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.

**Mapping & Visualization**

**Fence Diagrams**
No rework! Existing cross sections from XSection and smartSECTION® are used 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.

**Log Template Display**
Advanced 3D visualization 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.

**Draped Layers on 3D Surfaces**
Contours, satellite images, landgrids or any other visible map elements can be draped on a subsurface layer.

**Spatial Analysis**
To pinpoint sweet spots within the 3D scene, display attributes using bubble maps and pie charts.

**Histogram Controls**
To better understand a structure, analyze surface and seismic data using histogram controls in 3D.

**Editable Formation Tops**
Instantly update cross-section and geo-modeled surfaces by adding or editing formation tops on wells.
Advanced 3D Visualization

Requirements

<table>
<thead>
<tr>
<th>Hardware (MINIMUM)</th>
<th>Hardware (RECOMMENDED)</th>
<th>Software</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 2.4GHz 64-bit Intel class or better</td>
<td>• Quad 2.4 GHz 64-bit Intel class or better</td>
<td>• Microsoft® .NET 4.5</td>
</tr>
<tr>
<td>• 4GB RAM</td>
<td>• 16 GB RAM or greater</td>
<td>• Microsoft® DirectX 11</td>
</tr>
<tr>
<td>• 1,024 x 768 graphics resolution</td>
<td>• Graphics card with hardware support for DirectX 11 and 2GB dedicated VRAM</td>
<td>• Windows® 7 Professional x64</td>
</tr>
<tr>
<td>• CD-ROM drive</td>
<td>• DVD-RW drive</td>
<td>• Windows® 7 Enterprise x64</td>
</tr>
<tr>
<td>• 19-inch monitor</td>
<td>• Dual 21+-inch monitors</td>
<td>• Windows® 7 Ultimate x64</td>
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