Location and Yield of Wells Drilled in Eastern Kentucky Coal Field for High-Yield Well Study

**Explanation**
- **$**: Location of completed drill sites
- **Kentucky River Basin boundary**
- **Eastern Kentucky Coal Field boundary**
- **County boundaries**

**HITCHINS SITE**
- three water wells drilled
- highest yield 5,040 gal/day
- greater than 51% of Carter County wells*
- supports 7 homes**

**VANCLEVE SITE**
- two inclined exploration boreholes drilled
- no fractures encountered
- no water well drilled

**JACKSON SITE**
- three water wells drilled
- highest yield 28,800 gal/day
- greater than 98% of Breathitt County wells*
- supports 43 homes**

**VEST SITE**
- two inclined exploration boreholes drilled
- one water well drilled with yield of 103,680 gal/day
- greater than 97% of Knott County wells*
- support 155 homes**

**OAKDALE SITE**
- one inclined exploration borehole drilled
- one water well drilled with yield of 97,920 gal/day
- greater than 99% of Breathitt County wells*
- supports 146 homes**

**CREEKVILLE SITE**
- two inclined exploration boreholes drilled
- one water well drilled with yield of 67,680 gal/day
- greater than 99% of Clay County wells*
- supports 101 homes**

**ISOM SITE**
- two inclined exploration boreholes drilled
- one water well drilled with yield of 93,600 gal/day
- greater than 96% of Letcher County wells*
- supports 140 homes**

**GUAGE SITE**
- two inclined exploration boreholes drilled
- encountered water with high total dissolved solids
- no water well drilled

**Notes:**
* Based on data from the Kentucky Groundwater Data Repository in 1999.
** Number of homes supported is estimated from 75 percent of the current yield and a usage of 500 gal/day/home.