

# Energy Industry Services

DBS&A is a leading provider of diversified services to the energy industry.

Our key services available to the energy industry include:

- ◆ Compliance Review
- ◆ Mapping Solutions
- ◆ Permitting
- ◆ Agency Research
- ◆ Representation before Commissions
- ◆ Oil and Gas Market Studies
- ◆ Regulatory Compliance Audits
- ◆ Expert Services

In addition, we offer a breadth of technical services, including:

- ◆ Groundwater and Soil Investigation and Remediation
- ◆ Feasibility Studies
- ◆ Hydrogeologic Investigations
- ◆ Public Water Supply Well Evaluation and Permitting
- ◆ Field and Laboratory Testing of Soils

## Compliance Review

A compliance review is a critical research tool for assessing the status of a facility/site permit and environmental compliance. When used in conjunction with other DBS&A services, compliance reviews offer the most fail-safe assessment of a site's environmental risk.

DBS&A created a custom, interactive map for an energy industry client.

A compliance review identifies issues that cannot be found on a database during the ASTM Phase I Site Assessment Report. DBS&A recommends conducting a compliance review before companies make final business decisions regarding the purchase or sale of properties, pipelines, refineries, chemical facilities, manufacturing facilities, and gas-processing plants. Our reviews go beyond the ASTM industry standard for a Phase I Site Assessment Report, and include aerial photographs and an environmental database report.

## Mapping Solutions

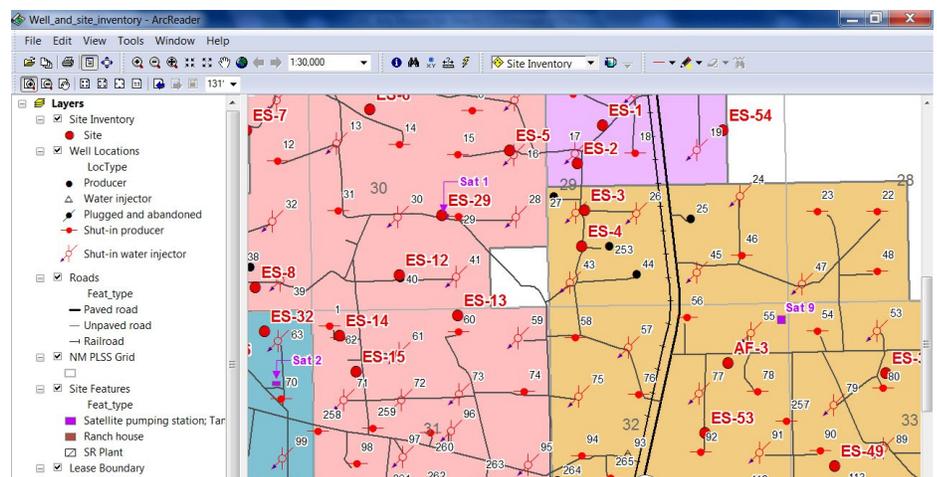
DBS&A provides a variety of mapping solutions. We can research and provide maps to assist operators in identifying lease boundaries, plugged and abandoned wells, and facilities with associated roads and pads. We also provide maps and aerial photographs to identify

past environmental concerns associated with individual wells, tank batteries, pipelines, and waste pits. DBS&A has the ability to access, interpret, and customize a variety of maps for presentations or business ventures, including:

**Land Office Maps**—State land offices provide the public with land and lease information about state-owned submerged lands, and have historical county maps showing the boundaries of the original land grants.

**Commission Maps**—State oil and gas commissions maintain maps showing historical, current, and proposed well locations.

**Regional Geology Maps**—A regional geology map illustrates the different geologic formations surrounding your site. DBS&A has a full library of regional geology maps available to you.



### U.S. Geological Survey (USGS)

**Topographic Maps**—Topographic maps show your site in its current context with the surrounding area. USGS topo maps are the most current ones available. DBS&A can assist you with interpretation and customization.

### Historical Topographic Maps

—Dating back to the 1800s, these maps allow operators to incorporate historical topographic information to assist in finding successful oil and gas plays.

DBS&A plots large-format prints of maps, aerial photos, or any other engineering file required to make your project successful. Our GIS capabilities enable us to customize maps for presentations or business ventures.

### Permitting

When a project presents regulatory challenges, you need a partner on the ground who can help you negotiate the regulatory maze. DBS&A offers professional permitting services through state and federal regulatory agencies. We work with regulators daily and are up to date with the latest requirements, often before they become rule or guidance. Keeping abreast of changes in the environmental climate allows us to provide superior technical and regulatory support as new initiatives arise. This results in high-quality, compliant deliverables and the timely issuance of permits—allowing operators to start sooner and to continue operating.



We routinely work with large and small oil field operators in response to deficiency findings and compliance orders issued by the Texas Railroad Commission, the Texas Commission on Environmental Quality (TCEQ), the New Mexico Oil Conservation Division (OCD), the New Mexico Environment Department (NMED), the Kansas Corporation Commission (KCC), and the U.S. Environmental Protection Agency (US EPA).

### Agency Research

DBS&A has more than 30 years of experience gathering and disseminating information for the energy industry. Our field experts have the knowledge and experience to access and interpret hard-to-find drilling permits and plats, well-completion reports, production reports, maps, and hearing files.

In addition, we access Landman Reports that provide critical preliminary information prior to the leasing of properties. Typically, our clients provide DBS&A with

an area of interest. Our staff then outlines that area on a computer-generated map, provides each well with a unique identification number, and researches that well for the current operator, the number of acres in the producing well's proration unit, the last six months' production, and the P&A report for plugged and abandoned wells. With this information, operators can make sound business decisions on leases in strategic areas.

### Representation Before Commissions

We represent our clients at commission hearings for applications that are contested and protested by offset landowners, operators, cities, and municipalities. DBS&A's representation includes preparing and presenting exhibits and other information that regulatory commissions need to make final decisions on permit issuance. We also offer litigation support in more complicated cases.





## Oil and Gas Marketing Studies

Effectively executing capital projects is critical for oil and gas companies. Many capital projects are growing in size and complexity, and completing them successfully can significantly influence a firm's stock prices and liquidity.

This is a promising future, but operators need to address the challenges proactively. To develop investment opportunities and market growth, DBS&A provides regulatory, mapping, and research support to companies that are preparing marketing studies.

## State and Federal Regulatory Compliance Audits

Today more than ever, operators must contend with a variety of regulatory and environmental compliance demands for nearly all oil and natural gas operations—from the wellhead to distribution and refining. DBS&A's extensive experience means that we can meet your environmental compliance

needs quickly, accurately, and within budget, including:

- ◆ Spill Prevention, Control, and Countermeasure Plans
- ◆ Stormwater Pollution Prevention Plans
- ◆ Waste Management
- ◆ Environmental Health & Safety Auditing
- ◆ Full Facility Compliance Program Design

## Expert Services

DBS&A provides technical expertise in support of environmental litigation, cost allocation, alternative dispute resolution, and water rights proceedings.

Our staff includes specialists in hydrogeology, geology, geochemistry, contaminant fate and transport, groundwater modeling, document indexing and management, data visualization, courtroom exhibits, and expert opinion report production. We also provide expert testimony during trial, and develop specialized courtroom exhibits using GIS, animation, and other visual technologies.

DBS&A's credibility is a result of hands-on experience in a wide variety of projects, highly educated and trained personnel, and ongoing research resulting in technical journal publications.

## Environmental Technical Services

DBS&A conducts all types of environmental site investigations and monitoring, in accordance with US EPA and ASTM guidelines and industry standards. We use the latest methodologies for monitoring environmental media (air, soil vapor, surface water, sediment, groundwater, soil, and waste) to ensure that data-quality objectives are met.

DBS&A has installed all types of wells, including soil vapor extraction, groundwater extraction, and Class V injection wells. We have successfully designed, installed, and operated more than 100 soil and groundwater remediation systems throughout the Southwest United States, ranging from \$20,000 to more than \$3 million.

Our projects for the energy industry include brine-contaminated soil and groundwater remediation, oil cleanup, surface installation dismantling (including large aboveground storage tanks and ancillary piping asbestos abatement), soil removal actions, and naturally occurring radioactive materials (NORM) surveys.

