



Combined Micro-Coil TestPaq & AquiTraq Service reduces OPEX and HSE Risk Profile

Challenges

- A major CSG operator approached Qteq to develop a system for verifying seal integrity of a low-cost wellhead design selected for aquifer monitoring wells.
- The wellheads have no tubing hangers and so lack an internal profile to accommodate a back-pressure valve.
- The new capability needed to be designed, prototyped and qualified on an accelerated basis to meet tight well access deadlines.

Objectives

- For these wells, Qteq was already contracted to provide *Insert AquiTraq* water level monitoring systems, which can be deployed, suspended and retrieved without the need for a workover rig.
- The client wanted to sole-source all well integrity testing and water monitoring products and services from a single contractor.
- The wellsite crew needed to be multi-skilled in the use of the new wellhead integrity testing system and deployment of *Insert AquiTraq* systems, thereby eliminating the need for additional wellsite headcount.

Results

- The *TestPaq* system developed by Qteq comprises an inflate packer run on micro-coil and set inside casing just below the wellhead.
- The system is readily adapted to validate pressure integrity of casing patches, production tubing and completions equipment; all without a workover rig.
- *Testpaq* development and testing was completed within 4 weeks.

Value to Client

- The *TestPaq* system was contracted for a highly successful 5-well campaign.
- The spooling unit and wireline BOP system used to set the packer and pressure test the wellhead was re-used to deploy the *Insert AquiTraq* monitoring systems.
- Reduction in crew size and number of mobilisations improved HSE risk profile for the client.
- Enabling the adoption of low-cost wellheads, co-use of service equipment for rig-less intervention and installation purposes, and supply of multi-skilled field personnel, resulted in an estimated cost saving of AUD240K across the 5-well campaign.

SUMMARY FACTS

LOCATION:

Surat Basin – January 2018

APPLICATION:

Well integrity testing, and Fluid level monitoring

PRODUCTS/SERVICES:

TestPaq & Insert AquiTraq

WELL TYPE:

Aquifer monitoring wells

COST SAVINGS

AUD 240K