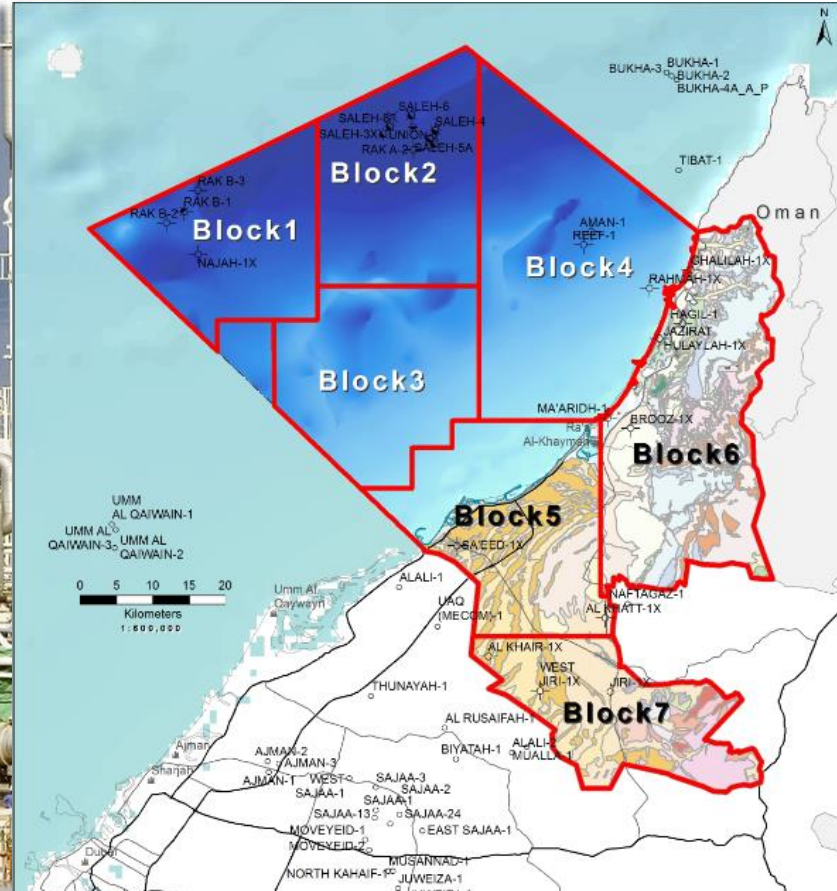




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Government of Ras Al Khaimah

# 2018 Ras Al Khaimah Licensing Round United Arab Emirates



RAKGAS LLC  
Ras Al Khaimah, UAE

## RAK Licensing Round 2018



# Ras Al Khaimah Government



His Highness Sheikh Saud Bin Saqr Al Qasimi -  
Member of Supreme Council Ruler of Ras Al Khaimah



His Highness Sheikh Mohamed Bin Saud Al Qasimi  
- Crown Prince of Ras Al Khaimah





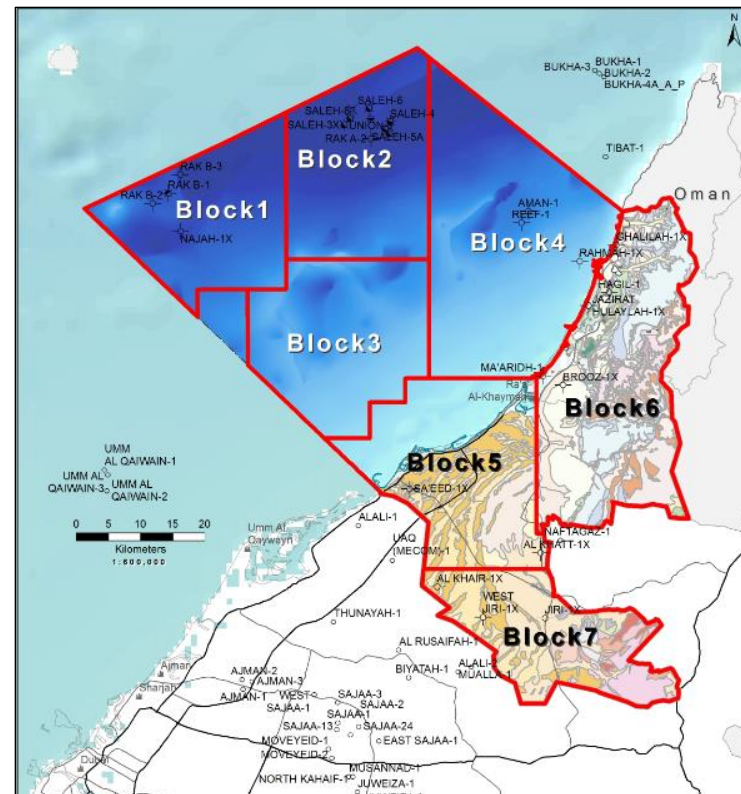
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The Government of Ras Al Khaimah, one of the seven emirates of the UAE, is conducting a formal licensing round covering all of its onshore and offshore acreage. Ras Al Khaimah's National Oil Company, RAK Gas, will conduct and manage the licensing round on behalf of the Government.

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- Attractive commercial terms.
- Exploration acreage in an established hydrocarbon province.
- New data: 2,200 km<sup>2</sup> offshore 3D, FTG onshore and offshore.
- Undeveloped oil, mature gas-condensate redevelopment and near field exploration opportunities.
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## License Round Term Sheet:

- EPSA Contract
- Companies to Bid on Profit Oil
- 1 Well in first Exploration Period (offshore), Seismic acquisition (Onshore)
- RAK Gas to be carried (10%) during the Exploration Period



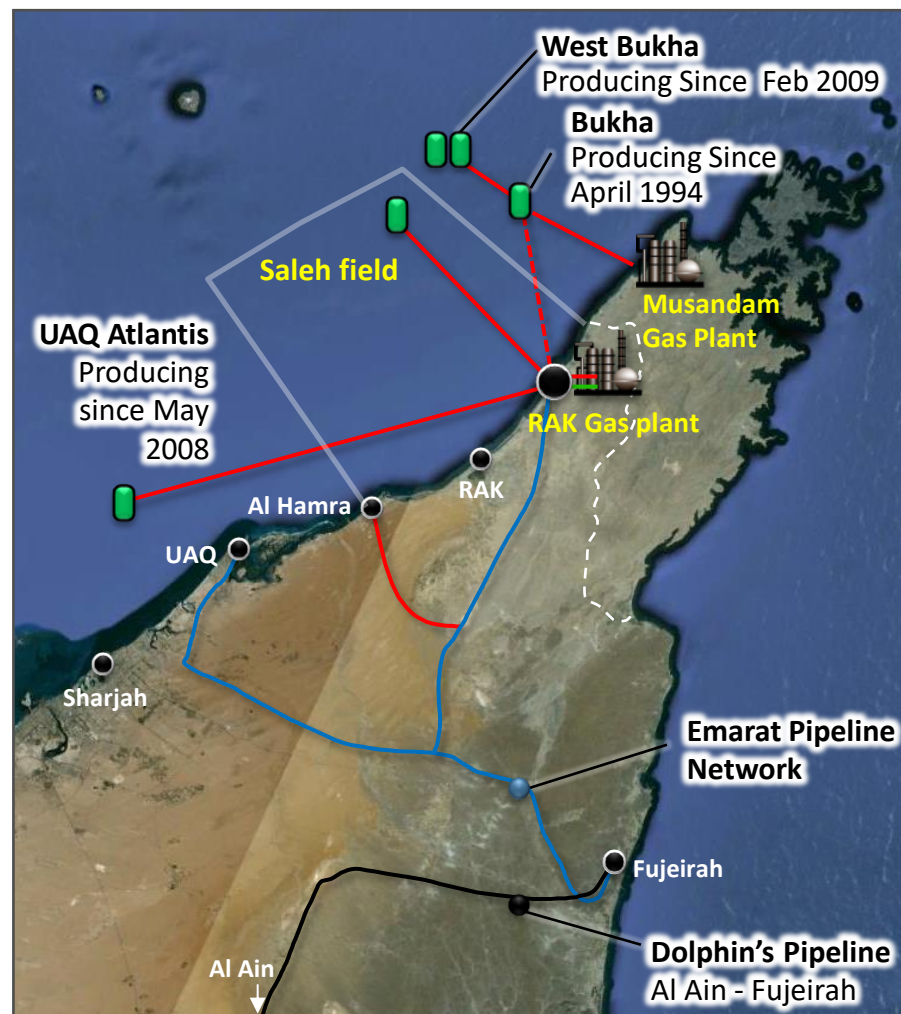


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# Fields and Facilities



- A well developed HC export infrastructure network.
- Available ullage in RAK Gas owned pipelines.

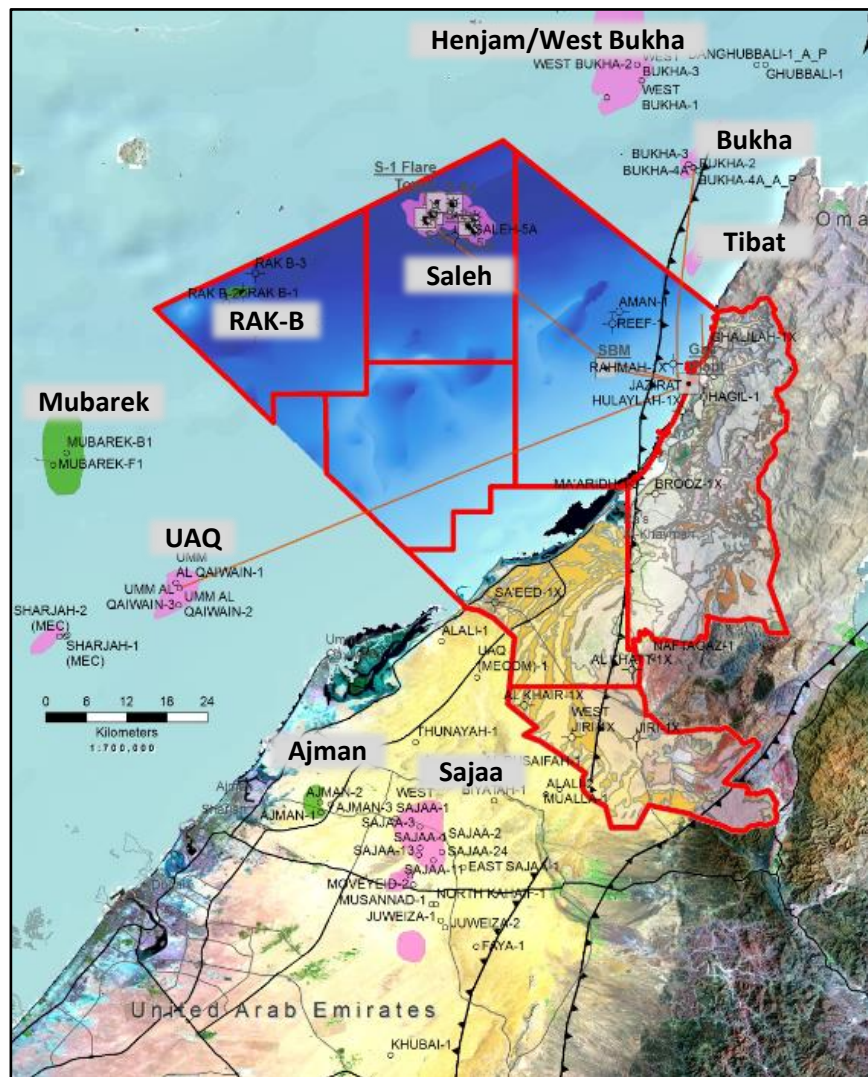






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# Ras Al Khaimah and surrounding fields



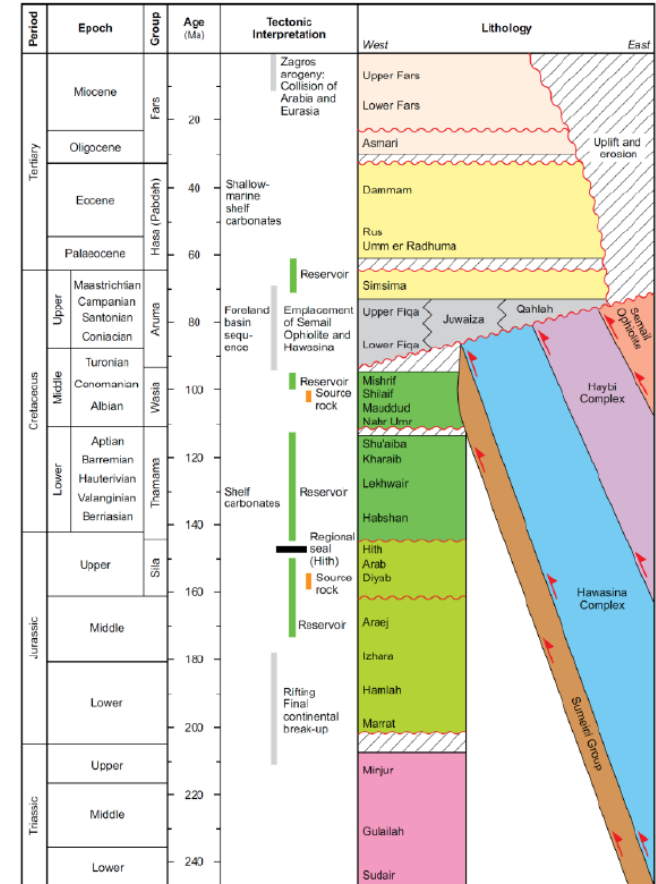
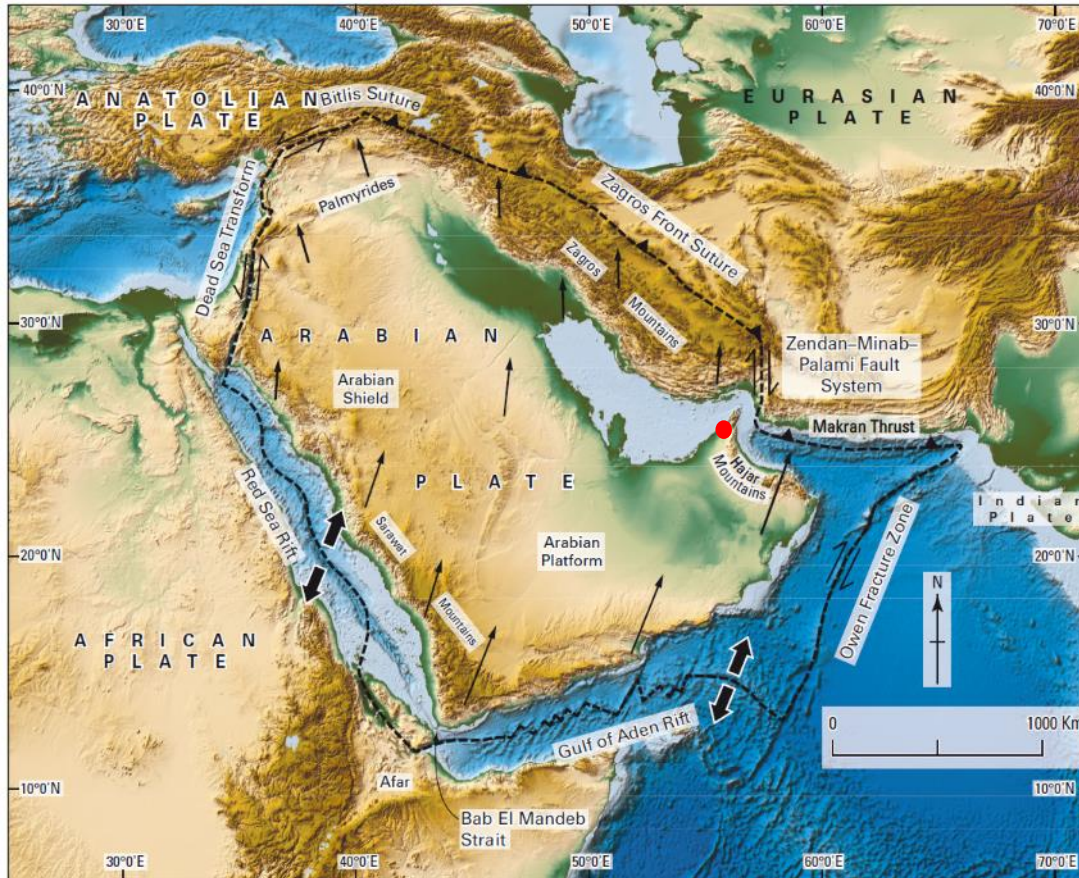
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# The Arabian Plate-BGS, 2014

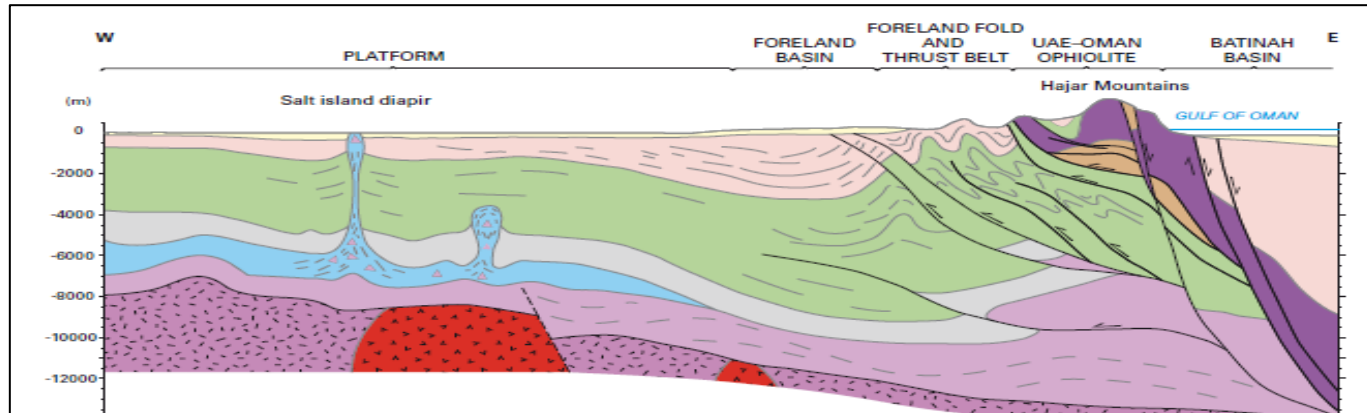




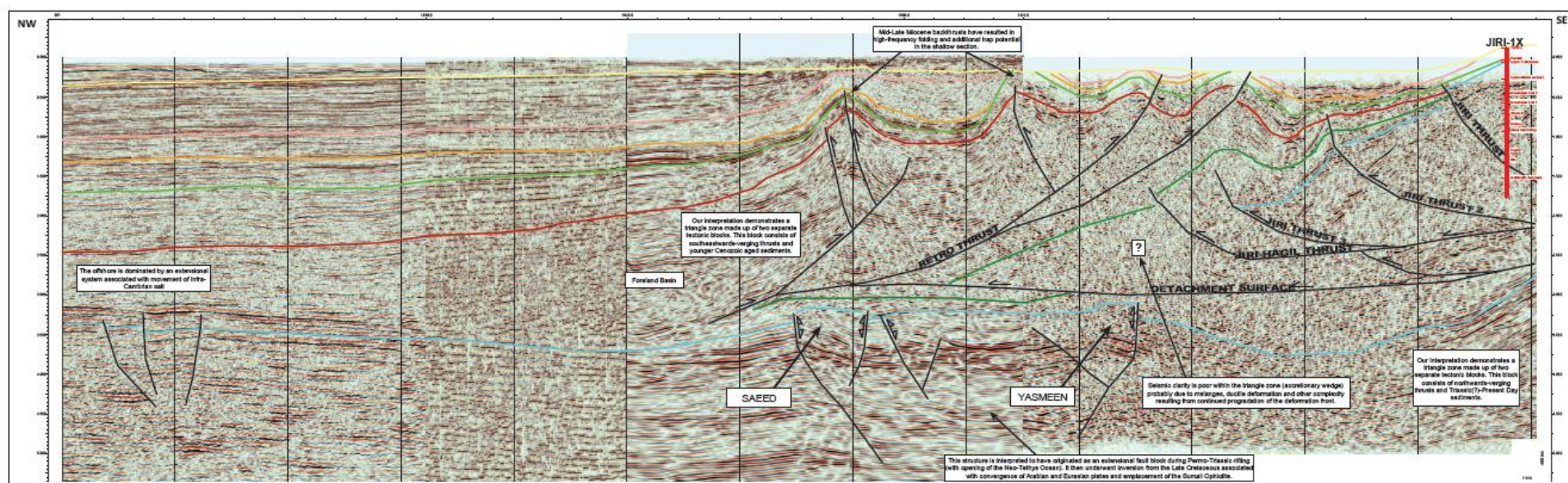


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# Regional cross-section



BGS, 2014



Extension (salt-related) - Offshore Areas

Re-activation

Compression-Onshore to Shallow Offshore



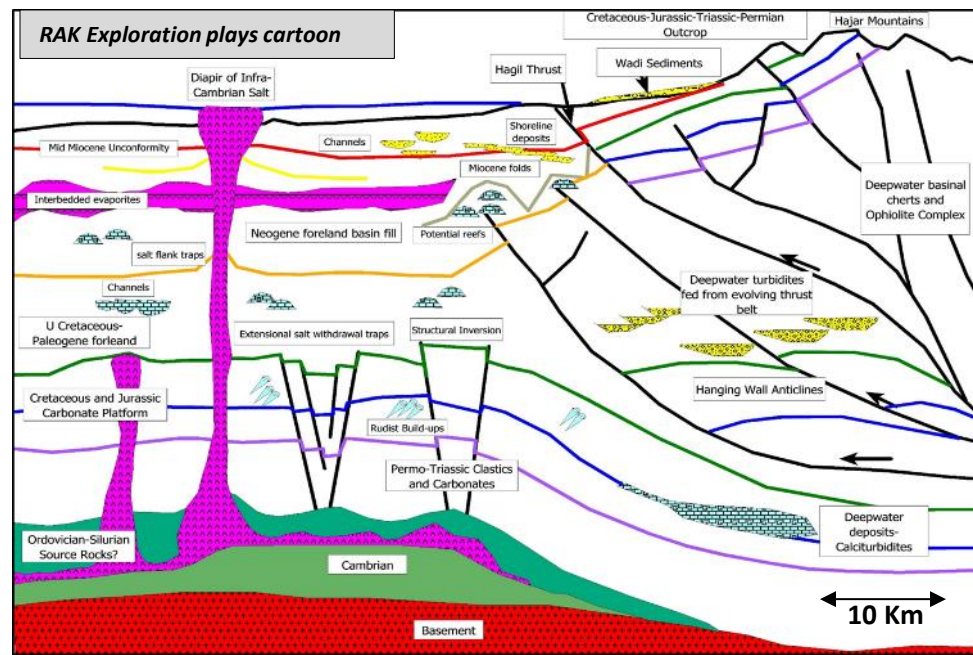
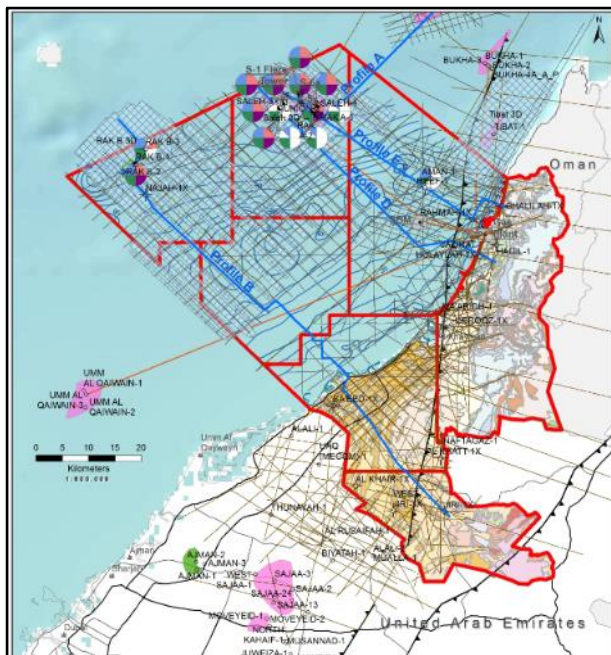
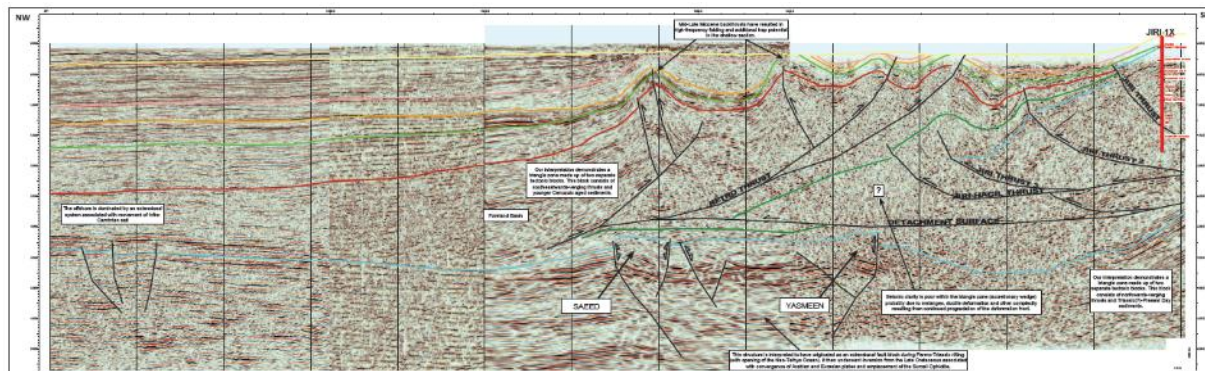


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# Exploration Portfolio rejuvenation



- Use Play Based Exploration (PBE), to build a rejuvenated Exploration Portfolio.
- RAK complex geology, unique in UAE, creates multiple play opportunities.
- All studies available in the RAK 2018 DataRoom.







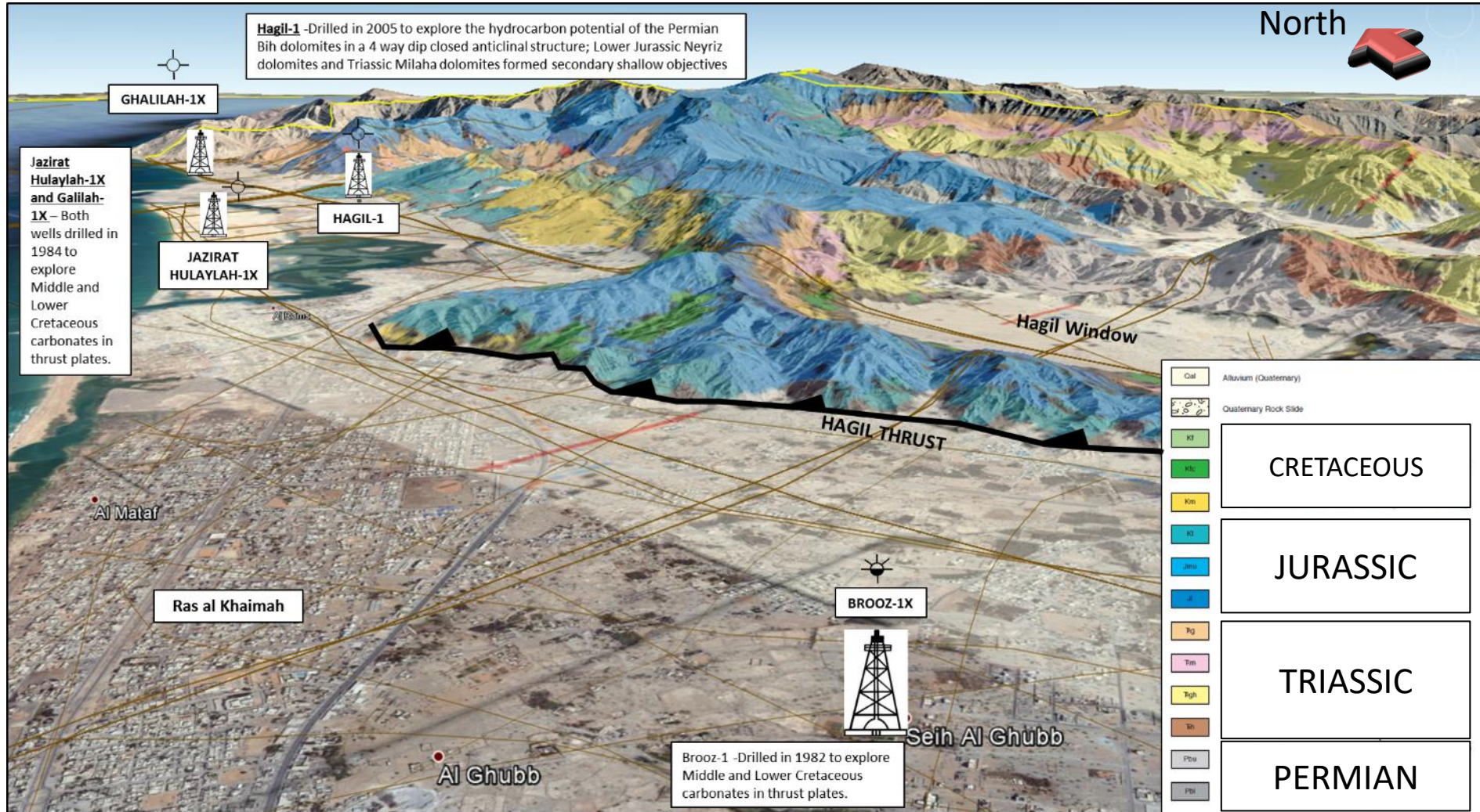




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# RAK Onshore : Large inverted structures



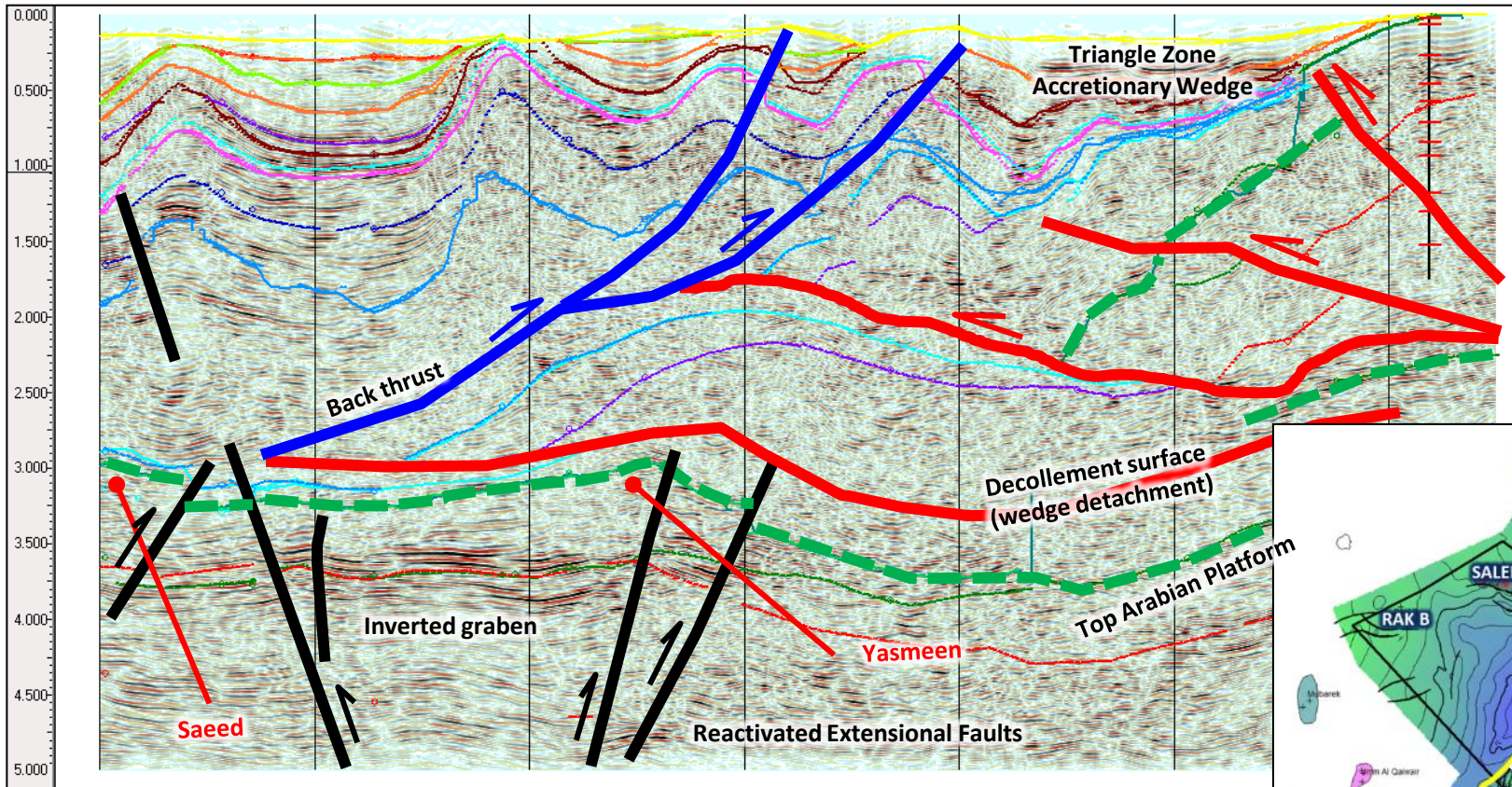




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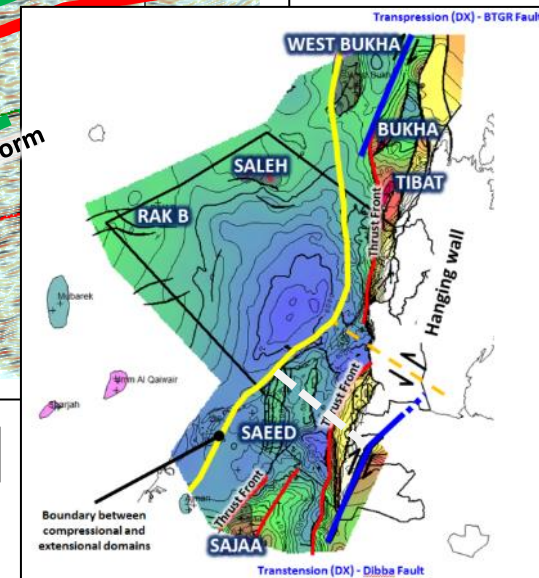
# Onshore : Inverted Graben and Shallow DHI's



NW

RKL-83-27

SE

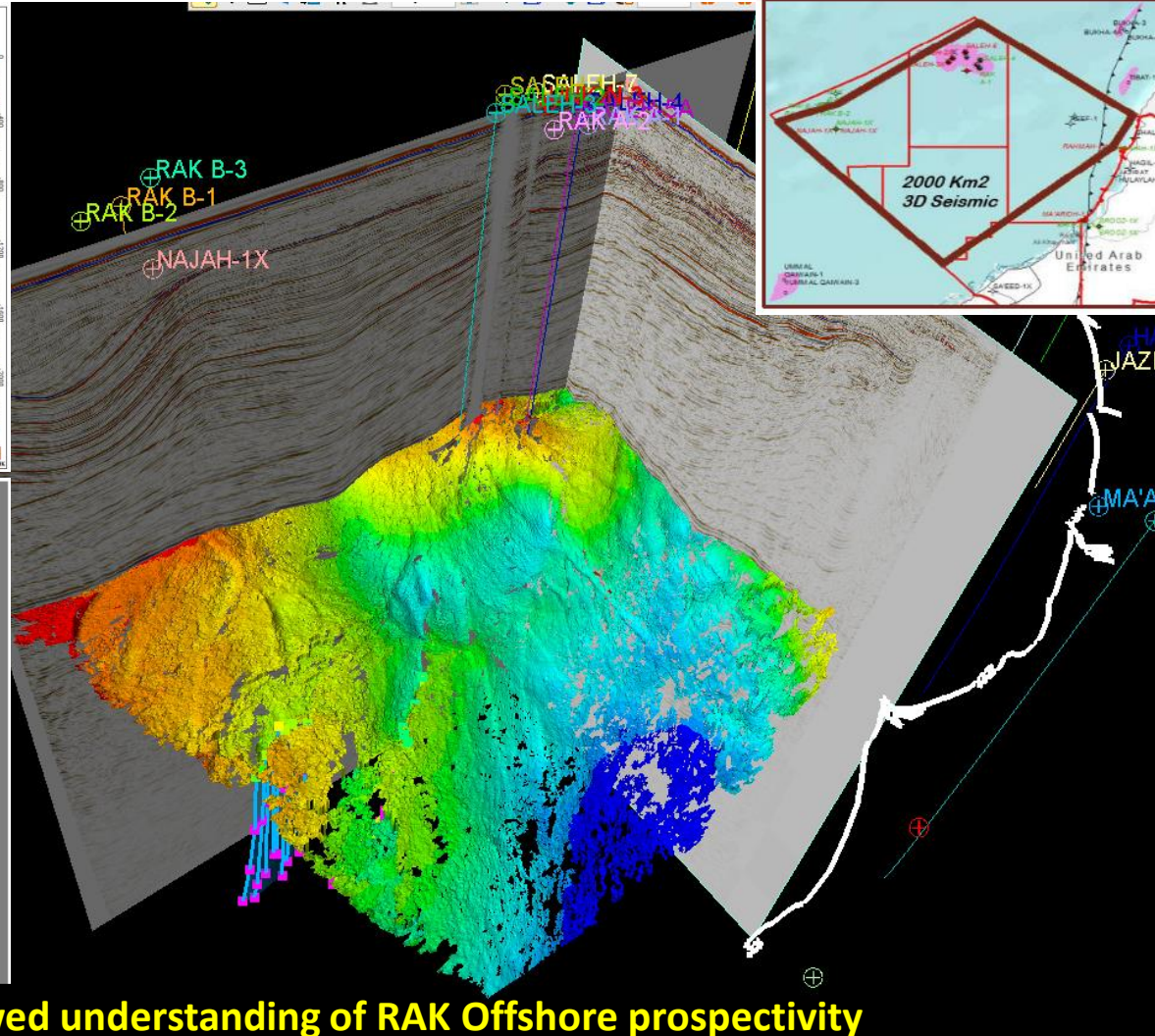
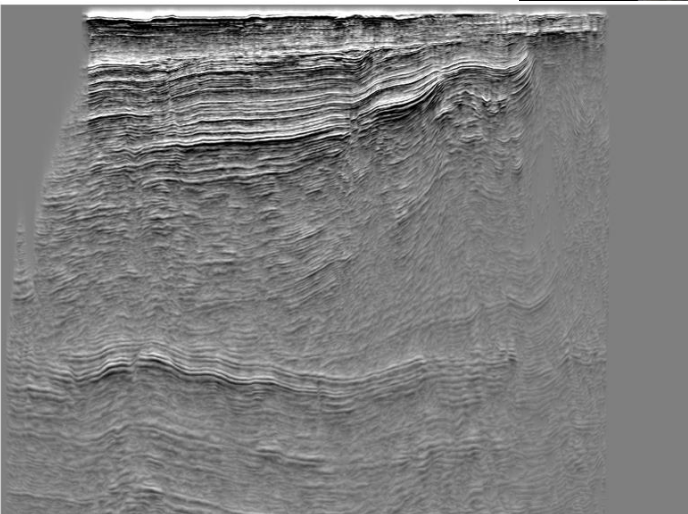
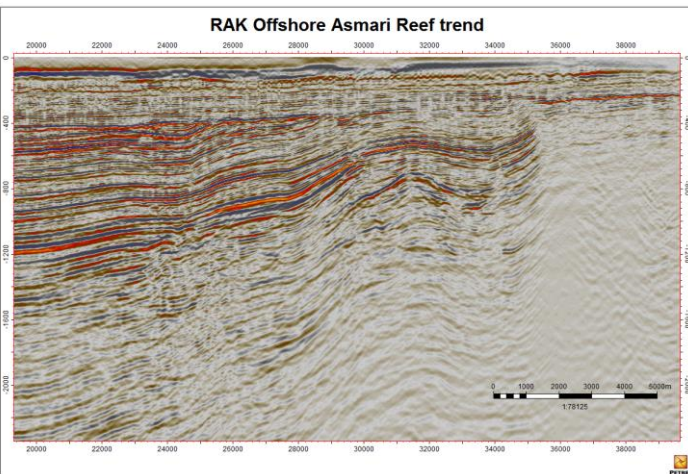






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# Offshore : New 3D seismic as a Game Changer



**A renewed understanding of RAK Offshore prospectivity**





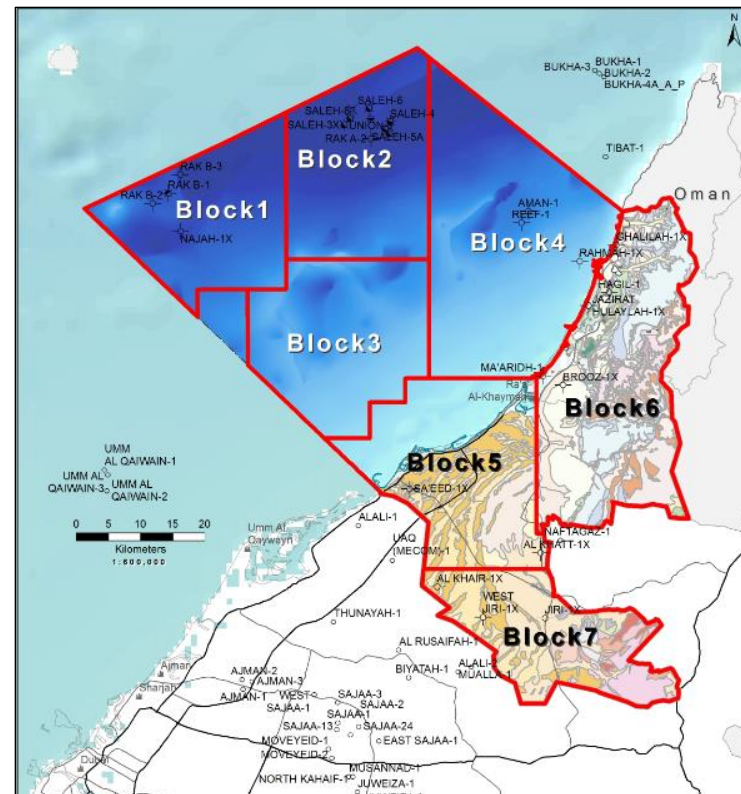
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# ***Thank You***

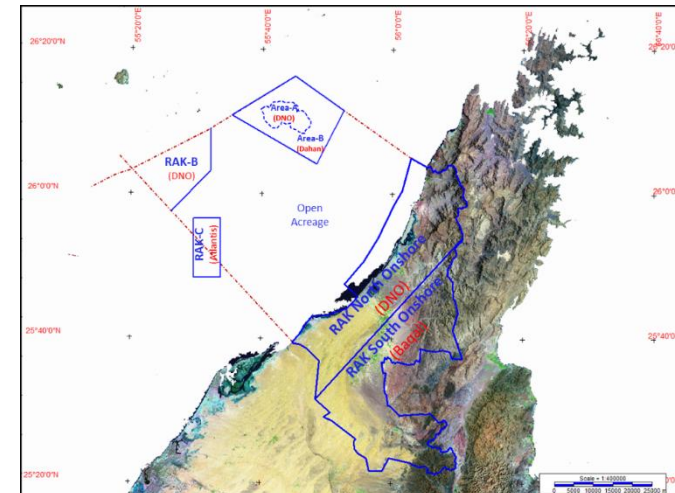




# Ras Al Khaimah O&G : A brief Summary

- **Historically** gas production has come from **Saleh, Bukha, UAQ field, and West Bukha**
- Today Saleh is shut in, Bukha and West Bukha have been diverted to Musandam Gas Plant, UAQ field is in significant decline
- 2015 – licenses held by DNO (RAK B, Saleh, RAK Onshore), Baqal (Onshore block), Dahan, (offshore Block), Atlantis (RAK C)
- 2016-2017 – systematically returned all licenses to the government except for RAK C
- **Today** gas is supplied to RAK from **three major sources**:
  - **Dolphin** gas pipeline transporting natural gas from Qatar to UAE and Oman (**~70%**)
  - **Umm al Quwain field** (**~17%**)
  - MGP in **Oman** (**0-12%**).
- Potential of Oil & Gas Natural resources in Ras Al Khaimah has not been fully explored. Preparatory activities for a new Off-shore exploration round have been commenced.

## License Status in 2015

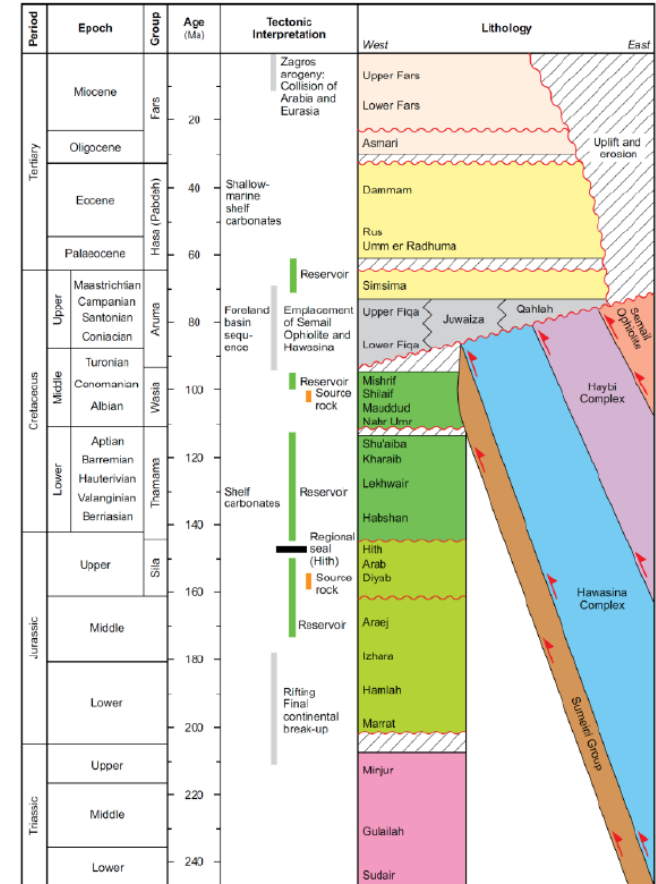
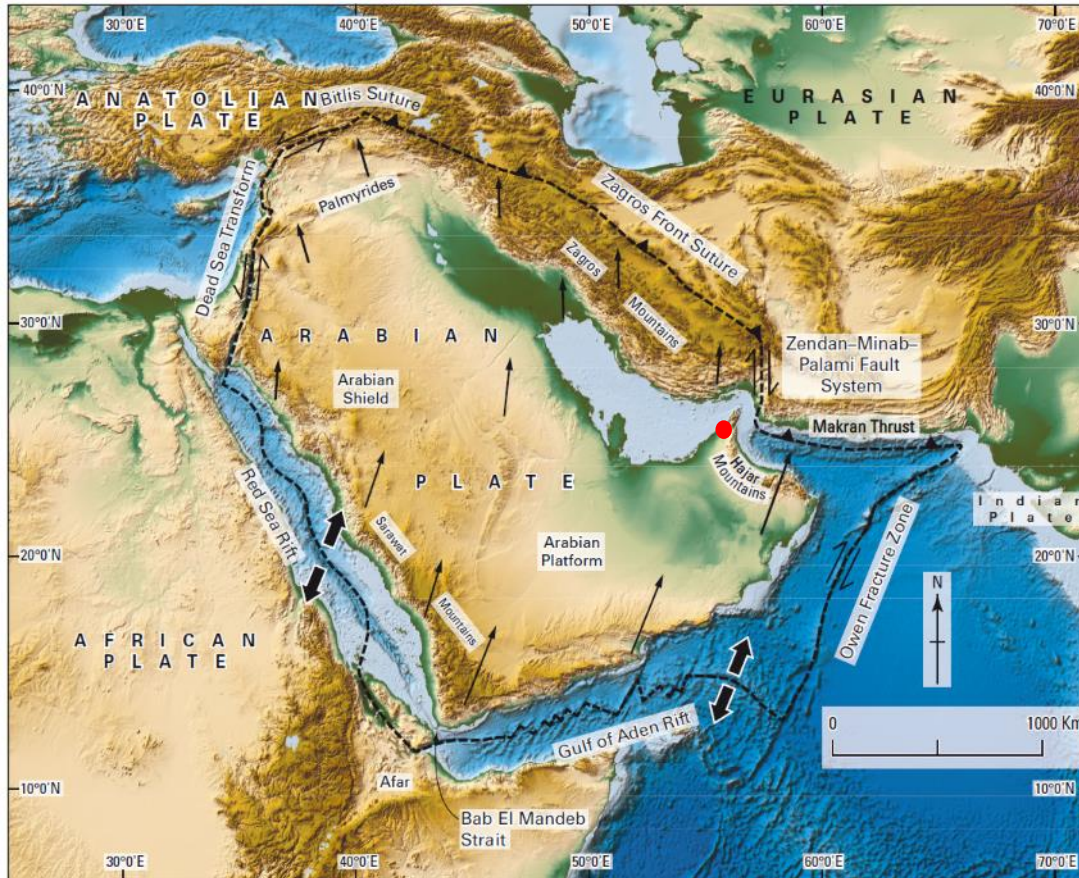






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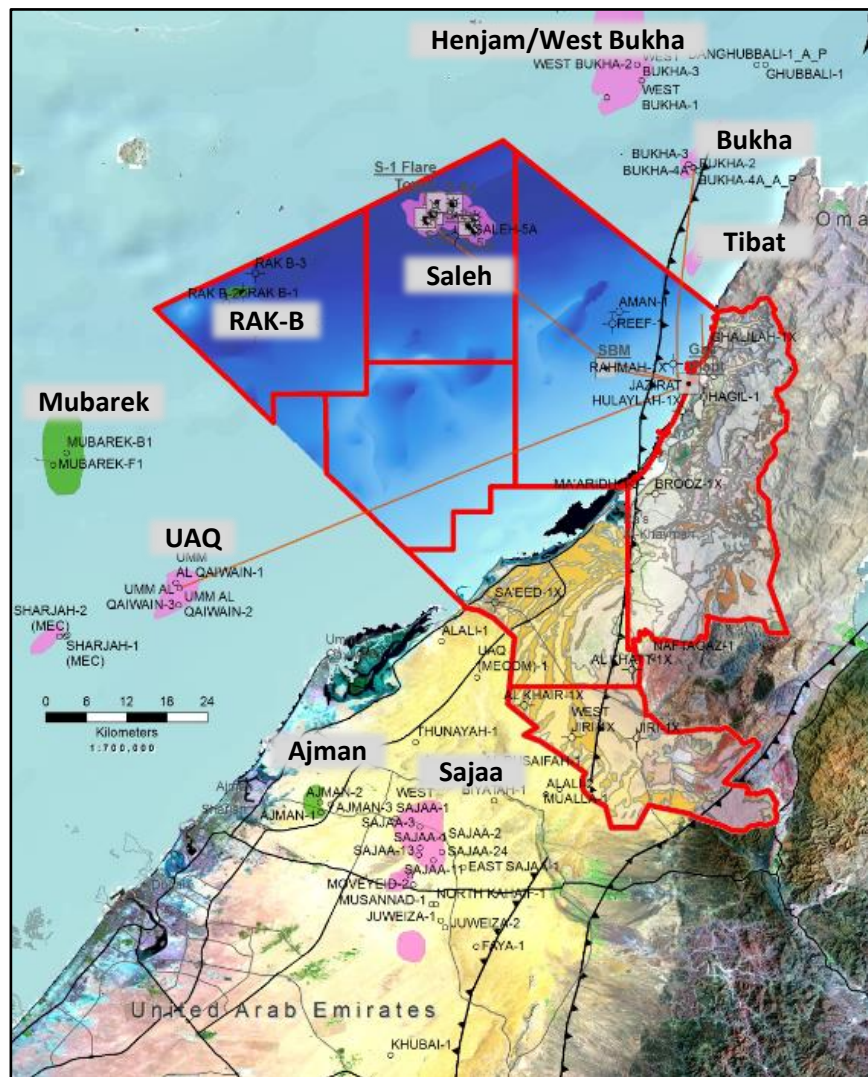






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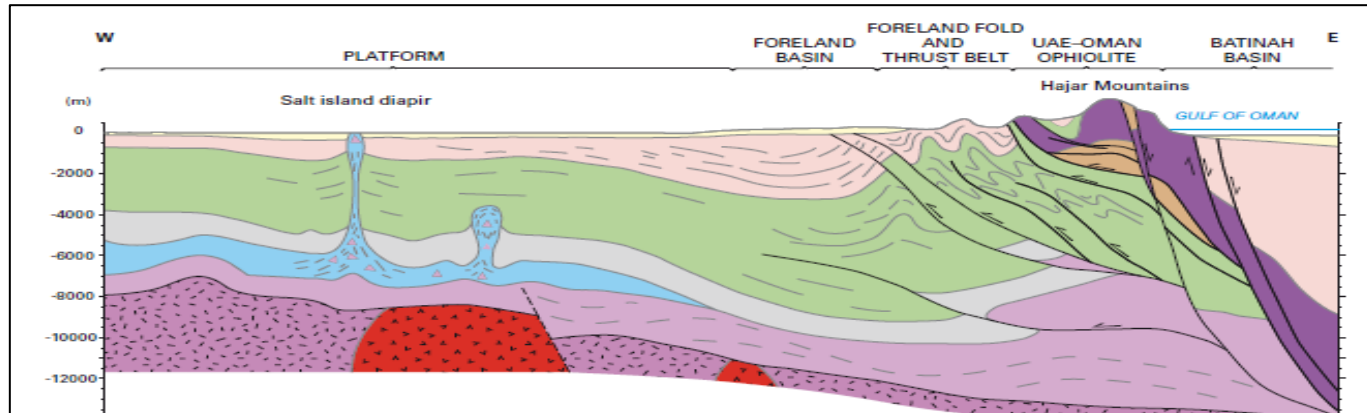
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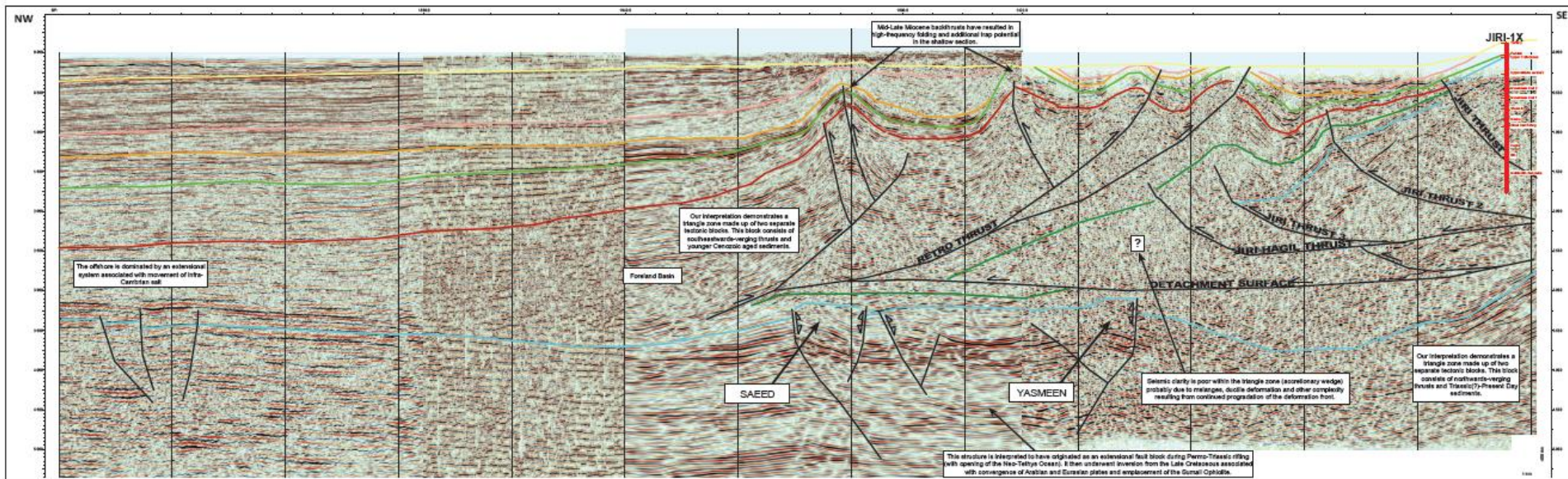


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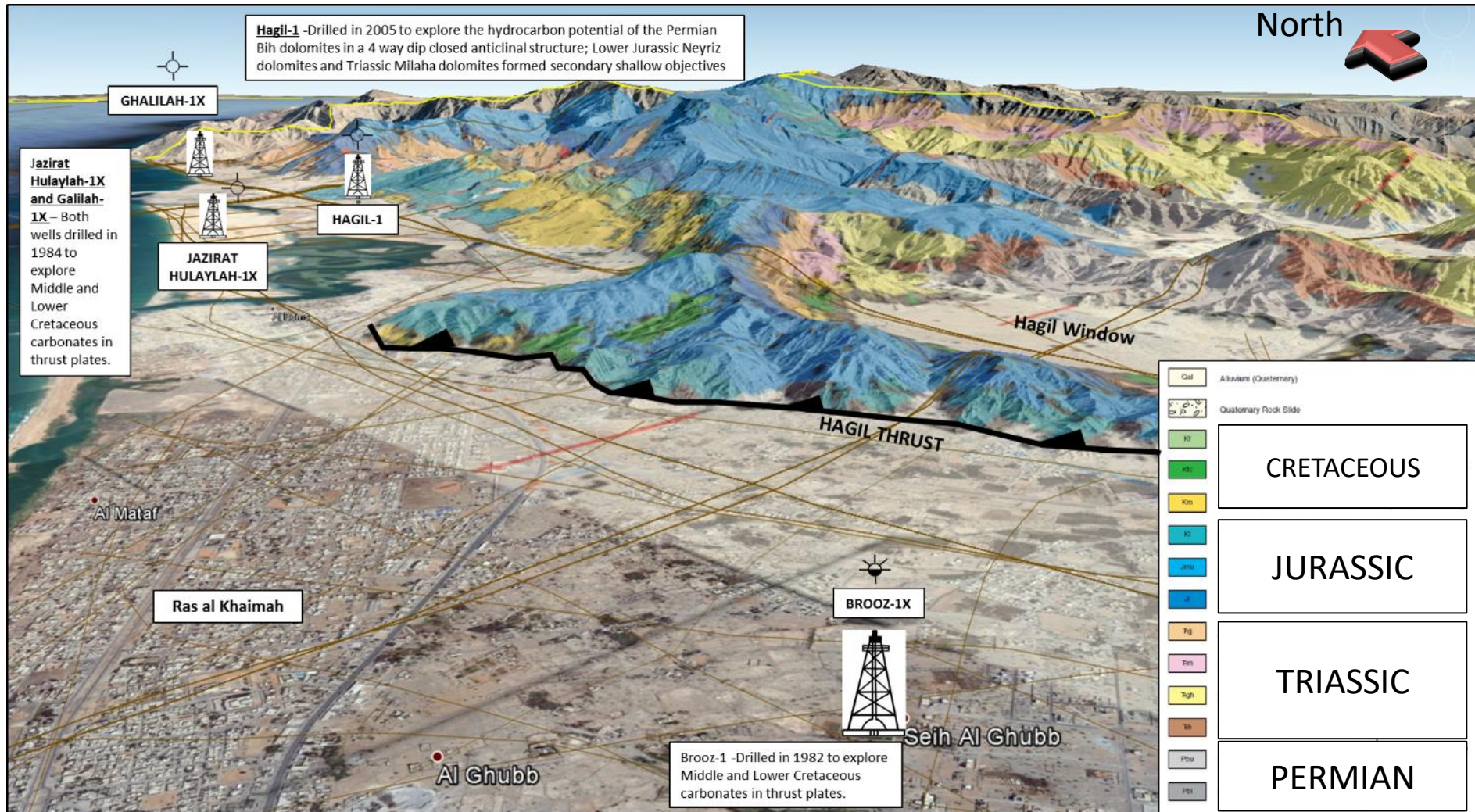




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# Regional Saleh Line: Different trapping styles







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# Understanding the tectono-stratigraphy and trap types

