LMKR GeoGraphix Pro is an upgrade option to GeoGraphix that provides geoscientists with advanced technologies to enhance their productivity and maximize their existing GeoGraphix investment. GeoGraphix Pro is a licensed upgrade to the GeoGraphix software and requires the purchase of a separate license.

The advanced technologies include:

**Advanced 3D Visualization**

If a single picture is worth a thousand words, then advanced 3D visualization from LMKR GeoGraphix offers a complete picture of the subsurface worth two thousand. With a single click, visualize an entire interpretation. How? Simply drag a bounding box around an area on a map to see all wells, cross sections, log templates and map-area subsurface layers as one, 3D scene. It's that quick. It's that easy.

**Benefits**

**Integrated 3D Environment**
Benefit from an integrated 3D environment that enhances collaboration between geoscientists, engineers and petrophysicists.

**Better Planning Decisions**
Quality controlled field plans and proposed well trajectories allow for better planning decisions.

**Fault and Hazard Identification**
Use seismic backdrops to mark faults and identify hazards.

**Fence Diagrams**
No rework! Use existing cross sections from XSection and smartSECTION to create fence diagrams in advanced 3D. Picture the interpretation.

**Log Template Display**
Advanced 3D in GeoGraphix goes well beyond blades and lathes for log display by showing entire log templates along wellbores in high resolution for a 3D, subsurface view that incorporates deep petrophysics.

**Features**

**Fence Diagrams**
No rework! Use existing cross sections from XSection and smartSECTION to create fence diagrams in advanced 3D. Picture the interpretation.

**Depth-Converted Seismic Backdrops**
Visualize depth-converted seismic backdrops around wellbores, along fence diagrams and as an inline, crossline or arb-line.

Field Planning

GeoGraphix Pro offers powerful, quick-and-easy, field planning capabilities that result in tangible, time and cost reductions. It allows field planners to create, save, analyze and manage multiple, field plan scenarios before committing them to the database.

Designed for horizontal well plans, the planner includes determination of the optimum location and orientation of wells.

Benefits

• Quickly create, save, and analyze multiple, field plan scenarios
• Analyze field plan scenarios to determine optimal, hydrocarbon production
• Visualize planned wells and geomodels in advanced 3D
• Create proposed surveys for all wells on a pad with LMKR Well Planner*

*LMKR Well Planner from LMKR is designed with the key requirements of efficient field planning in mind. It requires the purchase of a separate license.

Features

New Pad Design Capabilities
• Set number of slots and wells per pad
• Set wellbore orientation
• Set slot spacing

Create Proposed Track Plans for All Wells on a Pad
• Select heel and toe targets on a subsurface layer
• Set target offset to above or below surface
• Calculate the locations of well "sticks"

Analyze Multiple Field Plan Scenarios
• Create pad location and spacing scenarios
• Analyze planning scenarios without saving to the database
• Create proposed well surveys with LMKR Well Planner
• Generate "Pipe in Plan" and "Pipe in Zone" reports

Field Plan Pads and Proposed Well Locations on a Single, GeoAtlas Layer
• Save field plan scenarios as separate layers for easy management

Requirements

GeoGraphix Pro is a licensed upgrade to the GeoGraphix software and requires the purchase of a separate license.

Hardware (Minimum)
• 2.4GHz 64-bit Intel class or better
• 4GB RAM
• 1,024 x 768 graphics resolution
• CD-ROM drive
• 19-inch monitor

Hardware (Recommended)
• Quad 2.4 GHz 64-bit Intel class or Better
• 8 GB RAM or greater
• Graphics card with hardware support for DirectX 11 and 2GB dedicated VRAM
• DVD-RW drive

Software
• Microsoft® .NET 4.5
• Microsoft DirectX 11

Operating System(s)
• Windows® 7 Professional x64
• Windows® 7 Enterprise x64
• Windows® 7 Ultimate x64