Dimensionless Hydraulic Fracture Conductivity = FCD

A dimensionless parameter measuring a fracture conductivity normalized by the product of reservoir permeability k and Fracture half-length X_f:

(1) $$F_{CD} = \frac{F_C}{k \cdot X_f} = \frac{k_f \cdot w_f}{k \cdot X_f}$$

where

k_f	fracture permeability
w_f	fracture width

See Also

Petroleum Industry / Upstream / Well / Well-Reservoir Contact (WRC) / Hydraulic Fracture / Hydraulic Fracture Conductivity (F_C)

[Production / Subsurface Production / Well & Reservoir Management (WRM) / Well stimulation / Hydraulic Fracturing]

[Fracture] [Infinite conductivity fracture] [Finite conductivity fracture]

[Hydraulic Fracture @model]