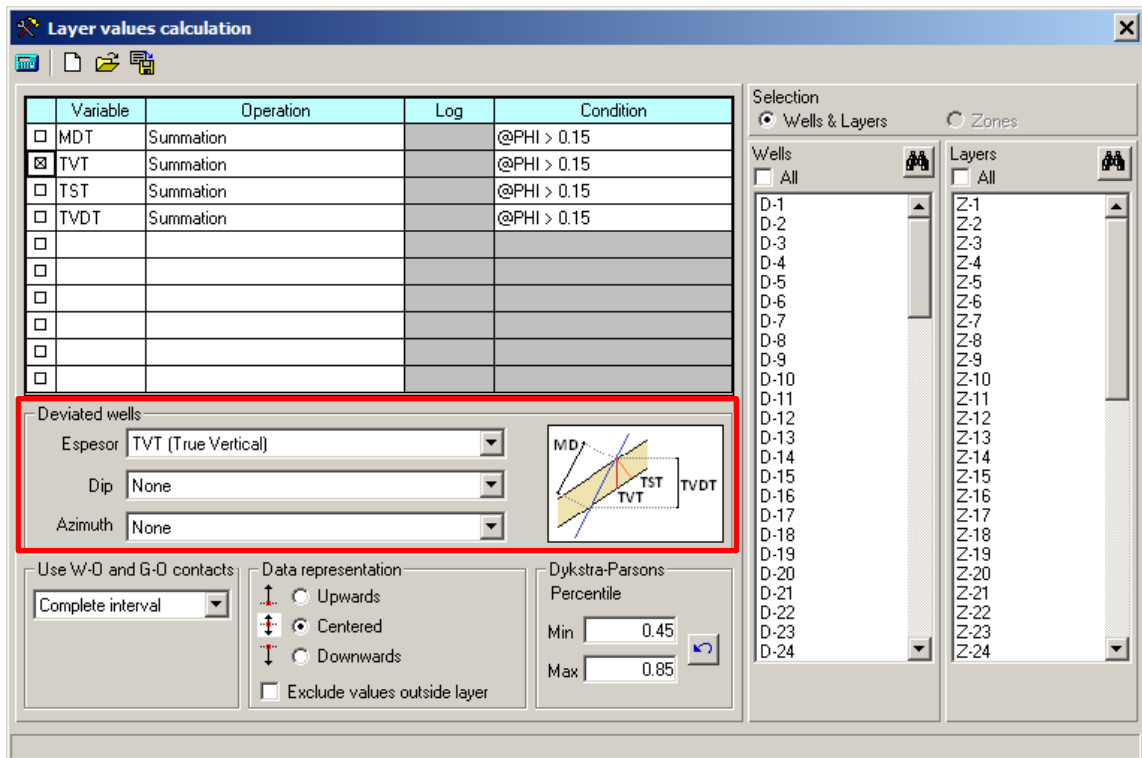


### Summations – Thickness calculation

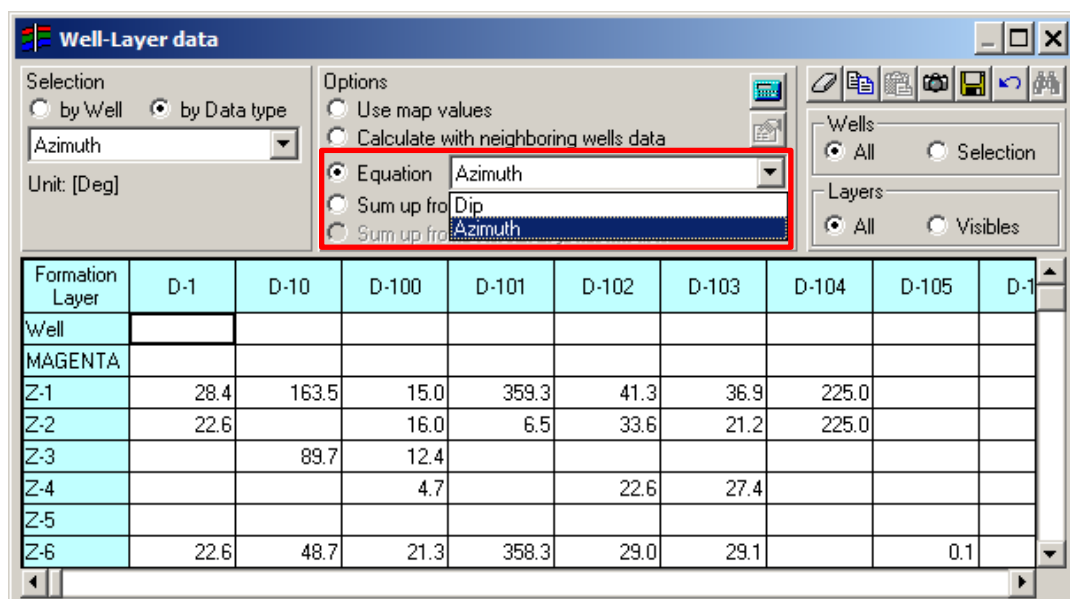
The new option, available in **Tools > Petrophysical tools > Summations**, allows calculating thickness for deviated wells.

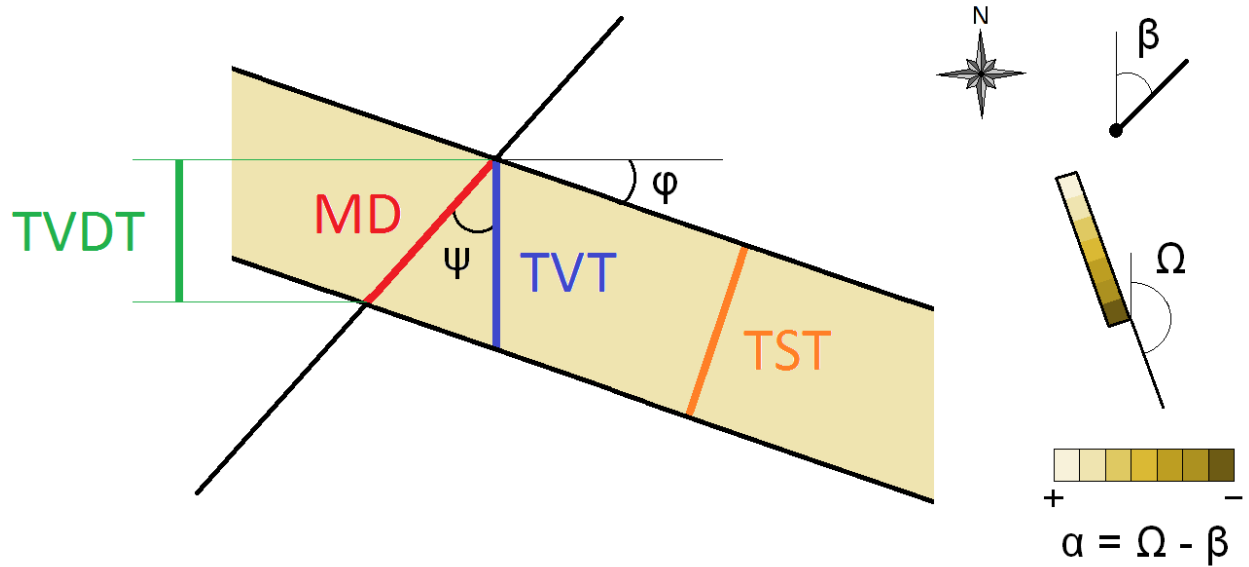
The new tool allows calculating independently: True Vertical Thickness (TVT), True Stratigraphic Thickness (TST), Measured Depth Thickness (MDT) and True Vertical Depth Thickness (TVDT). The correct thickness estimation takes an important place when calculating reserves.



### Azimuth and layer inclination

Additionally, two equations to calculate layer dip and azimuth were added in the Well-Layer data window:





$$TVT = MDT (\cos \psi - (\sin \psi * \cos \alpha * \tan \phi))$$

$$TVDT = MDT * \cos \psi$$

$$TST = TVT * \cos \phi$$

MDT = Measured Depth Thickness

TST = True Stratigraphic Thickness

TVT = True Vertical Thickness

TVDT = Layer True Vertical Depth Thickness

$\phi$  = Layer dip relative to the horizon

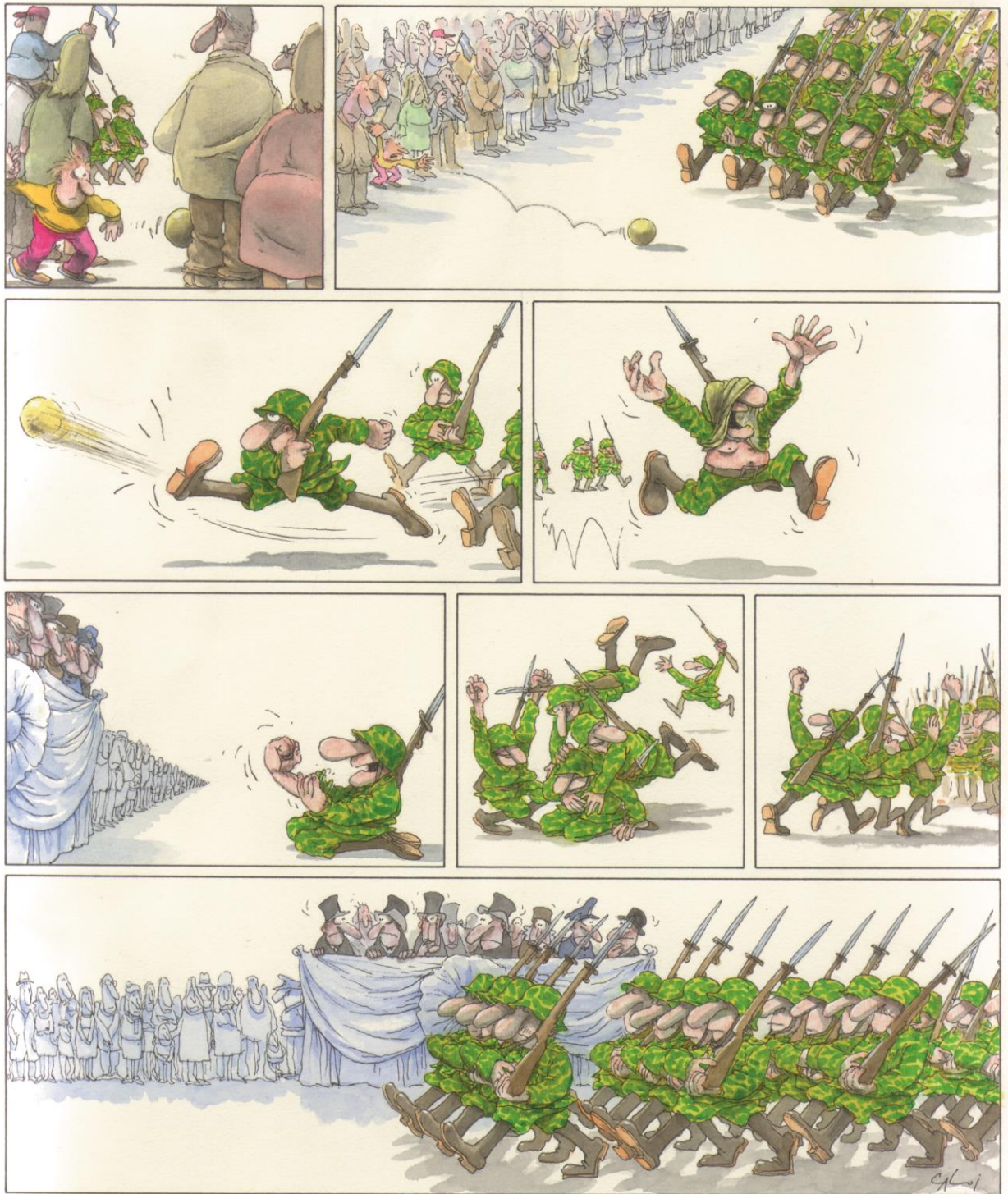
$\beta$  = Well azimuth (North relative)

$\Omega$  = Layer azimuth (North relative)

$\alpha$  = Difference between layer azimuth and well azimuth

$\psi$  = Well inclination (North relative)

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