True broadband data acquired in the Caswell Sub-basin and Yampi Shelf of the Browse Basin

To produce a single continuous 3D GeoStreamer volume over the Browse Basin, from the depocentre of the gas-dominated Caswell Sub-basin to the oil-bearing Yampi Shelf area, while utilizing the latest acquisition, processing and imaging techniques.

The basin major prospective fairways lie within the Early-Middle Jurassic extensional phase, and the Late Jurassic-Cenozoic thermal subsidence phase.

True broadband Dual sensor 3D seismic data with pre-stack AVO/AVA fidelity.
SURVEY SUMMARY
Type: 3D
Geostreamer: Yes
Geometry: Standard
Size: 7,719 sq. km
Acquisition year: 2011
Completion of processing: 2012
Water depth: 80-300 m
Shooting direction: North - South
Vessel: Ramform Explorer

ACQUISITION PARAMETERS
Number of streamers: 10
Streamer length: 6,000 m
Streamer separation: 100 m
Shot interval: 25 m
Record length: 7,168 ms
Source depth: 6 m
Sample rate: 2 ms

PROCESSING AND DELIVERABLES
Processing: 2D surface related multiple elimination (SRME), High resolution radon demultiple, XT / Tau-P Deconvolution, Kirchhoff prestack time migration (PSTM)

Time products: Angle stack near, Angle stack mid, Angle stack far, PSTM gathers, Stacking velocity, Migration velocity, Final post-stack time migration, Angle stack u-far

High fidelity GeoStreamer imaging illustrating high signal to noise and low-frequency signal preservation

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