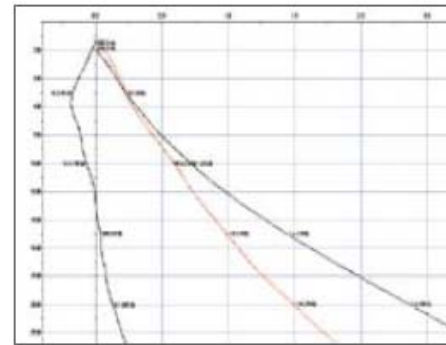
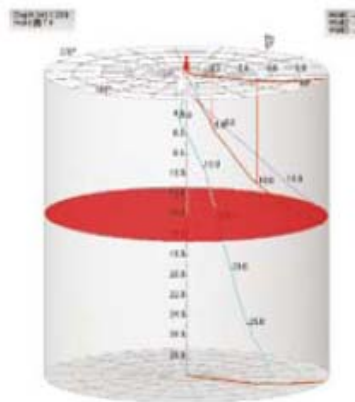
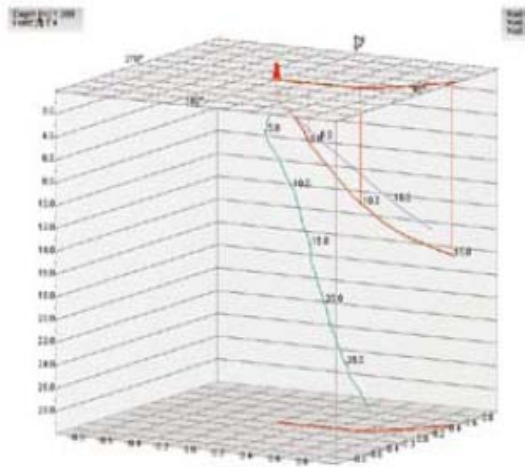




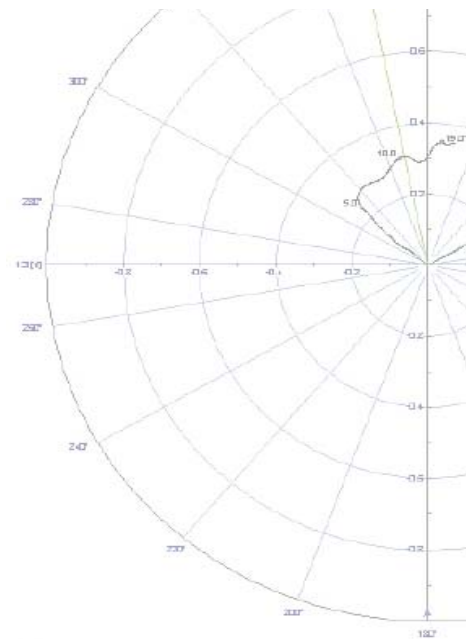
WellCAD

Deviation data display

The module includes various 2D and 3D display options for deviation data from classical bull's eye, projection and closure 2D views to 3D cubic and cylindrical displays. Each view comes with its own settings and options. Multiple well paths and target layers can be displayed.



The methods for computing x,y,z coordinates from borehole azimuth and tilt are provided in the WellCAD basic process (classic tangential, balance tangential, radius of curvature)



Borehole Deviation Coordinates

Deviation channels:
 Azimuth [Az(M)]
 Tilt [Tilt(I)]

Method:
 Classic Tangential
 Balanced Tangential
 Radius Of Curvature

Northing, Easting, TVD
 Units: meters

TVD
 Start at:
 top depth of source log
 depth [m] 0.0
 Generate new TVD Depth Column

Azimuth correction
 Magnetic declination [deg] 12
 (The value inserted will be subtracted)

Estimation of uncertainty
 Calculate error ellipses
 Accuracy Azimuth [deg] 0.1
 Accuracy Tilt [deg] 0.1

OK
 Cancel

Borehole Deviation Details

Input channels:
 Azimuth [Az(M)]
 Tilt [Tilt(I)]
 Nothing
 Easting

OK
 Cancel

The function calculates:
 - Closure Distance (CD) in units of Northing and Easting
 - Closure Angle (CA) direction in deg (clockwise from North)
 - Dog Leg Severity in deg/100 ft or deg/30 m depending on depth unit.