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General Information

Date	**January 11, 2021**
Products	**GVERSE® Petrophysics, GVERSE® Geophysics, GeoAtlas, WellBase, QueryBuilder, DepthRegistration, ProjectExplorer**
Version	**2019.3 Service Pack 1 for GeoGraphix®**
Build Number	**19.3.19702.0**
ECCN	**This GeoGraphix service pack is exported under license exception TSU**
Platform	**Windows® 7 or 10, 64-bit**
Prerequisite Updates	**GeoGraphix 2019.3 must be installed**
Supersedes Version	**None**
Compatible Releases	**2019.3**
Checksum for .exe (MD5)	**3468b0ccd33b033be34fa51f34872c4c Discovery2019.3.1setup.exe**

What's in this Release?

This service pack includes new features, bug fixes and enhancements. The Fixed Issues section highlights customer reported bugs fixed in this service pack.

Service Pack Dependencies

GeoGraphix 2019.3 must be installed prior to the installation of this service pack. Discovery on OpenWorks (DOW) is partially supported for this service pack, and may not work for all the workflows.

New Features

GVERSE Petrophysics

Multi-Well CSV Export

Export log data for multiple wells in CSV format, which enables you to use data in other applications outside of GVERSE/GeoGraphix.

Core Curves Names Synchronization

Core curve names can be synchronized across selected GVERSE and GeoGraphix applications, thereby ensuring consistency.

Post Treatment Types Data on Log Template

Treatment types data from the Perforations table in a Completion record can now be posted on a log template.

Import Curves to Composite Curve Sets

You can now import curves to new or existing curve sets in a well.

Delete Multiple Curves

GVERSE Petrophysics has introduced the ability to delete multiple curves with a single click.

ProjectExplorer

Dipmeter Data Import History

Imported dipmeter data history is now maintained in the Import History dialog box in ProjectExplorer.

GeoAtlas

Support for ESRI ArcGIS 10.8/10.8.1

All GeoGraphix applications support the latest ESRI ArcGIS 10.8 and 10.8.1 versions.

Add Source to Formation Tops in Conditional Pies

Create conditional pies on the basis of formation tops that belong to a particular source. These conditional pies are then displayed on the map.

Color Coded Well Intervals

Apply thematic mapping to show well interval types in desired colors.

WellBase

Import Wells Data without Adding New Wells

There is a provision not to add new wells to the project database while importing well data using the Import Spreadsheet feature.

Import Dipmeter and Interval Data from Spreadsheet

Dipmeter and interval data can now be brought into the database using the Import Spreadsheet feature.

User Defined Field Captions Honored during Data Import

Edited field captions in WellBase are honored in the following cases:

- Importing data using the Import Spreadsheet feature.
- Creating conditional pie layers.
- Exporting query results in QueryBuilder.

Tab View in WellBase

A new view (Tab View) has been added to the WellBase Zones tab which makes manipulating large amounts of attribute data much easier.

Zone and Attribute Filter in Tab View

Zones and attributes can be filtered in Tab View using the Zones and Attributes Filter.

Delete Interval Data Types

Multiple Interval data types can now be deleted with a single click.

Delete Formation(s) by Source

You can now delete a single formation or a group of formations by source.

DepthRegistration

Export Raster Logs in MJ REG Format

Raster logs can also be exported to MJ REG format, which can then be used in other applications.

QueryBuilder

Filter Wells based on Interval Data

Wells can now be filtered on the basis of interval data in QueryBuilder.

Fixed Issues

GVERSE Geophysics

ID	Fix Description
212654	The default view within the 3D View toolbar is changed from New 3D View to 3D View 1. This allows addition of 3D objects to an existing 3D View instead of a new one.
214020	Sometimes, the color palettes for horizons and faults are flipped when these objects are added to the map or 3D scene in the GVERSE Geophysics 3D module. This issue has been fixed.
214070	In certain scenarios, the application crashed while calculating attributes and surfaces for a geobody. This issue has been fixed.
214074	When the application sent refresh calls to keep the main interface and 3D module of GVERSE Geophysics in sync, the main interface always went to the background even if it was active. This issue has been fixed and now the currently used window remains active in the foreground.
214577	Attribute volumes created with GVERSE Attributes in integrated mode were added to the Geophysics interpretation as a new survey instead of as a version to the source survey. This issue has been fixed.
215822	Horizons converted using the 'IsoMap Layer to Horizon' utility were not shown correctly on seismic data. This issue has been fixed by applying proper unit conversion on X/Y and Z values separately.

WellBase

ID	Fix Description
209997	When ASCII4 records for the Dominion Land System were bulk imported into a project restored from older versions, a script error was encountered followed by connection termination and other errors. This issue has been fixed.

Install Instructions

To install:
1. **GeoGraphix 2019.3** must be installed.
2. Shutdown all **GeoGraphix 2019.3** applications and services.
3. Download **Discovery2019.3.1Setup.exe** to a folder on your hard drive.
4. Right-click **Discovery2019.3.1Setup.exe**, and then select **Run as Administrator** from the context menu.

Uninstall Instructions

To uninstall the GeoGraphix service pack:
1. Open the **Programs and Features** applet by selecting **Start >> Control Panel >> Programs and Features**.
2. Click **View Installed Updates** on the left panel of the **Programs and Features** applet.
3. Select **Discovery 2019.3.1**.
4. Right-click, and then select **Uninstall** to remove the service pack.

Files Updated

Due to base library changes, almost all the EXE files have been updated.

DISCLAIMER

If you have any questions or encounter any problems, please visit the **GVERSE GeoGraphix website**:
http://gverse.com/
Or, contact Customer Support in your region. Refer to the **Contacting LMKR** section for details.

Contacting LMKR

Our new dedicated system is accessible via local call-in numbers* and is an alternative way for you to submit a technical support case and/or speak directly with a GeoGraphix Support Analyst.

*Contact Us:
North & South America
Toll Free (US/Canada): + 1 855 GGX LMKR (449 5657)
Colombia: +57 1381 4908
United States: +1 303 295 0020
Canada: +1 587 233 4004

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UK: +44 20 3608 8042

Middle East & Africa
UAE: +971 4 3727 999

Asia Pacific & Australian Continent
Malaysia: +60 32 300 8777

Southwest Asian countries
Pakistan: +92 51 209 7400

Support via Web Portal

You can also submit a support request directly to LMKR Customer Support by registering a case through the **GVERSE GeoGraphix Customer Support Portal**: https://gverse.com/support
To request support in the LMKR Customer Support Portal:

1. In the main support page, **login** using your registered email and password. Please register your email before you access the site.
2. Select the **Case Management** tab or use the **Manage Cases** link on the main support page.
3. In the **Case Management** tab, click the **Create a New Case** link.
4. In the **Create Case** page, fill in the necessary information. Provide details about your technical concern, including any error messages, the workflow steps where the problem occurred, and attach screenshot that display the problem. You can also attach other files, such as example data files, which may help understanding the issue
5. Click the **Create Case** button. A support analyst in the nearest Technical Assistance Center will respond to your request.

We will ensure a quick and satisfactory answer to your query. If the problem cannot be resolved over the phone at the regional level, an escalation team will take over the resolution of your support case and will get back to you without delay.