



SWELLPLUG LCM

SUCCESS STORY

A breakthrough in Lost Circulation Control

Australia

900

BBL/HR
EXTREME LOSSES

ZERO

BBL/HR
POST DEPLOYMENT

\$1M

COST SAVINGS

SwellPlug LCM utilizes advanced swelling polymer technology, expanding upon water exposure to form a durable, permanent seal in fractured or high perm formations, ensuring efficient well stability and reduced operational complexities.

CHALLENGE

Extreme fluid losses of over 900 bbl/hr posed a significant threat to well control during drilling operations in the fractured Carmichael Sandstone. After three years of unsuccessful trials with alternative LCM solutions, the situation led to expensive cement plug applications and multiple sidetracks



THE SOLUTION

SwellPlug LCM's advanced swelling polymer technology successfully sealed off the challenging loss zone, allowing for uninterrupted drilling to the 9-5/8" casing point. This ensured a smooth and efficient casing deployment and cementing operation while eliminating the need for multiple LCM treatments. The one-time application of SwellPlug LCM not only avoided the risk of premature well telescoping and pumping of cement plugs, but also streamlined the entire process, enhancing operational efficiency and reducing costs.

THE RESULT

- Fluid losses dropped to zero within 6 hours
- Saved six days of rig time
- Eliminated the need for multiple LCM applications
- Estimated cost savings \$1,000,000
- Simplified operations with no onsite service required

WELL DATA

- Location: Australia
- Well Type: Conventional
- Open Hole: 12.50
- Casing: 9.625
- Loss Zone: 52m

