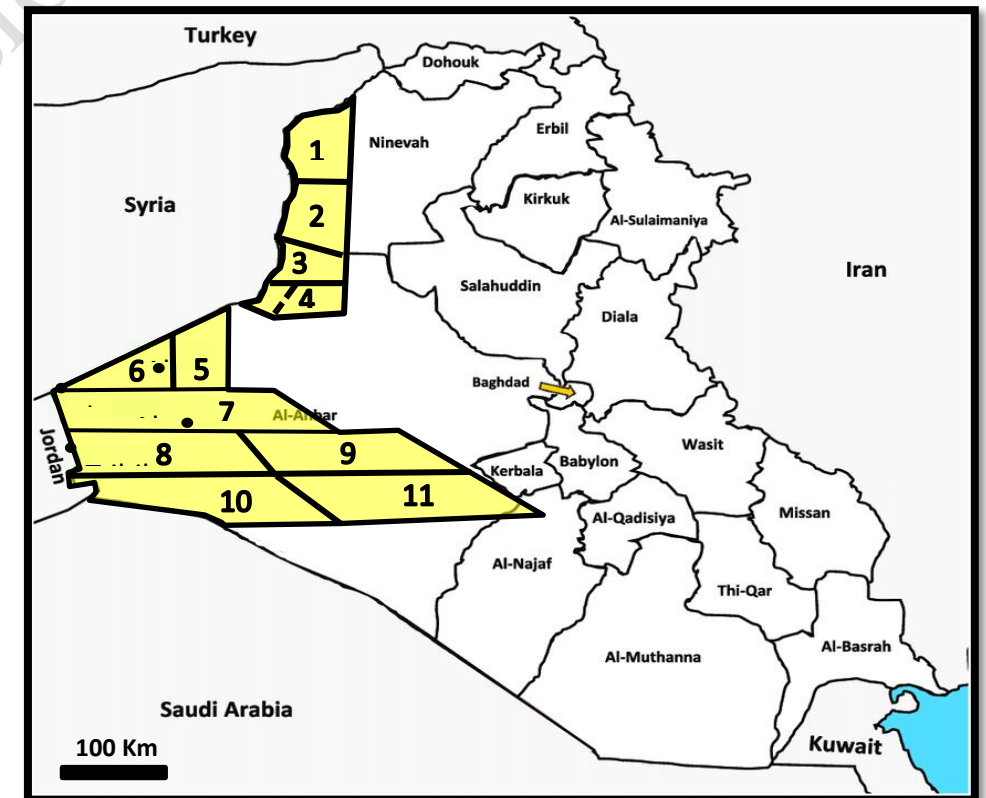
# Target Exploration

Energy Geosciences Research & Development



## Announcing Iraq's First Gas Licensing Bid Round (18/6/2023)

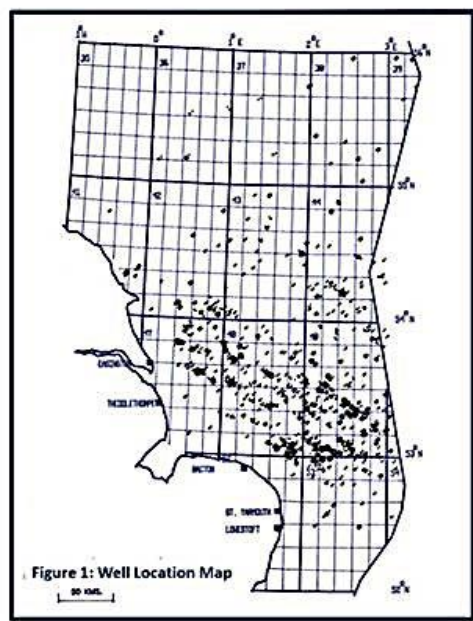
Due to domestic and international demand for natural gas, the First Gas [6<sup>th</sup>] Licensing Bid Round of Iraq was launched on the 18<sup>th</sup> of June 2023 via a low key announcement by Iraq's Ministry of Oil of 11 new [patches] blocks with proven and prospective oil and gas potentials in western Iraq. According to the new minister of oil (Hayan Abdul-Ghani), the round includes exploration areas: 1. Tel Hajar in Ninawa Governorate, 2. Khleisia in Ninawa Governorate, 3. Anbar in Anbar Governorate; 4. Anah in Anbar Governorate, 5. Al-Anz in Anbar Governorate, 6. Akashat in Anbar Governorate; 7. North Rutbah in Anbar Governorate, 8. South Rutbah in Anbar Governorate, 9. Tubal in Anbar Governorate, 10. Al-Waleed in Anbar Governorate, and 11. Al-Quraynain in Al-Anbar and Najaf Governorates. No location map was supplied with the bidding announcement and the Block Locations Map shown here was compiled by Target Exploration Consultants. [Click for Target's Analysis.](#)



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On the 07<sup>th</sup> of October 2022 The North Sea Transition Authority (NSTA) launched the 33<sup>rd</sup> Offshore Oil and Gas Licensing Round. 898 blocks & part-blocks available



Geothermal Gradients and Geothermal Gradients' Anomalies of Hydrocarbon Entrapment, UKCS Quadrants 35, 36, 37, 38, 39, 41, 42, 43, 44, 47, 48, 49, 50, 52, 53 & 54 of

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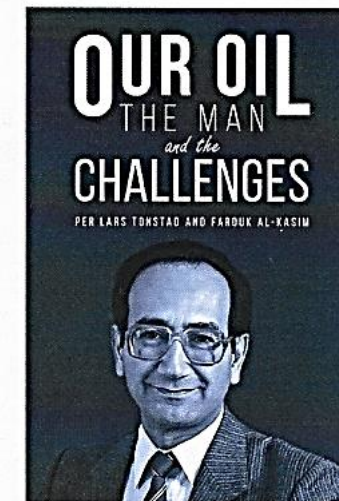
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When he was 16 years old, he was sent to London to study geology. He met a girl from Norway, and they married. Under dramatic circumstances the family had to run away from Iraq, and Farouk became the key man in Norwegian oil administration.

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[Water War: Iraq to Take Iran to Court for 42 Years of Blocking and Diverting Its Cross border Rivers.](#)

[Reasons for the Increase in Dangerous Sand & Dust Storms in Iraq, Iran, Jordan, Kuwait, KSA & Syria](#)

[The Paris Agreement \(2015\): Governments Agree on Combating Global Climate Changes.](#)

[The Florence Declaration \(2017\): Governments Adopt and Agree to Work Closer to Advance Geothermal Energy](#)

[“Geothermal energy, potentially the largest source of energy” Al Gore \(Our Choice\) 2009](#)

[Arabian Energy Resources for Net Zero World: MENA 2022 Oil & Gas Conference, I.C. London, UK, and 20 Sept. 2022](#)

[Forget Fusion: The Future Of Energy Is Already Here Beneath Our Feet!](#)

[Developing Offshore Geothermal Energy in Iceland](#)

[How the Ukraine Crisis Is a Consequence of the Iraq War: Andrew Tanner, 27 Jan 2022](#)

[Living and Working At 70 °C in Iraq: 20/07/2021 \(VID\)](#)

[The Hard Truth about Realistic Energy Transition: Mike Lakin, 8 Dec. 2021](#)

[Britain Is In Denial about the Catastrophic Consequences of Brexit: Umair Haque, 2021](#)

[Arab Winter: Oil, Wealth and Declining Science. By Prof. Muawia Barazangi, 2013 \(VID\)](#)

## **MENA 2022 Oil and Gas Conference?**

To correlate Arabian countries' exploration, development, production and supply against local and global demands on Arabian oil, gas and energy resources in climatically changing and increasingly decarbonised world. For presented abstracts, papers and posters at *MENA 2022 Oil & Gas Conference* (the 13<sup>th</sup> Middle East and North Africa Oil & Gas Conference) at the Imperial College, London, UK. On 20/09/2022 visit: <https://www.targetexploration.com/mena22.pdf>.

**Grand corruption in the regulation of oil, by Farouk Al-Kasim, Tina Søreide, Aled Williams**

**Water Projects by Turkey and Iran: The Impacts on the Right of Iraq to Access Equitable Share of Water, by Hiwa Rashid, Asmar Abdul Rahim, Haslinda Mohd Anuar**

**Winter On Mars: JPL-NASA 2022 (VID)**



[A session in our course TarC-3: Petroleum Geology and Typical Fields of the Sultanate of Oman.](#)



[A stop in our Fieldtrip TarT-3: Al-Jabal Al-Akhdhar: A Window to Mesozoic Petroleum Systems of the Middle East, Muscat, Oman.](#)

## 2022 Conference Papers and Presentations

1. **Al-Kubaisi, B. (2022)** Basin analysis of the Middle - Upper Jurassic succession, northern Iraq. ([MENA 2022](#))
2. **Al-Kubaisi, B. (2022)** Quantitative evaluation of generated and migrated oil of the Middle - Upper Jurassic succession, northern Iraq. ([MENA 2022](#))
3. **Ibraheem, E.K. (2022)** Sources of CO<sub>2</sub> and greenhouse gases emissions in Iraq: Commitments and steps to reduce these gases to near zero. ([MENA 2022](#))
4. **Ibraheem, E.K. (2022)** The gas industry in Iraq: An overview of reserves, requirements and challenges. ([MENA 2022](#))
5. **Ibrahim, MW. (2022)** Disputed Arabian economic borders in E. Mediterranean, Iraq and the Arabian Gulf. ([MENA 2022](#))
6. **Ibrahim, MW. (2022)** Drop or develop Arabian giant oilfields in the crossover to net zero? The case of Iraq. ([MENA 2022](#))
7. **Ibrahim, MW. (2022)** Geological perspective of global climatic and sea level changes. ([MENA 2022](#))
8. **Ibrahim, MW. (2022)** New risks for offshore Arabian energy operations: The Suez Canal Ever-given case. ([MENA 2022](#))
9. **Ibrahim, MW. (2022)** Recent global climatic and sea level changes: An update. ([MENA 2022](#))
10. **Warrak, M. (2022)** What is the future of Arab oil and gas by 2050 in a zero-emission world? ([MENA 2022](#))



## 2021 Conference Papers and Presentations

1. **Ibrahim, MW and L. Dumont (2021)** New: Middle East Special Interest Group, June 2021 PESGB Mag. p.12. [IBRAHIM 2021A](#)
2. **Ibrahim, MW and MH Al-Azzawi, (2021)** Obituary: Adnan Samarrai (1934-2021). AAPG Bull. V.105, N.10 (Oct. 2021), pp.2125-2126. [IBRAHIM 2021B](#)
3. **Ibrahim, MW. and B. Al-Kubaisi (2021)** Ramifications of Saudi Aramco's new Lower Paleozoic discoveries on the prospectivity of Lower Paleozoic play fairways of Iraq, Jordan and Syria. [Extended Abstract]. The 2<sup>nd</sup> Conference of Iraqi Deserts, organised by the Geology Department of Al-Anbar University, Al-Anbar, Iraq.13-15 October 2021, Abstracts Book, 232p. pp.164-168. [IBRAHIM 2021C](#)



## 2020 Papers and Presentations

1. **Ibrahim, MW. (2020)** Regional Upshots of Aramco's New (2020) Paleozoic Discoveries in Saudi Arabia, Petroleum Exploration Society of Great Britain, December 2020 PESGB Magazine, pp. 25-26. [IBRAHIM 2020](#)

## 2019 Conference Papers and Presentations

1. **Ibrahim, MW. (2019)** Extended Abstract, Geologic, Seismic, Climatic and Oil Production Controls on Hydrocarbon Seepages at Al-Ahmadi Town, South-eastern Kuwait. AAPG Hedberg Research Conference, Hydrocarbon Microseepage: Recent Advances, New Applications, and Remaining





Challenges, 18-20 June 2019, Houston, Texas. USA. [IBRAHIM 2019A](#)

**2. Ibrahim, MW. (2019)** Petroleum Systems, Exploration Plays and Typical Fields of Offshore Kuwait. Abstract and [ppp] in MENA 2019 Oil and Gas Conference (The Gulf), the 12<sup>th</sup> Middle East and North Africa Oil and Gas Conference, 18-19 Sep. 2019, organised by Target Exploration at the Imperial College, London, UK., 54P. and one PDF CD. [MENA 2019B](#)

**3. Ibrahim, MW. (2019)** Petroleum Systems, Exploration Plays of Offshore Iraq. Abstract and [ppp] in MENA 2019 Oil and Gas Conference (The Gulf), the 12<sup>th</sup> Middle East and North Africa Oil and Gas Conference, 18-19 Sep. 2019, organised by Target Exploration at the Imperial College, London, UK., 54P and one PDF CD. [MENA 2019C](#)

**4. Ibrahim, MW. (2019)** Petroleum Exploration, Development and Production Implications of Structural Evolution of On-and Off-shore Kuwait. Abstract and [ppp] in MENA 2019 Oil and Gas Conference (The Gulf), the 12<sup>th</sup> Middle East and North Africa Oil and Gas Conference, 18-19 Sep. 2019, organised by Target Exploration at the Imperial College, London, UK., 54P and one PDF CD. [MENA 2019D](#)

**5. Ibrahim, MW, G. Reeh and B. Al Kubaisi (2019)** Contribution of Volcanics to Hydrocarbon Production of Fractured Reservoirs of Libya: A Review. Poster Abstract, p.122, in Abstract Volume of Africa E&P Conference, Organised by the PESGB at the Kensington Olympia, London, UK. 1-2 October 2019, 176p.



6. **Ibrahim, MW. (2019)** Geologic, Seismic, Climatic and Oil Production Controls on Hydrocarbon Seepages at Al-Ahmadi Town, South-Eastern Kuwait. SPE Extended Abstract No. 198151, Kuwait Oil & Gas Show and Conference, 13-16 October 2019, organised by SPE at Kuwait International Fair, Mishrif, Kuwait. [IBRAHIM 2019F](#)

7. **Ibrahim, MW and T. Christoffersen (2019)** Petroleum Systems and Exploration Plays of Offshore Kuwait. SPE Paper No. 198081, Kuwait Oil & Gas Show and Conference, 13-16 October 2019, organised by SPE at Kuwait International Fair, Mishrif, Kuwait. 11p. [Ibrahim & Christoffersen 2019](#)

## **2018 Conference Papers and Presentations**

1. **Trond Christoffersen<sup>(1)</sup>, Katerina Krylova<sup>(2)</sup>, Howard Davies<sup>(3)</sup>,**

**Muhammad W. Ibrahim<sup>(4)</sup>(2018)** Re-imaging extensive regional offshore seismic survey and database is stimulating a new offshore exploration cycle in the Middle Eastern Gulf countries. [Abstract], New Advances In Quantitative Seismic Reservoir Characterization, SEG/DGS Workshop, 4-5 March 2018, Manama, Bahrain.

2. **Ibrahim, MW and B. Al-Kubaisi (2018)** Geothermal gradient anomalies of hydrocarbon entrapment at Southern North Sea basin, UKCS: a mature basin rejuvenation technique. 13:55, 6/3/2018, Room 2, Session7: Exploration Technology. Geo 2018 Conference and Exhibition, 5-8 March 2018, Manama, Bahrain.



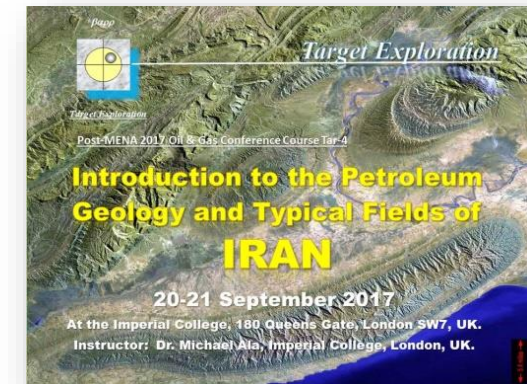
[3. Ibrahim, MW and G. Reeh, \(2018\) Geothermal gradient anomalies of hydrocarbon entrapment at central Sirte basin, Libya: a mature basin rejuvenation technique.15:35, 6/3/2018, Room 6, Session 17: Non-Seismic Case Studies. Geo 2018 Conference and Exhibition, 5-8 March 2018, Manama, Bahrain.](#)

## 2017 Courses

- [Introduction to Petroleum Geology and Typical Fields of Iran: London 20-21 September 2017](#)
- [Introduction to Petroleum Geology and Typical Fields of Oman: Muscat, Oman 16-18 May 2017](#)

## 2017 Conference Papers and Presentations

MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11<sup>th</sup> Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and one PDF CD. [MENA2017 Oil & Gas Conference](#)



1. **Ibrahim, MW. (2017B)** Using geothermal gradient anomalies of hydrocarbon entrapment in rejuvenating mature basins and identifying missed and bypassed traps, 1P Abstract, Geothermal Cross Over Technology Workshop. Organised by AAPG Europe Section, Collingwood College; Durham University, UK. 25th - 26th April 2017. **IBRAHM 2017B**
2. **Ibrahim, MW. (2017C)** Geothermal gradient anomalies of hydrocarbon entrapment of central Sirte Basin, Libya: a mature basin rejuvenation technique, Pp.152-153 extended abstract, Abstracts volume, 16<sup>th</sup> African conference, organised by the PESGB at Business Design Centre, London, UK. on 31 August-1 September 2017. 172p. **IBRAHM 2017C**
3. **Reeh, G., T. Reston, T. Aïfa and M. Ibrahim. (2017D)** Periclinal folding, faulting, relation to shearing: Sabrakah Basin west offshore Libya, Extended abstract , Abstract volume, 16<sup>th</sup> African conference, organised by the PESGB at Business Design Centre, London, UK. on 31 August-1 September 2017. 172p. **REEH 2017D**
4. **Ibrahim, MW. (2017E)** Geological perspectives of global climatic and sea level changes. Abstract and [ppp] in MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11<sup>th</sup> Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and one PDF CD. **MENA 2017**
5. **Ibrahim, MW. (2017F)** Offshore Iraq: Petroleum systems and exploration plays of a frontier area in the Arabian Gulf. Abstract and [ppp] in MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11<sup>th</sup> Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and one PDF CD. **MENA 2017**
6. **Ibrahim, MW. (2017G)** Application of compensated geothermal gradients (CGG-ESTI<sup>®</sup>) method in mature basins rejuvenation and prospects

**Geothermal Cross-Over Technology Workshop: AAPG**

25-26 April 2017, Durham University, Durham, U.K.



- generation. Abstract and [ppp] in MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11<sup>th</sup> Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and one PDF CD. [MENA 2017](#)
7. **Ibrahim, MW. (2017H)** Geological review of hydrocarbon seepages in Ahmadi, Kuwait. Abstract and [ppp] in MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11<sup>th</sup> Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and one PDF CD. [MENA 2017](#)
  8. **Ibrahim, MW. (2017I)** Global climatic and sea level changes: IRAQ as an example. Abstract of standby paper in MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11<sup>th</sup> Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and one PDF CD. [MENA 2017](#)
  9. **Ibrahim, MW. (2017J)** Global climate and sea level changes: USA as an example. Abstract of standby paper in MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11<sup>th</sup> Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and one PDF CD. [MENA 2017](#)
  10. **Ibrahim, MW. (2017K)** Impact of sand and dust storms on the feasibility, efficiency and sustainability of solar energy projects in MENA: the Kuwait case. Abstract of standby paper in MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11<sup>th</sup> Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and one PDF CD. [MENA 2017](#)
  11. **Reeh, Giuma<sup>1</sup>, Dr. David Boote<sup>2</sup> and Dr. T. Reston (2017L)**, Subsidence history of Sabratah Basin, North African margin, (Abstract), in MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11<sup>th</sup> Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and one PDF CD. [MENA 2017](#)
  12. **Warrak, M. (2017M)** Future energy perspective for the UAE, in MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11<sup>th</sup> Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and

one PDF CD. [MENA 2017](#)

13. **Warrak, M. (2017N)** Late Quaternary diapirism in the southern Arabian Gulf: the Zirku salt plug. in MENA 2017 Oil and Gas Conference (Energy Crossovers of MENA), the 11<sup>th</sup> Middle East and North Africa Oil and Gas Conference, 18-19 September 2017, organised by Target Exploration at the Imperial College, London, UK., 50P and one PDF CD. [MENA 2017](#)

### **2017 HSE Paper**

14. **Ibrahim, MW (2017A)**. Geological Review of Gas Seepages at Ahmadi, Kuwait, 2nd Kuwait International HSE Conference and Exhibition, 15-16 Feb. 2017, Regency Hotel, Kuwait. Kuwait Petroleum Corp.

### **Pre-2017 Papers/Presentations**

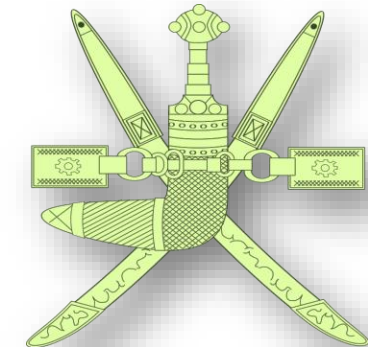
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