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Warro partners hopeful of significant gas flows

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PARTNERS in the Warro gas project in the Perth Basin are hoping an isolation bridge plug will stop the significant inflows of water in the Warro-3 well and result in a material increase in gas flows.

Warro Gas field location

Minority partner Transerv Energy said production logging tests on the well had been completed and showed about 60% of the total gas production was from the uppermost zone (zone 6), 27% from the middle zones (zones 3,4.1,4.2 and 5), and about 13% from the lower zones (zones 1 and 2).

Importantly, the company said all the water was evaluated as being from zones 1 and 2 and therefore a retrievable isolation plug set at the top of zone 2 should seal off the formation water.

"If the isolation bridge plug is successful in eliminating the significant inflows of water to the well, a material increase is expected in the gas flow rate, more than offsetting the lost of modest gas production from zones 1 and 2."

Testing of Warro-3 began on May 2 and is expected to take up to 60 days.

The constant presence of fluids in the well bore has restricted gas from reaching its optimal flow rate, though the increased gas flow that followed immediately after the well's shut-in period showed it was capable of greater rates of production.

Should the well be successful, which appears to be increasingly likely, the joint venture between Alcoa, Latent Petroleum and Transerv could drill more than 200 wells on the field to produce an average of 100-150 million cubic feet of gas per day.

The gas will be piped to the gas-processing plant from various well pad groupings before being delivered to the Dampier to Bunbury and Parmelia pipelines.

Alcoa is funding the evaluation program in return for a 65% interest in the project while unlisted private company Latent holds a 25% stake.

Transerv owns the remaining 10%.