

COALCAT™

“Clean Agglomeration Technology”



COALCAT “Clean Agglomeration Technology” uses environmentally safe chemistry to provide particle control which results in increased flow potential and EUR.

Extensive research has driven the development of surface-reactive chemistry that allows formation micro particles to attract and agglomerate, rendering them immobile.

Microparticle bridging damages conductivity and cleat permeability. Reducing the mobility of fines can benefit well production and ultimate EUR in particle generating formations.

COALCAT INTENSIFIER (CCI) *A two-part system to chemically lock particles*

COALCAT is pumped with COALCAT intensifier (CCI) when severe fines contamination is expected. This two-part system surface-neutralizes particles, allowing fines to agglomerate.

The COALCAT Intensifier (CCI) then acts as a chemical lock, further enhancing the longevity and attraction of the particles to the immobile agglomerates.

“Clean Agglomeration Technology” uses chemically safe agglomeration technology and does not employ resins or potentially harmful solvents, making it well suited to CBM operations:

- As a pre-frac treatment
- During a frac treatment as a load recovery and gas breakthrough additive
- As a remedial treatment
- As an energized application

Conductivity Enhancement

Control of fines and the capability of COALCAT and CCI to realign and redistribute particles can yield high initial recoveries and improved gas breakthrough.

Suggested Loadings

COALCAT should be pumped ahead of the treatment at a concentration of 0.5 gal/Mgal. For severe fines control and added agglomeration benefit, the treatment should be followed with fluid containing up to 4 gal/Mgal of CCI.

A surface-reactive system that binds formation fines and provides enhanced conductivity.



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