

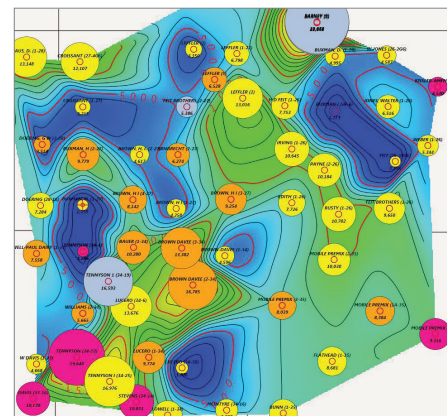
Well Performance Data
linked to Log Data

OYSTER Plus

With OYSTER and the Longbow Solution clients can evaluate more opportunities faster and can make better informed decisions.

The OYSTER Plus data plan allows unlimited access to TGS' domestic US smartRASTER®, well performance data and permit data.

- Unlimited access to TGS' entire smartRASTER® library for U.S. — the industry's largest raster log collection
- Unlimited access to TGS' nationwide Well Performance Database
 - Well Performance Database includes well headers on all wells in the US: onshore, offshore and Alaska
 - Well Performance Data and production cums for all producing wells nationwide
 - Lease-to-well allocation algorithm calculates specific detail
- Unlimited access to nationwide Permit Data
- Unlimited use of Longbow, desktop search and visualization tool



Create Bubble Maps: bubble by cumulative production, contour on depth and color code by Operator.

See the energy at TGS.com



OYSTER Plus

The Well Performance Database is hosted on a secure cloud platform and accessed directly from the customer's desktop. TGS performs twice-per-month updates to the cloud database, thus ensuring timeliness and accuracy. The desk-to-cloud direct connect enables faster search and visualization capabilities.

Well Header/Identification

Attribute information includes:

- State
- County
- API #
- Operator
- Well name
- Well number
- Field
- Location
- Lat/Lon
- Depths
- Elevation
- Well status
- Well type
- Spud date
- Completion date
- Lease name
- Lease number
- Slant
- Producing Formation
- Basin

Production Data Set

Provides the monthly amount of oil, gas and water reported to the corresponding regulatory agency as produced and sold from all wells or leases. Attribute information includes (where appropriate and available):

- Oil volume (bbls)
- Gas volume (mcf)
- Water volume (bbls)
- Lease name and ID
- Producing formation
- Production month
- Number of days on production
- A series of summarized production cumulative volumes and ratios for each producing entity

The vintage of historical cumulative volumes varies by state based on availability.

Well Performance "Cumulatives" Data Set

Pre-calculated and stored performance cumulatives enhance the search, visualization and sorting capabilities:

- First month cumulative
- Second month cumulative
- 3 month cumulative
- 6 month cumulative
- 1 year cumulative
- 3 year cumulative
- 1 month recent cumulative
- 3 month recent cumulative
- 6 month recent cumulative
- 1 year recent cumulative
- Total cumulative
- BOE Max month cumulative
- BOE 3 month cumulative
- Total GOR
- 3 month GOR

Permit Data (Permit Data is sourced from RigData)

Provides a two year permit history and daily permit updates. Nation-wide coverage, searchable and viewable in the TGS Longbow tool.

TGS Longbow™ Search and Visualization Tool

TGS Longbow™ is a desktop application tool that can be installed on any authorized workstation giving geoscientists the ability to:

- Search easily and quickly against the nationwide dataset on a multitude of user-selected attributes
- Create subsets of data based on user-selected attributes
- Save subsets of data as project files.

Project files can be further analyzed through Longbow's on-board Visualization Tools, which enable visual and graphical displays of the data subset using charts, graphs, maps, grids and pivot tables. The project files can be exported for further detailed analysis by loading into industry standard third-party production data applications.

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