



Lynn Bark Energy Solar Project

Technical Report on Mine Permits, Bond Release Status, and Oil & Gas Wells

Introduction

This report presents an analysis of the mine permits associated with the Lynn Bark Energy Solar Project, situated within or adjacent to the project boundary. The incremental bonding status for each permit has been obtained from the Kentucky Surface Mining Information System (SMIS) database. For enhanced clarity, relevant mine permit boundaries, bond increments, and other significant information are depicted in the accompanying map.

Mine Permit Overview

Permit # 880-7042

This permit encompasses six bonding increments (1-6). Specifically, increments 1, 3, and 4 are located within the project boundary, while increments 2 and 6 are situated approximately ½ mile to the east, and increment 5 is about 1 mile south of the boundary. As of March 15, 2022, the bond release statuses are as follows:

- **Complete Phase 3 Bond Release:** Increments 2, 4, and 6
- **Partial Phase 2 Bond Release:** Increments 1 and 3
- **No Bond Release:** Increment 5

It is noteworthy that Increments 1 and 3, located within the project boundary, have not achieved complete Phase 3 bond release. Key details for Permit # 880-7042 are summarized below:

- **Increment 1:**
 - Phase 2 bond release acquired on March 15, 2022
 - Remaining bond amount: \$71,800
- **Increment 3:**
 - Phase 2 bond release acquired on March 15, 2022
 - Remaining bond amount: \$9,000



Permit # 880-9004

All increments (1-6) associated with this permit have achieved complete Phase 3 bond release as of March 2, 2015.

Permit # 880-0067

This permit includes three increments recorded in the SMIS database, specifically Increments 3, 4, and 8:

- **Increments 3 & 4:** Phase 3 bond release acquired on November 3, 1989
- **Increment 8:** Phase 3 bond release acquired on November 10, 2004

Permit # 0800059

This permit contains three increments (1, 2, and 4), all of which received complete Phase 3 bond release on August 27, 1984.

Permit # 880-0287

This permit consists of ten bonding increments located to the northeast of the project boundary. The closest increment is approximately 150 feet from the boundary; however, none of the increments are situated within or connected to the project boundary.

Permit # 880-0032

Spanning the project boundary, this permit includes 17 bonding increments, all of which have achieved complete Phase 3 bond release. The first release occurred in 1995, with the final increment reaching release status in 2015.



Permit # 880-0043

This permit, located on the southwest border of the project boundary, encompasses 23 bonding increments, all of which have received complete Phase 3 bond release. The first release was issued in 1992, with the last increment achieving release status in 2015.

Oil & Gas Wells

A comprehensive review of the Kentucky Division of Oil & Gas online database was conducted for the Lynn Bark Energy project boundary. This assessment revealed the presence of eight producing gas wells and two producing oil wells within the boundary. Additionally, several dry, abandoned, and terminated wells were identified and are illustrated with their respective symbols on the accompanying map.

Oil and gas gathering line data was also obtained from the Kentucky Division of Oil & Gas and is represented on the attached map. It is important to note that this information may not encompass all historical drilling activity in the project area, as undocumented wells may exist due to prior record-keeping limitations.

List of Oil and Gas Wells:

[Operator, Record No., Original Well Result]

Kentucky West Virginia Gas Co, R#68624, Dry & Abandoned Gas

Kentucky West Virginia Gas Co, R#68631, Producing Gas

Kentucky West Virginia Gas Co, R#68632, Producing Gas

Kentucky West Virginia Gas Co, R#68625, Producing Gas

Leonard Hall, R#138712, Producing Gas

Leonard Hall, R#138713, Producing Gas

Warfield Natural Gas Co, R#68606, Producing Oil



List of Oil and Gas Wells: (Cont...)

[Operator, Record No., Original Well Result]

Warfield Natural Gas Co, R#68741, Producing Oil

Tug River Natural Gas Co, R#68407, Producing Gas

Tug River Natural Gas Co, R#156981, Location Only

Triple S Drilling Co, R#68699, Dry & Abandoned

Chesapeake Appalachia LLC, R#136835, Producing Oil

United Fuel Gas Co, R#68654, Producing Gas

The data presented above represents that which is available in the public domain. It should be understood that no field verification has been performed to date.

If there are any questions feel free to contact me.

Sincerely,
Associated Engineers, Inc.

David A. Lamb, PE
President

