Ionian Sea/South of Crete – Greece – 2012-2013

**GRE 2012 Reprocessed 2D GeoStreamer®**

Reprocessed regional seismic 2D offshore west and south of Greece

The 12,500 km survey was acquired in cooperation with the Ministry of Greece. The data covers all exploration blocks containing potential leads and formed the basis for offshore licensing rounds.

The petroleum system is demonstrated by the Katakolon and other oil discoveries in Albania and Italy. Identified traps are sub-thrusts, salt related and stratigraphic. The source rocks include Triassic and Jurassic-Cretaceous shales. Reservoirs consist of clastic and carbonate strata.

The GeoStreamer data is the ghost-free broadband solution resolving structural details in the shallow and allowing greater penetration and deeper imaging. It has allowed a confident delineation of the stratigraphy and the various play types in the dynamics of evaporites, carbonates and clastics.

In partnership with:
**SURVEY SUMMARY**

- **Type:** 2D
- **Geostreamer:** Yes
- **Geometry:** Standard
- **Size:** 12,500 km
- **Acquisition year:** 2012-2013
- **Completion of processing:** 2018
- **Reprocessed:** Yes
- **Water depth:** 50-3,000 m
- **Shooting direction:** Strike, dip
- **Vessel:** Nordic Explorer
- **In partnership with:** The Hellenic Ministry of Energy

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**ACQUISITION PARAMETERS**

- **Number of streamers:** 1
- **Streamer length:** 10,050 m
- **Shot interval:** 25/37.5 m
- **Record length:** 9,216/14,336 ms
- **Source depth:** 569 m
- **Sample rate:** 2 ms
- **Bin dimensions (Acquisition):** 12.5 m
- **Bin dimensions (Processing):** 12.5 m
- **Fold:** 201/134

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**PROCESSING AND DELIVERABLES**

**Processing:** P-UP generation, 2D surface related multiple elimination (SRME), High resolution radon demultiple, Kirchhoff prestack time migration (PSTM), Kirchhoff prestack depth migration (PSDM)

**Depth products:** Final Kirchhoff PSDM stack, PSDM gathers, PSDM Angle Stacks

**Time products:** Navmerge P-UP shot gathers, Post-demultiple shot gathers, Final regularized CMP gathers, Final KPSTM CIG's, Raw Angle stacks KPSTM, Raw Full stack KPSTM, Final Angle stacks KPSTM, Final Full stack KPSTM, Navigation data, Velocity model

**Additional products:** Gravity, Magnetics, Interpretation

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