USLandGrid

WELL AND PRODUCTION DATA

for your maps and data spatial analysis

www.uslandgrid.com

Technical well data helps companies manage and analyze current situation, while also helping them find new opportunities. From permitting, to acquisition, to use, our well data represents the life cycle of the asset.

USLandGrid Well Data is founded on the PPDM (Professional Petroleum Data Management) data model in order to support the best practice needs of operators around the globe.

WHAT DO WE OFFER?

We are a GIS data mapping company that provides current and historic well data including permits, units, well headers, formation tops, perforations, casings, completions, surveys, initial potentials, dsts, historic production and monthly production.

Allocated production is calculated within our data based on the individual wells contributing to the reported aggregate lease production.

Sidetracks and recompletes are fully accounted for through our standardized 14 digit API system. The sidetrack code is the eleventh and twelfth digits of our API numbers, with the first sidetrack represented by 01. The recomplete code is the thirteenth and fourteenth digits of our API number.

Our well data is purchased, not leased. You will never need to remove our data from your maps (you own it). Pricing is per year or a twelve-month period. Updates are provided monthly during the year.

Buy the county, or the state. Our Well Data packages are designed to meet all needs and budgets.

WHY DOES WELL DATA MATTER?

The best thing about well data is that it is current and historical. By analyzing a well life cycle the user is able to see the original permit, through to those first perforations and initial production. We can see what formation(s) was targeted and the depths and trajectory of the well bore. In most cases, we can see what went right, what went wrong, and what changes were made along the way.

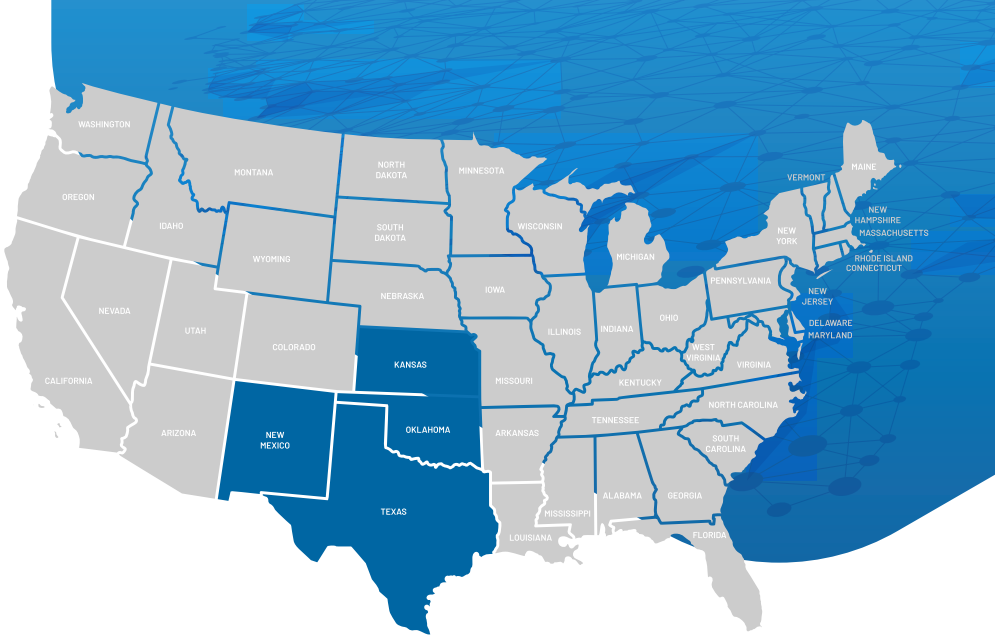
These days, analytics are one of the most important capabilities for individuals to make informed decisions, especially in the energy sector. With data volumes becoming exceedingly larger, good data, and good data management is critical for quick access to accurate information.

By having up-to-date and historical well data companies can track industry trends, reduce drilling times, improve production, manage land assets, look at new opportunities, and improve safety.

COVERAGE MAP

State Coverage

- No Coverage
- New Mexico
- Texas
- Oklahoma
- Kansas



Well Header Schema:

NAME	DESCRIPTION
Well ID	
Operator	
Well Name	
Well Number	
Latitude	
Longitude	
Status	
Classification	
Datum Elevation	
Ground Elevation	
Plugback Depth	
TD	
Formation at TD	
Platform ID	
Water Depth	
Water Datum	
Spud Date	
Completion Date	
Permit Date	
User Date	

NAME	DESCRIPTION
Area	
District	
Field	
State	
County	
Country	
Permit Number	
Datum Type	
Alternate ID	
Old ID	
User 1	
User 2	
Lease Name	
Parent UWI	Identification number for the original well. This field is used if the well data is for a successive well at a previously drilled location
Parent UWI Type	Acceptable values are Re-drill, Re-entry, Sidetrack, and Surface
Legal Survey Type	
Common Well Name	
Proposed	Identifies proposed, undrilled wells

Formations Schema

NAME	DESCRIPTION
Well ID	
Formation	
Source	
Observation Number	
Top MD	Measured depth of the formation top
Top TVD	True vertical depth of the formation top
Base MD	Measured depth of the formation base
Base TVD	True vertical depth of the formation base
Show	Type of hydrocarbon shows (if any) in the formation at the well bore
Net Thickness	Net thickness of the formation at the well location
Porosity	Porosity of the formation in the well bore
Faulted	Presence or absence of faulting in the formation at the well bore

NAME	DESCRIPTION
Eroded	Partial or complete erosion of the formation at the well bore
Dip Azimuth	Direction of maximum formation dip at the well bore. Allows quadrant format (N30W), but must be in azimuth format for import.
Dip	Dip of the formation at the well bore. Allows quadrant format (N30W), but must be in azimuth format for import.
Confidence	Qualitative evaluation of the formation data
Qualifier	
Remarks	Comments
Gap Thickness	
Fault Name	
Unconformity Name	

Monthly Production Schema

NAME	DESCRIPTION
Well ID	
Zone	Producing zone or formation
Activity Type	
Oil	
Gas	
Water	
CO2	

NAME	DESCRIPTION
Injection	
Nitrogen	
NGL	
Sulphur	
Date	
Allocation Factor	Amount of unit production allocated to the well as a percentage
Days On	Specified as an integer from 1 to 31

Well Data FAQ

Where does your well data come from?

We source our well data directly from the individual state resources including online published data, hard copy completion reports, hard copy production records and multiple other sources.

How do you standardize well data generally?

We use the PPDM (Professional Petroleum Data Management) model. By standardizing across the different well databases, we make the data much easier to work with, combine with other data, and analyze. We also standardize the values in columns, while also getting rid of null values and duplicates. We convert the data in our system to the standardized PPDM schema, with consistency across the dataset.

How do you deliver bulk data?

All bulk data is provided via SFTP as zip files of each county in the format of your choice using a pull model. End delivery is customizable with no extra costs.

How do I download your well data?

We use the "Secure File Transfer Protocol", also called SFTP. This is supported in most traditional FTP clients and SSH client software.

When was your well data last updated?

Our well data is refreshed monthly.

What software can I use to work with your data?

Editing or working with most of our data requires software for working with geographic and geospatial data. There is free and open-source desktop software to work this kind of data called QGIS. We recommend GeoGraphix as our preferred software for well data.

What about Google Earth?

We provide KML/KMZ options for Google Earth and Google Earth Pro, but neither of those applications support editing our data, only viewing the data. If you need to make changes to the data you get from us, you will need a desktop application like QGIS discussed above.

How large is dataset?

The initial dataset will be large, upwards of 5GBs. Monthly updates are small and take relatively small amounts of time.

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