

AUSTRALIAN SHALE GAS REVIEW CASE STUDY

Talisman Energy
Onshore Australia-wide

AWT DISCIPLINES

Geophysics
Petrophysics
Resource Assessment
Prospect Risking
Production Technology
Completions Engineering



PROJECT BACKGROUND

Talisman Energy was hoping to bring their extensive shale gas experience from North America to Australia. In order to initiate this move, Talisman sought to identify the leading geological support company for unconventional gas in Australia. With the help of AWT International (AWT), their aim was to assess all large, prospective basins for key shale gas characteristics.

Together, AWT's Australian shale gas experts, combined with those from Talisman, identified the key characteristics required in Australia to make a basin prospect for shale gas.

Location:
Onshore Australia

AWT WORKSCOPE

Following the identification of the key characteristics required for shale gas in Australia, AWT used their extensive knowledge of Australian geology to short list basins likely to have some potential.

A detailed study of each of the short listed basins was carried out. This included stratigraphic and facies analysis, petrophysics, basin maturity modelling, geochemical review, and regulatory requirements. This enabled Talisman to determine the extent of a move into Australia.

Based on AWT's advice, Talisman extended the initial project scope to include a full geochemical sampling and testing program. This program was designed and implemented by AWT. AWT identified core locations and sampling intervals using their own sampling protocols and undertook an Australia-wide sampling program on behalf of Talisman.

AWT ADDED VALUE

AWT provided significant guidance to the client passing on AWT's extensive knowledge of Australian geology to Talisman, in a clear and concise fashion. AWT's work led directly to Talisman increasing its presence in Australia. Following from this, Talisman undertook a recruitment drive as they pushed towards acquiring some of the valuable acreage identified by AWT.