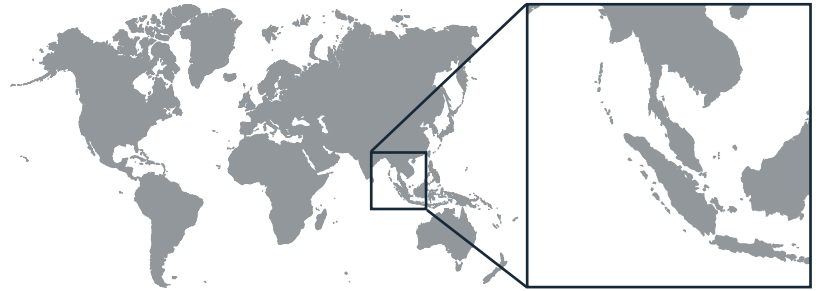


VIVID®

Acoustic Listening Platform

Fast and clear identification of a tubing leak with **VIVID®** technology

A prolific oil producer is shut-in due to pressure building up in the production casing at a rate of 30 psi/hr. Rapid identification of the pressure source is vital to restore the well to production.



Efficient solution

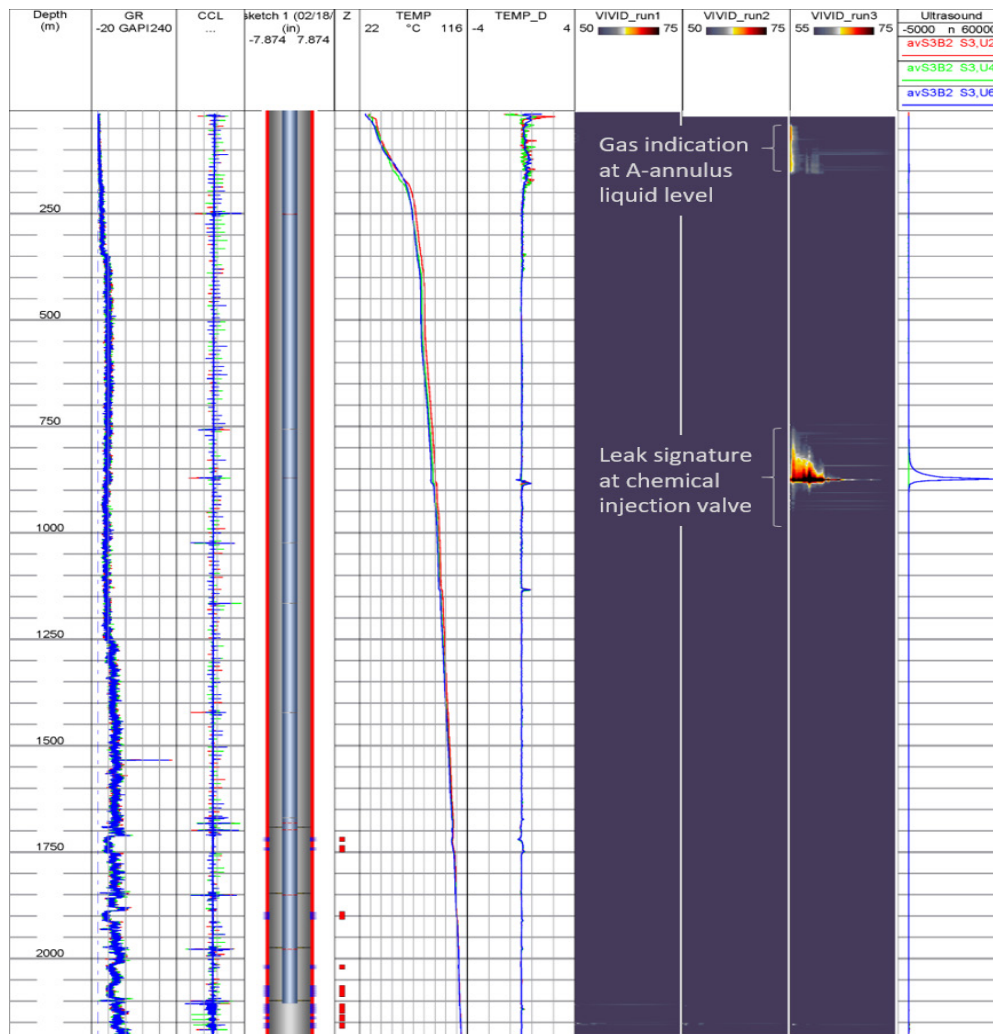
A **VIVID®** survey was chosen as the optimal solution to identify the fluid migration path driving the production casing pressure buildup.

Region: Asia - Malaysia

Customer: Petronas Carigali

Field: East Malaysia

Well type: Gas-lifted oil producer



Results:

- Tubing leak located adjacent to a chemical injection valve at 873m-875m
- Temperature gradient change at 1,133m eliminated as a leak indication due to lack of **VIVID®** response
- Gas movement from the A-annulus liquid column indicated by acoustic activity in the shallow interval from 39m-159m.

Key capabilities:

- Highest sensitivity over the broadest bandwidth
- Locates low energy leaks even in outer barriers
- Fast sample rate allows characterization of even the lowest energy leaks in cemented annuli
- **VIVID®** pinpoints previously undetectable leaks and provides the clearest answers

Archer