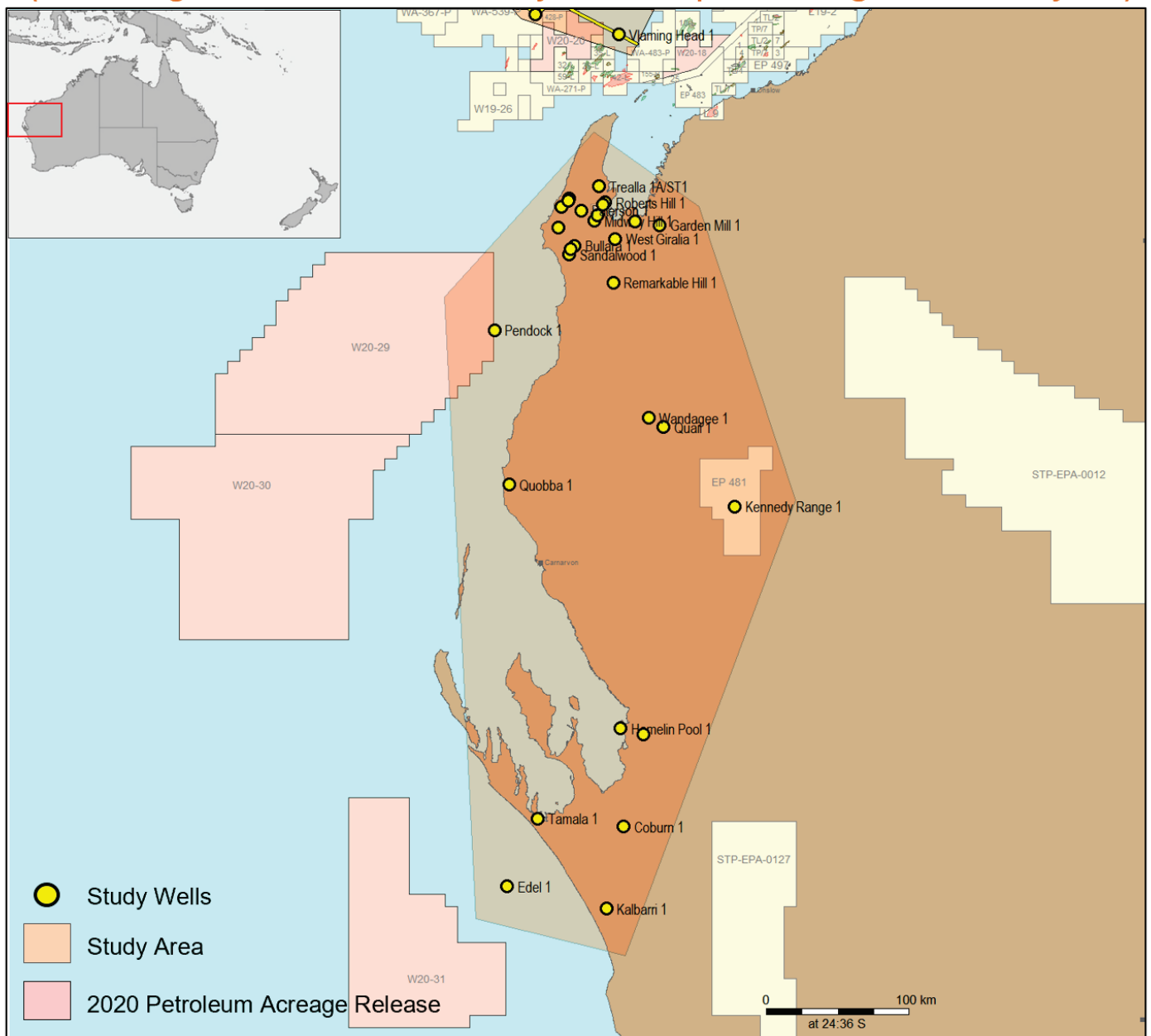


ONSHORE SOUTHERN CARNARVON MULTI-CLIENT STUDY



A petrophysics, rock physics & stochastic modelling study of 29 wells
(including unconventional analysis over potential gas shale layers)



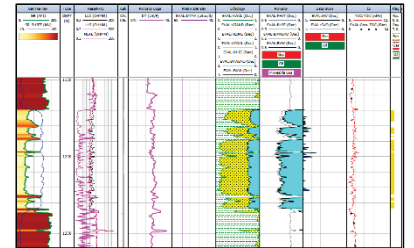
ONSHORE SOUTHERN CARNARVON MULTI-CLIENT STUDY

Data and Interpretation Study of 29 Wells

| | |
|-----------------------|--|
| Wells | Bullara-1, Coburn-1, Edel-1, Garden Mill-1, Hamelin Pool-1, Kalbarri-1, Kennedy Range-1, Midway Hill-1, Ningaloo-1, North Giralia-1, Parrot Hill-1, Paterson-1, Pendock-1, Quail-1, Quobba-1, Remarkable Hill-1, Roberts Hill-1, Rough Range-1B, Rough Range-11, Sandalwood-1, Sandy Point-1, Sandy Point-2, Tamala-1, Trealla-1A/ST1, Wandagee-1, West Giralia-1, Whaleback-1, Wingette-1, Yaringa-1 |
| Study Includes | Petrophysics report, raw and final LAS including petro. evaluated & final elastic curves and TOC & Brittleness as part of unconventional analysis 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 |

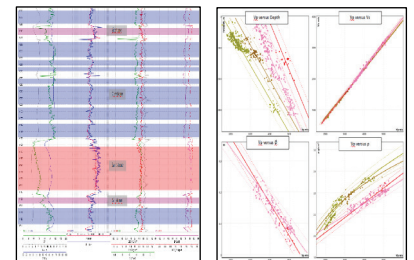
Petrophysics

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

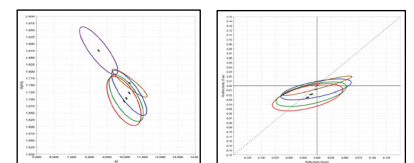
Statistical rock physics trends classified based on the lithology, elastic rock properties (V_p , V_s and Density) or structural geology of the area (if required). The extracted rock physics trends can be used in quantitative seismic interpretation to extract geological information from the seismic data.



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?



For further information please contact:

Stephen Doyle

+61 404 640 867

stephen.doyle@mresources.com.au