



LAND OWNERSHIP SERVICES

LEASE MANAGEMENT AND GIS MAPS

Our experience is unique: We know the land business and understand the power of data management and mapping. Our decades of experience as landmen responsible for field crews have provided us with an appreciation for the complexity of the lease acquisition process. Recognizing the power of computing, we used our field experience to write KEYLand® and LOSmap™, our proprietary software for managing and mapping lease data. We are excited about the emerging GIS technologies and their ability to provide a fresh perspective and a competitive edge.

Our philosophy of continuous improvement allows us to help you find emerging opportunities in this rapidly changing world. Our approach is to combine the best technology with a well-trained staff to produce the highest quality products and services. We include the client in all facets of the process, align ourselves with top data suppliers and form strategic partnerships with key industry leaders.

Tiered Value-Added Services. We offer mapping and data management solutions that can be tailored to fit your company whether you need an occasional map or a comprehensive lease management solution.

- **Manage an entire play.** This is the most cost effective return on investment and creates the greatest value. We enter your spreadsheets, titles, and leases for lease tracking, draft payment and curative procurement. We use this same information to create digital GIS map files and data for import into your existing lease management system. If you wish, in-house and field personnel can log into our system to view or change data and produce reports.
- **Make your data map-compliant.** This solution enhances the investment you have in your existing information. We apply the same accurate procedures whether we map the data or provide it to you. Our comprehensive approach translates a wide array of data sources (e.g. plats, exhibits, spreadsheets) and allows you to map complex situations.
- **Produce GIS maps for decision making.** This solution is very effective for companies that want the power of GIS without a dedicated department. We process your map-ready data, using our specialized software, to create state-of-the-art maps. These maps provide visual analysis of your areas of interest assisting you in making profitable investments.

Real World Lease Management Solutions. We apply processes that maintain data integrity by standardizing formats and using data correction techniques. Our advanced technology allows us to automatically synchronize map and report production. By using a single data source we avoid the inefficiencies of having the mapping data separated from the lease management data.

- **Comprehensive Data Derived Maps.** All of our maps have clearly defined text labels which display information in easy to understand terms and figures. Tracts which fail to map are identified, allowing us to see and correct errors which are not readily apparent in the raw data. Our procedures consolidate the leasehold information to reflect the dominant parties and partnerships in your area of interest. Third party leasehold information can be entered from copies of recorded leases to produce expiration maps and reports showing all leasehold positions. When more information is acquired the entire map is reprocessed, ensuring accuracy.
 - **Land Study™ Map.** This is our most requested map. This map shows leasehold positions and leasing trends. If third party information has been added, you can evaluate your competitive position.
 - **Expiration Map.** Use this map to prioritize your drilling efforts or to focus top leasing plays. It shows the earliest expiration date for any lease on a given tract of land.
 - **Bid Per Acre Map.** This map presents the last bids paid at public auctions in a designated area. It helps you make informed decisions about setting your bidding tops.
 - **Title Map.** This map helps you focus your title efforts by identifying certified, cursory and missing titles.
 - **Ad Hoc Maps.** We can create customized maps such as surface owner maps, working interest per section maps or maps to your specifications.

- **Lease Management Reporting.** Timely reporting allows you to maintain control of your lease play and efficiently allocate your resources. All information from leases, titles and other sources are consolidated into prioritized task lists.
 - **Lease Purchase Reports.** These reports are automatically updated as new information is entered into KEYLand® and are always current.
 - **Draft Due, Title Ordering and Curative To Do Lists.** Tracking the draft due dates allows us to produce prioritized lists so that timely decisions can be made. Each day's financial obligations are prominently displayed.
 - **Mailout Reports.** Our system tracks elapsed days for each mailout, allowing field landman to follow up on the leases that have not been executed.
 - **Open Acreage and Buy Reports.** Field personnel get a ready-built contact sheet showing each owner, how they appear in title, what their net is and how the lease description should appear.
 - **Create Legal Documents.** Using KEYLand® data we can produce lease packages, recordable curative documents, assignments and exhibits.

Responsive Staff, Procedures and Technology. Changing market conditions require flexible solutions and efficient resource allocation. Our infrastructure is organized to adapt to the demands of your projects. By interfacing with both management and field personnel all points of view are integrated into a successful solution.

- **Fully-Trained and Dedicated Staff.** Our staff is skilled in oil and gas lease management and computer technology. They receive comprehensive training on legal and technical issues which promotes depth of knowledge.
 - **Specialized Departments.** Lease Entry and Analysis; Title Entry and Analysis; Draft Payment and Curative; Curative Proofing and Lease Transmittal; GIS Mapping and Quality Control.
 - **Cross Training Program.** All personnel are specialists and each has been cross trained in several other areas to ensure we can effectively and efficiently respond to your workflow demands.
 - **Incremental Hourly Billing.** We have a flexible staff so we can accommodate your priorities. You get the full benefit of our professional organization, but you only get billed for the actual time devoted to your project.

- **World Class Software.** Our software expertise and our ability to respond to your changing needs sets us apart from all other GIS service providers. By blending our state-of-the-art software with the best available GIS tools, we provide the accuracy, reliability and timeliness that today's industry expects.
 - **KEYLand®.** We developed this software to manage lease plays. Using KEYLand as our single source data standard allows us to do the comprehensive mapping and reporting described above. KEYLand can export lease and tract information for use in your lease management system. Through our secure network, remote and in-house personnel can collaborate on the same KEYLand database. We are currently upgrading this software to handle more complex project data and enhanced management reporting. HIPAA-compliant security available.
 - **LOSmap™.** This powerful pre-processing tool is used to translate information from a variety of sources into a standardized, map-compliant format. LOSmap allows us to iteratively clean up the data in order to produce a clear representation of your information. By analyzing the data for completeness and validity we are able to create a high level of reliability.
 - **OwnerImage® Builder with LandImage® Builder Tool.** OIBLIB creates map polygons with informative text labels from your map-ready data. With this sophisticated product most tracts are automatically drawn and labeled saving time and increasing accuracy. It indicates descriptions that are incomplete or improperly formatted which cannot be automatically mapped. OIBLIB also can create files for direct import by ArcGIS™, MapInfo Professional®, geoPLUS PETRA® and GeoGraphix® LeaseMap™.

- **ESRI ArcGIS™ Family.** We use ESRI products, the industry standard in presentation software, to deliver printed and digital maps. ArcView® allows metadata to be attached which identify layers, projections, and other critical information. Maps can be securely packaged for delivery to partners and other interested parties without revealing confidential underlying data.
- **MapInfo Professional®.** For companies who don't use ArcGIS, we offer this alternative map presentation software. MapInfo is a cost effective solution with a powerful translator, allowing conversion of map layer files into AutoCAD DXFs, ESRI Shapes, etc.
- **Deed Check™.** We use this metes and bounds plotting product to create tract plots when plats or other digital sources are not available.

When you send your projects to Land Ownership Services you have all the power of our resources to use as your priorities demand. Each year we invest tens of thousands of dollars training our personnel and upgrading our facilities and technology.

- ***Our processes are confidential by design***
- ***Our infrastructure is secure***
- ***Our staff is responsive, responsible and respectful***
- ***Our solutions are cost effective***
- ***Our technology is world class***

We are excited about the opportunities presented by the current environment. Let us provide you with the benefits of our extensive investment so that you can enhance your own departments with superior data and mapping solutions. Visit our website to learn more, www.landownershipservices.com or contact Scott Key at (970)223-8179, ext 224.