

SURFACE TYPES

Leapfrog Geothermal 3.8

LEAPFROG GEOTHERMAL 3.8 SURFACES

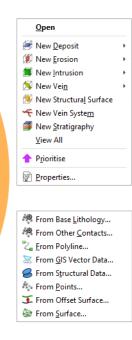
CORE CONTACT SURFACE TYPES

Deposit

Erosion

Intrusion

Vein



SPECIFIC FUNCTION SURFACES

Structural

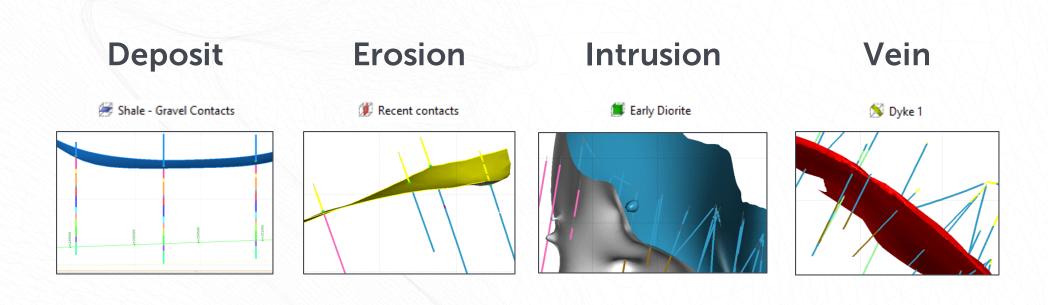
Offset

Vein System

Stratigraphy

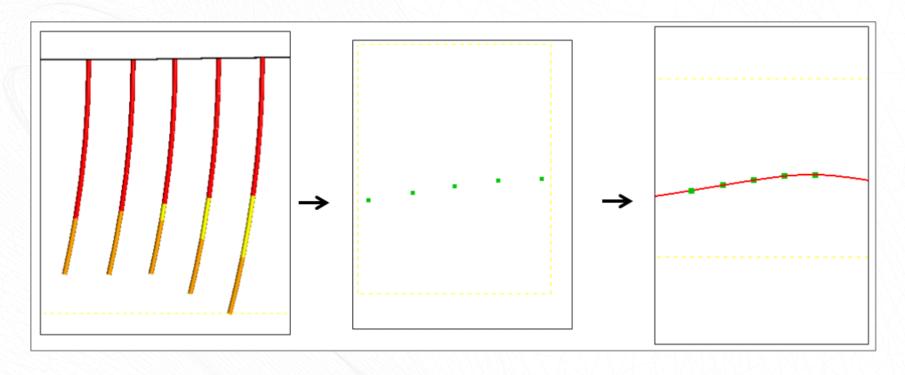
LEAPFROG GEOTHERMAL 3.8 SURFACES

CORE CONTACT SURFACE TYPES



DEPOSIT AND EROSION SURFACE

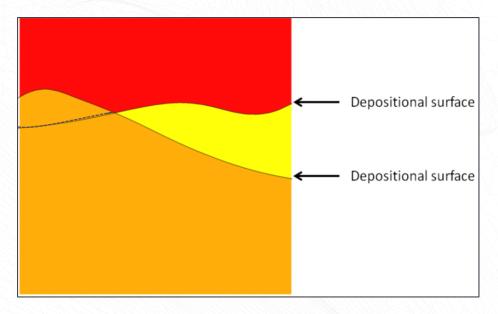
One set of contact points – above **OR** below the unit of interest



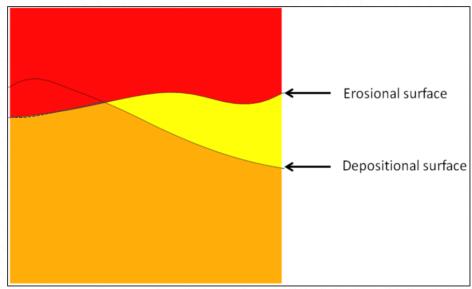
Only ONE contact point per unit per well

DEPOSIT AND EROSION VOLUMES

Deposit Surface



Erosion Surface

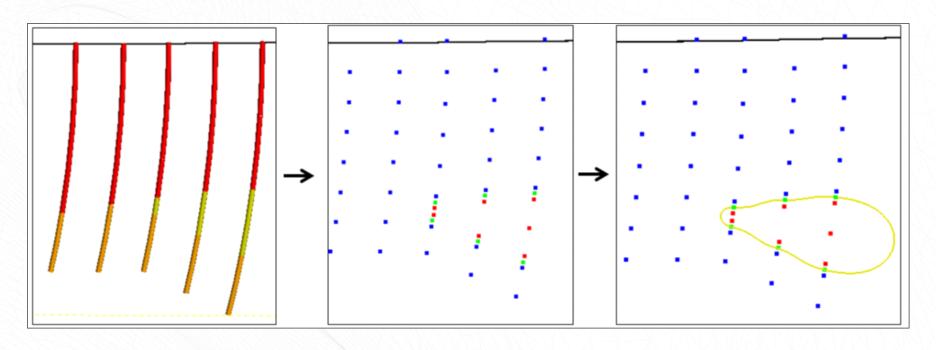


Cannot cut into an underlying older unit

Can cut into an underlying older unit

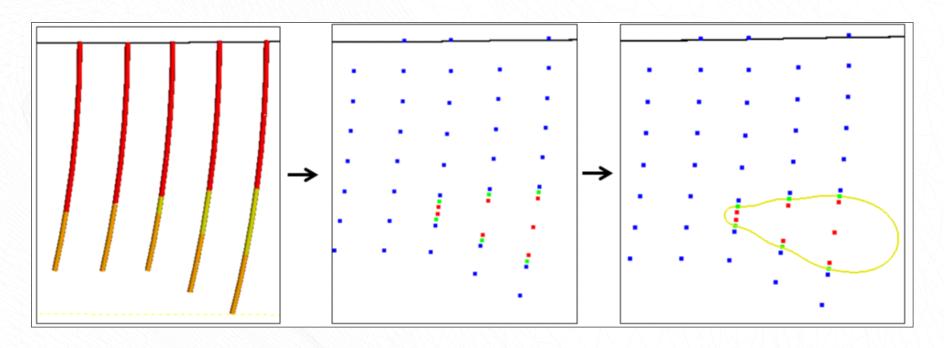
INTRUSION SURFACE

One set of contact points – above AND below the unit of interest



Can have MULTIPLE contact points per unit per well

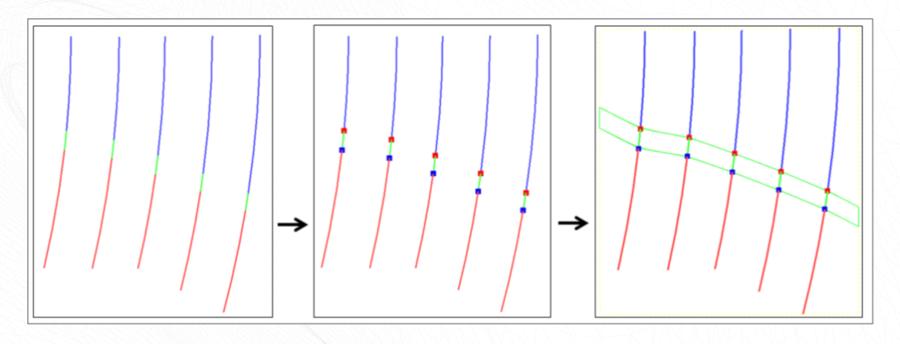
INTRUSION VOLUMES



Encloses the unit of interest

VEIN SURFACE

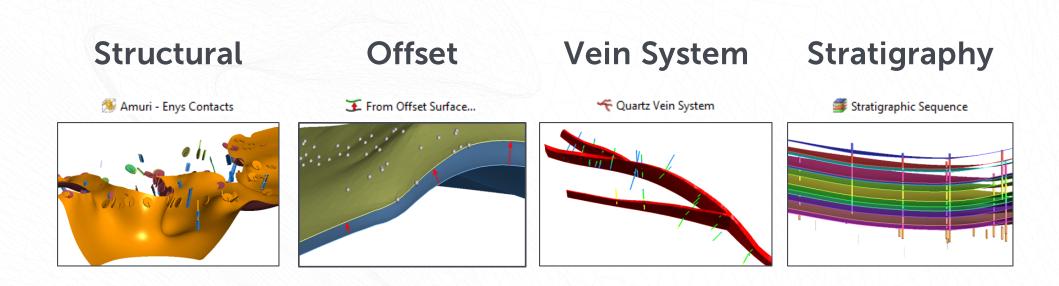
Two sets of contact points – above AND below the unit of interest



Creates a Hanging wall (HW) set AND Footwall (FW) set of contact points

SPECIFIC FUNCTION SURFACES

SPECIFIC FUNCTION SURFACES



STRUCTURAL SURFACE

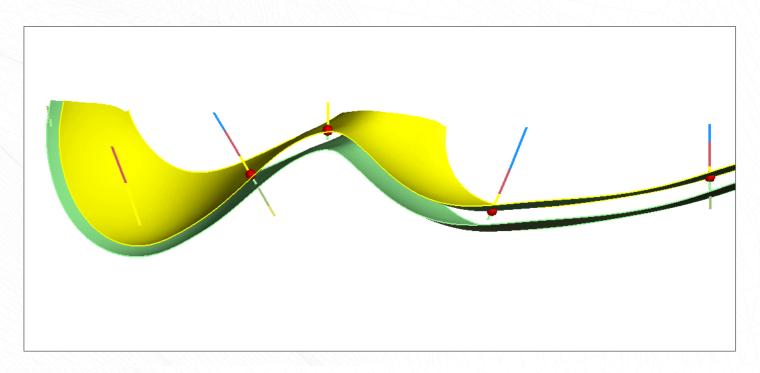
Incorporates **non-contact** structural data with on-contact data (wells, surface mapping)



Can be used for a **Deposit**, **Erosion** or **Intrusion** contact type

OFFSET SURFACE

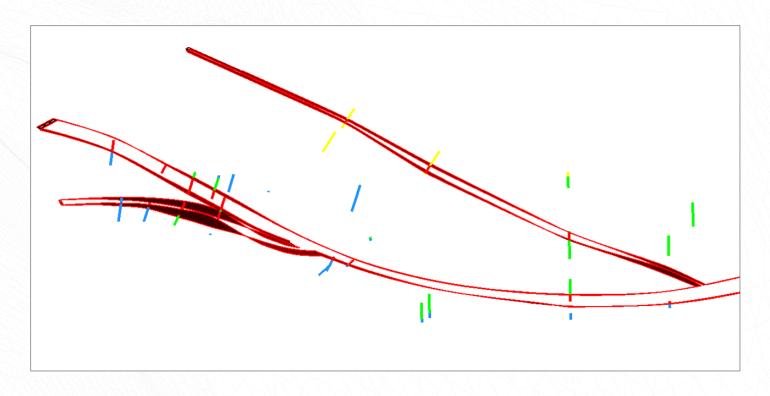
Maintains **consistent offset** while **honouring** contact points – for stratigraphy with common deformation



Can be used for a **Deposit** or **Erosion** contact type

VEIN SYSTEM SURFACE

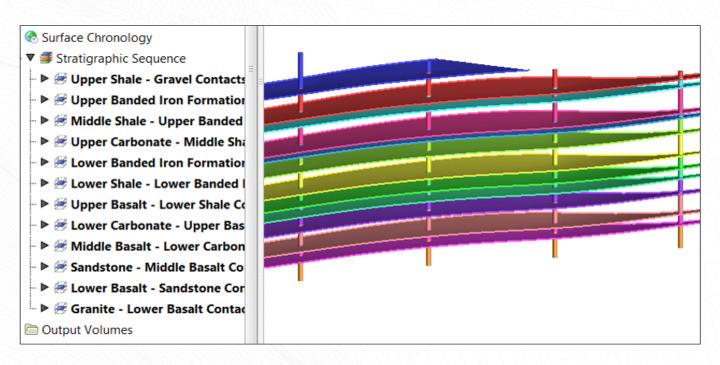
Combines individual veins into a **single interconnected system** of veins



Can be used for a Vein contact type

STRATIGRAPHIC SEQUENCE

Generates **multiple** surfaces in a stratigraphic sequence in a **single pass**



Can be used for a **Deposit** or **Erosion** contact type