Egypt’s West Mediterranean Sea
A New Opportunity

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Outline

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- Activities in the East Mediterranean Sea
- Egypt’s West Mediterranean Sea
  - Regional overview
  - Lead types
  - New geophysical program
- Summary
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Zohr Discovery

- 30Tcf, the largest gas discovery in the Mediterranean
- 1,450m, water depth
- 4,131m, total well depth
- 630m HC column in Miocene carbonates
- Satellite structure of the Eratosthenes High
- Biogenic gas charged from Tertiary source
- Can a new giant be discovered elsewhere in Egypt?

Bertello et.al., 2014
Egypt’s West Mediterranean Sea

- Herodotus Basin
- Matruh Canyon
- Hinge Zone/Shelf area

[Map showing geographical areas with labels and scale]
Regional 2D Line

- Regional geosection showing the main sequences in the Hinge Zone and the Herodotus Basin.
- Based on Legacy 2D data.
Lead Types

Matruh Canyon Rafts

Pre-Salt Structures

Hinge Zone Closures

Basal Pliocene Sandstones
Pre-Salt Structures

- Zohr discovery in Pre-Messinian structure (Carbonate)
- Expected to be charged laterally by biogenic gas
- Pre Messinian structures in Egypt’s West Med:

  ➢ Similar temperature window, thus similar window of biogenic gas generation
  ➢ Lateral charge possible due to long distance unconformities
  ➢ Sealed by Messinian Salt
  ➢ Need denser seismic data grid to assess the area

Basin floor fans and turbidites of Late Miocene age sourced from Nile Delta.
  ➢ Sub-salt sandstone reservoirs
  ➢ Possible extension towards west and north
New Geophysical program plan

Herodotus Fold Belt

Herodotus Basin

Hinge Zone/Shelf Area
Summary

- Exciting times in the East Mediterranean with the 30 Tcf Zohr discovery in Egypt’s Shorouk deep water exploration block.

- A new exploration opportunity in Egypt’s West Mediterranean Sea.
  - New MC2D data to be acquired in an area of 80,000 sq.km
  - Identified sub-salt structures
  - Reprocessing of legacy 2D data ongoing
  - Data assessment and exploration block delineations
  - Licensing round in 2017 (Tentatively)
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