

## ABBREVIATIONS AND NOMENCLUTURES

NFRs	Naturally Fractured Reservoirs
HCs	Hydrocarbons
MMM STBO	Billion Stock Tank Barrels of Oil
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EandP	Exploration and Production
$\delta_1$	The maximum principal stress
$\delta_2$	The intermediate principal stress
$\delta_3$	The minimum principal stress
$k_f$	Fracture permeability
$\lambda$	Transmissibility ratio
$\Phi_m$	Matrix porosity
$r_w$	Wellbore radius
$C_{t\ m}$	Matrix compressibility
$C_{t\ f}$	Fracture compressibility
<b>W</b>	Storativity ratio
<b>t</b>	Time
$\mu$	Viscosity of the fluid
$\gamma$	Fracture connectivity index
<b>PCI</b>	production connectivity index
<b>FI</b>	Fracture intensity index
<b>L</b>	Fracture Spacing
<b>h</b>	Reservoir thickness
<b>q</b>	Production rate
$w_f$	Fracture width
<b>B</b>	Formation Volume factor

$P_D$	Dimensionless pressure
$t_D$	Dimensionless time
$k_m$	Matrix compressibility
$\Phi_f$	Fracture porosity
$\zeta$	Geometric factor
$A$	Surface area of matrix block
$V$	Matirx volume
$X$	Characterstics length