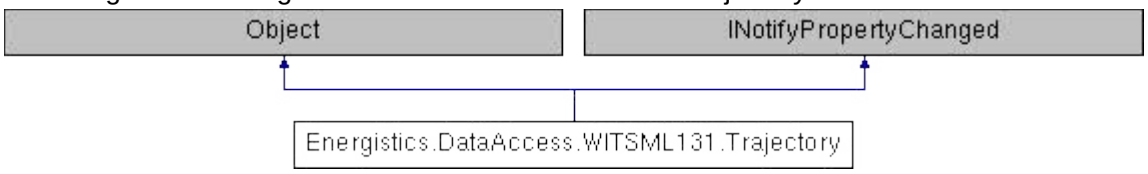
Energistics.DataAccess.WITSML131.Trajectory Class Reference

The non-contextual content of a WITSML **Trajectory** object. More...

Inheritance diagram for Energistics.DataAccess.WITSML131.Trajectory:



Protected Member Functions

void **NotifyPropertyChanged** (String info)

Properties

String **NameWell** `[get, set]`
Human recognizable context for the well that contains the wellbore.

String **NameWellbore** `[get, set]`
Human recognizable context for the wellbore that contains the trajectory.

String **Name** `[get, set]`
Human recognizable context for the trajectory.

Boolean **ObjectGrowing** `[get, set]`
Whether or not the trajectory is growing. True ("true" or "1") indicates the that the trajectory is still growing in size (that is, trajectoryStation values are still being added). For example, it may be connected to a realtime stream. False ("false" or "0") indicates that the trajectory is closed (that is, no further trajectoryStation values will be added). Not given indicates that the status of the trajectory is not known. This value is only relevant within the context of a server.

Boolean **ObjectGrowingSpecified** `[get, set]`

RefWellboreTrajectory **ParentTrajectory** `[get, set]`
If a trajectory is tied into another trajectory, a pointer to the parent trajectory. The trajectory may be in another wellbore.

DateTime **DateTimeTrajStart** `[get, set]`
Start date and time of trajectory station measurements. Note that this is NOT a server query parameter.

Boolean **DateTimeTrajStartSpecified** `[get, set]`

DateTime **DateTimeTrajEnd** `[get, set]`

	End date and time of trajectory station measurements. Note that this is NOT a server query parameter.
Boolean	**DateTimeTrajEndSpecified** `[get, set]`
MeasuredDepthCoord	**MDMin** `[get, set]` Minimum measured depth of trajectory. This is a query parameter. It's value will be populated by the server to reflect the values of md in the returned trajectoryStations.
MeasuredDepthCoord	**MDMax** `[get, set]` Maximum measured depth of trajectory. This is a query parameter. It's value will be populated by the server to reflect the values of md in the returned trajectoryStations.
String	**ServiceCompany** `[get, set]` Name of contractor who provided the service.
PlaneAngleMeasure	**MagDeclUsed** `[get, set]` Magnetic declination used to correct a magnetic survey. Starting value if stations have individual values.
PlaneAngleMeasure	**GridCorUsed** `[get, set]` Grid correction used to correct a survey. Starting value if stations have individual values.
PlaneAngleMeasure	**AziVertSect** `[get, set]` Azimuth used for vertical section plot/computations.
LengthMeasure	**DispNSVertSectOrig** `[get, set]` Origin north-south used for vertical section plot/computations.
LengthMeasure	**DispEWVertSectOrig** `[get, set]` Origin east-west used for vertical section plot/computations.
Boolean	**Definitive** `[get, set]` True ("true" or "1") indicates that this trajectory is definitive for this wellbore. False ("false" or "0") or not given indicates otherwise. There can only be one trajectory per wellbore with definitive=true and it must define the geometry of the whole wellbore (surface to bottom). The definitive trajectory may represent a composite of information in many other trajectories. A query requesting a subset of the possible information can provide a simplistic view of the geometry of the wellbore.
Boolean	**DefinitiveSpecified** `[get, set]`
Boolean	**Memory** `[get, set]` Is trajectory a result of a memory dump from a tool? Values are "true" (or "1") and "false" (or "0").
Boolean	**MemorySpecified** `[get, set]`
Boolean	**FinalTraj** `[get, set]`

	Is trajectory a final or intermediate/preliminary? Values are "true" (or "1") and "false" (or "0").
Boolean	**FinalTrajSpecified** [get, set]
AziRef	**AziRef** [get, set] Specifies the definition of north. While this is optional because of legacy data, it is strongly recommended that this always be specified.
Boolean	**AziRefSpecified** [get, set]
List< **TrajectoryStation** >	**TrajectoryStation** [get, set] Container element for trajectory station elements.
CommonData	**CommonData** [get, set] A container element that contains elements that are common to all data objects.
CustomData	**CustomData** [get, set] A container element that can contain custom or user defined data elements.
String	**UidWell** [get, set]
String	**UidWellbore** [get, set]
String	**Uid** [get, set]

Events

PropertyChangedEventHandler	**PropertyChanged**

Detailed Description

The non-contextual content of a WITSML **Trajectory** object.

Member Function Documentation

void
Energistics.DataAccess.WITSML131.Trajectory.NotifyPropertyChanged (String info) protected

Triggers PropertyChanged Event

Parameters

info Name of property changed

Property Documentation

AziRef Energistics.DataAccess.WITSML131.Trajectory.AziRef get set

Specifies the definition of north. While this is optional because of legacy data, it is strongly recommended that this always be specified.

Boolean Energistics.DataAccess.WITSML131.Trajectory.AziRefSpecified get set

aziRefSpecified property

PlaneAngleMeasure Energistics.DataAccess.WITSML131.Trajectory.AziVertSect get set

Azimuth used for vertical section plot/computations.

CommonData Energistics.DataAccess.WITSML131.Trajectory.CommonData get set

A container element that contains elements that are common to all data objects.

CustomData Energistics.DataAccess.WITSML131.Trajectory.CustomData get set

A container element that can contain custom or user defined data elements.

DateTime Energistics.DataAccess.WITSML131.Trajectory.DateTimeTrajEnd get set

End date and time of trajectory station measurements. Note that this is NOT a server query parameter.

Boolean Energistics.DataAccess.WITSML131.Trajectory.DateTimeTrajEndSpecified get set

dTimTrajEndSpecified property

DateTime Energistics.DataAccess.WITSML131.Trajectory.DateTimeTrajStart get set

Start date and time of trajectory station measurements. Note that this is NOT a server query parameter.

Boolean Energistics.DataAccess.WITSML131.Trajectory.DateTimeTrajStartSpecified get set

dTimTrajStartSpecified property

Boolean Energistics.DataAccess.WITSML131.Trajectory.Definitive get set

True ("true" or "1") indicates that this trajectory is definitive for this wellbore. False ("false" or "0") or not given indicates otherwise. There can only be one trajectory per wellbore with definitive=true and it must define the geometry of the whole wellbore (surface to bottom). The definitive trajectory may represent a composite of information in many other trajectories. A query requesting a subset of the possible information can provide a simplistic view of the geometry of the wellbore.

Boolean Energistics.DataAccess.WITSML131.Trajectory.DefinitiveSpecified get set

definitiveSpecified property

LengthMeasure Energistics.DataAccess.WITSML131.Trajectory.DispEWVertSectOrig get set

Origin east-west used for vertical section plot/computations.

LengthMeasure Energistics.DataAccess.WITSML131.Trajectory.DispNSVertSectOrig get set

Origin north-south used for vertical section plot/computations.

Boolean Energistics.DataAccess.WITSML131.Trajectory.FinalTraj get set

Is trajectory a final or intermediate/preliminary? Values are "true" (or "1") and "false" (or "0").

Boolean Energistics.DataAccess.WITSML131.Trajectory.FinalTrajSpecified get set

finalTrajSpecified property

PlaneAngleMeasure Energistics.DataAccess.WITSML131.Trajectory.GridCorUsed get set

Grid correction used to correct a survey. Starting value if stations have individual values.

PlaneAngleMeasure Energistics.DataAccess.WITSML131.Trajectory.MagDeclUsed get set

Magnetic declination used to correct a magnetic survey. Starting value if stations have individual values.

MeasuredDepthCoord Energistics.DataAccess.WITSML131.Trajectory.MDMax get set

Maximum measured depth of trajectory. This is a query parameter. It's value will be populated by the server to reflect the values of md in the returned trajectoryStations.

MeasuredDepthCoord Energistics.DataAccess.WITSML131.Trajectory.MDMin get set

Minimum measured depth of trajectory. This is a query parameter. It's value will be populated by the server to reflect the values of md in the returned trajectoryStations.

Boolean Energistics.DataAccess.WITSML131.Trajectory.Memory get set

Is trajectory a result of a memory dump from a tool? Values are "true" (or "1") and "false" (or "0").

Boolean Energistics.DataAccess.WITSML131.Trajectory.MemorySpecified get set

memorySpecified property

String Energistics.DataAccess.WITSML131.Trajectory.Name get set

Human recognizable context for the trajectory.

String Energistics.DataAccess.WITSML131.Trajectory.NameWell get set

Human recognizable context for the well that contains the wellbore.

String Energistics.DataAccess.WITSML131.Trajectory.NameWellbore get set

Human recognizable context for the wellbore that contains the trajectory.

Boolean Energistics.DataAccess.WITSML131.Trajectory.ObjectGrowing get set

Whether or not the trajectory is growing. True ("true" or "1") indicates the that the trajectory is still growing in size (that is, trajectoryStation values are still being added). For example, it may be connected to a realtime stream. False ("false" or "0") indicates that the trajectory is closed (that is, no further trajectoryStation values will be added). Not given indicates that the status of the trajectory is not known. This value is only relevant within the context of a server.

Boolean Energistics.DataAccess.WITSML131.Trajectory.ObjectGrowingSpecified get set

objectGrowingSpecified property

RefWellboreTrajectory Energistics.DataAccess.WITSML131.Trajectory.ParentTrajectory get set

If a trajectory is tied into another trajectory, a pointer to the parent trajectory. The trajectory may be in another wellbore.

String Energistics.DataAccess.WITSML131.Trajectory.ServiceCompany get set

Name of contractor who provided the service.

List<TrajectoryStation> Energistics.DataAccess.WITSML131.Trajectory.TrajectoryStation get set

Container element for trajectory station elements.

String Energistics.DataAccess.WITSML131.Trajectory.Uid get set

uid property

String Energistics.DataAccess.WITSML131.Trajectory.UidWell get set

Unique identifier for the well. This uniquely represents the well referenced by the (possibly non-unique) nameWell.

String Energistics.DataAccess.WITSML131.Trajectory.UidWellbore get set

Unique identifier for the wellbore. This uniquely represents the wellbore referenced by the (possibly non-unique) nameWellbore.

Event Documentation

PropertyChangedEventHandler Energistics.DataAccess.WITSML131.Trajectory.PropertyChanged

Occurs when a property value changes.

The documentation for this class was generated from the following file:

- C:/Projects/StandardsDevkit/DevKitGenerator/DataAccess/WITSML131/DataObjects.cs