

Project: DHTU2 Project Caltex Refinery Lytton, QLD

Client: CALTEX REFINERIES (QLD)P/L

Client's Representative: SHEDDEN UHDE (AUS)

Duration: Oct-Dec 2007 & April-June 2008



PROJECT OUTLINE

Variety of new industrial plant structures including process vessels, pumps, shell and tube exchangers etc. required to be added to the existing facilities. Pile foundations were required to carry the structural loads.

SCOPE OF WORKS BY AVOPILING

- Design and construction responsibility
- 420 nos (196× Ø 600mm, 168× Ø 750mm & 57× Ø 900mm) CFA piles up to 27m deep.
- Spoil removal.

Contact AVOPILING Pty Ltd

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PILE TESTING

The specification requirements for a robust testing regime were relaxed in favour of Avopiling's CFA Rigs' capability with in-built computer instrumentation.

Pile Integrity testing was carried out on selected piles and provided sound results matching the output obtained from rig instrumentation.

OPERATIONS & SAFETY

- Piling works were to be carried out within the existing refinery and lack of ample space to move plant and machinery around being the restriction, safety was the ultimate priority at all times and was monitored closely by Caltex.
- Congested site within the operating refinery and the logistics of deliveries and programming the works was extremely demanding.
- In spite of number of obstructions and different latent conditions the job was delivered on time and well under budget in compliance with industry best practice standards.

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