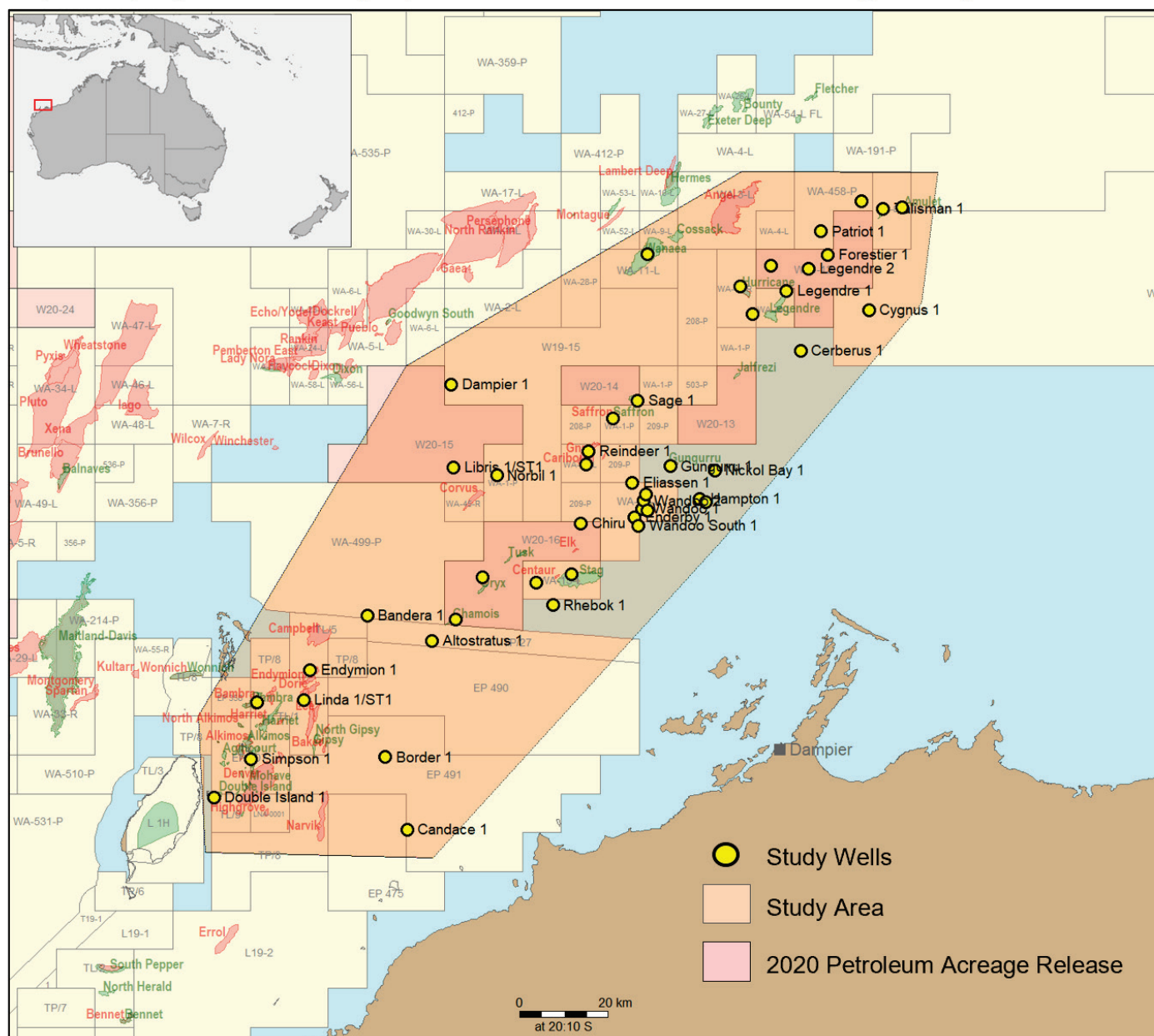


## MONODON (Barrow-Dampier) MULTI-CLIENT STUDY



A petrophysics, rock physics & stochastic modelling study of 46 wells



## MONODON (Barrow-Dampier) MULTI-CLIENT STUDY

### Data and Interpretation Study of 46 Wells

<b>Wells</b>	Ajax-1/ST1, Altostratus-1, Amulet-1, Antler-1, Bambra-4, Bandera-1, Border-1, Brocket-1, Candace-1, Caribou-1, Cerberus-1, Chamois-1, Chiru-1, Cygnus-1, Dampier-1, Delilah-1, Double Island-1, Eliassen-1, Enderby-1, Endymion-1, Forestier-1, Gungurru-1, Hampton-1, Hurricane-2, Legendre-1, Legendre-2, Libris-1/ST1, Linda-1/ST1, Morrel-1, Nickol Bay-1, Norbil-1, Patriot-1, Pleiades-1, Reindeer-1, Rhebok-1, Saffron-1, Sage-1, Simpson-1, Stag-4, Talisman-1, Wanaea-1, Wandoo-1, Wandoo-2, Wandoo-6, Wandoo North-1, Wandoo South-1
<b>Study Includes</b>	Petrophysics report, raw and final LAS including petro. evaluated & final elastic curves Brine substituted curves for all main elastic parameters (Sonic, Shear & Density) Rock Physics & Stochastic Modelling report including reservoir and non-reservoir trends and all possible seismic responses over the studied area Full documentation

### Petrophysics

Comprehensive petrophysical interpretation including porosity, saturation, and lithological evaluation by integrating all available data including wireline & LWD logs. Full composite interpretation plots accompanied with lithological descriptions, core analysis and well test information.

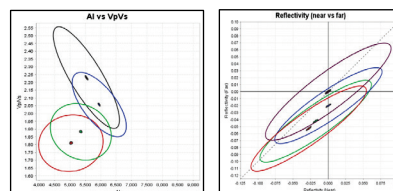
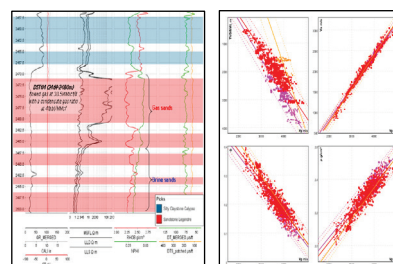
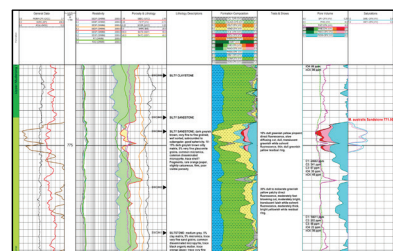
### Rock Physics

Statistical rock physics trends classified based on the lithology, elastic rock properties ( $V_p$ ,  $V_s$  and Density) or structural geology of the area (if required). The extracted rock physics trends can be used in quantitative seismic interpretation to extract geological information from the seismic data.

### Stochastic Forward Modelling

Can answer questions such as:

- › What type of AVA and amplitude response should I expect?
- › Does AVA aid in the discrimination and prediction of fluid and lithology?
- › What amplitude responses do we expect to see on full stack data?
- › What is the range (uncertainty) in the expected response?
- › Given the observed inherent scatter in end-member rock properties, can we discriminate between different lithology and fluid combinations in rock property space?
- › How do all the above change with depth, fluid and lithological variations?



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