








# BORING LOG NO. ATP-12

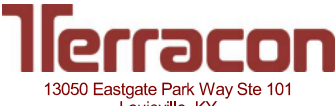
**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

| GRAPHIC LOG   | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6736° Longitude: -86.5454° |  | DEPTH (Ft.) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE |
|---|--|--|-------------|--------------------------|-------------|
|   |  | Approximate Surface Elev.: 717 (Ft.) +/- |             |                          |             |
|   |  | ELEVATION (Ft.)                          |             |                          |             |
| DEPTH   |  |  |             |                          |             |
|    | <b>LEAN CLAY/FAT CLAY (CL/CH)</b>  |  | 10          |                          |             |
| 20.0  |  | 697+/-                                   | 20          |                          |             |
|    | <b>LIMESTONE</b>   |  |             |                          |             |
| 23.0  |  | 694+/-                                   |             |                          |             |
|   | <b>VOID</b>  |  | 30          |                          |             |
| 40.0  |  | 677+/-                                   |             |                          |             |
|  | <b>LIMESTONE</b>   | 676+/-                                   | 40          |                          |             |
| 41.0  |  |  |             |                          |             |
|  | <b>LEAN CLAY/FAT CLAY (CL/CH)</b>  |  |             |                          |             |
| 43.0  |  | 674+/-                                   |             |                          |             |
|  | <b>LIMESTONE</b>   |  |             |                          |             |
| 51.0  |  | 666+/-                                   | 50          |                          |             |
|  | <b>VOID</b>  |  |             |                          |             |
| 60.0  |  | 657+/-                                   | 60          |                          |             |

Stratification lines are approximate. In-situ, the transition may be gradual.

|  |   |   |
|--|---|---|
| Advancement Method:<br>Rotary drilling with compressed air.  | Elevations measured in the field using Leica Zeno 20 GIS unit.                      | Notes:  |
| Abandonment Method:  |   |   |
| <b>WATER LEVEL OBSERVATIONS</b>                              |  | Boring Started: 11-11-2020<br>Drill Rig: T-450<br>Project No.: 57195114 |
| Groundwater levels were not observed due to drillign method. |   | Boring Completed: 11-11-2020<br>Driller: Johnnie Farmer                 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON\_DATATEMPLATE.GDT 11/30/20

# BORING LOG NO. ATP-12

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|             |  |                 |  |             |                          |             |
|-------------|--|-----------------|--|-------------|--------------------------|-------------|
| GRAPHIC LOG | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6736° Longitude: -86.5454° |                 | Approximate Surface Elev.: 717 (Ft.) +/- | DEPTH (Ft.) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE |
|             |  | ELEVATION (Ft.) |  |             |                          |             |

|       |                  |        |    |  |  |  |
|-------|------------------|--------|----|--|--|--|
| DEPTH | <b>LIMESTONE</b> |        |    |  |  |  |
| 70.0  |                  | 647+/- | 70 |  |  |  |

**Boring Terminated at 70 Feet**

Stratification lines are approximate. In-situ, the transition may be gradual.

|   |  |        |
|---|--|--------|
| Advancement Method:<br>Rotary drilling with compressed air. | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes: |
| Abandonment Method:   |  |        |

|   |   |   |
|---|---|---|
| <b>WATER LEVEL OBSERVATIONS</b><br>Groundwater levels were not observed due to drillign method. | <br>13050 Eastgate Park Way Ste 101<br>Louisville, KY | Boring Started: 11-11-2020<br>Drill Rig: T-450<br>Project No.: 57195114 |
|   |   | Boring Completed: 11-11-2020<br>Driller: Johnnie Farmer                 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON\_DATATEMPLATE.GDT 11/30/20

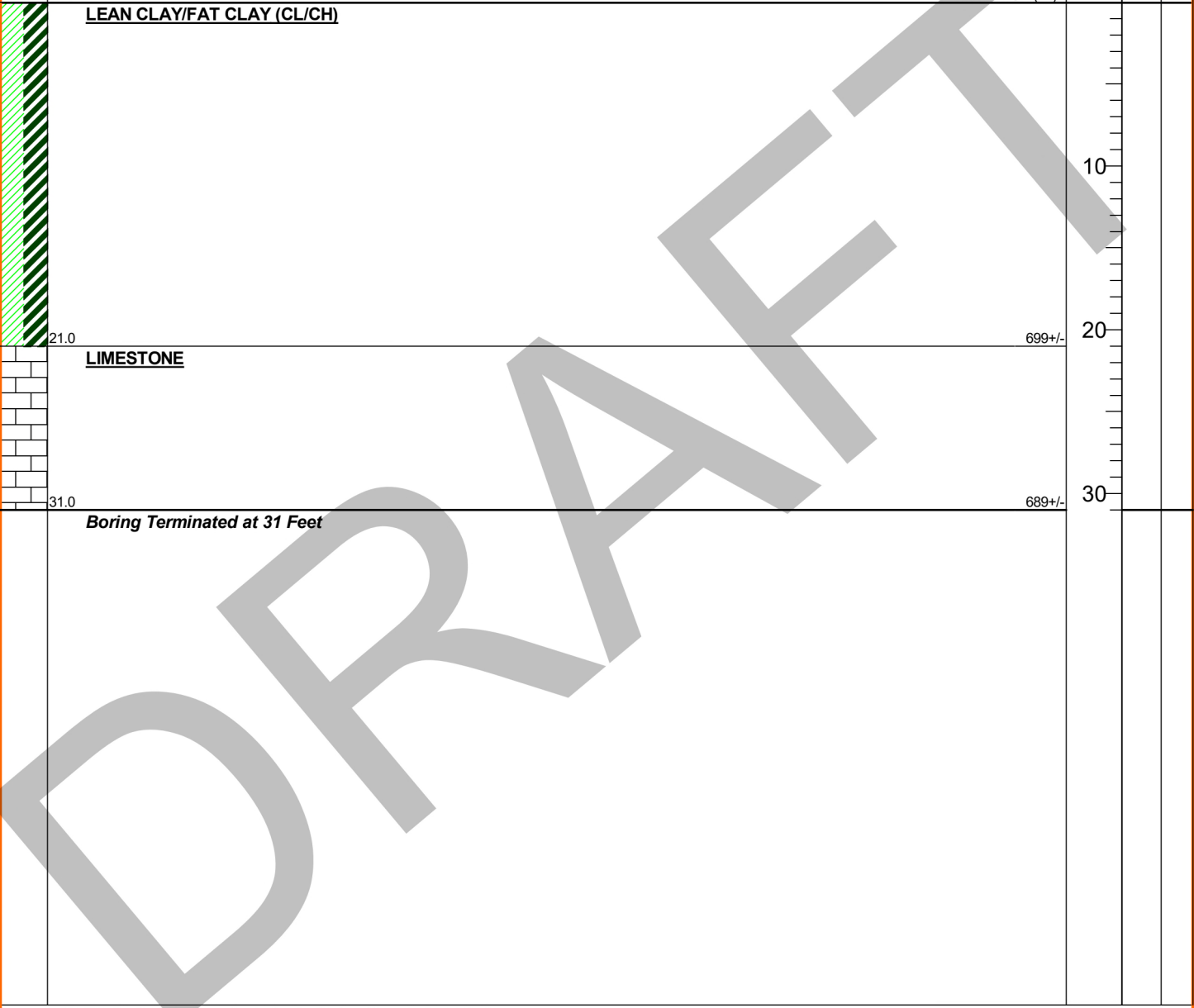
# BORING LOG NO. ATP-13

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |   |  |             |                             |             |
|--------------------|---|--|-------------|-----------------------------|-------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6732° Longitude: -86.546°               |  | DEPTH (Ft.) |                             |             |
|                    | DEPTH <span style="float: right;">Approximate Surface Elev.: 720 (Ft.) +/-<br/>ELEVATION (Ft.)</span> |  |             | WATER LEVEL<br>OBSERVATIONS | SAMPLE TYPE |



Stratification lines are approximate. In-situ, the transition may be gradual.

|  |  |                            |                              |
|--|--|----------------------------|------------------------------|
| Advancement Method:<br>Rotary drilling with compressed air.  | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:                     |                              |
| Abandonment Method:  |  |                            |                              |
| <b>WATER LEVEL OBSERVATIONS</b><br><i>Groundwater levels were not observed due to drillign method.</i> |  | Boring Started: 11-11-2020 | Boring Completed: 11-11-2020 |
|  |  | Drill Rig: T-450           | Driller: Johnnie Farmer      |
|  |  | Project No.: 57195114      |                              |



THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON\_DATATEMPLATE.GDT 11/30/20

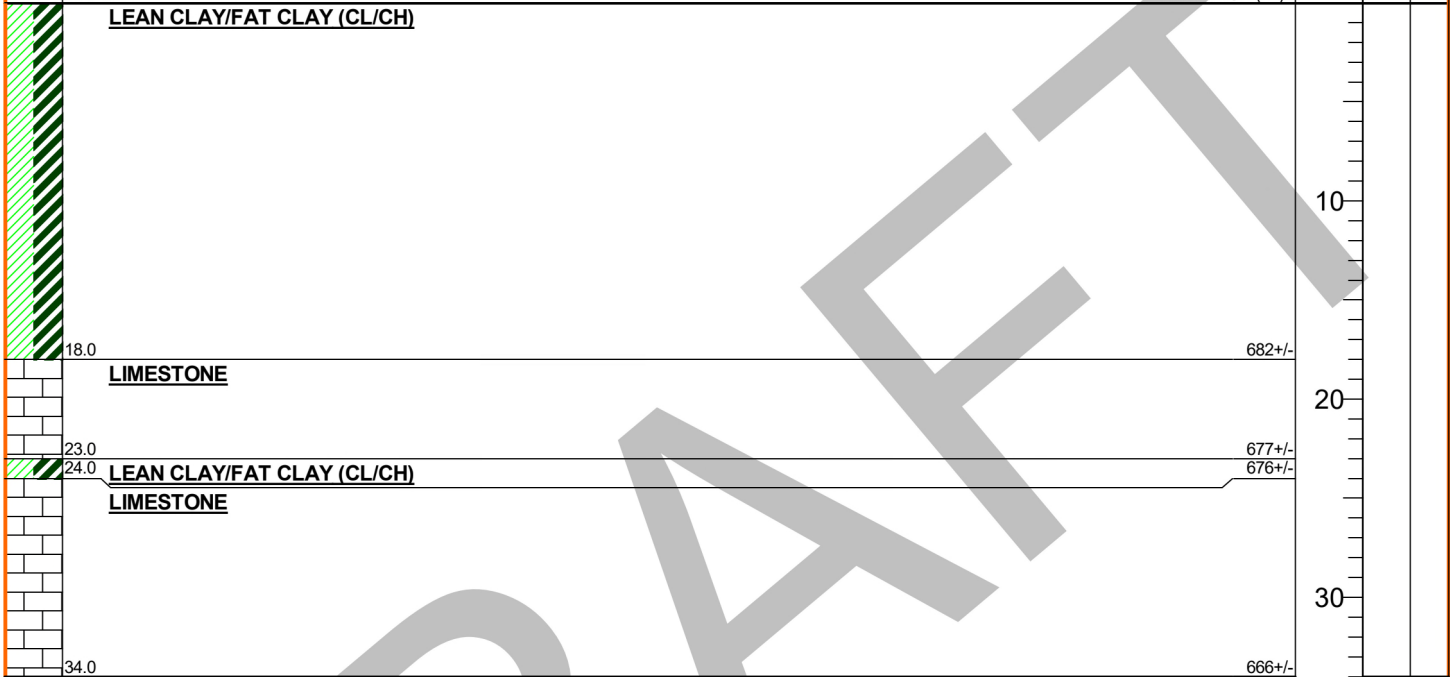
# BORING LOG NO. ATP-14

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |  |                    |                                 |                    |
|--------------------|--|--------------------|---------------------------------|--------------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6726° Longitude: -86.5443° |                    |                                 |                    |
|                    | Approximate Surface Elev.: 700 (Ft.) +/-<br>ELEVATION (Ft.)                              | <b>DEPTH (Ft.)</b> | <b>WATER LEVEL OBSERVATIONS</b> | <b>SAMPLE TYPE</b> |



**Boring Terminated at 34 Feet**

Stratification lines are approximate. In-situ, the transition may be gradual.

|   |  |                            |                              |
|---|--|----------------------------|------------------------------|
| Advancement Method:<br>Rotary drilling with compressed air.                                     | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:                     |                              |
| Abandonment Method:   |  |                            |                              |
| <b>WATER LEVEL OBSERVATIONS</b><br>Groundwater levels were not observed due to drillign method. |  | Boring Started: 11-11-2020 | Boring Completed: 11-11-2020 |
| <br>13050 Eastgate Park Way Ste 101<br>Louisville, KY   |  | Drill Rig: T-450           | Driller: Johnnie Farmer      |
|   |  | Project No.: 57195114      |                              |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON DATATEMPLATE.GDT 11/30/20

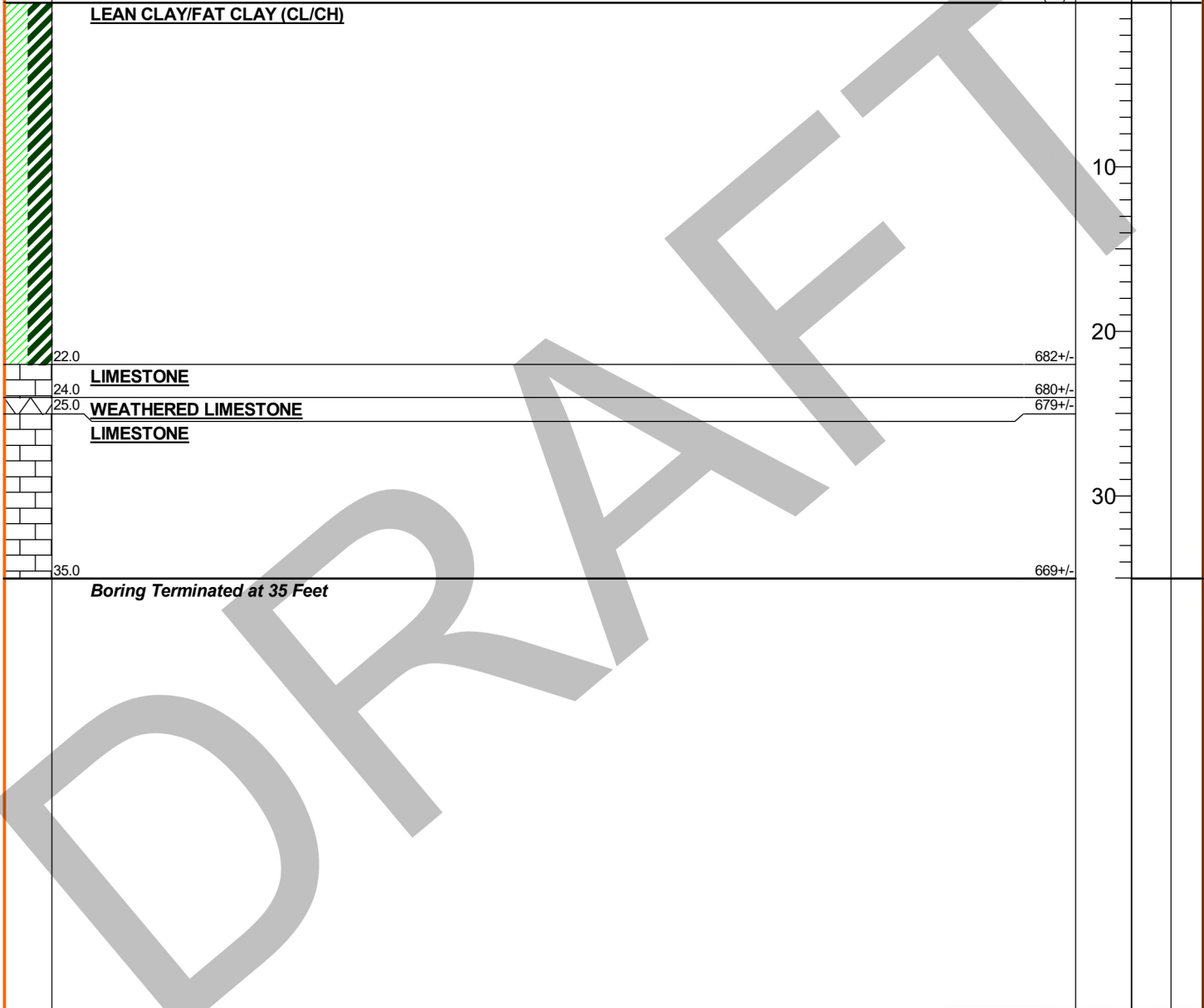
# BORING LOG NO. ATP-15

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |   |             |                             |             |
|--------------------|---|-------------|-----------------------------|-------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6721° Longitude: -86.5448°              |             |                             |             |
|                    | DEPTH <span style="float: right;">Approximate Surface Elev.: 704 (Ft.) +/-<br/>ELEVATION (Ft.)</span> | DEPTH (Ft.) | WATER LEVEL<br>OBSERVATIONS | SAMPLE TYPE |



Stratification lines are approximate. In-situ, the transition may be gradual.

|  |  |   |                              |
|--|--|---|------------------------------|
| Advancement Method:<br>Rotary drilling with compressed air.  | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:  |                              |
| Abandonment Method:  |  |   |                              |
| <b>WATER LEVEL OBSERVATIONS</b>                              | <b>Terracon</b>  | 13050 Eastgate Park Way Ste 101<br>Louisville, KY |                              |
| Groundwater levels were not observed due to drillign method. |  | Boring Started: 11-11-2020                        | Boring Completed: 11-11-2020 |
|  |  | Drill Rig: T-450                                  | Driller: Johnnie Farmer      |
|  |  | Project No.: 57195114                             |                              |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON\_DATATEMPLATE.GDT 11/30/20

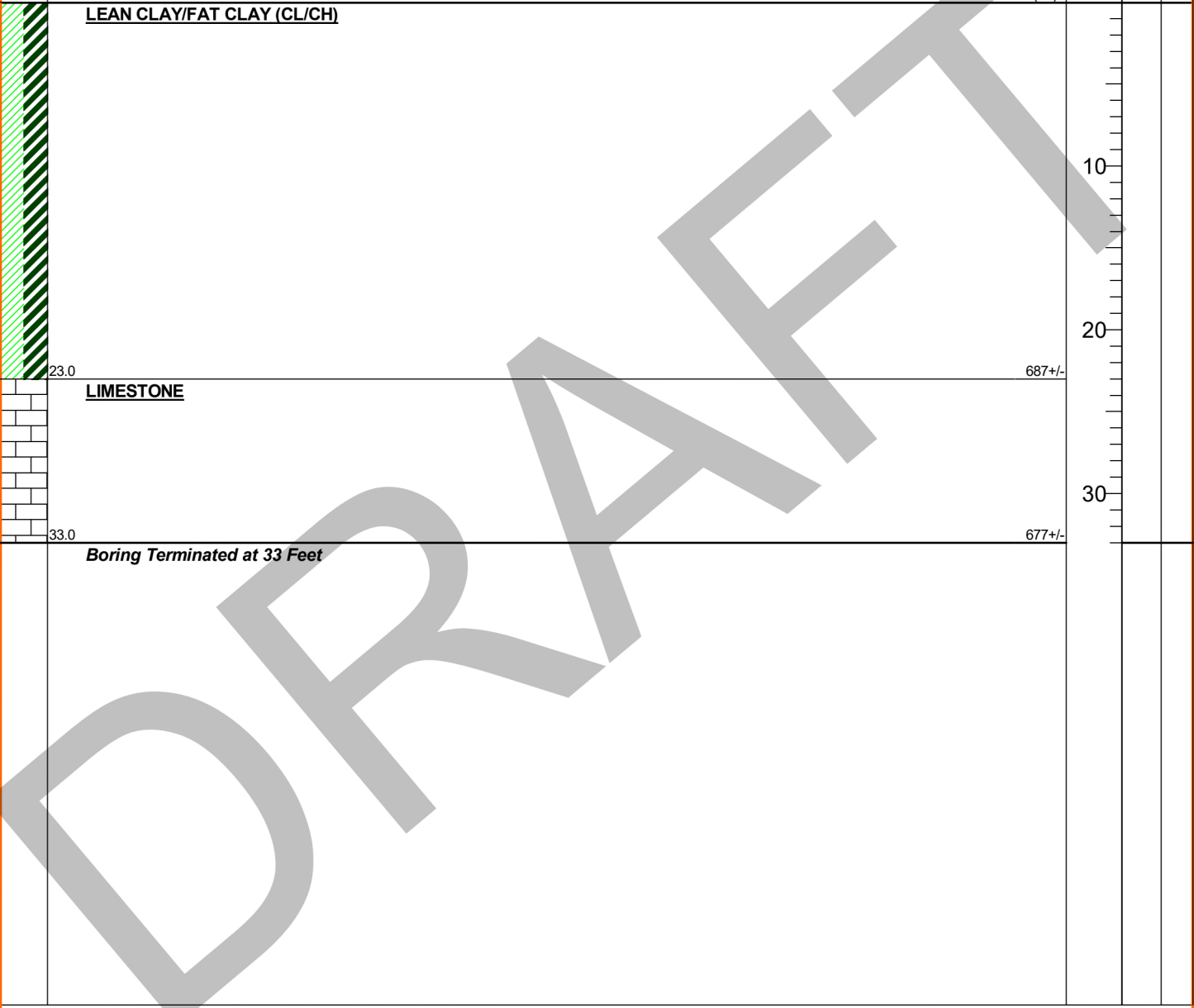
# BORING LOG NO. ATP-16

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |  |                    |                                 |                    |
|--------------------|--|--------------------|---------------------------------|--------------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6714° Longitude: -86.5446° | <b>DEPTH (Ft.)</b> | <b>WATER LEVEL OBSERVATIONS</b> | <b>SAMPLE TYPE</b> |
|                    | Approximate Surface Elev.: 710 (Ft.) +/-   |                    |                                 |                    |
|                    | <b>ELEVATION (Ft.)</b>   |                    |                                 |                    |



Stratification lines are approximate. In-situ, the transition may be gradual.

|   |  |                            |                              |
|---|--|----------------------------|------------------------------|
| Advancement Method:<br>Rotary drilling with compressed air.                                     | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:                     |                              |
| Abandonment Method:   |  |                            |                              |
| <b>WATER LEVEL OBSERVATIONS</b><br>Groundwater levels were not observed due to drillign method. |  | Boring Started: 11-11-2020 | Boring Completed: 11-11-2020 |
| <br>13050 Eastgate Park Way Ste 101<br>Louisville, KY   |  | Drill Rig: T-450           | Driller: Johnnie Farmer      |
|   |  | Project No.: 57195114      |                              |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON\_DATATEMPLATE.GDT 11/30/20

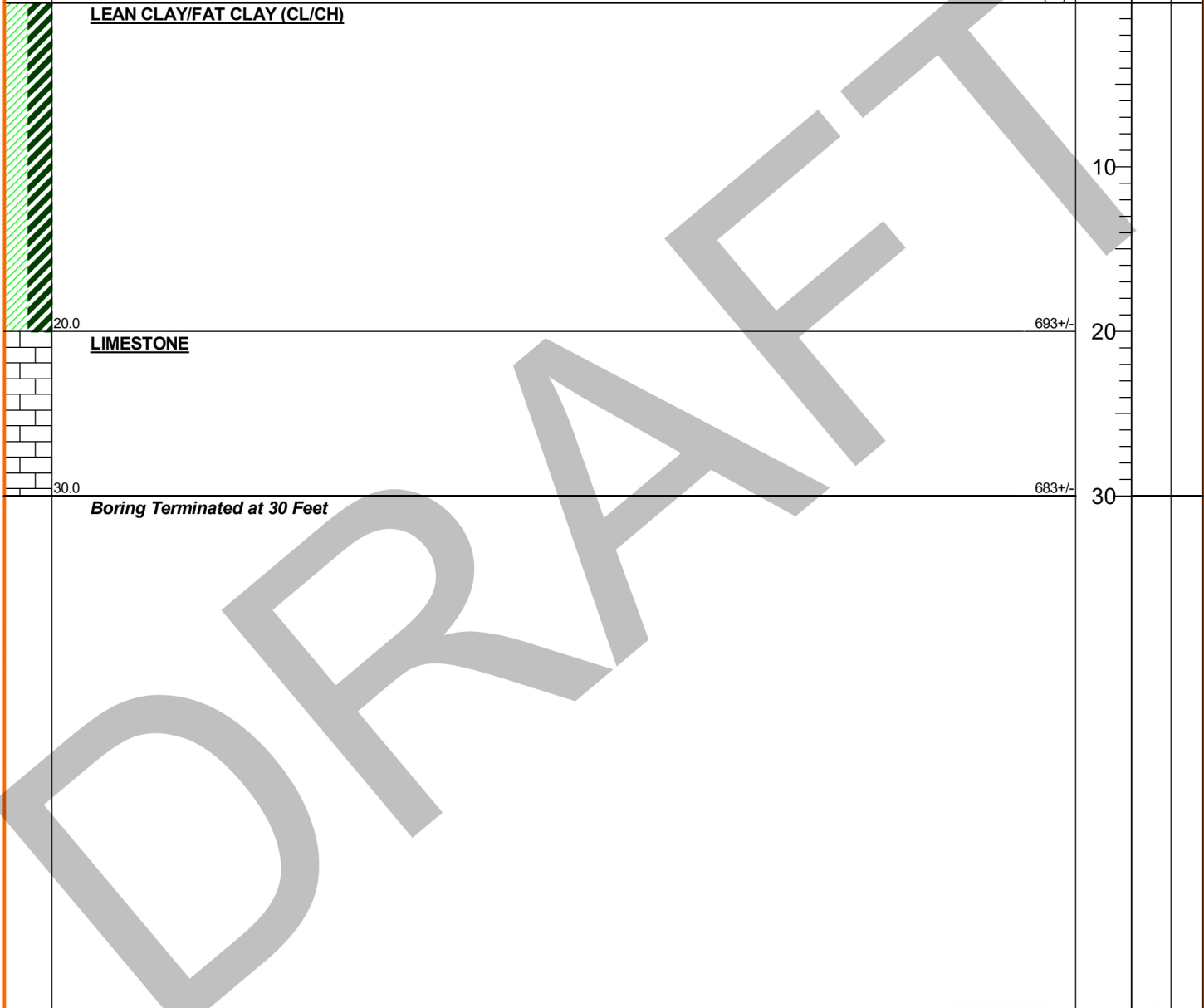
# BORING LOG NO. ATP-17

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |  |             |                             |             |
|--------------------|--|-------------|-----------------------------|-------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6703° Longitude: -86.5443° |             |                             |             |
|                    | Approximate Surface Elev.: 713 (Ft.) +/-<br>ELEVATION (Ft.)                              | DEPTH (Ft.) | WATER LEVEL<br>OBSERVATIONS | SAMPLE TYPE |



Stratification lines are approximate. In-situ, the transition may be gradual.

|   |  |                            |                              |
|---|--|----------------------------|------------------------------|
| Advancement Method:<br>Rotary drilling with compressed air.                                     | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:                     |                              |
| Abandonment Method:   |  |                            |                              |
| <b>WATER LEVEL OBSERVATIONS</b><br>Groundwater levels were not observed due to drillign method. |  | Boring Started: 11-11-2020 | Boring Completed: 11-11-2020 |
| 13050 Eastgate Park Way Ste 101<br>Louisville, KY   |  | Drill Rig: T-450           | Driller: Johnnie Farmer      |
|   |  | Project No.: 57195114      |                              |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON\_DATATEMPLATE.GDT 11/30/20

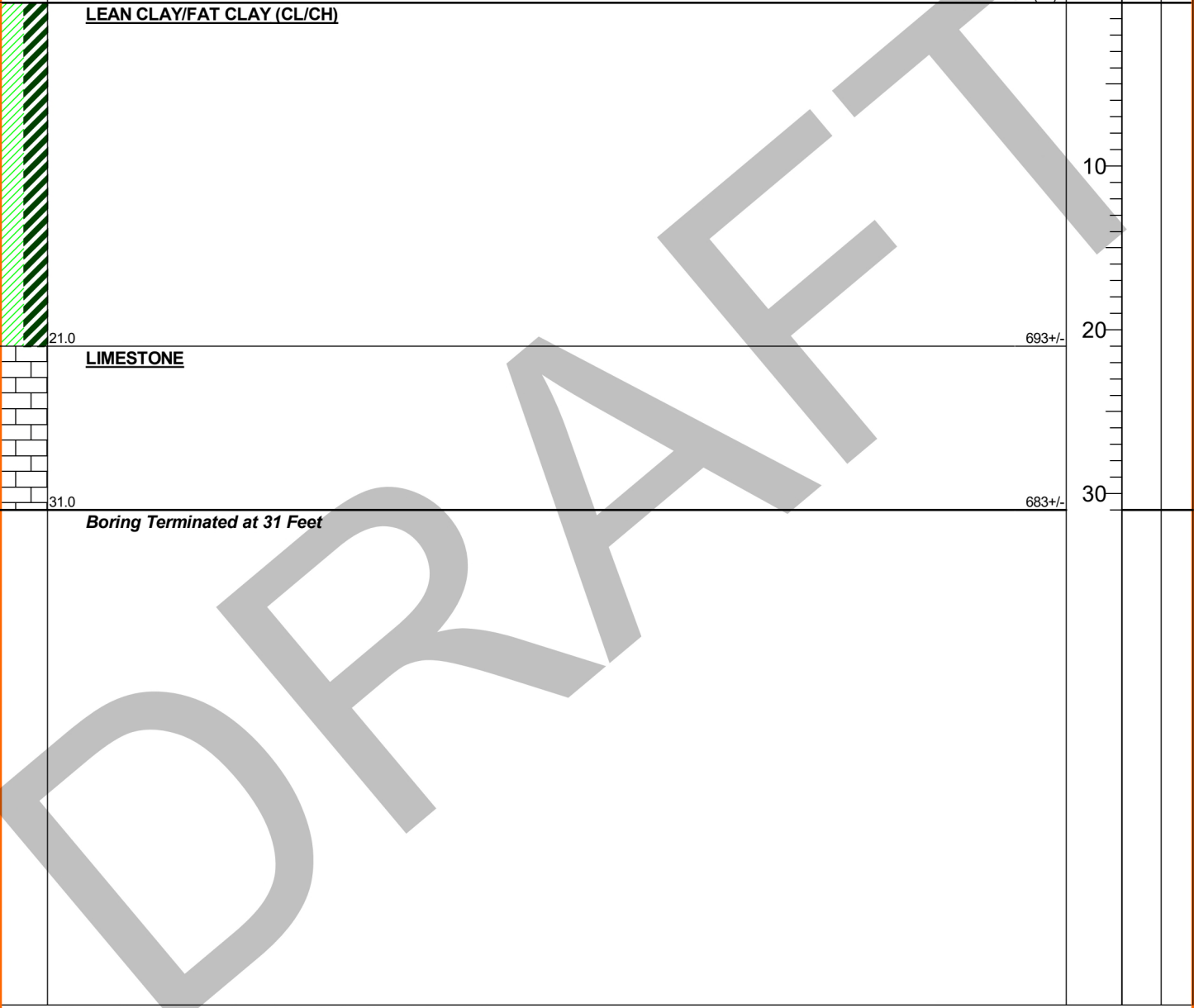
# BORING LOG NO. ATP-18

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |   |             |                             |             |
|--------------------|---|-------------|-----------------------------|-------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6701° Longitude: -86.5442°              |             |                             |             |
|                    | DEPTH <span style="float: right;">Approximate Surface Elev.: 714 (Ft.) +/-<br/>ELEVATION (Ft.)</span> | DEPTH (Ft.) | WATER LEVEL<br>OBSERVATIONS | SAMPLE TYPE |



Stratification lines are approximate. In-situ, the transition may be gradual.

|   |  |                            |                              |
|---|--|----------------------------|------------------------------|
| Advancement Method:<br>Rotary drilling with compressed air.                                     | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:                     |                              |
| Abandonment Method:   |  |                            |                              |
| <b>WATER LEVEL OBSERVATIONS</b><br>Groundwater levels were not observed due to drillign method. |  | Boring Started: 11-11-2020 | Boring Completed: 11-11-2020 |
|   |  | Drill Rig: T-450           | Driller: Johnnie Farmer      |
|   |  | Project No.: 57195114      |                              |



THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON\_DATATEMPLATE.GDT 11/30/20



# BORING LOG NO. ATP-19

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |   |             |                          |             |
|--------------------|---|-------------|--------------------------|-------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6694° Longitude: -86.544° |             |                          |             |
|                    | Approximate Surface Elev.: 726 (Ft.) +/-  | DEPTH (Ft.) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE |
| DEPTH              | ELEVATION (Ft.)   |             |                          |             |



**Boring Terminated at 28 Feet**

Stratification lines are approximate. In-situ, the transition may be gradual.

|  |  |                            |                              |
|--|--|----------------------------|------------------------------|
| Advancement Method:<br>Rotary drilling with compressed air.  | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:                     |                              |
| Abandonment Method:  |  |                            |                              |
| <b>WATER LEVEL OBSERVATIONS</b>                              | <b>Terracon</b>  | Boring Started: 11-11-2020 | Boring Completed: 11-11-2020 |
| Groundwater levels were not observed due to drillign method. | 13050 Eastgate Park Way Ste 101<br>Louisville, KY              | Drill Rig: T-450           | Driller: Johnnie Farmer      |
|  |  | Project No.: 57195114      |                              |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON DATATEMPLATE.GDT 11/30/20

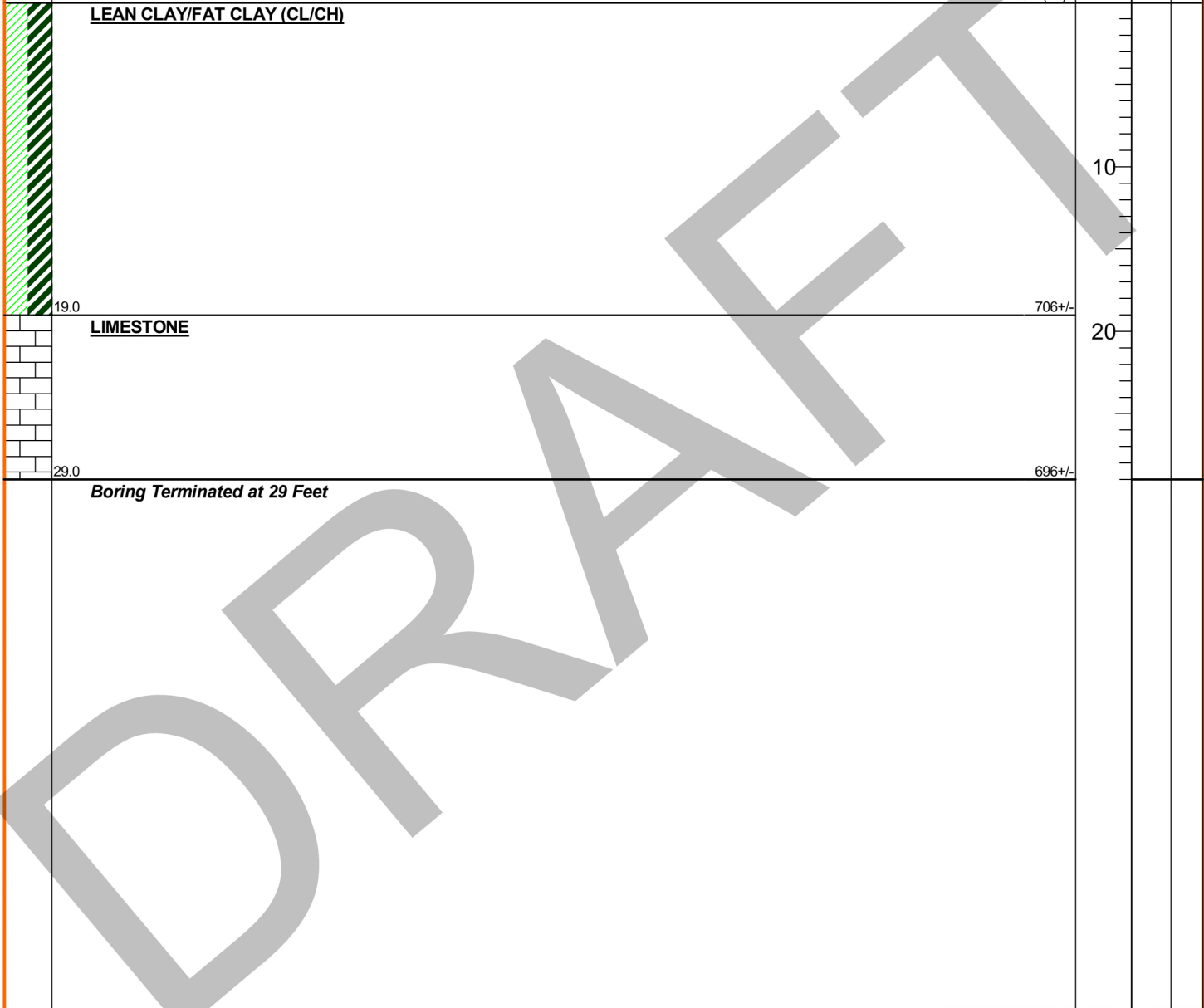
# BORING LOG NO. ATP-20

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |   |  |  |                          |             |
|--------------------|---|--|--|--------------------------|-------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6692° Longitude: -86.544° |  | Approximate Surface Elev.: 725 (Ft.) +/- |                          |             |
|                    | DEPTH <span style="float: right;">ELEVATION (Ft.)</span>                                |  | DEPTH (Ft.)                              | WATER LEVEL OBSERVATIONS | SAMPLE TYPE |



Stratification lines are approximate. In-situ, the transition may be gradual.

|  |  |   |   |
|--|--|---|---|
| Advancement Method:<br>Rotary drilling with compressed air.  | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:  |   |
| Abandonment Method:  |  |   |   |
| <b>WATER LEVEL OBSERVATIONS</b>                              |  |   |   |
| Groundwater levels were not observed due to drillign method. |  | Boring Started: 11-11-2020<br>Drill Rig: T-450<br>Project No.: 57195114 | Boring Completed: 11-11-2020<br>Driller: Johnnie Farmer |



THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON\_DATATEMPLATE.GDT 11/30/20

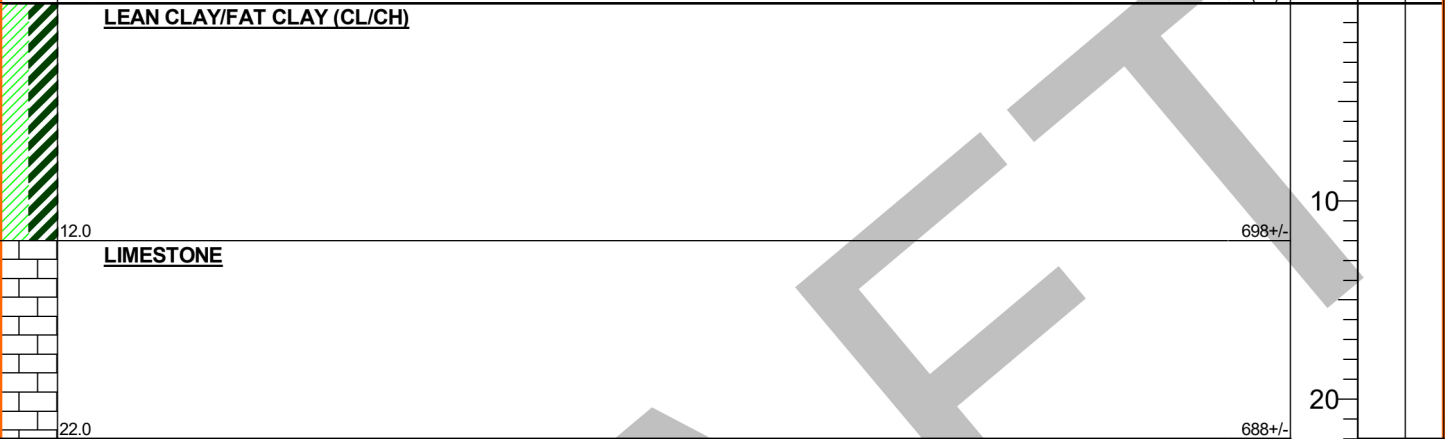
# BORING LOG NO. ATP-21

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |   |             |                          |             |
|--------------------|---|-------------|--------------------------|-------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.668° Longitude: -86.5435° |             |                          |             |
|                    | Approximate Surface Elev.: 710 (Ft.) +/-  | DEPTH (Ft.) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE |
| DEPTH              | ELEVATION (Ft.)   |             |                          |             |



**Boring Terminated at 22 Feet**

Stratification lines are approximate. In-situ, the transition may be gradual.

|   |  |                            |                              |
|---|--|----------------------------|------------------------------|
| Advancement Method:<br>Rotary drilling with compressed air.                                     | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:                     |                              |
| Abandonment Method:   |  |                            |                              |
| <b>WATER LEVEL OBSERVATIONS</b><br>Groundwater levels were not observed due to drillign method. |  | Boring Started: 11-11-2020 | Boring Completed: 11-11-2020 |
| <br>13050 Eastgate Park Way Ste 101<br>Louisville, KY   |  | Drill Rig: T-450           | Driller: Johnnie Farmer      |
|   |  | Project No.: 57195114      |                              |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON\_DATATEMPLATE.GDT 11/30/20

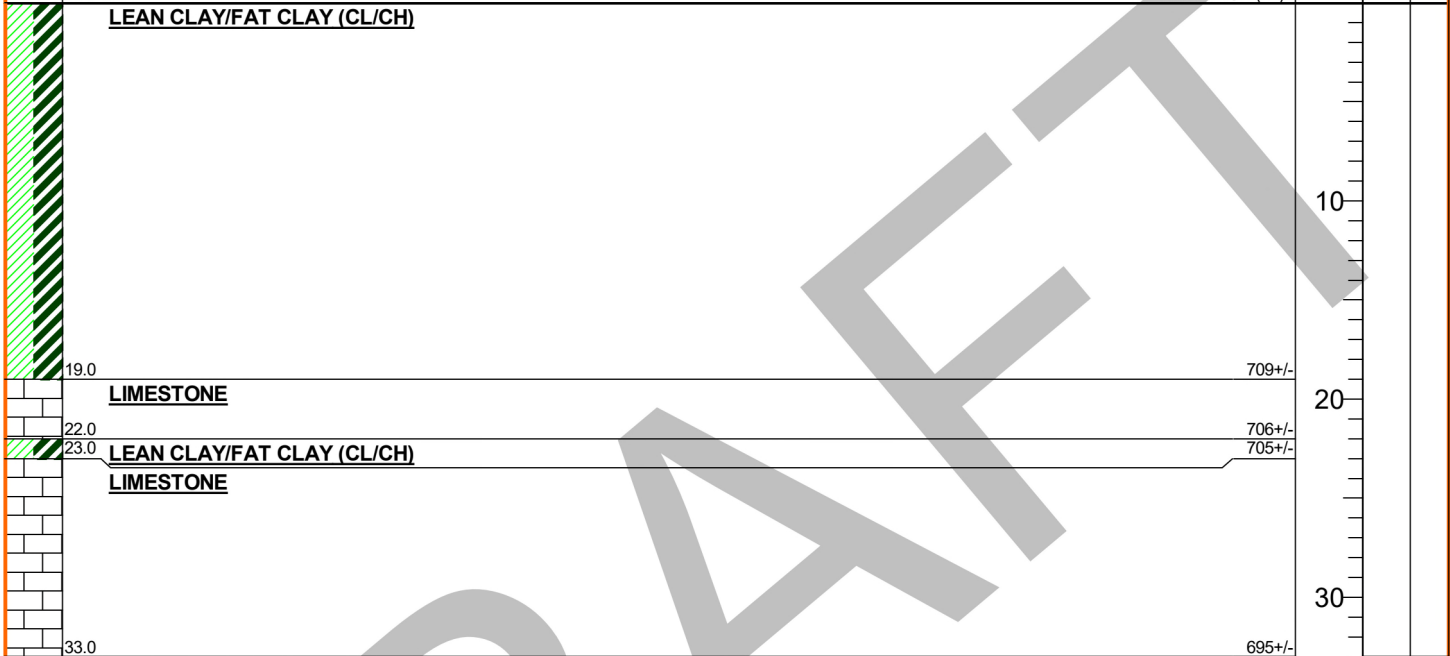
# BORING LOG NO. ATP-22

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |   |             |                             |             |
|--------------------|---|-------------|-----------------------------|-------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6668° Longitude: -86.5433°              |             |                             |             |
|                    | DEPTH <span style="float: right;">Approximate Surface Elev.: 728 (Ft.) +/-<br/>ELEVATION (Ft.)</span> | DEPTH (Ft.) | WATER LEVEL<br>OBSERVATIONS | SAMPLE TYPE |



Stratification lines are approximate. In-situ, the transition may be gradual.

|   |  |                            |                              |
|---|--|----------------------------|------------------------------|
| Advancement Method:<br>Rotary drilling with compressed air.                                     | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:                     |                              |
| Abandonment Method:   |  |                            |                              |
| <b>WATER LEVEL OBSERVATIONS</b><br>Groundwater levels were not observed due to drillign method. |  | Boring Started: 11-11-2020 | Boring Completed: 11-11-2020 |
|   |  | Drill Rig: T-450           | Driller: Johnnie Farmer      |
|   |  | Project No.: 57195114      |                              |



THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON\_DATATEMPLATE.GDT 11/30/20

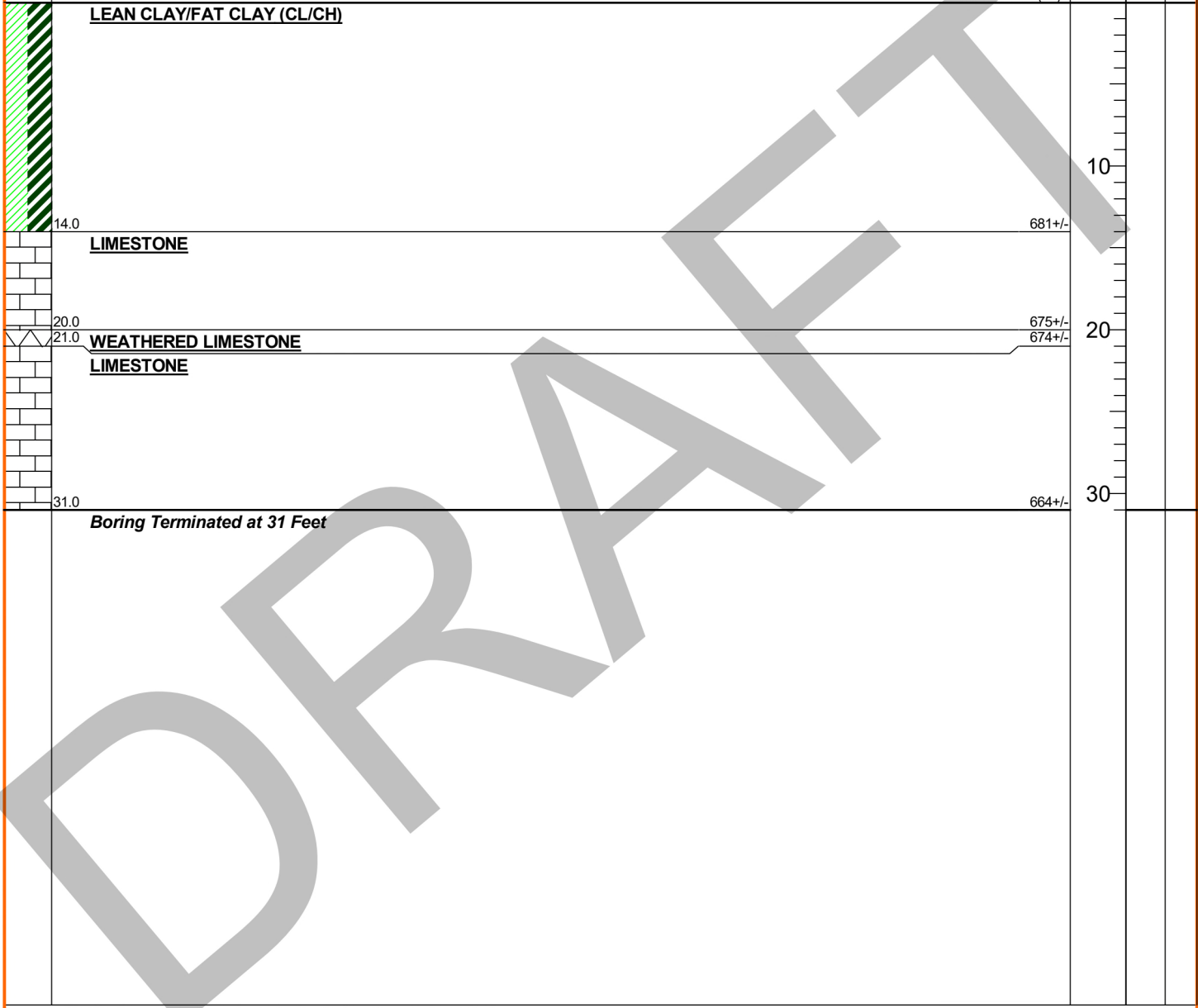
# BORING LOG NO. ATP-23

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |   |             |                          |             |
|--------------------|---|-------------|--------------------------|-------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6752° Longitude: -86.5464°              |             |                          |             |
|                    | DEPTH <span style="float: right;">Approximate Surface Elev.: 695 (Ft.) +/-<br/>ELEVATION (Ft.)</span> | DEPTH (Ft.) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE |



Stratification lines are approximate. In-situ, the transition may be gradual.

|   |  |                            |                              |
|---|--|----------------------------|------------------------------|
| Advancement Method:<br>Rotary drilling with compressed air.         | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:                     |                              |
| Abandonment Method:   |  |                            |                              |
| <b>WATER LEVEL OBSERVATIONS</b>                                     | <b>Terracon</b>  | Boring Started: 11-11-2020 | Boring Completed: 11-11-2020 |
| <i>Groundwater levels were not observed due to drillign method.</i> | 13050 Eastgate Park Way Ste 101<br>Louisville, KY              | Drill Rig: T-450           | Driller: Johnnie Farmer      |
|   |  | Project No.: 57195114      |                              |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON\_DATATEMPLATE.GDT 11/30/20

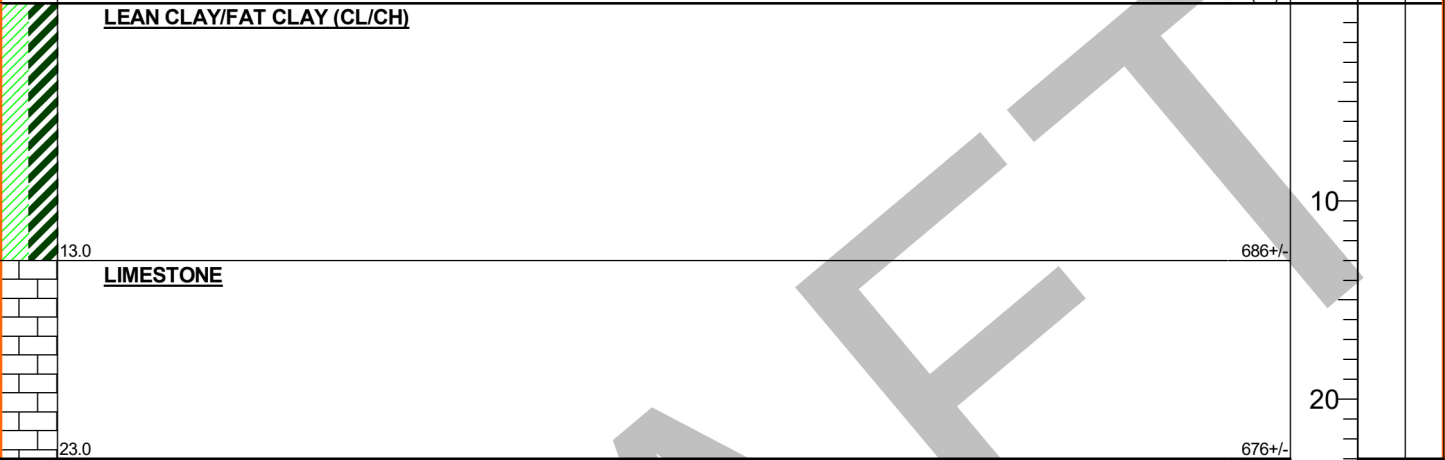
# BORING LOG NO. ATP-24

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |  |             |                          |             |
|--------------------|--|-------------|--------------------------|-------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6748° Longitude: -86.5462° |             |                          |             |
|                    | Approximate Surface Elev.: 699 (Ft.) +/-   | DEPTH (Ft.) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE |
| DEPTH              | ELEVATION (Ft.)  |             |                          |             |



**Boring Terminated at 23 Feet**

Stratification lines are approximate. In-situ, the transition may be gradual.

|   |  |                            |                              |
|---|--|----------------------------|------------------------------|
| Advancement Method:<br>Rotary drilling with compressed air.                                     | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:                     |                              |
| Abandonment Method:   |  |                            |                              |
| <b>WATER LEVEL OBSERVATIONS</b><br>Groundwater levels were not observed due to drillign method. |  | Boring Started: 11-11-2020 | Boring Completed: 11-11-2020 |
| 13050 Eastgate Park Way Ste 101<br>Louisville, KY   |  | Drill Rig: T-450           | Driller: Johnnie Farmer      |
|   |  | Project No.: 57195114      |                              |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON\_DATATEMPLATE.GDT 11/30/20

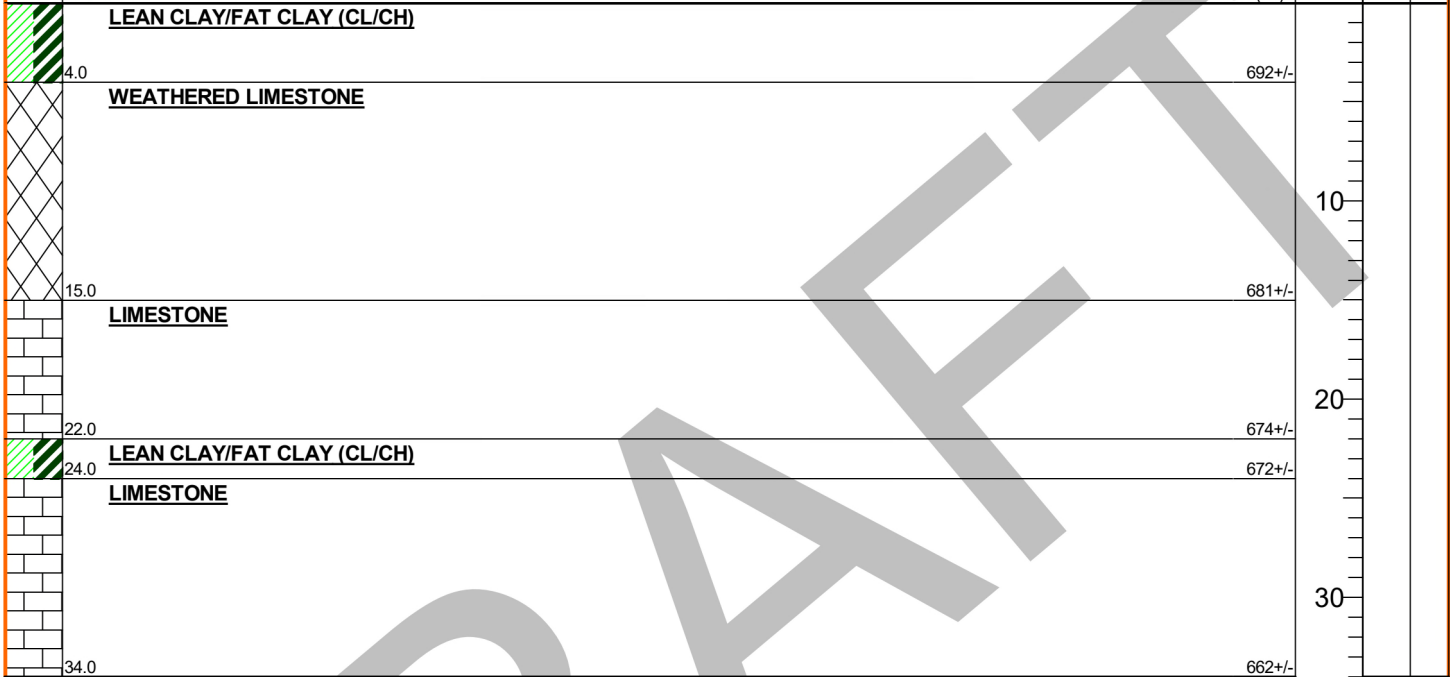
# BORING LOG NO. ATP-25

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |  |                 |  |                          |             |
|--------------------|--|-----------------|--|--------------------------|-------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6746° Longitude: -86.5464° |                 | Approximate Surface Elev.: 696 (Ft.) +/- |                          |             |
|                    | DEPTH  | ELEVATION (Ft.) | DEPTH (Ft.)                              | WATER LEVEL OBSERVATIONS | SAMPLE TYPE |



**Boring Terminated at 34 Feet**

Stratification lines are approximate. In-situ, the transition may be gradual.

|   |  |                            |                              |
|---|--|----------------------------|------------------------------|
| Advancement Method:<br>Rotary drilling with compressed air.         | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:                     |                              |
| Abandonment Method:   |  |                            |                              |
| <b>WATER LEVEL OBSERVATIONS</b>                                     | <b>Terracon</b>  | Boring Started: 11-11-2020 | Boring Completed: 11-11-2020 |
| <i>Groundwater levels were not observed due to drillign method.</i> | 13050 Eastgate Park Way Ste 101<br>Louisville, KY              | Drill Rig: T-450           | Driller: Johnnie Farmer      |
|   |  | Project No.: 57195114      |                              |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON\_DATATEMPLATE.GDT 11/30/20

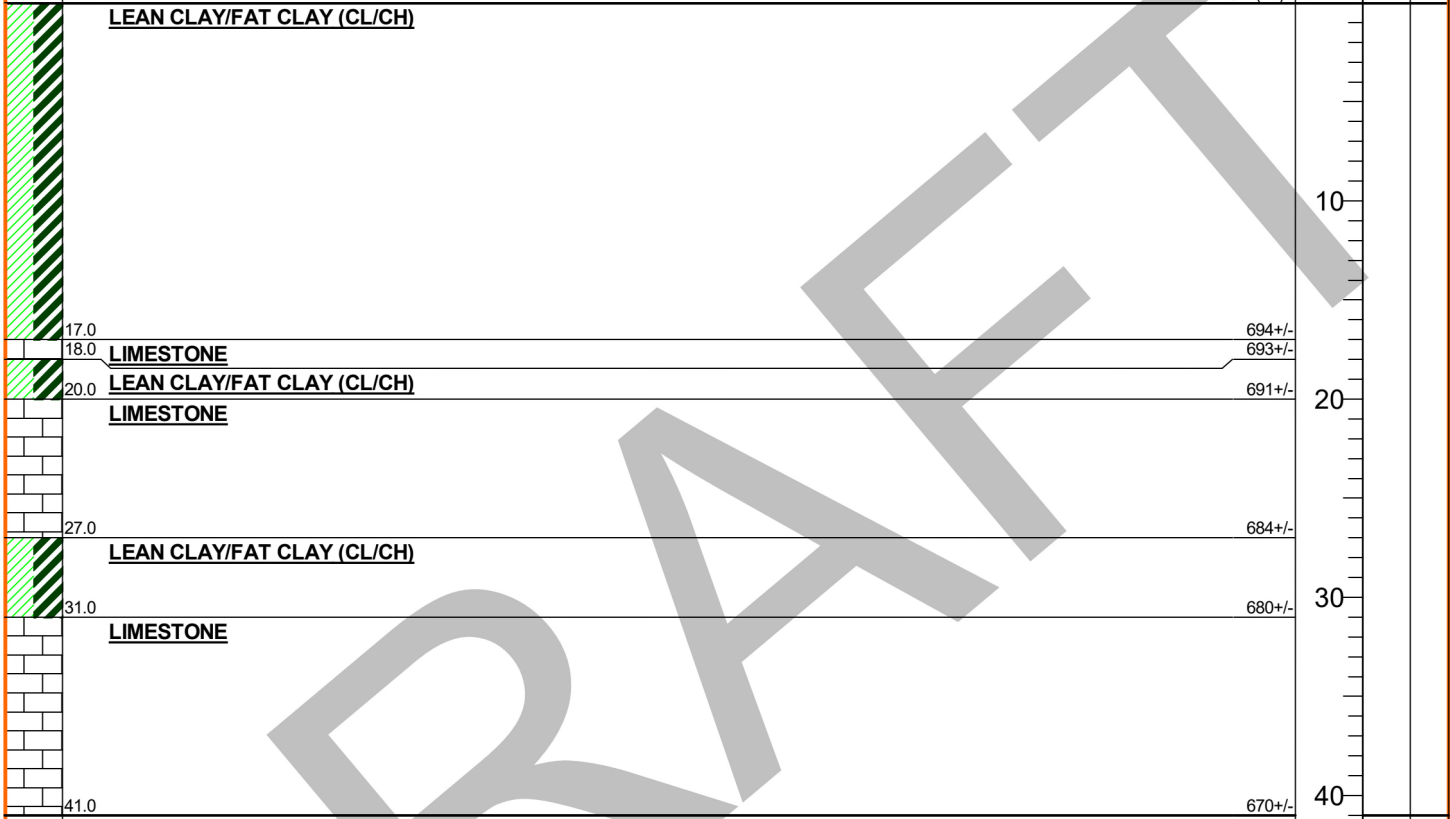
# BORING LOG NO. ATP-26

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |  |                    |                                 |                    |
|--------------------|--|--------------------|---------------------------------|--------------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6741° Longitude: -86.5467° |                    |                                 |                    |
|                    | Approximate Surface Elev.: 711 (Ft.) +/-<br>ELEVATION (Ft.)                              | <b>DEPTH (Ft.)</b> | <b>WATER LEVEL OBSERVATIONS</b> | <b>SAMPLE TYPE</b> |



**Boring Terminated at 41 Feet**

Stratification lines are approximate. In-situ, the transition may be gradual.

|   |  |                            |                              |
|---|--|----------------------------|------------------------------|
| Advancement Method:<br>Rotary drilling with compressed air.                                     | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:                     |                              |
| Abandonment Method:   |  |                            |                              |
| <b>WATER LEVEL OBSERVATIONS</b><br>Groundwater levels were not observed due to drillign method. |  | Boring Started: 11-11-2020 | Boring Completed: 11-11-2020 |
|   |  | Drill Rig: T-450           | Driller: Johnnie Farmer      |
|   |  | Project No.: 57195114      |                              |



THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON DATATEMPLATE.GDT 11/30/20



# BORING LOG NO. ATP-27

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

| GRAPHIC LOG                         | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6739° Longitude: -86.5468° | DEPTH (Ft.) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE |
|-------------------------------------|--|-------------|--------------------------|-------------|
|                                     | Approximate Surface Elev.: 716 (Ft.) +/-   |             |                          |             |
|                                     | ELEVATION (Ft.)  |             |                          |             |
|                                     | <b>DEPTH</b>   |             |                          |             |
| 0.0                                 | <b>LEAN CLAY/FAT CLAY (CL/CH)</b>  |             |                          |             |
| 7.0                                 |  | 709+/-      |                          |             |
| 9.0                                 | <b>LIMESTONE</b>   | 707+/-      |                          |             |
| 15.0                                | <b>LEAN CLAY/FAT CLAY (CL/CH)</b>  | 701+/-      |                          |             |
| 19.0                                | <b>LIMESTONE</b>   | 697+/-      |                          |             |
| 20.0                                | <b>WEATHERED LIMESTONE</b>   | 696+/-      |                          |             |
| 30.0                                | <b>LIMESTONE</b>   | 686+/-      |                          |             |
| <b>Boring Terminated at 30 Feet</b> |  |             |                          |             |

Stratification lines are approximate. In-situ, the transition may be gradual.

|   |  |                            |                              |
|---|--|----------------------------|------------------------------|
| Advancement Method:<br>Rotary drilling with compressed air.                                     | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:                     |                              |
| Abandonment Method:   |  |                            |                              |
| <b>WATER LEVEL OBSERVATIONS</b><br>Groundwater levels were not observed due to drillign method. |  | Boring Started: 11-11-2020 | Boring Completed: 11-11-2020 |
| <br>13050 Eastgate Park Way Ste 101<br>Louisville, KY   |  | Drill Rig: T-450           | Driller: Johnnie Farmer      |
|   |  | Project No.: 57195114      |                              |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON\_DATATEMPLATE.GDT 11/30/20

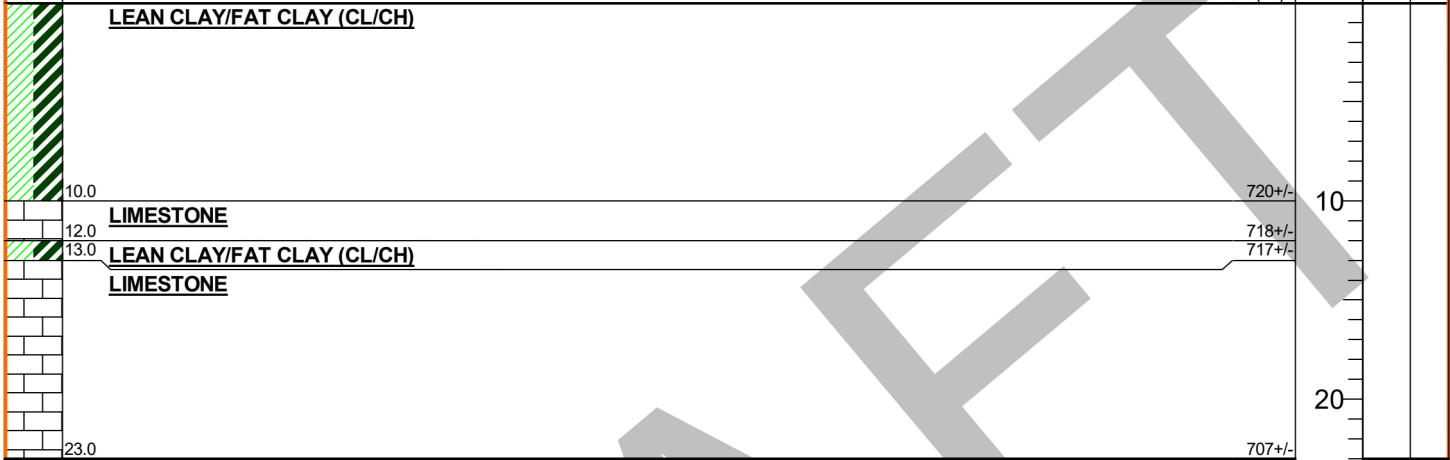
# BORING LOG NO. ATP-28

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |  |                    |                                 |                    |
|--------------------|--|--------------------|---------------------------------|--------------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6731° Longitude: -86.5472° |                    |                                 |                    |
|                    | Approximate Surface Elev.: 730 (Ft.) +/-<br>ELEVATION (Ft.)                              | <b>DEPTH (Ft.)</b> | <b>WATER LEVEL OBSERVATIONS</b> | <b>SAMPLE TYPE</b> |



**Boring Terminated at 23 Feet**

Stratification lines are approximate. In-situ, the transition may be gradual.

|  |  |   |   |
|--|--|---|---|
| Advancement Method:<br>Rotary drilling with compressed air.  | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:  |   |
| Abandonment Method:  | <p>13050 Eastgate Park Way Ste 101<br/>Louisville, KY</p>      |   |   |
| <b>WATER LEVEL OBSERVATIONS</b>                              |  |   |   |
| Groundwater levels were not observed due to drillign method. |  |   |   |
|  |  | Boring Started: 11-11-2020<br>Drill Rig: T-450<br>Project No.: 57195114 | Boring Completed: 11-11-2020<br>Driller: Johnnie Farmer |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON\_DATATEMPLATE.GDT 11/30/20

# BORING LOG NO. ATP-29

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

| GRAPHIC LOG | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6719° Longitude: -86.5479° | DEPTH (Ft.) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE |
|-------------|--|-------------|--------------------------|-------------|
|             | Approximate Surface Elev.: 721 (Ft.) +/-   |             |                          |             |
|             | ELEVATION (Ft.)  |             |                          |             |
| DEPTH       |  |             |                          |             |
| 8.0         | <b>LEAN CLAY/FAT CLAY (CL/CH)</b>  |             |                          |             |
| 9.0         | <b>LIMESTONE</b>   | 713+/-      |                          |             |
| 10.0        | <b>LEAN CLAY/FAT CLAY (CL/CH)</b>  | 712+/-      |                          |             |
|             | <b>LIMESTONE</b>   | 711+/-      |                          |             |
| 18.0        |  |             |                          |             |
| 19.0        | <b>LEAN CLAY/FAT CLAY (CL/CH)</b>  | 703+/-      |                          |             |
|             | <b>LIMESTONE</b>   | 702+/-      |                          |             |
| 24.0        |  |             |                          |             |
| 26.0        | <b>LEAN CLAY/FAT CLAY (CL/CH)</b>  | 697+/-      |                          |             |
|             | <b>LIMESTONE</b>   | 695+/-      |                          |             |
| 36.0        |  | 685+/-      |                          |             |
|             | <b>Boring Terminated at 36 Feet</b>  |             |                          |             |

Stratification lines are approximate. In-situ, the transition may be gradual.

Advancement Method:  
Rotary drilling with compressed air.

Elevations measured in the field using Leica Zeno 20 GIS unit.

Notes:

Abandonment Method:

**WATER LEVEL OBSERVATIONS**

*Groundwater levels were not observed due to drillign method.*



Boring Started: 11-11-2020

Boring Completed: 11-11-2020

Drill Rig: T-450

Driller: Johnnie Farmer

Project No.: 57195114

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON DATATEMPLATE.GDT 11/30/20

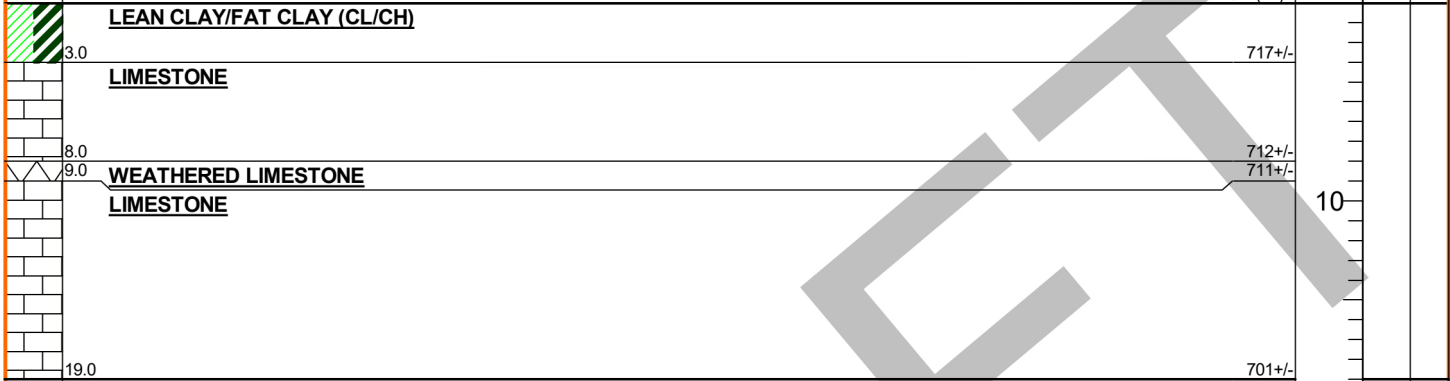
# BORING LOG NO. ATP-30

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|             |   |                 |  |                          |             |
|-------------|---|-----------------|--|--------------------------|-------------|
| GRAPHIC LOG | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6718° Longitude: -86.548° |                 | Approximate Surface Elev.: 720 (Ft.) +/- |                          |             |
|             | DEPTH   | ELEVATION (Ft.) | DEPTH (Ft.)                              | WATER LEVEL OBSERVATIONS | SAMPLE TYPE |



**Boring Terminated at 19 Feet**

Stratification lines are approximate. In-situ, the transition may be gradual.

|   |  |                            |                              |
|---|--|----------------------------|------------------------------|
| Advancement Method:<br>Rotary drilling with compressed air.                                     | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:                     |                              |
| Abandonment Method:   |  |                            |                              |
| <b>WATER LEVEL OBSERVATIONS</b><br>Groundwater levels were not observed due to drillign method. |  | Boring Started: 11-12-2020 | Boring Completed: 11-12-2020 |
|   |  | Drill Rig: T-450           | Driller: Johnnie Farmer      |
|   |  | Project No.: 57195114      |                              |



THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_ 57195114 HOFFMAN SOLAR FAC.GPJ TERRACON\_DATATEMPLATE.GDT 11/30/20

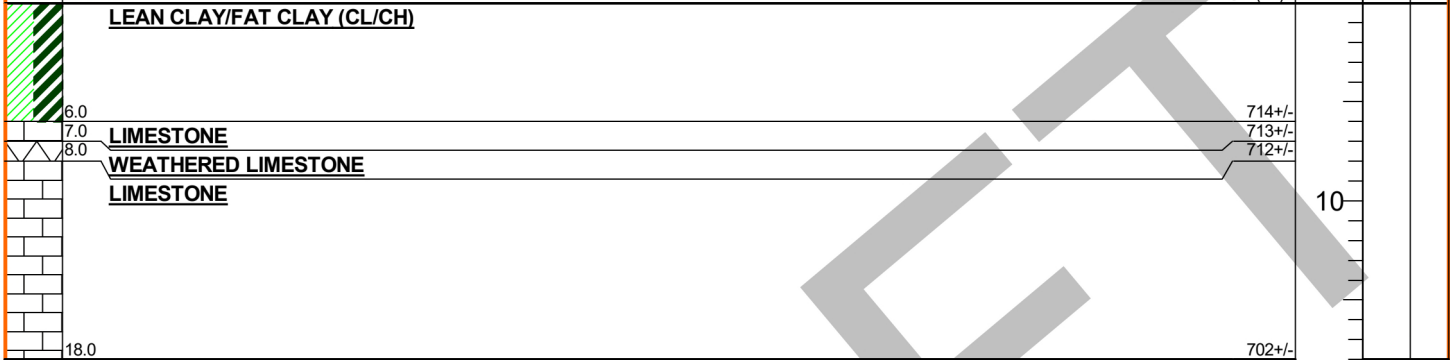
# BORING LOG NO. ATP-31

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |   |  |  |
|--------------------|---|--|--|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6717° Longitude: -86.548° |  | DEPTH (Ft.)<br>WATER LEVEL OBSERVATIONS<br>SAMPLE TYPE |
|                    | Approximate Surface Elev.: 720 (Ft.) +/-<br>ELEVATION (Ft.)                             |  |  |



**Boring Terminated at 18 Feet**

Stratification lines are approximate. In-situ, the transition may be gradual.

|   |  |   |   |
|---|--|---|---|
| Advancement Method:<br>Rotary drilling with compressed air.                                     | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:  |   |
| Abandonment Method:   |  |   |   |
| <b>WATER LEVEL OBSERVATIONS</b><br>Groundwater levels were not observed due to drillign method. |  | Boring Started: 11-12-2020<br>Drill Rig: T-450<br>Project No.: 57195114 | Boring Completed: 11-12-2020<br>Driller: Johnnie Farmer |



THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON DATATEMPLATE.GDT 11/30/20

# BORING LOG NO. ATP-32

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |  |             |                          |             |
|--------------------|--|-------------|--------------------------|-------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6707° Longitude: -86.5486° |             |                          |             |
|                    | Approximate Surface Elev.: 718 (Ft.) +/-   | DEPTH (Ft.) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE |
|                    | ELEVATION (Ft.)  |             |                          |             |



**Boring Terminated at 27 Feet**

Stratification lines are approximate. In-situ, the transition may be gradual.

|  |  |                            |                              |
|--|--|----------------------------|------------------------------|
| Advancement Method:<br>Rotary drilling with compressed air.  | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:                     |                              |
| Abandonment Method:  |  |                            |                              |
| <b>WATER LEVEL OBSERVATIONS</b>                              |  | Boring Started: 11-12-2020 | Boring Completed: 11-12-2020 |
| Groundwater levels were not observed due to drillign method. |  | Drill Rig: T-450           | Driller: Johnnie Farmer      |
|  | 13050 Eastgate Park Way Ste 101<br>Louisville, KY              | Project No.: 57195114      |                              |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON\_DATATEMPLATE.GDT 11/30/20

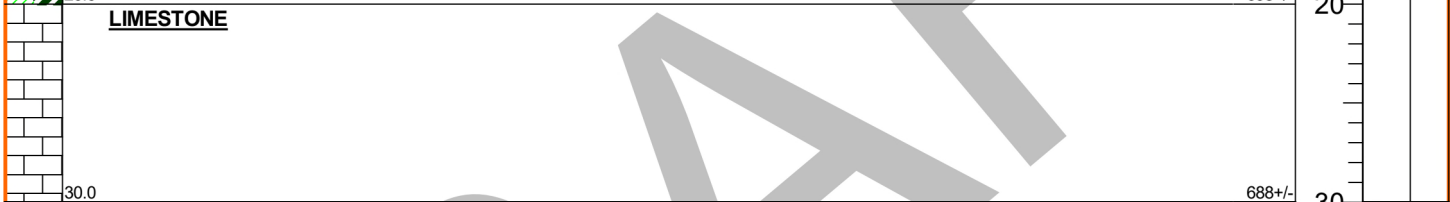
# BORING LOG NO. ATP-33

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |  |             |                          |             |
|--------------------|--|-------------|--------------------------|-------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6703° Longitude: -86.5488° |             |                          |             |
|                    | Approximate Surface Elev.: 718 (Ft.) +/-   | DEPTH (Ft.) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE |
| DEPTH              | ELEVATION (Ft.)  |             |                          |             |



**Boring Terminated at 30 Feet**

Stratification lines are approximate. In-situ, the transition may be gradual.

|  |  |   |   |
|--|--|---|---|
| Advancement Method:<br>Rotary drilling with compressed air.  | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:  |   |
| Abandonment Method:  |  |   |   |
| <b>WATER LEVEL OBSERVATIONS</b>                              | 13050 Eastgate Park Way Ste 101<br>Louisville, KY              | Boring Started: 11-12-2020<br>Drill Rig: T-450<br>Project No.: 57195114 | Boring Completed: 11-12-2020<br>Driller: Johnnie Farmer |
| Groundwater levels were not observed due to drillign method. |  |   |   |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON\_DATATEMPLATE.GDT 11/30/20

# BORING LOG NO. ATP-34

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |   |  |                    |                                 |
|--------------------|---|--|--------------------|---------------------------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6702° Longitude: -86.5489°              |  |                    |                                 |
|                    | DEPTH <span style="float: right;">Approximate Surface Elev.: 723 (Ft.) +/-<br/>ELEVATION (Ft.)</span> |  | <b>DEPTH (Ft.)</b> | <b>WATER LEVEL OBSERVATIONS</b> |



**Boring Terminated at 32 Feet**

Stratification lines are approximate. In-situ, the transition may be gradual.

|   |  |                            |                              |
|---|--|----------------------------|------------------------------|
| Advancement Method:<br>Rotary drilling with compressed air.                                     | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:                     |                              |
| Abandonment Method:   |  |                            |                              |
| <b>WATER LEVEL OBSERVATIONS</b><br>Groundwater levels were not observed due to drillign method. |  | Boring Started: 11-12-2020 | Boring Completed: 11-12-2020 |
| 13050 Eastgate Park Way Ste 101<br>Louisville, KY   |  | Drill Rig: T-450           | Driller: Johnnie Farmer      |
|   |  | Project No.: 57195114      |                              |



# BORING LOG NO. ATP-35

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |   |                    |                        |                                 |                    |
|--------------------|---|--------------------|------------------------|---------------------------------|--------------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.67° Longitude: -86.549° | <b>DEPTH (Ft.)</b> |                        | <b>WATER LEVEL OBSERVATIONS</b> | <b>SAMPLE TYPE</b> |
|                    | Approximate Surface Elev.: 722 (Ft.) +/-  |                    | <b>ELEVATION (Ft.)</b> |                                 |                    |



**Boring Terminated at 32 Feet**

Stratification lines are approximate. In-situ, the transition may be gradual.

|   |  |                            |                              |
|---|--|----------------------------|------------------------------|
| Advancement Method:<br>Rotary drilling with compressed air.                                     | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:                     |                              |
| Abandonment Method:   |  |                            |                              |
| <b>WATER LEVEL OBSERVATIONS</b><br>Groundwater levels were not observed due to drillign method. |  | Boring Started: 11-12-2020 | Boring Completed: 11-12-2020 |
| 13050 Eastgate Park Way Ste 101<br>Louisville, KY   |  | Drill Rig: T-450           | Driller: Johnnie Farmer      |
|   |  | Project No.: 57195114      |                              |

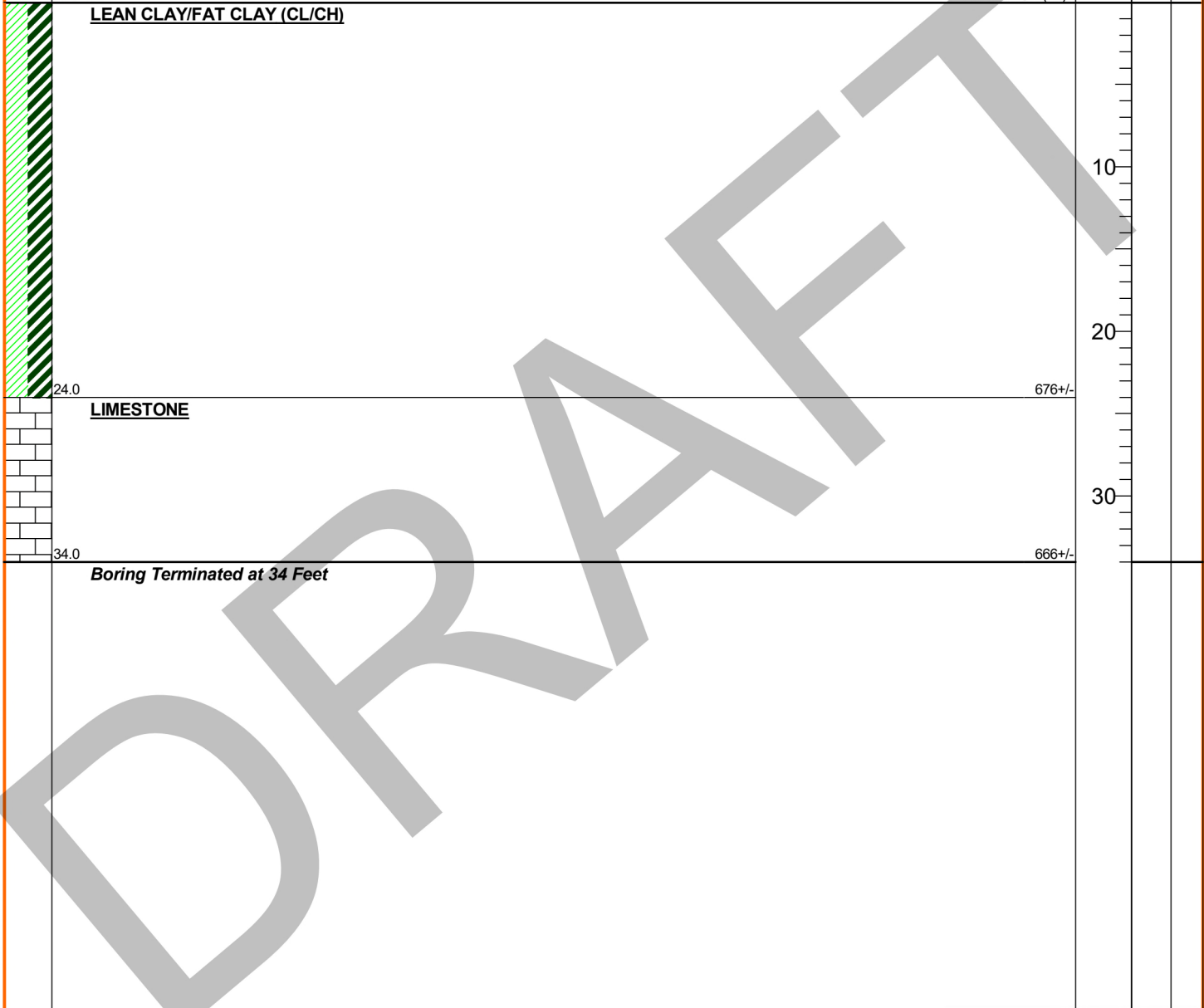
# BORING LOG NO. ATP-36

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |   |             |                             |             |
|--------------------|---|-------------|-----------------------------|-------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6727° Longitude: -86.5444°              |             |                             |             |
|                    | DEPTH <span style="float: right;">Approximate Surface Elev.: 700 (Ft.) +/-<br/>ELEVATION (Ft.)</span> | DEPTH (Ft.) | WATER LEVEL<br>OBSERVATIONS | SAMPLE TYPE |



Stratification lines are approximate. In-situ, the transition may be gradual.

|   |  |                            |                              |
|---|--|----------------------------|------------------------------|
| Advancement Method:<br>Rotary drilling with compressed air.                                     | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:                     |                              |
| Abandonment Method:   |  |                            |                              |
| <b>WATER LEVEL OBSERVATIONS</b><br>Groundwater levels were not observed due to drillign method. |  | Boring Started: 11-12-2020 | Boring Completed: 11-12-2020 |
| 13050 Eastgate Park Way Ste 101<br>Louisville, KY   |  | Drill Rig: T-450           | Driller: Johnnie Farmer      |
|   |  | Project No.: 57195114      |                              |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114\_HOFFMAN SOLAR FAC.GPJ TERRACON\_DATATEMPLATE.GDT 11/30/20

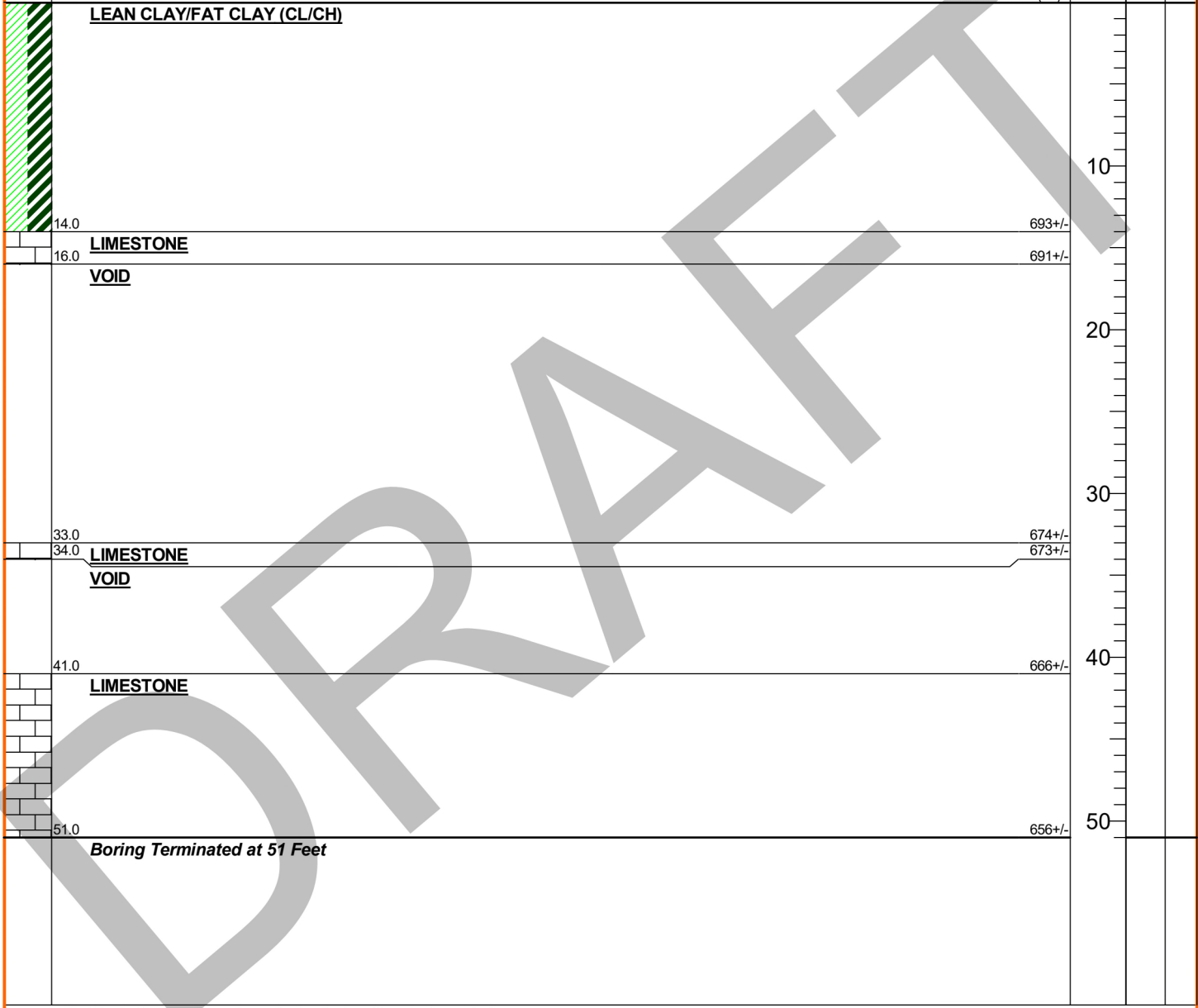
# BORING LOG NO. ATP-37

**PROJECT:** Hoffman Solar Facility

**CLIENT:** Horus Renewables Corp  
West Sacramento, CA

**SITE:** Tyree Chapel Road  
Franklin, KY

|                    |  |             |                          |             |
|--------------------|--|-------------|--------------------------|-------------|
| <b>GRAPHIC LOG</b> | LOCATION See <a href="#">Exploration Plan</a><br>Latitude: 36.6679° Longitude: -86.5433° |             |                          |             |
|                    | Approximate Surface Elev.: 707 (Ft.) +/-   | DEPTH (Ft.) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE |
| DEPTH              | ELEVATION (Ft.)  |             |                          |             |



THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL\_57195114 HOFFMAN SOLAR FAC.GPJ TERRACON\_DATATEMPLATE.GDT 11/30/20

|  |  |                            |                              |
|--|--|----------------------------|------------------------------|
| Advancement Method:<br>Rotary drilling with compressed air.  | Elevations measured in the field using Leica Zeno 20 GIS unit. | Notes:                     |                              |
| Abandonment Method:  |  |                            |                              |
| <b>WATER LEVEL OBSERVATIONS</b>                              | <b>Terracon</b>  | Boring Started: 11-12-2020 | Boring Completed: 11-12-2020 |
| Groundwater levels were not observed due to drillign method. | 13050 Eastgate Park Way Ste 101<br>Louisville, KY              | Drill Rig: T-450           | Driller: Johnnie Farmer      |
|  |  | Project No.: 57195114      |                              |

**PHOTOGRAPHY LOG**

DRAFT

**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

November 30, 2020 ■ Terracon Project No. 57195114



Photo 1



Photo 2

Feature F-52: Surface drainage channel / blind swale. No soil piping observed.

**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

November 30, 2020 ■ Terracon Project No. 57195114



Photo 3



Photo 4

Feature F-53: Broad, gentle sloped cover subsidence sinkhole. No open throat observed.

**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

November 30, 2020 ■ Terracon Project No. 57195114



Photo 5



Photo 6

Feature F-54: Broad, Broad cover subsidence sinkhole. Area within the feature had been apparently filled-in for agricultural activities. May indicate filled in subordinate collapse or throats within feature.

**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

November 30, 2020 ■ Terracon Project No. 57195114



Photo 7



Photo 8

Feature F-55: Suspected cover collapse feature. However, area was apparently filled-in for agricultural activities.



**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

November 30, 2020 ■ Terracon Project No. 57195114



Photo 9



Photo 10

Feature F-56: Cover collapse sinkhole with open throat located within broad cover subsidence feature. Approximately 20 by 40 ft and about 20 ft deep. Multiple open throats and exposed bedrock were observed. Sinkhole appeared to have been partially excavated for agricultural activities.

**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

November 30, 2020 ■ Terracon Project No. 57195114



Photo 11



Photo 12

Feature F-57: Broad cover subsidence sinkhole subordinate cover collapse sinkholes (F-56 and F-80).

**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

November 30, 2020 ■ Terracon Project No. 57195114



Photo 13



Photo 14

Feature F-58: Broad cover subsidence sinkhole. Area within the feature had been apparently filled-in for agricultural activities. May indicate filled in subordinate collapse or throats within feature.

**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

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Photo 15



Photo 16

Feature F-59: Broad cover subsidence sinkhole, gently sloping, with no open throat.

**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

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Photo 17



Photo 18

Feature F-60: Cover collapse features with multiple open throats in small area.

**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

November 30, 2020 ■ Terracon Project No. 57195114



Photo 19



Photo 20

Feature F-61: Cover collapse features with open throat. Suspect depression from historic topographic maps may indicate that the area was previously filled-in for agricultural activities.

**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

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Photo 21



Photo 22

Feature F-62: Broad cover subsidence sinkhole, gently sloping, with no open throat.

**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

November 30, 2020 ■ Terracon Project No. 57195114



Photo 23



Photo 24

Feature F-63: Broad cover subsidence sinkhole with open throat. Area previously filled with soil and rock has reopened.



**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

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Photo 25



Photo 26

Feature F-64: Broad cover subsidence sinkhole. Area within the feature had been apparently filled-in for agricultural activities. May indicate filled in subordinate collapse or throats within feature.

**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

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Photo 27



Photo 28

Feature F-65: Cover collapse features with open throat.

**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

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Photo 29



Photo 30

Feature F-66: Surface drainage channel / blind swale. No soil piping observed.

**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

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Photo 31



Photo 32

Feature F-67: Suspected cover collapse feature. However, area was apparently filled-in for agricultural activities.

**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

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Photo 33



Photo 34

Feature F-68: Surface drainage channel / blind swale. No soil piping observed.

**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

November 30, 2020 ■ Terracon Project No. 57195114



Photo 35



Photo 36

Feature F-69: Rill erosion.

**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

November 30, 2020 ■ Terracon Project No. 57195114



Photo 37



Photo 38

Feature F-70: Cover collapse sinkhole. Appears to have been previously filled with rock and soil.

**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

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Photo 39



Photo 40

Feature F-71: Surface drainage channel with incised erosion, potential blind swale



**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

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Photo 41



Photo 42

Feature F-72: Cover collapse sinkhole with open throat.

**Photography Log – Preliminary Karst Assessment**

Hoffman Solar Project – Summer Parcel ■ Franklin, Simpson County, Kentucky

November 30, 2020 ■ Terracon Project No. 57195114



Photo 43



Photo 44

Feature F-73: Cover collapse sinkhole with open throat. Appears to have been previously filled with rock and soil; has since re-opened. Surface runoff drains to feature.