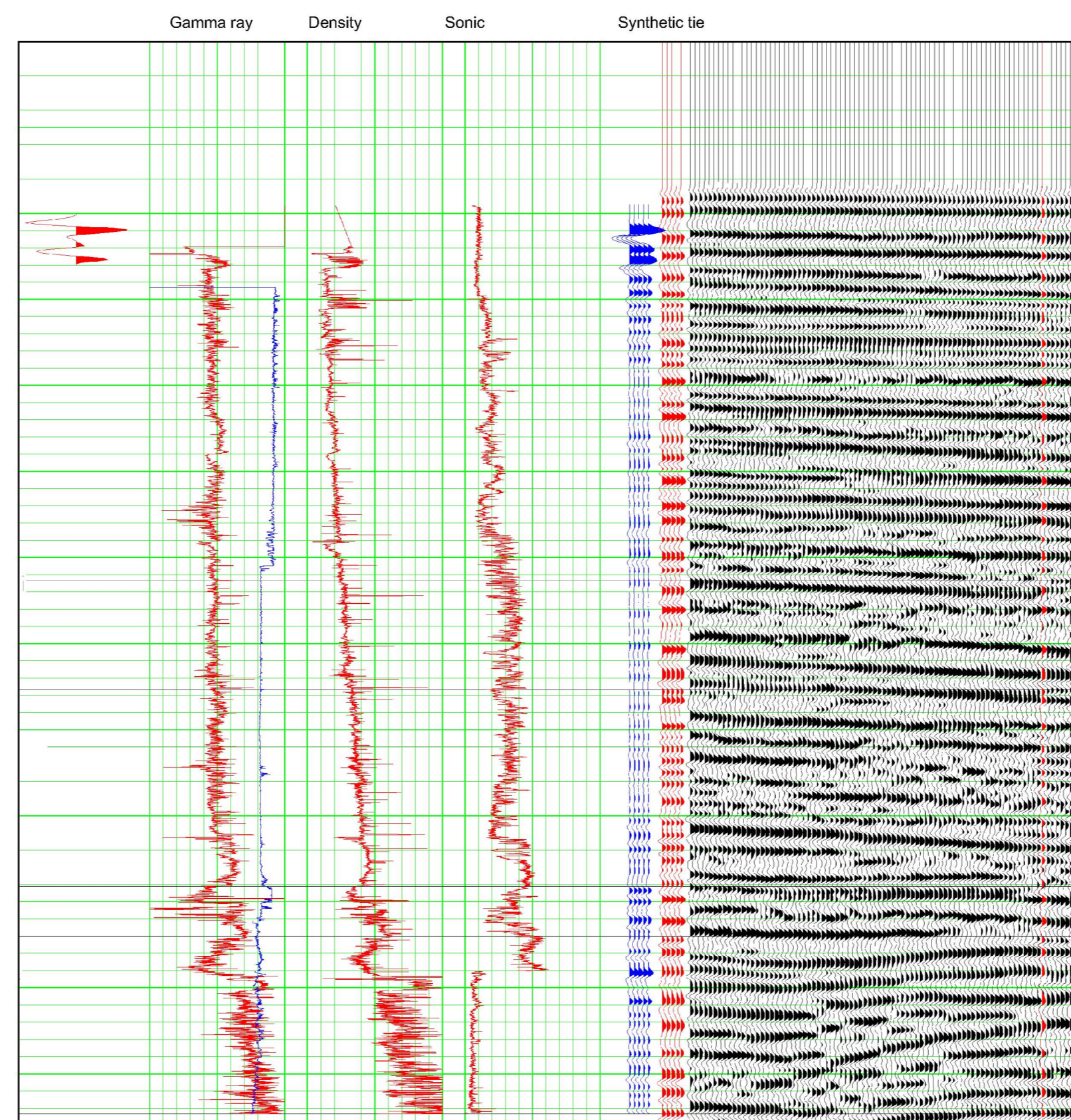
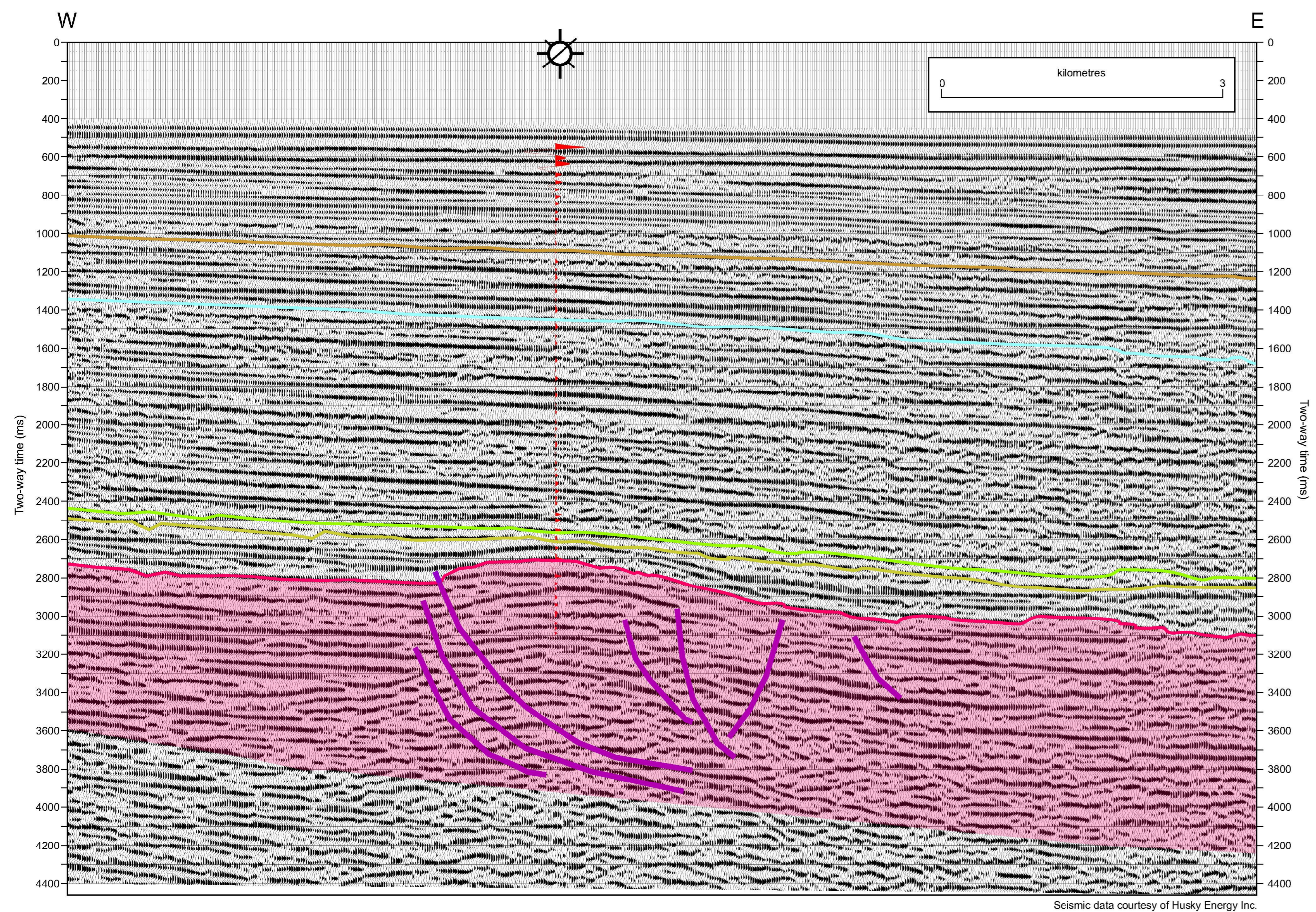


Pressure plot and petro physical analysis: The data shown in the pressure plot are all from Basin Database. Shown are in the first column the lithology; in the second one the formation names and the pressures available from mud logs and tests; in columns 3 and 4 log plots to test based on shale content from gamma ray if there are remnants of overpressures - shown as doglegs on the log plots -, and in 5 and 6 from lithological descriptions; column 7 shows maturity data from vitrinite reflectance and column 8 from Rock Eval; column 9 and 10 show the potential source rock quality; the last column shows where core has been cut and porosity measurements if available.

HEKJA O-71			
300 071 62200 62450			
Area:	DAVIS STRAIT	Oil:	UNRATED
Basin:	SAGLEK	Gas:	DISC (C)
Latitude:	62.18105	Spud date:	17-JUL-1979
Longitude:	-62.97966	Rig release:	25-OCT-1979
Well Class:	EXPLORATORY	RT:	12.5 m
Status:	P&A	Waterdepth:	350.8 m
Operator:	AQUITAINE ET AL	TD:	4566 m

The Hekja O-71 well is a significant discovery licence, now held by Husky Oil. The well tested 44 m net pay from the Gudrid sandstones with 16% porosity in a poorly sorted lower delta plain deposit of the Cartwright Formation, with a calculated drillstem test absolute openflow of 17.81 mmcf/d and flow of 17 m³/d of 54 API condensate. The gas and condensate reserves were estimated at 2.3 Tcf, although this figure has been revised downwards. Some minor differences on the lithology logs by D'Eon-Miller and Constrat can be seen. The structural control for this trap is related to the extinct Eocene rift complex that lies directly on strike offshore to the east; the complex faulting visible through the basalt section giving it the appearance of a "flower structure". Major regional faults running orthogonally to the rift axis would have created a transpressional stress regime needed for the generation of a flower structure, but there may be other explanations.



Well to seismic correlation using Hampson-Russell STRATA software

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LEGEND

Basalt

Mokkam Formation

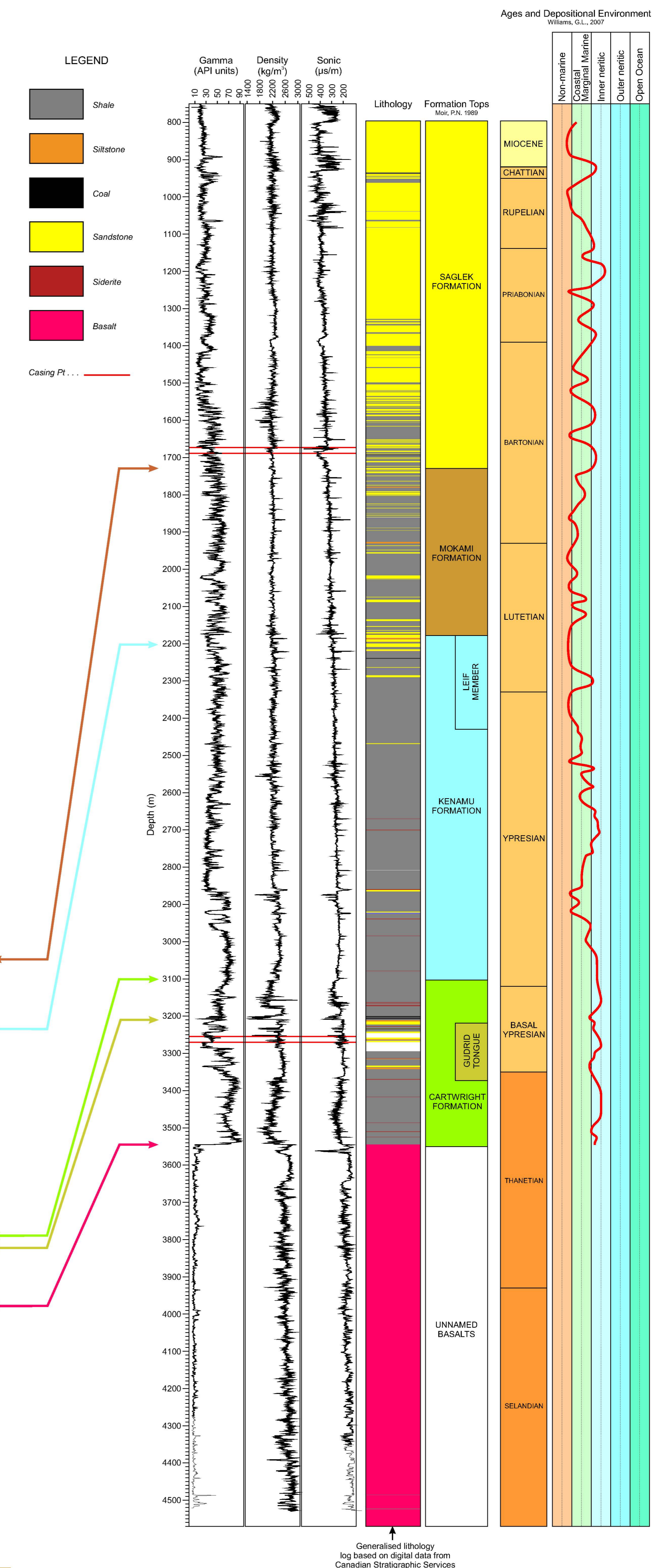
Lef Member

Cartwright Formation

Gudrid Formation

Basalt

Fault



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SHEET 2 OF 6 / FEUILLET 2 ET 6

Hydrocarbon prospectivity of Davis Strait and Labrador Shelf: seismic setting and stratigraphy for Gjoa G-37, Hekja O-71, Rut H-11, Gilbert F-53, Karlsefni A-13, and Skolp E-07

Authors: C. Jauer, H. Wielens, and G. Williams