**Ikon SCIENCE**
CASE STUDY

# The Challenge
## *Fast Track Characterisation of Drop Bear Seismic Survey*

Leverage sparse information to characterise regional 3D multi-client dataset, NWS Australia. Predict the presence and distribution of hydrocarbon at all available well locations. Deliver full suite of inversion products using extremely limited data.

- Only 2 wells containing elastic log suites
- Complex mixed clastic-carbonate geology
- Targets spread across multiple stratigraphic intervals

# Our Approach
## *Joint Impedance and Facies Inversion (Ji-Fi)*

Ji-Fi was applied to the Drop Bear 3D seismic Survey offshore NWS and was able to leverage the sparse information available to produce facies volumes and elastic properties which honoured all the available well calibration locations.
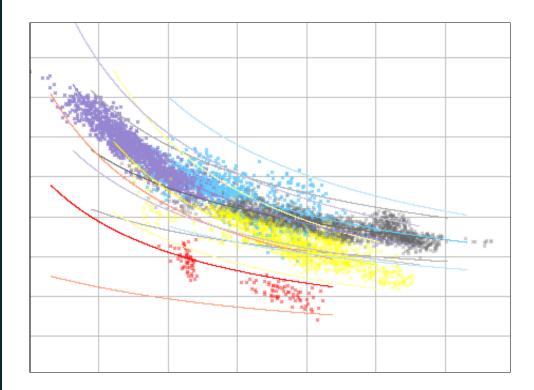
Ji-Fi has identified a number of new leads in the exploration acreage and correctly predicted the presence and thickness of the gas column at Pyxis.

**Schedule a Consultation >**

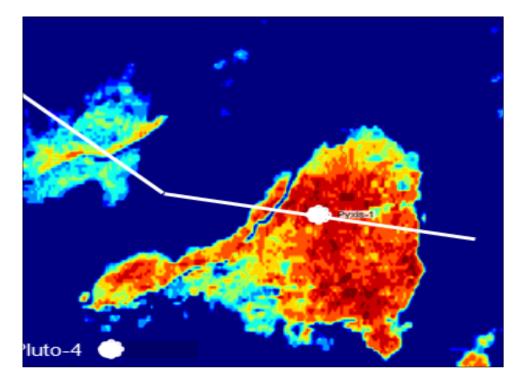**Webinars, Case Studies & More >**

# The Results

## 2700km²
PSDM reprocessing

## 3 Weeks
Turnaround time from loading to inverted products

## 60ft
Predicted gas column thickness vs 64ft encountered by Pyxis well

# The Partnership

Adding value to Searcher Seismic Multi-client PSDM Ultracube