

**Better
Fluids** Make
Better Wells.



Combat lost circulation head on and minimize drilling non-productive time and reduce operational costs

Our Engineered, Composite Solutions provide superior performance to help save rig space, reduce costs and reduce HSE incidents.

Prevention LCM is your best practice for saving time and money.

- **BaraShield®-663 LCM**
 - Quickly seals up to at least 500 microns in size
- **BaraShield®-664 LCM**
 - Quickly seals fractures up to at least 1,000 microns in size

Remediation LCM quickly remediates costs and risks with unforeseen lost circulation incidents.

- **STOPPIT® LCM**
 - Plugs fractures over a wide range of fracture widths
 - Increased material toughness to resist changes in downhole pressure
- **BaraBlend®-665 LCM**
 - Seals fractures up to 3,000 microns

Our customized solutions meet your specific needs.

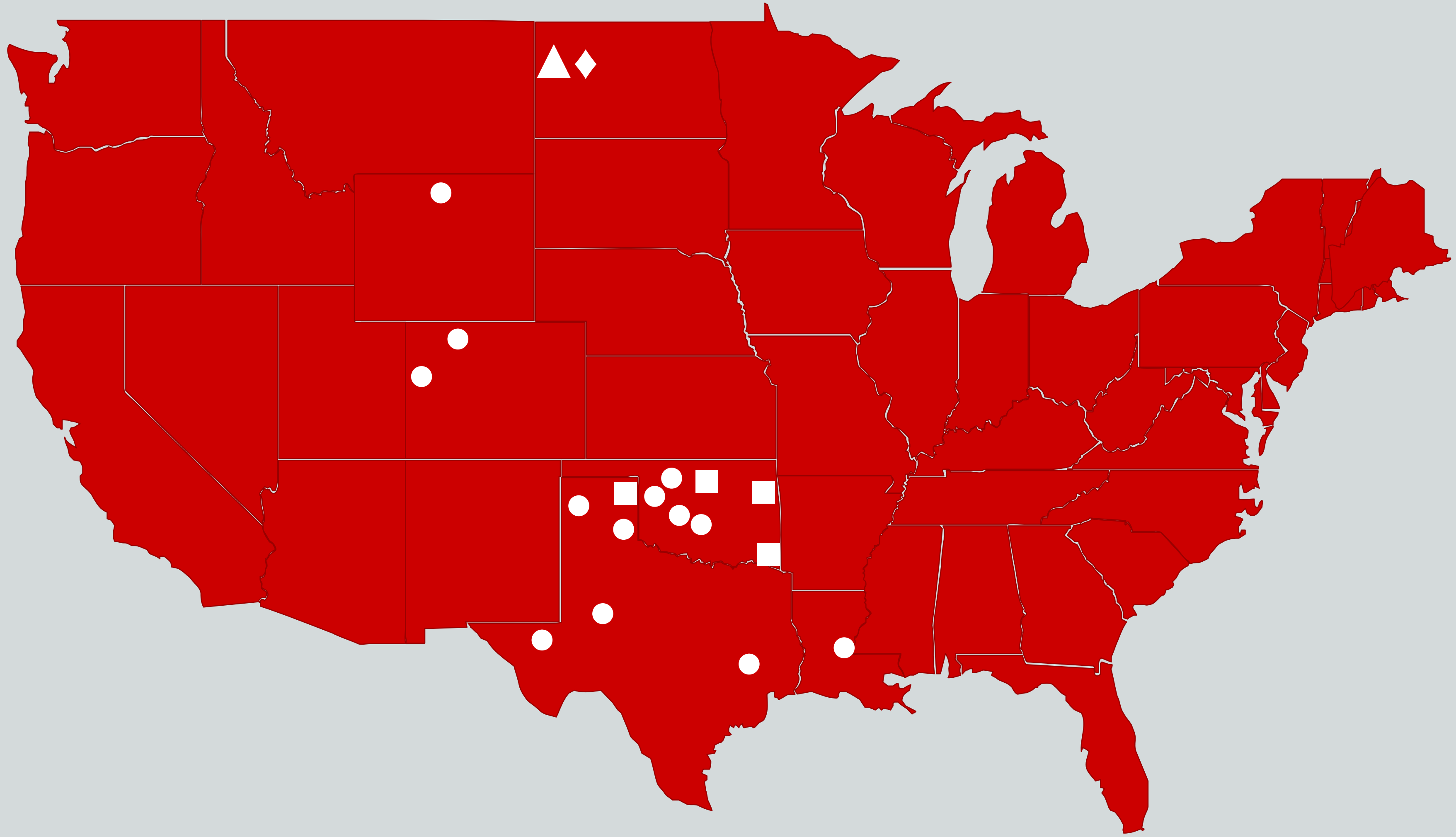
- **Engineered Swelling LCM Pill**
 - Composed of STOPPIT® LCM, DIAMOND SEAL® LCM and BAROLIFT® Sweeping Agent
 - Proven procedure and success rate across multiple loss zones
 - Pill to be prepared in fresh water for effective performance

Halliburton Baroid provides a fully engineered approach to lost circulation prevention and remediation. Using our Drilling Fluid Graphics (DFG™) and WellSET™ software – along with specially designed materials – Baroid's Wellbore Stress ManagementSM service identifies the optimal LCM concentration needed for each application.

**SOME SEE LIMITS,
BAROID SEES
OPPORTUNITIES**

halliburton.com/baroid/challenge

Project Experience



▲ BaraShield®-664 LCM

- Helped operator drill through severe loss zone saving \$227k and 2.5 days

■ Engineered Swelling LCM Pill

- Proven procedure and success rate across multiple loss zones
- Applied after other competitor options exhausted

● STOPPIT® LCM

- Helped save WPX Energy over \$100k per well
- Stopped oil-based fluid losses
- Helped reduce fluid costs by nearly 400% and 4 days of rig time
- Helped save rig time and reduce losses in highly fractured formations
- Enabled recovery from total losses
- Stopped oil-based fluid losses in horizontal wellbore

◆ BaraBlend®-665 LCM

- Helped operator regain full circulation, reached interval total depth and ran and cemented casing – beating the average time to drill the intermediate interval by 4.8 days, saving \$556k.