INTELLIGENT GEOSCIENCE
W/ ACTIONABLE INSIGHTS

Latest Release

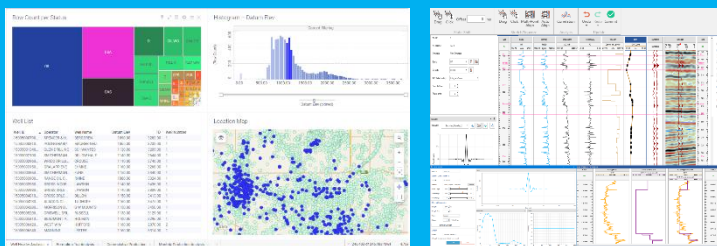**GVERSE** **GeoGraphix**
2019.3

AVAILABLE FOR DOWNLOAD ▼

The NEW GVERSE GeoGraphix 2019.3 release has a renewed focus on data management and mapping, significant enhancements to our geomodeling tools and new features in geophysics that really raise the bar around affordable seismic interpretation.

GeoGraphix 2019.3 demonstrates our commitment to providing the most advanced, affordable and integrated tools for the professional geoscientist.

Apply the latest geoscience technology with GVERSE GeoGraphix 2019.3

Release Highlights

- Spotfire Integration.
- New Ribbon Interfaces for WellBase and QueryBuilder.
- Calculate interpolated formation tops from Isomap layers.
- New XY location tool in GeoAtlas.
- Automatically calculate grid convergence angles for well surveys using any map projection.
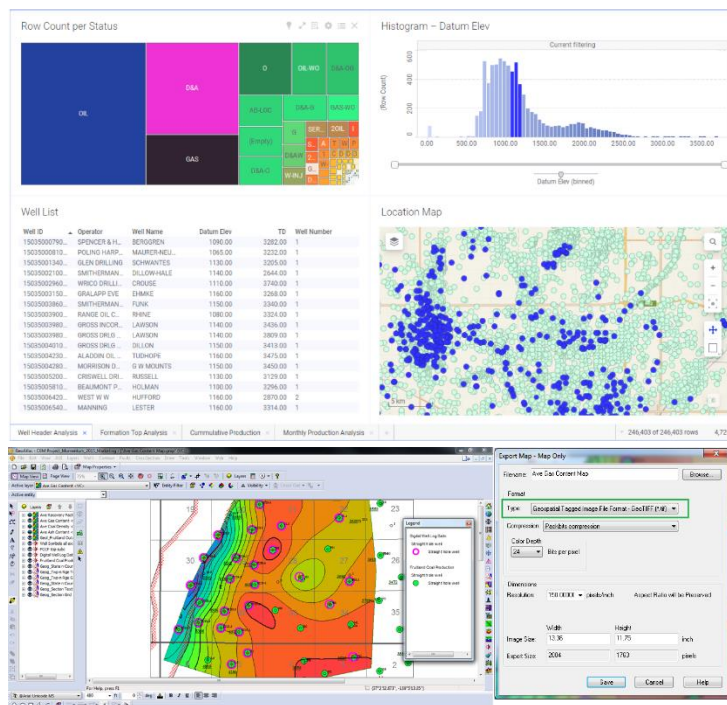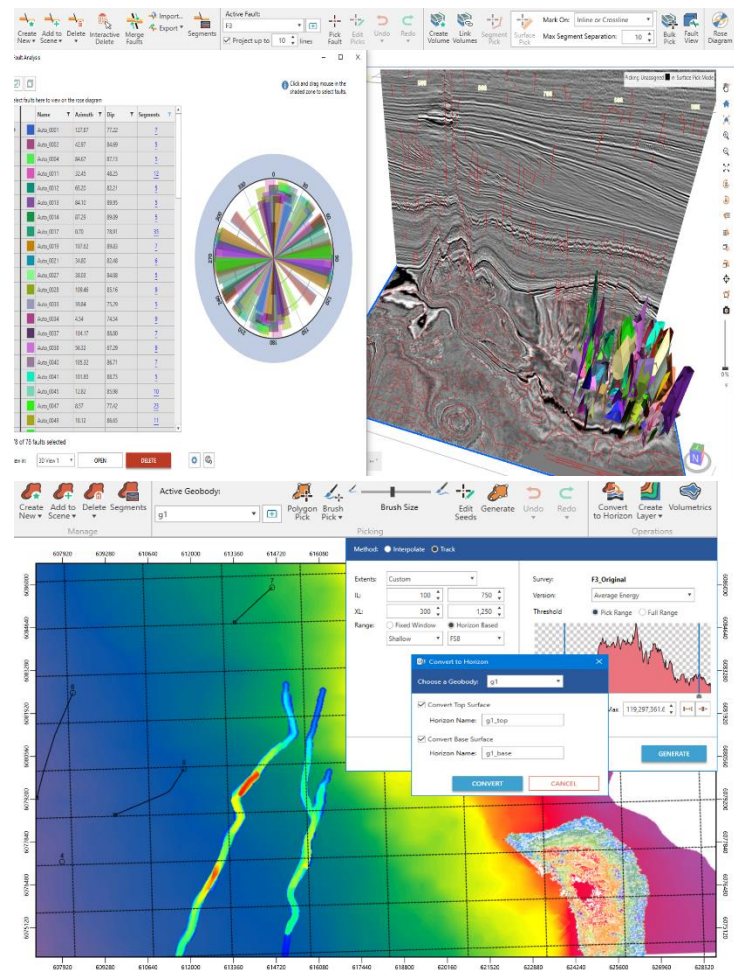
Data Management & Mapping

1. Data Analytics through Spotfire Integration.

2. Create interpolated tops from IsoMap layers and use to define zones and attributes

3. New find XY location tool in GeoAtlas

4. Support for ESRI ArcGIS 10.7 and 10.7.1

5. Automatically calculate grid convergence angles for well surveys.

6. Display conditional pies using zone filters.

7. Export GeoAtlas maps as geotiffs.

8. New Microsoft Ribbon interface in WellBase and QueryBuilder.
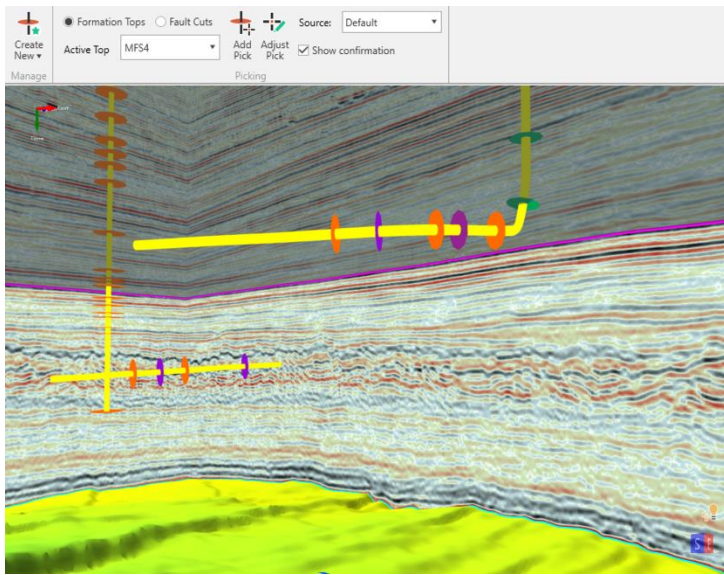

GVERSE Geophysics

1. End-to-End synthetic creation and editing
   a. Updated interface for creating and editing synthetic traces
   b. Create synthetic for deviated wells
   c. Extract wavelets from seismic
   d. Calibrate, process and estimate log curves

2. Automatic Fault Interpretation
   a. Specialized fault attribute volumes to detect faults
   b. Create fault segments and surfaces automatically or bulk pick fault surfaces into interpretation
   c. Interactive rose diagram to quickly analyze and QC faults
   d. Faster manual editing by projecting faults on sections, merging, deleting and enhanced segment editing tools.

3. Crossplots for seismic volumes, well data and attribute surfaces

4. Depth conversion improvements
   a. Use seismic velocity data to create velocity models
   b. Incorporate multiple observations in velocity models
   c. Create triangulated velocity models using T/D tables of selected wells
   d. Algorithmic improvements to create more accurate models

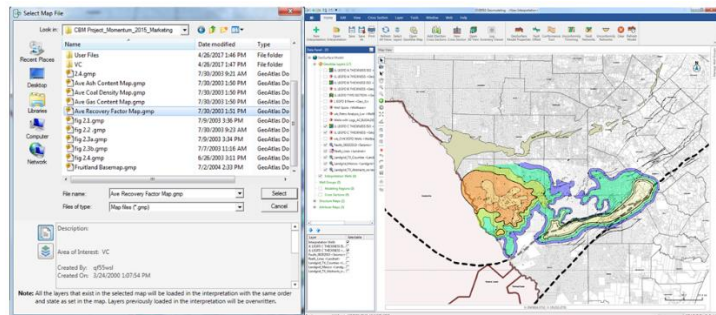5. Well Top Picking & Editing

6. Updated 2D line balancing
   a. 2D shifts table to add, edit and search shifts for all 2D lines
   b. Import and export shift values to ASCII files
   c. Updated interface and workflow for interactive line balancing

7. Lighting capability, microseismic data, crossplot points, attribute surfaces and more in 3D

8. Usability enhancements for improved productivity

GVERSE Geomodeling

1. Performance improvements in user requested workflows. These include;
   a. Reloading Surfaces and faults after adding, modifying or deleting interwell points
   b. Refreshing All Views
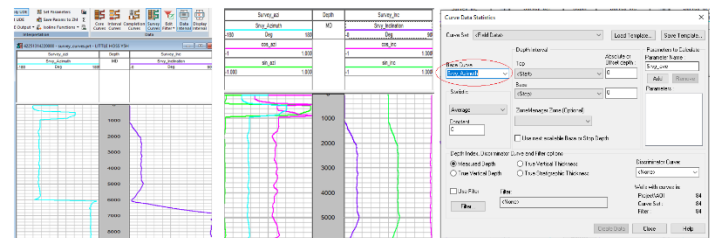
2. Ability to open GeoAtlas Maps in GVERSE Geomodeling

3. Opening XSection cross sections in GVERSE Geomodeling

4. Launching XSection cross sections in GVERSE Geomodeling from XSection layers.

5. Improvements in Well Statistics module by introducing Completions, Perforations, IP, Casing and DSTs in Well Zone calculations.

6. Ability to export smartSTRAT tie points.

7. Ability to show well intersections for active surface in map view.

8. Spatial Polygonal Selection for selecting wells for different operations like creating cross section or calculating well statistics etc.

9. Ability to create spatial cross sections in defined directions.

10. Ability to add/remove model zones.

11. Showing distance between wells in cross section view.

GVERSE Petrophysics

1. New Well Filter For Wells with Curves that extent to selected Zone depths or Formation Tops

2. Alphanumeric Data handling in LAS Import

3. Use directional Survey (Azimuth and Inclination) data as Curves in Petrophysics analysis.

$cos\_azi[] = cos(Srvy\_Azimuth[])$
$sin\_azi[] = sin(Srvy\_Azimuth[])$
$cos\_inc[] = cos(Srvy\_Inclination[])$
$sin\_inc[] = sin(Srvy\_Inclination[])$

Directional Survey data of Inclination and Azimuth can be used in Petrophysics as Curves

4. Graphical Curve Splicing

5. UDE Editor fixes and improvement

6. Find Feature in Image list for displaying in Image Track of Log Template

7. Sorted lists of attributes in Assign Field Data Curvesets and Delete computed Curve sets

8. Customer Fixes

9. Server Busy error while creating IsoMap Layer from Curve Data Statistics

10. Depth Registration Crash on Editing Depth

11. Depth Registration Crash on corrupted user, glp files

Field Planner

1. Ability to export well survey points in Geographic coordinates or custom projected coordinates.

2. Improvements in SAGD workflow by introducing following enhancements.
   a. Ability to create pods by moving slots on map view.
   b. Ability to select and modify properties for Producers and Injectors individually on map view.

Requirements

To run the application, you need one of the following operating systems installed on your system:

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

Licenses

The following licenses are required to run the software:
- GeoGraphix license version 2019.3
- GVERSE® Geophysics license version 2019.3

Hardware

Minimum

- 2.4 GHz 64-bit processor
- 8 GB RAM
- Any DirectX 11.1 capable card comparable with Nvidia® GeForce GTX 430 with 1GB VRAM. DirectX is not shipped with GeoGraphix 2019.1.
  You must download and install it separately.
- 1366 x 768 screen resolution

Recommended

- Quad 3.2 GHz 64-bit processor
- 32 GB RAM
- Any DirectX 11.1 capable card comparable with Nvidia® GeForce GTX 1060 with 6GB VRAM. DirectX is not shipped with GeoGraphix 2019.3. You must download and install it separately.
- Solid state hard disk (SSD)
- 1920 x 1080 screen resolution