

Extending the Life of Unconventional Assets: Lost Circulation Material as Unique as Your Well

What STEP-PLEX LCM can do for you:

- Increase number of near wellbore fracture initiation points
- Increase fracture network complexity
- Block depleted fractures before refracturing
- Reduce offset wellbore frac hits

Operational Benefits:

- Degrade leaving no damage to the formation; environmentally friendly
- Excellent bridging agent, particle size distribution is optimized based on fracture geometry testing
- Compatible with aqueous and hydrocarbon fluid systems
- Custom dissolution times based on operational scope

Conventional methods of fracturing rely on rock stresses to indicate where the rock breaks. This can lead to over stimulation of a single fracture and leaving trapped hydrocarbons behind. Lost Circulation Material (LCM) is used to isolate dominate flow areas of the wellbore and redirect the proppant and fracture fluids to new sections of the reservoir. This method of fracturing new completions and existing wells increases fracture complexity resulting in improved production performance.

STEP-PLEX™ LCM is a unique solution that has been developed for refracturing, intra stage diversion, far field diversion, wellbore rescues, and temporary wellbore integrity remediation. It combines a number of environmentally friendly, slow degrading solids used as temporary blocking agents for fluid loss prevention, bridging, loss circulation prevention, conductivity improvement and fracture fluid diverting. STEP-PLEX LCM is uniquely customized depending on the desired application, time and temperature. The rate of degradation can be controlled from hours to weeks depending on the product, particulate size and down-hole conditions.

Based on a thorough investigation of the completion history, reservoir characteristics and field samples, STEP's expert engineering team can customize a fracturing treatment schedule to increase stimulated rock volume with far-field or near wellbore lost circulation material.

