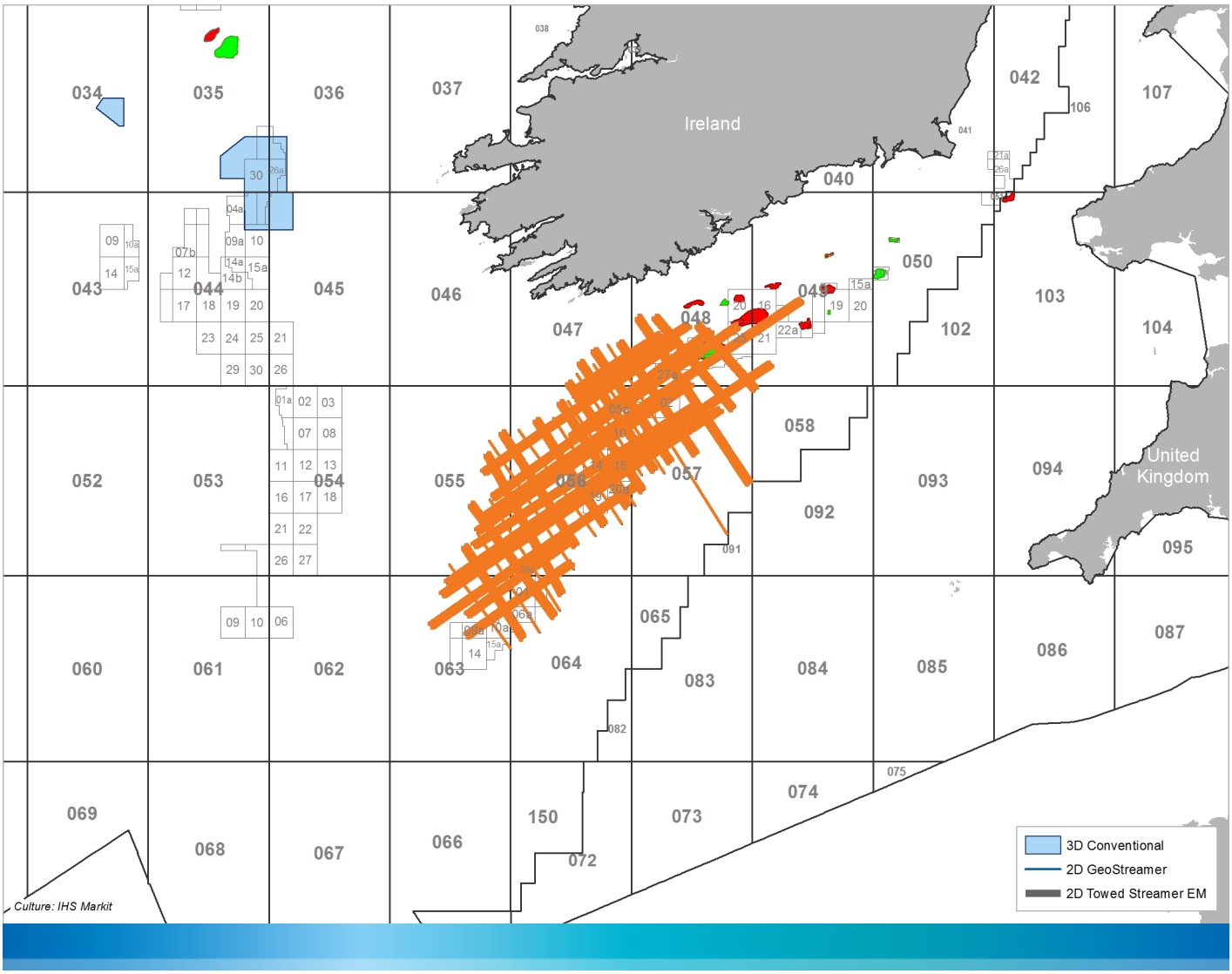

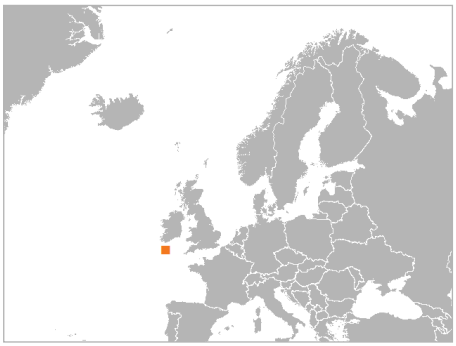

South of Ireland – Ireland – 2013

FNT2013 2D GeoStreamer

Combined GeoStreamer and EM acquisition in the Celtic Sea

The FNT2013 survey covers the under-explored Celtic Sea with combined GeoStreamer and Towed Streamer EM data. The survey illuminates deep targets and defines key structures, with ties to key wells and fields such as Barryroe, Kinsale Head, Schull and Seven Heads.

This area was subject to a Jurassic to Early Cretaceous rifting event. A pervasive shallow Chalk limestone is present throughout. Prospectivity is mainly focused on sub-Chalk structural plays, with a main Cretaceous source rock, and additional source rock potential in the Jurassic.

The combination of GeoStreamer and Towed Streamer EM technology makes this dataset an excellent tool for further exploring this frontier area. Major improvements on vintage data include: well imaged sub-Chalk basin flanks and structures, with sharp imaging of pre-Cretaceous reflectors.

FNT2013 2D GeoStreamer

SURVEY SUMMARY

Type: 2D
Geostreamer: Yes
Geometry: Standard
Size: 3 478 km
Acquisition year: 2013
Completion of processing: 2014
Water depth: 90-140 m
Shooting direction: Dip and strike
Vessel: Nordic Explorer

ACQUISITION PARAMETERS

Number of streamers: 1
Streamer length: 8 100 m
Shot interval: 18.75 m
Record length: 7 680 ms
Source depth: 7 m
Sample rate: 2 ms
Bin dimensions (Acquisition): 6.25 m
Bin dimensions (Processing): 12.5 m
Fold: 216

PROCESSING AND DELIVERABLES

Processing: GeoStreamer wavefield separation, Optimal multiple attenuation, 3D anisotropic Kirchhoff pre-stack time migration, Bandwidth enhancing post-stack processing

Time products: EM frequency responses, 2.5 unconstrained EM inversion

Additional products: Electromagnetic horizontal bipole, Magnetics

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