

## KENTUCKY

### Administration

1. Agency regulating oil and gas exploration/production: [Division of Oil and Gas](#), 300 Sower Blvd, Frankfort, KY 40601. Phone: (502) 573-0147. Fax: (502) 564-4245
2. Contact for regulatory updates: Dennis Hatfield, Director.
3. Docketing procedure: Any party to a property may request a hearing and said hearing will be set.
  - a. Emergency orders: Upon Application by an operator.
  - b. Notice: 20 days in advance of the date set for the hearing.
4. Agency regulating air emissions: [Department for Environmental Protection, Division of Air Quality](#).
5. Agency regulating water quality: [Department for Environmental Protection, Division of Water](#).

### License

1. License required: License required to operate gathering/flowlines. [KRS 353.500, 805 KAR 1:190\(3\)](#).
2. Conditions of license: \$100.00 license renewable each year.

### Bond/Surety

KRS 353.590

1. Purpose of surety: For compliance purposes.
2. Plugging and restoration: For plugging only.
3. Compliance bond required: Yes.
4. Types of surety accepted: Cash, Letter of Credit, Surety & Certificates of Deposit.
5. Conditions of bond:

a. Amount per well (shallow well):

0 - 500 feet	\$ 500
501 - 1,000 feet	1,000
1,001 - 1,500 feet	1,500
1,501 - 2,000 feet	2,000
2,001 - 2,500 feet	2,500
2,501 - 3,000 feet	3,000
3,001 - 3,500 feet	3,500
3,501 - 4,000 feet	4,000
4,001 ó 4,500 feet	5,000
4,501 ó 5,000 feet	6,000
5,001 ó 5,500 feet	7,000
5,501 ó 6,000 feet	8,000

Amount per well (deep well):

Vertical deep wells ó \$25,000

Horizontal deep well ó \$40,000

Oil & Gas Conservation Commission may establish a higher amount

b. Amount of blanket bond:

For shallow wells:

\$25,000 for 25 - 100 wells

\$50,000 for 100 - 500 wells

\$100,000 ó over 500 wells for òqualifiedö operators that had an existing blanket bond on file with the Division as of 7-12-06.

For ònon-qualifiedö operators or new operators, blanket bonds are as follows:

\$50,000 ó 1-100 wells

\$100,000 ó over 100 wells.

For deep wells:

1 to 10 vertical deep wells - \$200,000

1 to 10 horizontal deep wells - \$320,000

No regulations at this time

1. Leasing method: N/A
2. Notice method: N/A
3. Minimum bidding \$ (per acre): N/A

4. Qualification of the bidder: N/A
5. State statutes: N/A
6. Maximum acres: N/A
7. Royalty rates: N/A
8. Agency in control of leasing: N/A

#### Setbacks

1. What rules/regulations/policies does your jurisdiction have in regard to well setbacks from private residences and/or other habitable structures for use by humans or animals? Wells are required to be 150 feet from any structure unless the operator receives a waiver from the structure owner. [805 KAR 1:030](#).
2. Are there other sources of information on this matter that you could identify?  
N/A

#### Spacing

[KRS 353.610](#)  
[805 KAR 1:100](#)

1. Spacing requirements:

- a. Density:

7.85 acres for shallow oil wells in coal area  
18.03 acres for shallow gas well spacing

Deep Wells: As established by Kentucky Oil and Gas Conservation Commission, or in lieu of approved spacing as follows:

70 acres for oil wells between 4,000-7,000 feet  
281 acres for gas wells between 4,000-7,000 feet  
143 acres for oil wells deeper than 7,000 feet  
574 acres for gas wells deeper than 7,000 feet

- b. Lineal:

Oil well (non-coal area & less than 2000 feet) - 400 feet between wells and 200 feet from mineral boundary. Oil well (coal areas and wells in non-coal area between 2000 feet and 6000 feet) - 660 feet between wells and 330 feet from mineral boundary.

Gas well - 1,000 feet between wells and 500 feet from mineral boundary for gas wells less than 6,000 feet deep.

1. Exceptions: Yes, [KRS 353.620](#).
  - a. Basis: For tracts that are so situated that they have no drillable site.
  - b. Approval: By notice and hearing.

Pooling

[KRS 353.630](#)

1. Authority to establish voluntary: Yes.
2. Authority to establish compulsory: Yes.

Unitization

[KRS 353.630](#)

1. Compulsory unitization of all or part of a pool or common source of supply: Yes.
2. Minimum percentage of voluntary agreement before approval of compulsory unitization:
  - a. Working interest: 51%
  - b. Royalty interest: 51%

Drilling Permit

[KRS 353.570](#)

[KRS 353.580](#)

[KRS 353.590](#)

1. Permits required for:
  - a. Drilling a producing or service well: Yes, by statute.
  - b. Seismic drilling: No.
  - c. Recompletion: No restriction so long as it complies with spacing requirements and meets bonding requirements.
  - d. Plugging and abandoning: No.
2. Permit fee:

a. Drilling:

Shallow wells (0ø to 6000ø) - \$350

Vertical Deep Wells:

6001ø-7000ø TVD - \$500

7,001 or deeper TVD - \$600

Horizontal Deep Wells

10,000ø or less TMD - \$5,000

10,001ø or greater TMD - \$6,000

For multilateral - \$500 for each lateral

Additional horizontal wells on same pad:

10,000 TMD or less - \$3,000

10,001 TMD or more - \$4000

b. Seismic drilling: None.

c. Recompletion: None.

d. Plugging and abandoning: None.

3. Require filing report of work performed: Yes, [KRS 353.660](#).

4. Sundry notices used: No.

Vertical Deviation

[KRS 353.739](#)

[805 KAR 1:200](#)

[805 KAR 1:140](#)

1. Regulation requirement:

a. For directional and horizontal wells and all wells drilled in areas of active coal mining.

b. Filing of survey required: Yes.

c. Format of filing: Electronic or paper.

## Casing and Tubing

[KRS 353.080](#)

[KRS 353.100](#)

[KRS 353.550](#)

[805 KAR 1:020](#)

1. Minimum amount required:
  - a. Surface casing: Yes, at least 30 feet below deepest fresh water.
  - b. Production casing: No.
2. Minimum amount of cement required:
  - a. Surface casing: Yes, circulated to surface, 30øbelow fresh water depth.
  - b. Production casing: No, except for injection wells circulated to surface.
  - c. Setting time: No.
3. Tubing requirements:
  - a. Oil wells: No
  - b. Gas wells: No

## Hydraulic Fracturing

[KRS 353.6603](#)

[KRS 353.6604](#)

[KRS 353.6605](#)

[KRS 353.6606](#)

The Kentucky Department of Environmental Protection may have rules regarding flowback waste water, tanks & surface discharge.

1. Permitting: No requirements
  - a. Before drilling: N/A
  - b. Before fracing: N/A
  - c. How long before: N/A
2. Reporting requirements: [KRS 353.660](#).

- a. Where reported: All completion methods are reported on the Affidavit of Well Log and Completion Report.
  - b. When reported: Well Log and Completion Report due 90 days after reaching total depth.
3. Source water requirements: N/A
4. Mechanical integrity: N/A
  - a. Cementing log required:
  - b. Pressure testing:
  - c. Pressure monitoring:
  - d. Blowout preventer required:
5. Disposal of flowback fluids:
  - a. Retaining pits:
  - b. Tanks:
  - c. Approved discharge to surface water:
  - d. Underground injection:
6. Chemical disclosure requirement:
  - a. Mandatory: Yes, for horizontal wells using more than 80,000 gallons of water, chemical, and proppant combined for any stage or 320,000 gallons total
  - b. Where disclosed: [FracFocus.org](http://FracFocus.org)
  - c. When disclosed (pre-fracing, post-fracing, both): within 90 days after treatment
  - d. Time limit to disclose: 90 days after treatment
  - e. Information required to be disclosed:

Operator's name; date of the high-volume horizontal fracturing treatment; county in which the well is located; API number for the well; well name and number; longitude and latitude of the wellhead; true vertical depth of the well; total water volume used; each chemical additive used in the fracturing treatment, including the chemical abstract service number added, if applicable; maximum concentration, in percent by mass, of each

chemical intentionally added to the base fluid, if applicable; and total amount of proppant used, if applicable.

- f. Trade secret protection: Yes
- g. Required disclosure to health/emergency personnel: Yes

### Underground Injection

[KRS 353.592](#)

[805 KAR 1:110](#)

- 4. Agencies that control the underground injection of fluid by well class: Division of Oil and Gas

### Completion

[KRS 353.660](#)

- 1. Completion report required:
  - a. Time limit: 90 days after completion of drillings.
  - b. Where submitted: Division of Oil and Gas, 300 Sower Blvd, Frankfort, KY 40601
- 2. Well logs required to be filed:
  - a. Time limit: 90 days.
  - b. Where submitted: Division of Oil and Gas, 300 Sower, Frankfort, KY 40601
  - c. Confidential time period: Yes, upon request for one year maximum.
  - d. Available for public use: Yes.
  - e. Log catalog available: Yes, at the Kentucky Geological Survey.
- 3. Multiple completion regulation: No authorization required.
  - a. Approval obtained: N/A



4. Commingling in well bore: No authorization required.
  - a. Approval obtained: N/A

### Oil Production

#### [KRS 353.010](#)

1. Definition of an oil well: any well which produces one (1) barrel or more of oil to each ten thousand (10,000) cubic feet of natural gas.
2. Potential tests required: No.
  - a. Time interval: N/A
  - b. Witness required: N/A
3. Maximum gas-oil ratio: 10,000 cubic feet to 1 barrel crude oil.
  - a. Provision for limiting gas-oil ratio: No.
  - b. Exception to limiting gas-oil ratio: No.
4. Bottom-hole pressure test reports required: Only if such test is run by operator.
  - a. Periodical bottom-hole pressure surveys: No.
5. Commingling oil in common facilities: No requirements.
6. Measurement involving meters: No requirements.
7. Production reports: [805 KAR 1:180](#)
  - a. By lease: Yes.
  - b. By well: No.
  - c. Time limit: By February 28 of following year to the Department of Revenue. By April 15 of following year to the Division of Oil and Gas.

## Gas Production

### [KRS 353.010](#)

1. Definition of a gas well:

Gas Well - means any well which:

- (a) Produces natural gas not associated or blended with crude petroleum oil any time during production; or
- (b) Produces more than ten thousand (10,000) cubic feet of natural gas to each barrel of crude petroleum oil from the same producing horizon.

2. Pressure base 14.73 psia @ 60 degrees F.

3. Initial potential tests: No Requirements

- a. Time interval: N/A
- b. Witness required: N/A

4. Bottom-hole pressure test reports required: Only if run by operator.

- a. Periodical bottom-hole pressure surveys: No.

5. Commingling of gas in common facilities: No Requirement.

6. Measurement involving meters: No Requirement.

7. Production reports: [805 KAR 1:180](#)

- a. By lease: Yes.
- b. By well: Yes, to the Division of Oil and Gas.
- c. Time limits: By February 28 of following year to the Department of Revenue. By April 15 of following year to the Division of Oil and Gas.