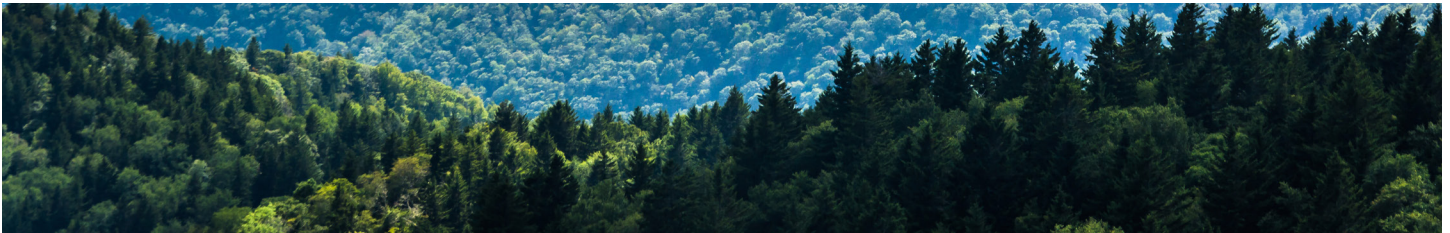


Appalachian HORIZONTAL WELL BASIN DATABASE



Database Background

JKPC has developed an extensive horizontal well database for the Appalachian Basin based on state reported data. Database development began in 2012 as the beginning stages of basin horizontal well drilling.

The database includes all unconventional wells ranging in status from permitted to producing. Formations include: **Marcellus, Utica, Burkett (Geneseo), Lower Huron, Clinton** and other unconventional formations.

We at JKPC are devoted to providing the best and most current horizontal well data available. We utilize our database on a daily basis resulting in continual review for data accuracy and quality.

Purchase Options

Our database is available by wells or by state. Purchase of select data is also available as a one-time data purchase.

Annual Subscriptions

All Wells: \$5,500

By State: OH - \$2,500, WV - \$3,000, PA - \$4,000

Purchase of an **annual subscription** allows for database usage, updates and access to our database support team for your entire organization. Monthly, quarterly and semi-annual payment options available upon request. Discounts available for first time users and referrals.

Database Updates

Regular updates to the database include addition of new well permits, updating well status changes and inclusion of supplemental completion, production and EUR data as it becomes available.

- **Monthly updates**—include new permits, well status changes, updated mapping and production volumes
- **Biannual updates** – In addition to monthly update data, update all production decline curves, 50-year EURs and associated EUR per 1,000' values.
- **Monthly Newsletter (Basin Digest)**

Summary of Appalachian Basin activity and database changes from prior month

Visit our web site at www.jkpcinc.com for latest edition or subscribe to receive in your mailbox.



Database Add-ons

JKPC also offers customizable data packages on county, state, or regional levels utilizing Spotfire analytics. Pricing available upon request.

Database Overview

Horizontal Well Data for **Kentucky, Ohio, Pennsylvania, Virginia and West Virginia**

- Includes**
- 1.) Basic header information
 - 2.) Permitted and completion dates
 - 3.) Completion summary data
 - 4.) Lateral lengths/stages, sand and water volumes
 - 5.) Drilling, cementing and frac company identification
 - 6.) Frac focus data
 - 7.) Production, reserve and EUR data (see sample information below)

Download

Database is available in Excel (with mapping files and pdf's of production histories and forecasts) or in Landmark Aries (with associated mapping files).

- **Over 20,600** permitted, spud, drilling, drilled, completed and producing wells
- **Over 14,500** producing horizontal wells
- **Interactive mapping** including surface, landing and bottom hole locations (KMZ and shapefiles)
- **Monthly oil, natural gas and water production volumes** and forecasted 50 year EUR

Operator Date	API#	Well Name	Month of Production	Completion
GAS ENTERPRISE COMPANY INC	34167200250000	MARION EPIER HRS		06/15/1937



Appalachian Basin Horizontal Well Database

Fair Market Value Reports | Reserve Reports | Production Monitoring and Analysis | Acquisition and Divesture Services

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