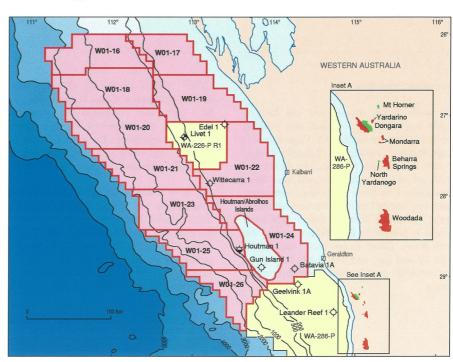
New Data on Oil Migration and Accumulation

SIRO and Geoscience Australia are conducting fluid history investigations of palaeo-oil migration and accumulation in seven wells from the offshore part of the Perth Basin.

Petroleum exploration areas W01-16 to 26 across the northern Perth Basin were gazetted by the Department of Industry Science and Resources in 2001, with bids closing April 11th 2002. A demonstrated petroleum system exists in the onshore part of the Perth Basin, where oil and gas is produced from Permian, Triassic and Jurassic sedimentary rocks. The offshore part of the Perth Basin remains a frontier area and has the potential to become a significant petroleum province.

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Location map (pictured right) of the 2001 Release Areas in the northern Perth Basin, showing offshore wells, permit and onshore oil and gas fields.



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The wells being investigated are located within the Houtman, Abrolhos and Vlaming Sub-basins and are Araucaria-1, Gage Roads-1, Gage Roads-2, Houtman-1, Leander Reef-1, Livet-1, and Marri-1. Hydrocarbon shows and small oil and gas accumulations have been encountered in these wells from sandstone reservoirs within Late Permian and Mesozoic strata, indicating that an active petroleum system is present in the offshore part of the Perth Basin. Good source rock potential for both oil and gas, and favourable trap types, present viable petroleum plays for exploration targets.

GOITM (Grains containing Oil Inclusions), QGF (Quantitative Grain Fluorescence) and MCI (Molecular Composition of Inclusions) data will be presented in two reports: Report 1, presenting GOI and QGF data, and Report 2, presenting MCI data, which became available in January 2002.

The fluid history investigations provide new information on palaeo-oil migration and accumulation that provides added detail to the currently available well test data. The GOI and QGF results from this study detected palaeo-oil zones and oil migration pathways in strata that did not have oil indications. The data provides new insight into the petroleum

potential of the offshore Perth Basin and will be useful in evaluating hydrocarbon charge risk in the basin.

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