Youngs Modulus

YM=10000\*RHO\*(1/DTS)\*\*2\*(((3\*(1/DTC)\*\*2-4\*(1/DTS)\*\*2)/((1/DTC)\*\*2-(1/DTS)\*\*2)))

Poissons Ratio

PR=(1/2\*(DTS/DTC)\*\*2-1)/((DTS/DTC)\*\*2-1)

Brittleness

BRITTLENESS=YM/PR

LOG R

LOG R(DEN)=LOG10(R/RBASE)-2.5\*(RHOB-RHOBBASE)

Rbase = 1.5

RHObase=2.5

TOC Density

TOC PASSEY DEN=(LOGR)\*10\*\*(2.297-(0.1688\*LOM))

LOM, use 8, 10