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Connect 2019.1

Plug-in for the Petrel* Platform



GVERSE™ Connect

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Data interoperability is critical in optimizing the accuracy of reservoir characterization and maximizing the productivity of the entire asset team. GVERSE Connect was developed to address the need for data interoperability between the Petrel® E&P software platform and GeoGraphix, ultimately letting users to solve complex business problems efficiently by providing application choice. GVERSE™ Connect transfers well, seismic and map data to maintain an integrated interpretation environment, enabling efficient data exchange between two industry-leading E&P technologies and giving geoscientists the ability to use “best of breed” applications without data migration issues and related delays.

Data can be transferred to an empty project (in either vendor’s system) or into an existing project, and the transfer rules are configurable according to the data management policies of the organization.

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Bidirectional data transfer for the following data types is supported:

- Well data - which includes headers, directional surveys, well tops, log curves, velocity surveys and faults.
- Seismic interpretations including horizons and faults marked on 2D and 3D volumes.
- XYZ surfaces generated in either application.

The plugin uses Ocean* software development framework to bridge the applications.

Benefits

Increased User Productivity: For organizations using both Petrel and GeoGraphix, data loading will be exponentially faster than manual data transfer.

Optimized Reservoir Characterization: Enhances reservoir characterization by combining the strengths of both software solutions into one interpretation.

Reduced Costs: GeoGraphix provides an affordable, comprehensive and performant solution for daily interpretation needs and complements Petrel's high science, higher cost solution for reservoir modeling. Rightsizing the solution to the customer's needs whilst enabling full data interoperability provides an opportunity to dramatically reduce software licensing costs and associated annual maintenance and support fees.

Quick Setup: Seamless transfer of well data into GeoGraphix let's geoscientists take advantage of GeoGraphix's geophysical, geological, petrophysical and GIS capabilities for faster, and more accurate interpretation.

Key Features

- Supports well filters from GeoGraphix and saved searches from Petrel, limiting data transfers to required wells only.
- Maintains a comprehensive logging mechanism to track and audit all well data transferred.
- Supports a full complement of data overwrite options to help synchronize well data between Petrel and GeoGraphix
- Uses source lists and formation lists limit data transfer to selected data only.
- Saved user preferences reduce setup and transfer time.



Discover your efficiency with GeoGraphix:

- **Integrated solution:** GeoGraphix, being an integrated interpretation system, supports larger multidiscipline work groups simultaneously on the same project. Using the GeoGraphix for Petrel plugin enables modeling users to carve out smaller datasets to move into the Petrel project to efficiently fulfill their modeling needs.
- **Powerful, multi-well petrophysical analysis and modeling** within GeoGraphix can be applied to the transferred Petrel well data of all sizes and complexity from individual wells to multi-well, multi-zone projects.
- **Leading edge mapping:** Leverage advanced GeoGraphix mapping and GIS capabilities. In a few easy steps, Petrel surfaces are transferred into GeoGraphix to produce presentation quality maps.
- **Field/Well Planning:** Take advantage of the field and well planning capabilities in GeoGraphix for planning horizontals in unconventional plays.

Requirements

Licenses

The following licenses are required to run the plug-in:

- GeoGraphix license version 2019.1 or 2017.1
- Petrel 2017.x, 2016.x or 2015.x license
- GVERSE® Connect license version 2019.1

The following product/feature licenses are required to import/export the IsoMap surfaces, and horizons and faults:

- IsoMap license for surfaces
- SeisVision license for horizon & faults

Hardware

The hardware requirements for the plug-in are the same as the Petrel hardware requirements.

Software

- GeoGraphix 2019.1 or 2017.3
- Petrel® 2015.x, 2016.x, or 2017.x
- Microsoft® Visual C++ Runtime 2013
- LMKR License Management Tool 2016.1 for Connect license .The LMKR License Management Tool (LMT) must be installed to configure the Connect license

Operating System(s)

- Windows® 7 Professional x64
- Windows® 7 Enterprise x64
- Windows® 7 Ultimate x64
- Windows® 10 Professional x64.
- Windows® 10 Enterprise x64.