Overview

Boaz is located within the South Viking Graben and immediately adjacent to the UK/Norwegian median line and the Eirin Field, which is currently being developed by Statoil as part of the wider Gina Krog Field development. The block is covered by high quality 3D Geostreamer seismic data, acquired in 2013 and used in Azinor's evaluation of the prospect.

The area is structurally dominated by the Brae fault system with half graben geometries in Triassic and Jurassic stratigraphy. A highly prolific oil and condensate generating kitchen is located on and adjacent to the block. There are multiple proven productive reservoirs in the area on both sides of the UK/Norway median line.

The primary target on the block is the Triassic Skagerrak Formation, comprising thick and well developed fluvial braid plain deposits, proven by numerous well penetrations in adjacent Norwegian acreage to the east.

Mapping shows Triassic rocks to progressively truncate beneath the mid-Cimmerian Unconformity eastwards out of the Viking Graben. The mid-Triassic Skagerrak Formation reservoirs mapped at Boaz have been locally removed from the Eirin fault block.

Opportunity Highlights

- Large undrilled Triassic gas condensate prone tilted fault block
- Adjacent to good quality infrastructure with multiple export options
- Gross recoverable resources 242 MMboe (Pmean), with upside of 544 MMboe (P10)
- New 3D Broadband Geostreamer seismic indicates potential hydrocarbons on structure
- Exploration well planned for 2019
- Azinor Catalyst holds 100% operated interest; material equity is available

Location Map

Structural Elements
The adjacent Triassic fault block, located 8kms to the east, was tested by Norwegian well 15/5-2 (1978) and flowed gas condensate at a restricted rate of 11 MMscfdp. Chemostratigraphic analysis of samples from the 15/5-2 well show the Eirin reservoir to be comprised of the early Triassic Bunter Sandstone Mbr (Smith Bank Fm).

A regional rock physics study of the Triassic reservoirs has been used to invert the Geostreamer seismic dataset to impedances and generate a series of petrophysical properties: Lithology, Porosity and Permeability.

Regional studies of the Triassic reservoirs suggest that the preservation of younger, overpressured, Skagerrak Formation fluvial channel sands in the Boaz fault block provides significant potential for uplift in reservoir quality over the adjacent Eirin Discovery.

An exploration well is planned to target the Triassic Skagerrak Formation sands of the Boaz prospect to a depth of 4,770m TVDSS.

Azinor Catalyst are farming down material equity of between 50-75% on a promoted basis.

Mid Case Resources (Pmean)
GIIP 1,305 Bcf
Recoverable 242 MMboe

Top Reservoir Structure
Seismic Al Extraction

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