

DRILLING & PROJECT MANAGEMENT CASE STUDY

Strike Energy - PSC C-1

Cooper Basin, Australia

AWT DISCIPLINES

Drilling & Supervision

Geology

Cost Management

Project Management



PROJECT BACKGROUND

Strike Energy Limited (Strike) was an active small exploration and production company

Established in 1997 and listed on the Australian Stock Exchange in 2004, Strike was headquartered in Perth, Western Australia

Strike had major unconventional (shale oil and gas) and conventional development projects in the Cooper Basin, South Australia, Carnarvon Basin, offshore Western Australia, and Eagle Ford Shale, Texas and Gulf Coast Conventional, Texas & Louisiana, USA.

In 2013, AWT was invited to assist Strike Energy Limited in delivering their appraisal drilling campaign in the Cooper Basin.

Location:
Cooper Basin, Australia



For more information contact:
Tel: (+603) 2162 3127 or visit our
website at: www.awtinternational.com

AWT WORKSCOPE

AWT was enlisted to provide complete project management and safe delivery of drilling, stimulation and well testing, from concept to the execution phase.

Given the financial, logistical and technical complexities of the campaign, effective integration with the client was crucial to delivering the project successfully. AWT approached this challenge by aligning with Strike's operations and processes, while taking the lead in managing the project. This workscope included:

- Review and approval of well design
- Rig selection and contract management
- Well cost estimates and AFE development
- Full engineering support and resourcing of industry experts
- Full end-to-end project management services
- Day-to-day management and supervision of drilling operations

THE CHALLENGES

- Financial and logistical limitations were the driving factors in the project management of the campaign
- Drilling in well sites was challenging due to remote locations, with very limited infrastructure and support available
- Highly complex drilling due to nature of formations (shales with high tendency to swell) and critical equipment operations due to operating conditions
- Highly skilled personnel, advanced technology and equipment were critical to success due to the technical complexity of the project

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THE SERVICES

- Geological services including daily formation analysis and reporting
- Drilling engineering services including review and approval of well design, development of casing and tubing design and well construction manual, and rig selection
- A complete drilling project management service package including project planning, administration, forward forecasting and reporting
- Procurement management services including tender documentation
- Cost management including daily cost tracking, forecasting and reporting
- Site supervision and overall management of drilling and well stimulation operations

AWT ADDED VALUE

- Effective integration with client, with the AWT resources sitting in client's office and remote site while leading the team for the duration of the campaign
- Proactive cost management integrated with operational performance which enabled Strike to better manage joint venture partner expectations
- Project delivered on time and on budget despite changes in scope
- Project operations conducted with no lost time incidents and/or HSE incidents
- Project managed and coordinated with multiple third party contractor services