GVERSE®
GeoGraphix®
Potential to Production

GVERSE FIELD PLANNER

Integrated Field Planning

A COMPLETE GEOSCIENCE PLATFORM

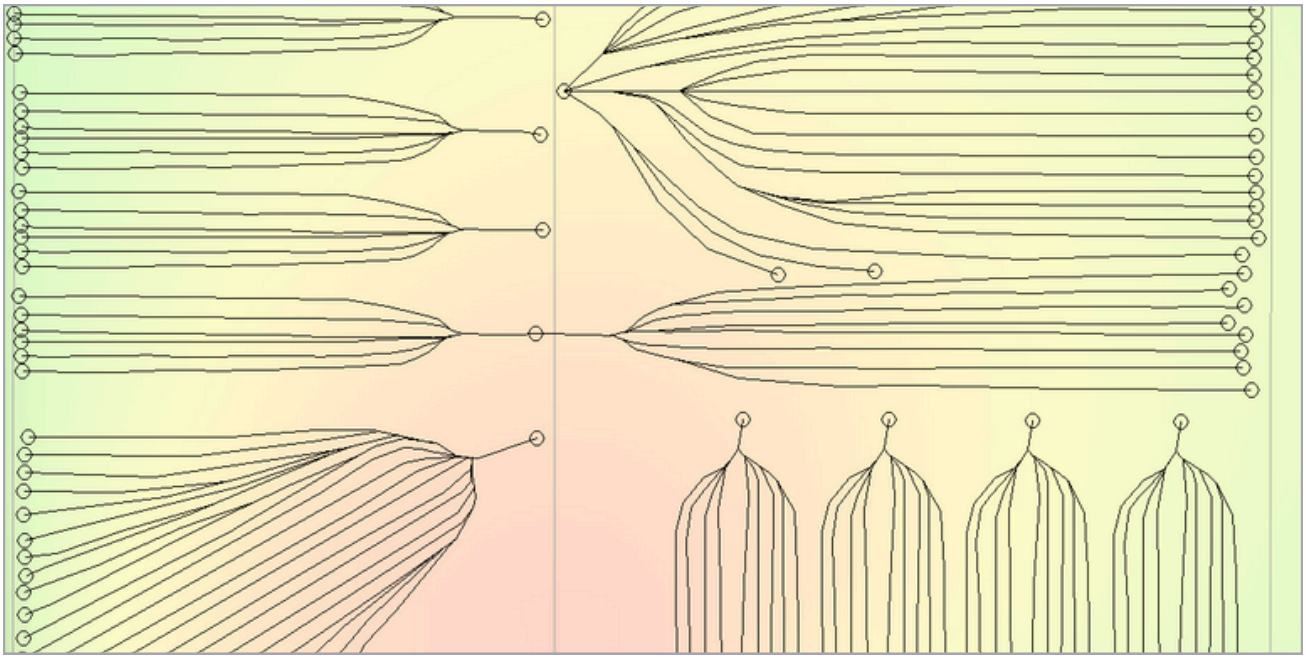
Streamline Exploration and Production Workflows

Our comprehensive GVERSE GeoGraphix solution integrates geological, geophysical, petrophysical, and data management tools allowing geoscience teams to collaborate and make rapid, accurate decisions.

GVERSE Field Planner offers powerful, quick & easy field planning capabilities that result in time and effort reductions, allowing field planners to create, save, analyze and manage multiple field plan scenarios to determine optimal hydrocarbon production.
GVERSE Field Planner intelligently positions wells across a field by considering hazards, leases, and constraints. Using advanced optimization, it lays out hundreds of wells in minutes while maximizing lateral lengths and avoiding surface hazards and existing wells. Its flexibility allows for precise adjustments to well geometry, orientation, and location during field development. Fully integrated with GeoGraphix, it streamlines the entire process.

Smarter Field Planning Starts Here

Optimize Well Placement, Improve Efficiency, and Reduce Operational Risk with Map-based Multilateral Planning Tools.



Key Benefits

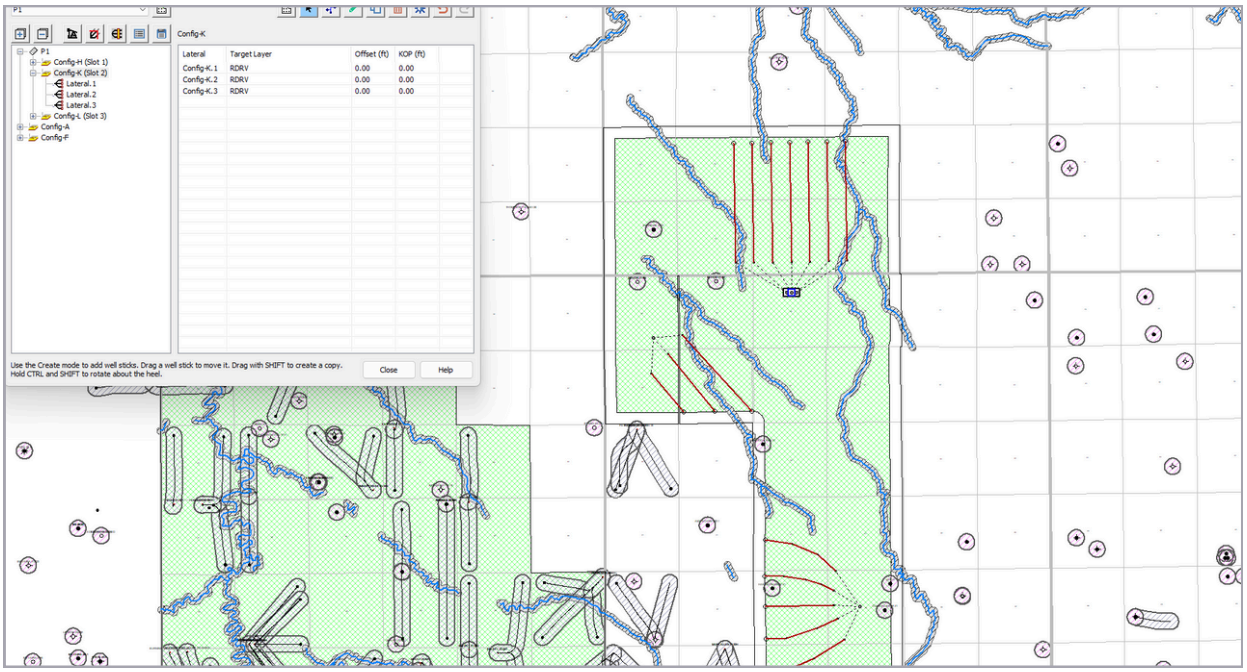
Accelerate Field Planning Workflows
Eliminate time-consuming manual steps by digitizing well pads and laterals directly on the map, reducing planning time from days to hours.

Increase Accuracy and Confidence
Design well plans with precise control over azimuths, lengths, offsets, and setbacks, ensuring geospatial and engineering accuracy.

Prioritize Operational Safety
Identify and avoid surface and subsurface hazards early in the planning process. Automatically detect well collisions and enforce setback rules to reduce drilling risk

Optimize Resource Development
Rapidly test and iterate multilateral and pad configurations to maximize reservoir contact and recovery, all while staying within lease and regulatory boundaries.

Key Features



Advanced Multilateral Planning
Design complex configurations, including multibranched, stacked, planar, fishbone, and u-laterals, directly on the **GeoAtlas** map.

Map-Based Digitization
Draw laterals and sidetracks interactively with precise control over lengths, azimuths, and offsets. Assign surface locations and generate drilling reports with ease.

Lease and Hazard Integration
Create lease tracts from existing layers and identify surface or subsurface hazards. Import DEMs to flag risky terrain and enforce setback rules automatically.

Collision and Constraint Management
Instantly detect well collisions and clip well sticks that fall outside lease areas or near hazards to ensure safe, compliant plans.

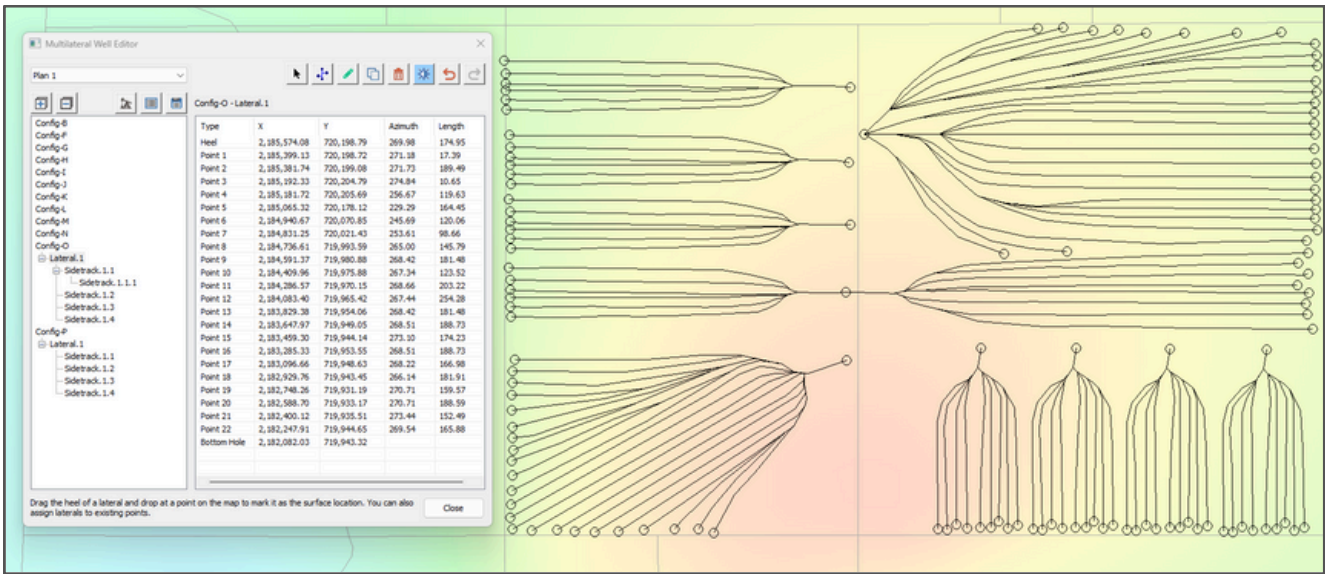
Rapid Pad and Lateral Generation
Add parallel or stacked laterals in a few clicks. Define pad slots, auto-generate well sticks with specific spacing and direction, and replicate entire configurations for fast planning at scale.

Seamless Workflow Integration
Save wells and proposed surveys directly to **WellBase** and transition to **GVERSE Planner** to complete survey design without duplicating work.

Release Highlights

Plan Multilateral Configurations

Digitize multibranched laterals, planar or stacked laterals, fishbones, u-laterals or any other multilateral configuration directly on the **GeoAtlas** map. Assign surface locations, edit and copy well sticks or the entire configuration quickly and easily. Generate geoprogs and drilling reports and save wells and proposed surveys straight to **WellBase**.



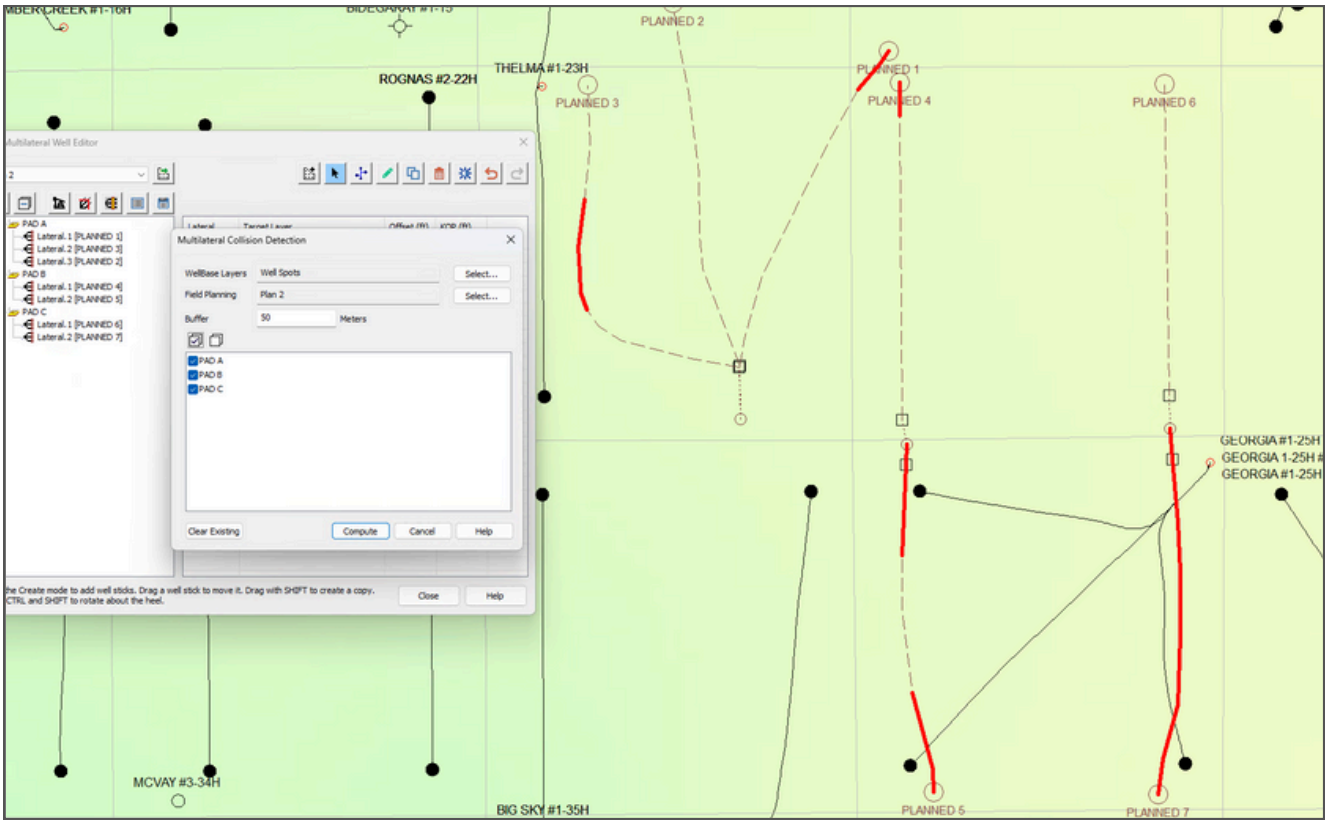
Accelerate Well Pad & Lateral Design

Add parallel and stacked laterals in just a few clicks to quickly generate dozens of well sticks. Create well pads and slot configurations for planned wells, then seamlessly switch to **GVERSE Planner** to design mechanically sound surveys. Automatically generate laterals with specified length, azimuth, and spacing. Rubber stamp well pads and multilateral configurations to accelerate field planning like never before.

Release Highlights

Develop Faster & Smarter Field Plans

Create lease tracts from any GeoGraphix layer and identify surface, subsurface, or slope hazards with ease. Import DEMs to detect risky areas for well and pad placement. Automatically enforce setbacks by clipping wells outside lease boundaries or near hazards. Quickly flag potential well collisions to accelerate safe, efficient field development.



Triton 2024 Features List

Release	Feature	Details
2024.2	Lease, Hazards & Collision Detection	• Create lease tracts from existing GeoGraphix layers • Identify surface & subsurface hazards. • Import Digital Elevation Models to detect hazardous areas for well and pad placement. • Enforce setbacks and automatically clip wells that fall outside lease area or close to surface and subsurface hazards. • Flag potential collisions with existing or planned wells.
	Pad and Well Management	• Add parallel & stacked laterals in a few clicks to quickly generate dozens of well sticks. • Create well pads and slot configurations for planned wells. Seamlessly switch to **GVERSE Planner** to create mechanically sound proposed surveys. • Automatically generate laterals of specified length, azimuth, and spacing. • Replicate well pads and multilateral configurations for rapid field planning.
2024.1	Digitize Multilateral Wells in **GeoAtlas**	• Plan all kinds of multilateral configurations – multibranched laterals, planar or stacked, fishbone patterns, u-laterals etc. • Digitize laterals and sidetracks directly on the map in **GeoAtlas**. • Get well sticks right with ability to type in lengths, azimuths and offsets. • Interactively assign surface locations on the map. • Specify target surfaces to generate geoprogs and drilling reports. • Create and save wells and proposed surveys directly to **WellBase**.

Technical Specifications

The following sections list the system requirements for the GVERSE® Field Planner:

Hardware

- 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 2024.2. You must download and install it separately.
- 1366 x 768 screen resolution

Software

The software that must be installed on the system running the GVERSE® Field Planner software is as follows:

- GVERSE GeoGraphix 2024.2
- License Management Tool 2024.1 for GVERSE® Field Planner license. License Management Tool (LMT) must be installed to configure the Field Planner license.

Operating System(s)

- *Windows® 10 Professional x64*
- *Windows® 10 Enterprise x64*
- *Windows® 11 Professional x64*
- *Windows® 11 Enterprise x64*

***Note** – It is recommended to use the latest Microsoft® service packs and security patches*

Licenses

The following licenses are required to run the application:

- *GVERSE GeoGraphix license version 2024.2*
- *GVERSE® Field Planner license version 2024.2*
- *License Management Tool version 2024.1*

.