

**GVERSE**<sup>®</sup>  
**GeoGraphix**<sup>®</sup>  
Potential to Production



# **GVERSE FIELD PLANNER**

Integrated Field Planning

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# A COMPLETE GEOSCIENCE PLATFORM



## Streamline Exploration and Production Workflows

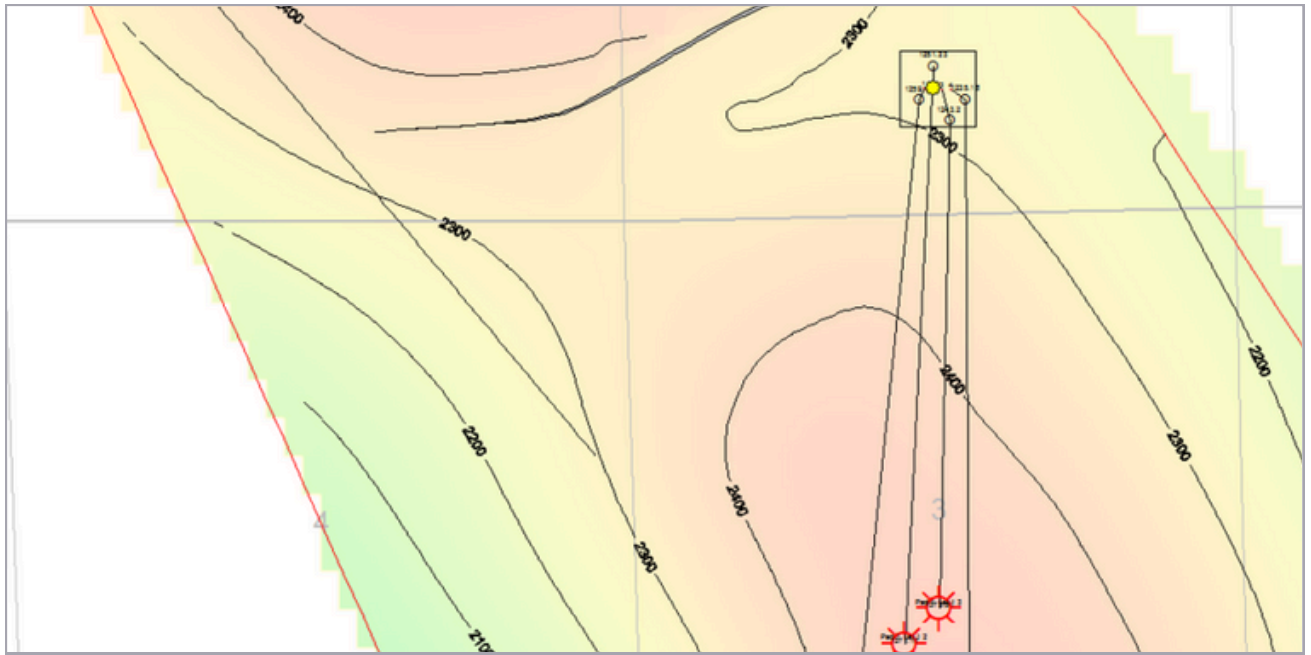
Our comprehensive GVERSE GeoGraphix solution integrates geological, geophysical, petrophysical, and data management tools allowing geoscience teams to collaborate and make rapid, accurate decisions.

**GVERSE Field Planner** offers powerful, quick & easy field planning capabilities that result in time and cost 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.

## Redefine Field Planning Strategies

*Optimize Well Placement, Maximize Efficiency, and Minimize Risks with Advanced Geospatial Planning Tools.*

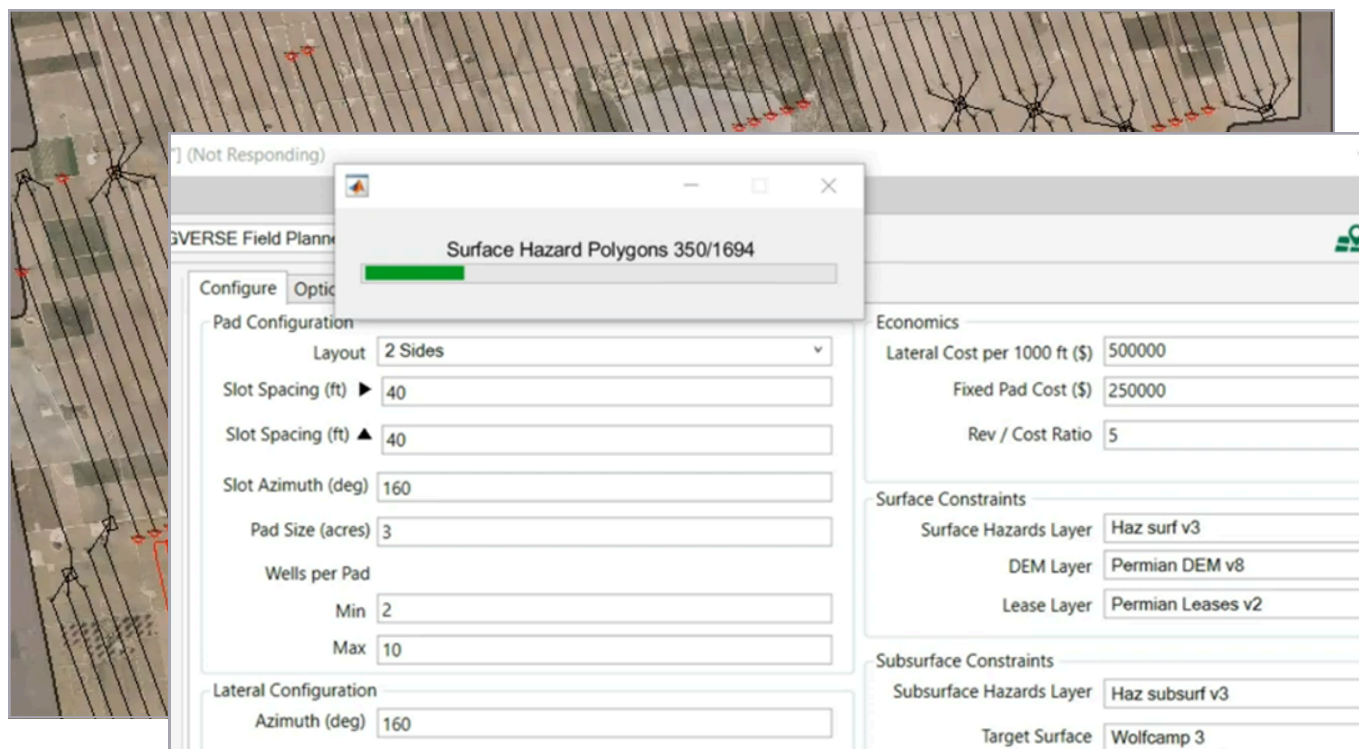


### Key Benefits

The GVERSE® FieldPlanner software offers you the following benefits:

- Overcome Geometry constraints; Build field plans that avoid restricted areas, hilly areas or existing wells.
- After defining surface and subsurface hazards, automatically layout pad and wells over the entire map area.
- Quickly create, save, and analyze multiple field plan scenarios.
- Analyze field plan scenarios to determine optimal hydrocarbon production.
- Lower economic costs.

## Key Features



### Avoid No-Go Zones

Ensure safe and efficient well placement by automatically avoiding existing wells, rivers, buildings, and environmentally sensitive areas. This helps reduce the risk of environmental or operational issues, allowing for more strategic field planning.

### Surface Hazard Management

Incorporate terrain slope data (DEM) into your plans to avoid challenging landscapes such as hilly areas. This feature ensures your field plans are more accurate and practical, saving both time and costs by considering topographical constraints.

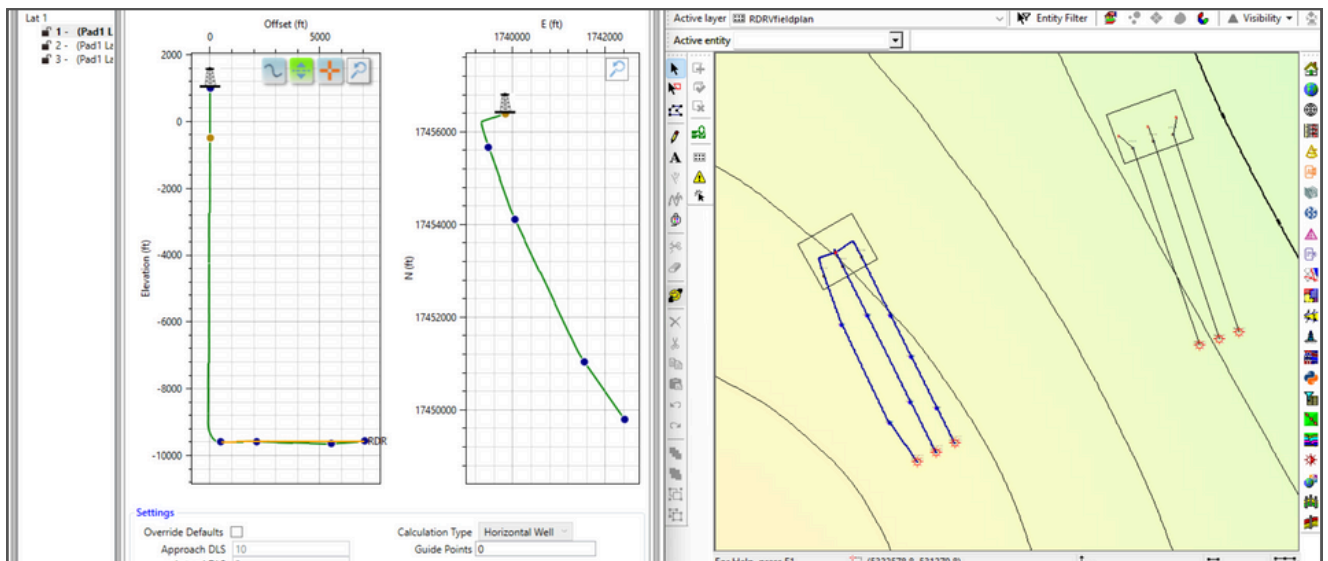
### Subsurface Hazard Avoidance

Easily bypass subsurface hazards, such as existing wells, to avoid costly drilling complications. By automatically accounting for these obstacles, you reduce risks and maintain operational safety and efficiency in well placement.

### Seamless Lease Area Integration

Add tracts and define lease areas directly within your field plans, ensuring well placements are always within legal boundaries. This simplifies compliance management and ensures that your operations are optimized within your assigned zones.

## Key Features



### Dynamic Setback Editing

Easily adjust setbacks to meet regulatory or operational requirements. Whether you need to increase the distance from a boundary or make granular changes, this feature gives you flexibility in defining well positions without compromising safety or efficiency.

### Customizable Hazard Polygons

Flexibly add or edit surface and subsurface hazard polygons, ensuring your field plan adapts to evolving risks and constraints. This gives you greater control over the safety and practicality of your well layouts as field conditions change.

### Simultaneous Well Pad and Node Adjustments

Move multiple well pads, sticks, and nodes simultaneously with SAGD (Steam-Assisted Gravity Drainage) functionality, streamlining your workflow. This allows for quicker adjustments, saving time during the planning process while maintaining accuracy.

### Precision Slot Location Management

Gain control over well slot locations by entering absolute X and Y values for precise placement. This feature offers increased accuracy for well geometry, ensuring optimal layout for production efficiency.

Benefits

Key Features

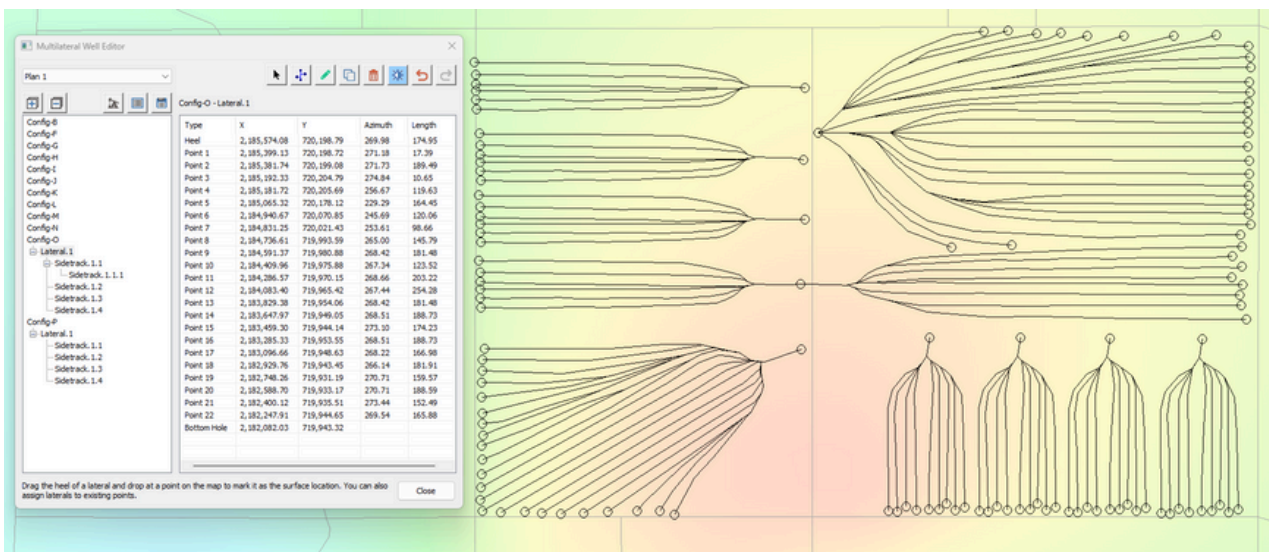
Release Highlights

Technical Specifications

## Release Highlights 2024.1

### 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 geoprog and drilling reports and save wells and proposed surveys straight to WellBase.



Benefits

Key Features

Release Highlights

Technical Specifications

## Technical Specifications

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

### Hardware Requirements

- 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 2024.1. 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 2024.1.
- License Management Tool 2024.1 for GVERSE® Field Planner license. License Management Tool (LMT) must be installed to configure the Field Planner license.
- MATLAB Runtime R2018a (9.4).

### 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 2024.1
- GVERSE® Field Planner license version 2024.1
- License Management Tool version 2024.1