

Europa Oil & Gas (Holdings) plc / Index: AIM / Epic: EOG / Sector: Oil & Gas  
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**Europa Oil & Gas (Holdings) plc ('Europa' or 'the Company')**  
**Two large prospects identified on Irish Atlantic Margin Licensing Options**

Europa Oil & Gas (Holdings) plc, the AIM listed oil and gas exploration, development and production company focussed on Europe, is pleased to provide a technical update on its 100% owned Licensing Options ('LO'), LO 11/07 and LO 11/08, located in the highly prospective South Porcupine Basin, in the Irish Atlantic Margin, covering a total area of approximately 2,000 sq km. This update includes details of two large, previously unknown prospects identified on Europa's acreage.

**Overview:**

- Two sizeable prospects, Mullen in LO 11/07 and Kiernan in LO 11/08, identified in the lower Cretaceous clastic play of the Irish Atlantic Margin - a play proven by the Burren oil discovery
- Seismic mapping shows potential for large stratigraphic closures of up to 120 sq km in size in the case of Mullen and 244 sq km in the case of Kiernan
- Both prospects supported by amplitude anomalies identified on 2-D seismic data
- Detailed mapping shows the development of a possible mechanism for trapping hydrocarbons
- Studies indicate potential for an additional lower Cretaceous source rock as well as the proven Jurassic source rock
- Reprocessing of key seismic lines over both prospects is in progress and will be followed by a rock physics and 2-D inversion study to calibrate the seismic response
- Discussions with potential joint venture partners for both licences are on-going

Europa's CEO, Hugh Mackay commented, "Having identified two large structures in the Irish Atlantic Margin, our initial technical work and prospect mapping exercise has exceeded our expectations. Combined with the presence of a functioning hydrocarbon system, as indicated by the Burren oil discovery, the size of these structures is tremendously exciting and warrants further priority investigation. We have embarked on a work programme that will provide volumetric estimates in due course and further mature the technical case of these prospects. We look forward to presenting the prospects at the Ireland Atlantic 2012 Conference in Dublin on 12 November 2012.

"In the meantime, we continue to work towards progressing all of our licences, including Berenx Deep, the large gas appraisal project in onshore France, which has a net mean contingent resource of 277 bcf as estimated in the recent competent person's report. Elsewhere, work is on-going in anticipation of drilling either our Wressle or Broughton prospects in the UK early next year, each of which we rate as having a one in three chance of

increasing our current production of 200 boepd. I look forward to providing the market with further updates on our progress in due course as we look to deliver on our goal to generate substantial value for shareholders.”

### **Further Information**

Europa was awarded a 100% equity interest in Licensing Options 11/07 and 11/08 in November 2011 as part of the 2011 Irish Atlantic Margin Licensing Round. The Licensing Options cover two four-block parcels in the Porcupine Basin and have a total area of approximately 2,000 sq km. Both areas are situated off the west coast of Ireland on the margins of the Porcupine Basin in water depths of between 700m and 2,000m in Quads 43 and 54. Previous drilling in the basin led to the discovery of Connemara, Spanish Point and Burren, providing evidence for the existence of a viable petroleum system. The Company’s current focus is to understand the potential of the large Cretaceous stratigraphic traps in the Mullen and Kiernan prospects.

The Mullen prospect lies in approximately 1,000 metres water depth with the Lower Cretaceous reservoir targets lying at a depth of approximately 3,850m below mean sea level (‘bmsl’). Mullen is located approximately 200km off shore from SW Ireland, approximately 140km SSW from the Lower Cretaceous Burren oil discovery, 35/8-1 and approximately 50km NW from the ExxonMobil-operated Dunquin exploration prospect which is due to be drilled Q1 2013.

Seismic mapping conducted by Europa shows potential for a large stratigraphic closure of up to 120 sq km. Possible flat spot direct hydrocarbon indicators, in the form of reduced amplitudes, have been observed in the down dip direction. In addition, seismic reflectors have demonstrated potential channel geometries. These are interpreted to be deep water turbidite channels of Aptian age associated with a local uplift event on the basin margin. The sand provenance is considered to be from the Porcupine High to the west. Detailed mapping shows the development of a possible mechanism for trapping hydrocarbons as there are strong indications of channels pinching out up dip. These sands are demonstrated locally by well 43/13-1, drilled by BP in 1988, c. 20km away.

The Kiernan prospect lies in approximately 1,780 metres water depth with the Lower Cretaceous reservoir targets at a depth of approximately 6,000m bmsl. Kiernan is located approximately 145km off shore from SW Ireland, approximately 200km SSE from the Burren oil discovery and approximately 65km SE from the ExxonMobil-operated Dunquin exploration prospect that is due to be drilled in Q1 2013.

Mapping shows potential for a large stratigraphic closure of up to 244 sq km. Possible flat spot direct hydrocarbon indicators, in the form of reduced amplitudes, are observed in the

down dip direction. In addition, seismic reflectors demonstrate potential channel geometries which are interpreted to be deep water turbidite channels of Vallanginian age associated with a local uplift event on the basin margin. The sand provenance is considered to be the Old Red Sandstone of South West Ireland. Detailed mapping shows the channels to onlap the basin margin, providing a possible trapping mechanism for hydrocarbons.

Reprocessing of key seismic lines over both prospects is currently in progress. This will be followed by a rock physics and 2-D inversion study to calibrate the seismic response. Europa is seeking a joint venture partner for both licences and a data room at its offices in London has been opened.

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For further information please visit [www.europaoil.com](http://www.europaoil.com) or contact:

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## **Notes**

Europa Oil & Gas (Holdings) plc has a diversified portfolio of multi-stage hydrocarbon assets that includes production, exploration and development interests, in countries that are politically stable, have transparent licensing processes, and offer attractive terms. The Company currently produces approximately 200 boepd in the UK, generating sufficient revenues to cover corporate overheads. In addition, it has highly prospective exploration projects in the UK, Ireland France and Romania, the most significant asset being the Berenx gas appraisal project in onshore France.

## **Qualified Person Review**

This release has been reviewed by Hugh Mackay, Chief Executive of Europa, who is a petroleum geologist with 29 years' experience in petroleum exploration and a member of the Petroleum Exploration Society of Great Britain and American Association of Petroleum Geologists. Mr Mackay has consented to the inclusion of the technical information in this release in the form and context in which it appears.