Compute Isochron Map

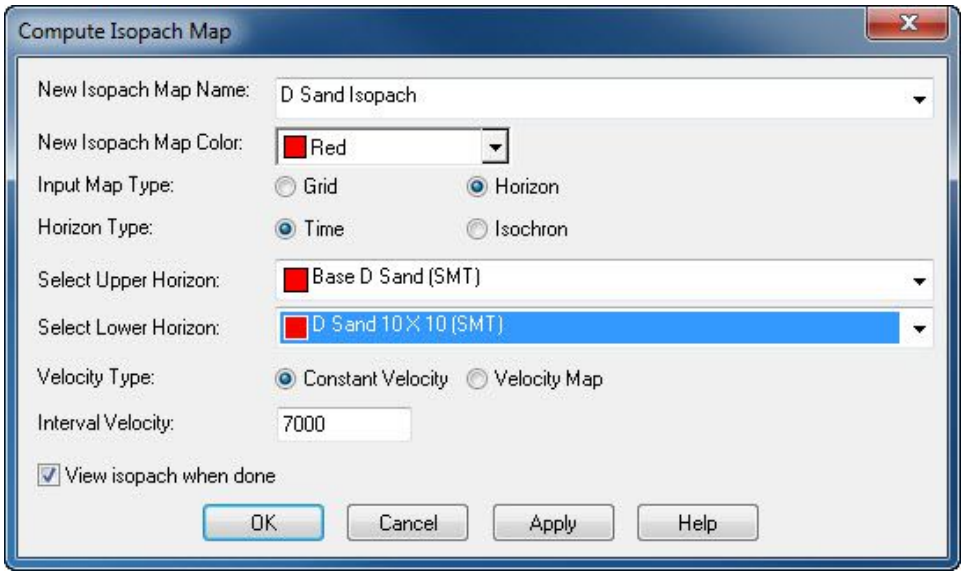
Tools > Depth Conversion > Compute Isochron Map

The **Compute Isochron Map dialog box** that appears uses two time surfaces to create an isochron map.

An **isochron** is the absolute value of the difference between two time maps. The first (shallower) time map is subtracted from the second (deeper) time map.

An isochron map is generated from **isochron control points**, or time pairs within the interval.

The output will either be a **grid** or **horizon** in seconds



Dialog box items include:

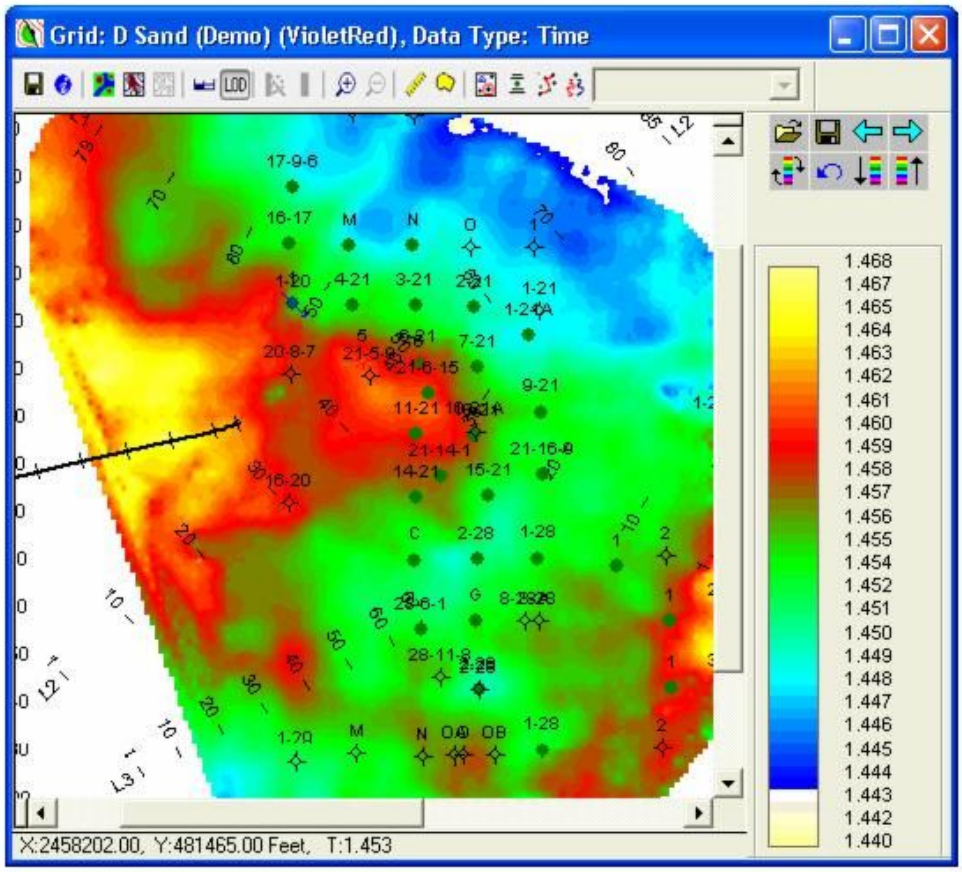
- **Output Isochron Map Name** is the output horizon or grid name. Enter a new isochron name, or use the down arrow to select an existing grid for the output. If an existing horizon is selected, then a note will appear alerting the user to that fact. A new horizon name must be selected. If an existing grid is selected, then it will be overwritten.
- **Output Isochron Map Color** sets the display color for the new isochron map. Use the down arrow to select a color from the color palette. If an existing horizon is selected from **Output Isochron Map Name**, then the color is not applied.
- **Output Type** specifies whether the output isochron map is a **Grid** or **Horizon**. If a horizon is the output, then the Isochron attribute Isochron will be applied to the horizon.

Note: The input and output surface types must be identical.

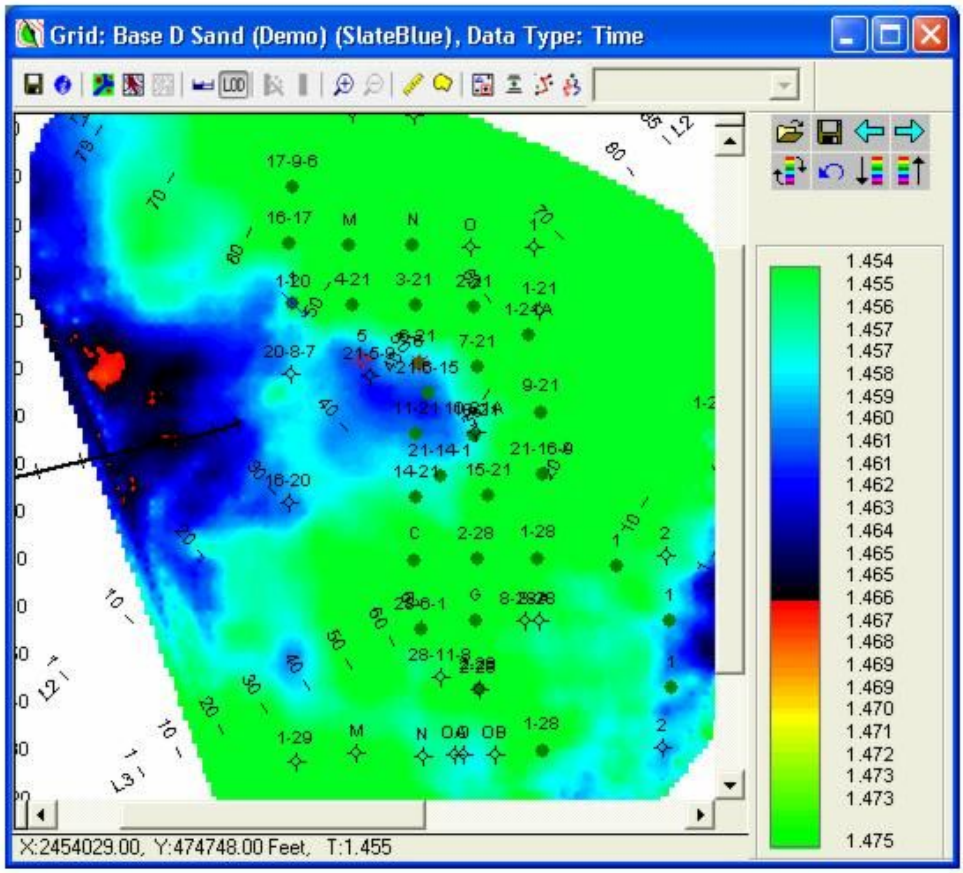
- **Input Type** specifies whether the input time surfaces are **Grids** or **Horizons**.
- **Select First Horizon/Grid** is the shallower of the two time surfaces. Use the down arrow to select first time horizon or grid that will be used to calculate the isochron control points.
- **Second Input** is the deeper of the two time surfaces. Use the down arrow to select second time horizon or grid that will be used to calculate the isochron control points.

- **View isochron when done**, when checked, automatically displays the calculated isochron map in a new base map. When unchecked, the resulting isochron map will not display on a base map but will be available in the Project Tree.

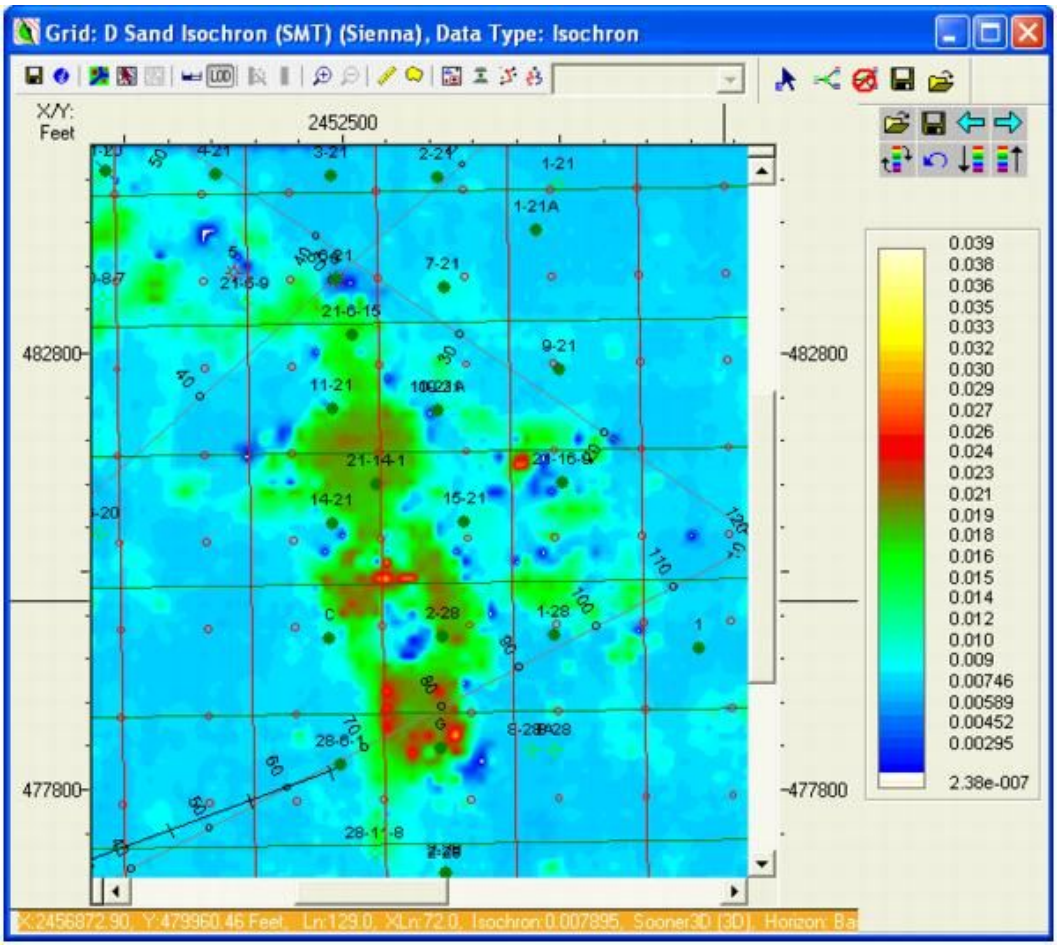
Example



Above is the resulting D Sand Grid with time values from 1.440 to 1.469 seconds.



Above is the resulting Base D Sand Grid with time values from 1.454 to 1.475 seconds.



Above is the resulting D Sand Isochron Map with time values from 0.336 to 0.245 seconds.

Tools Menu : Depth Conversion Tool : Compute Isochron Map

< >