



GSC Open File 4572 (sheet 2 of 2)

EAST COAST BASIN ATLAS SERIES GRAND BANKS OF NEWFOUNDLAND HYDROCARBONS II

HYDROCARBON PROSPECTS AND FIELDS 2

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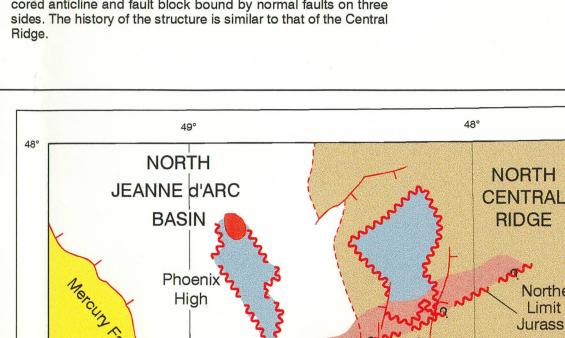
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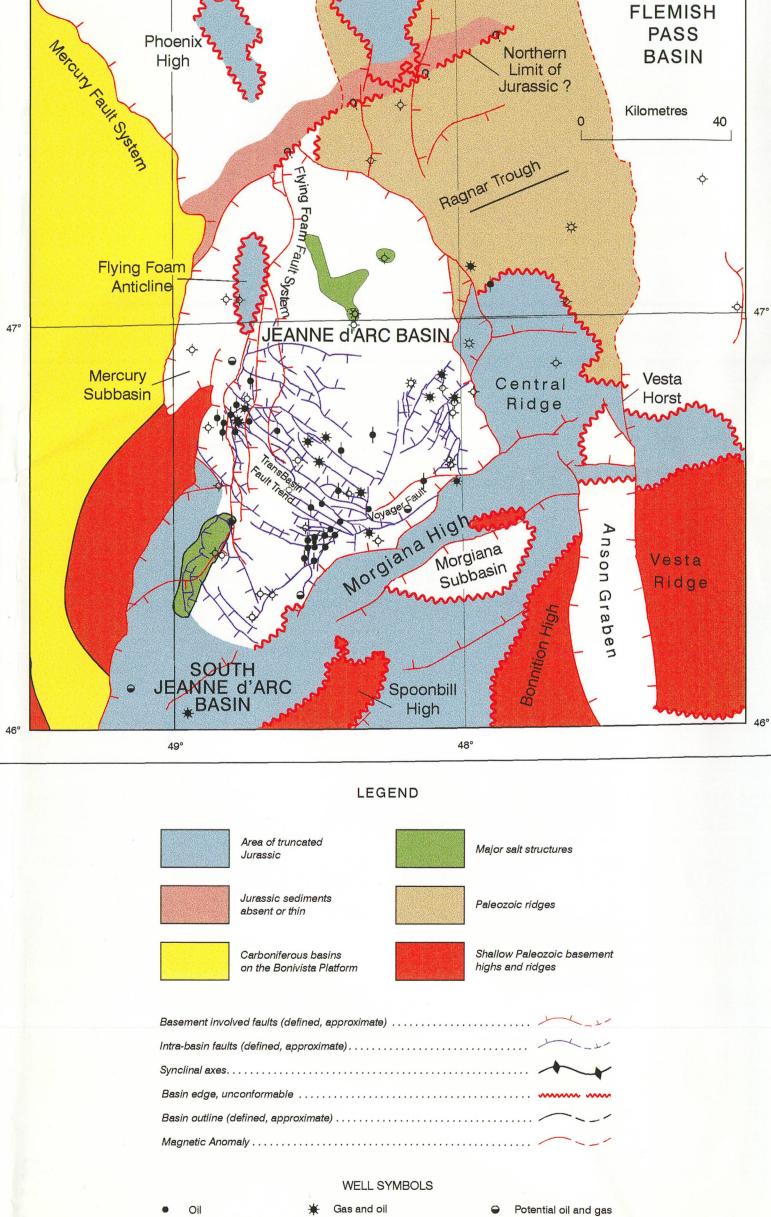
The Fortune structure (Fig. 13), also on the eastern basin margin, is a relatively simple, tilted fault block, bound to the east abutment of reservoirs against shales and limestones across by a major N-S to NE-SW-trending fault. Seismic and well data bounding faults. The Terra Nova and Trave discoveries have an indicate fault growth during both the Tithonian to early Valanginian and Aptian/Albian times. The two discoveries on the Ridge are at Trave and South Tempest. The Central Ridge, which bounds the Jeanne d'Arc Basin to the east, is a high-standing feature with a multitude of fault blocks and salt cored anticlines. This ridge initiated as a low reservoirs trap hydrocarbons. The Mara discovery is strictly a amplitude feature in the Late Jurassic to early Valanginian but was stratigraphic trap of areally restricted sandstones encased in

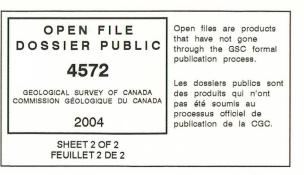
greatly uplifted and fractured in the Aptian to Albian (Sinclair, 1988). The Trave structure (Fig. 16), located along the western margin of the ridge is a southeast-tilted and truncated fault block capped by Tertiary shales. South Tempest (Fig. 12), located on the north plunge of the Central Ridge, is a series of tilted fault Note that Adolphus (Fig. 17) is classified as an oil show and is blocks, defined by a series of NE-SW trending faults which included to show its structural style. intersect with a NW-SE trending fault.

The North Dana (Fig. 15) structure at the eastern end of the Ragnar Trough is a structural low separating the Central Ridge from the North Central Ridge which is a tilted and truncated salt-cored anticline and fault block bound by normal faults on three

additional stratigraphic trapping component, with reservoir pinch-out against the southern margin in Terra Nova. In Trave the subcrop of the reservoir to impermeable Tertiary cap rocks provides the trapping mechanism. In the WhiteRose structure,







Suspended oil well

Dry and abandoned

Sheet 2 of 2 Recommended citation: Edwards, A., Sinclair, I.K., Wielens, J.B.W., And Jauer, C.D. 2004: Hydrocarbon prospects and fields, Grand Banks of Newfoundland (East Coast Basin Atlas Series), Geological Survey of Canada, Open File 4572.

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