

# Shale Index

(1) 
$$I_{GR} = \frac{GR_{log} - GR_m}{GR_{sh} - GR_m}$$

where

|            |                                               |
|------------|-----------------------------------------------|
| $GR_{log}$ | GR-tool readings $GR_{log}$                   |
| $GR_m$     | the reference values in clean rocks $GR_m$    |
| $GR_{sh}$  | the reference values in pure shales $GR_{sh}$ |