

**Lewisport
Hancock County, Kentucky
Size: +/- 1,108 acres**



Ownership:

Greater Owensboro Economic Development Corp. owns the property in surface, and mineral is controlled

Alternative Energy Development Suitability:

Based upon developed criteria and scoring, this site is best suited for the development of a CTG/CTL facility
(Criteria and scoring does not necessarily guarantee site success)

Nuclear: 56% - Adequate water supply readily available to support a nuclear facility; however, close residential area is undesirable

Wind: Wind speed inadequate to develop a utility scale facility

Solar: 47% - Average annual solar radiation for two-axis flat plates is 6.41 kWh/m²/day

Biomass: 70% - Available biomass in Hancock County and its surrounding counties is 284,464 tonnes per year

CTG/CTL: 69% - Abundance of coal in the area with adequate access to barge and rail, but residential area may be undesirable for facility location

Utilities:

- Potable Water – Available from the Lewisport Municipal Water
- Electric – Kenergy, 161 kV and 345 kV < 1 mile from site
- Gas – gas line from Lewisport Natural Gas System located approximately 1 mile from site
- Broadband – Currently provided by Lewisport Telephone Company
- Sewer – Not installed

Transportation:

- Rail – CSX – Located approximately 3000-ft south of the site
- Road – State Route 334 and U.S. 60
- Barge – Potential for barge facility
- Airport Proximity – Hancock County Airport <1 mile from site

Water Availability:

- Water Supply – Ohio River is an adequate water supply

Available Workforce:

- > 100,000 potential workers within the Hancock County area

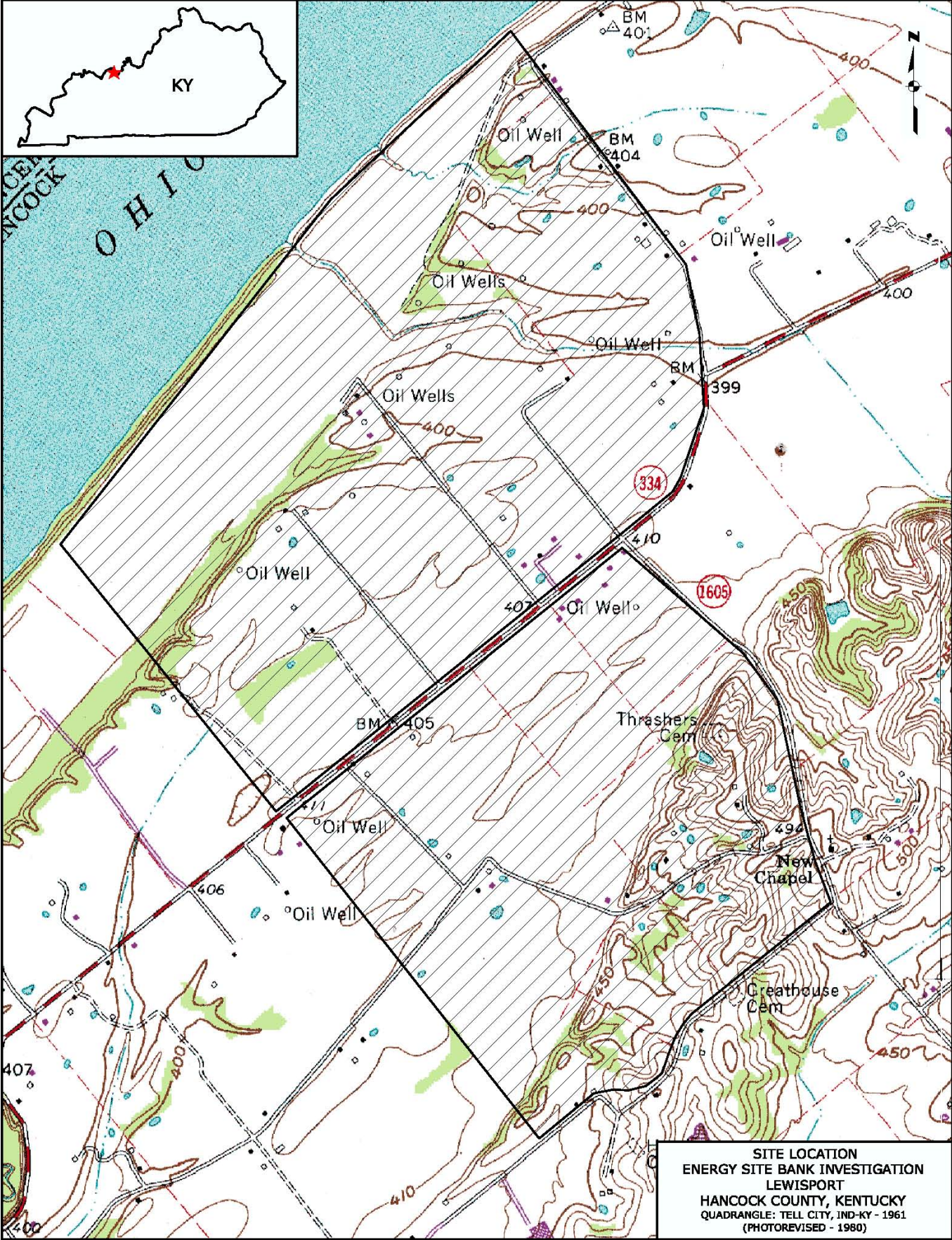
Site Considerations:

- Wetlands – Small areas identified onsite; estimated < 1 acre affected
- Floodplains – Small isolated portion of site within 100-year floodplain; barge facility would be built in floodplain
- Water Resources – Discharge to Ohio River
- Site is used for agricultural purposes
- Adequate coal supply and sequestration potential
- Low geological assets and medium seismic risk

Environmental Assets:

- T&E – No Federal T&E species were listed; Sharp-Shinned Hawk listed as a State T&E species
- Cultural Resources – Further investigation required, Samuel Pate House is located onsite and documented on the National Register of Historic Properties
- Class I Visibility – Property located within 70 miles of Mammoth Cave
- Public Access Areas – Lincoln State Park located 15 miles from site
- Non-Attainment – Approximately 20 miles from Evansville, IN, a non-attainment area
- Site contains active, inactive or abandoned oil/gas wells for potential co-generation





SITE LOCATION
ENERGY SITE BANK INVESTIGATION
LEWISPORT
HANCOCK COUNTY, KENTUCKY
QUADRANGLE: TELL CITY, IND-KY - 1961
(PHOTOREVISED - 1980)