

Well Driller Viewer (Mobile) User Guide

Department of Natural Resources
Drinking Water & Groundwater Program

June 4, 2025

1 Table of Contents

1	Table of Contents	2
1	Introduction	3
1.1	Contact Info	3
2	Navigating the Mobile Interface	4
3	Tools	5
3.1	Search.....	5
3.2	Layers	5
3.3	Measure	5
3.4	Zoom to Coordinates	5
4	Search	5
5	Layers.....	6
5.1	Layer Options.....	6
6	Measure.....	7
6.1	Line Measurement	8
6.2	Polygon Measurement	9
6.3	Measurement Settings	10
7	Zoom to Coordinates	10
8	Results	12
8.1	Identifying a feature on the map	12
9	Obtaining Coordinates	14

1 Introduction

The [Well Driller Viewer \(Mobile\)](#) application is a public-facing GIS viewer that is viewable on a mobile device. It provides a visual map view of the specific setback, construction and approval information to assist well drillers in Wisconsin in planning projects and meeting requirements of [NR 812, Wis. Adm. Code](#). The app displays the location of nearby landfills, remediation sites, dual aquifer and special casing areas for the state of Wisconsin.

1.1 Contact Info

Well Information Questions: Contact [DNR Private Water Supply Specialist](#)

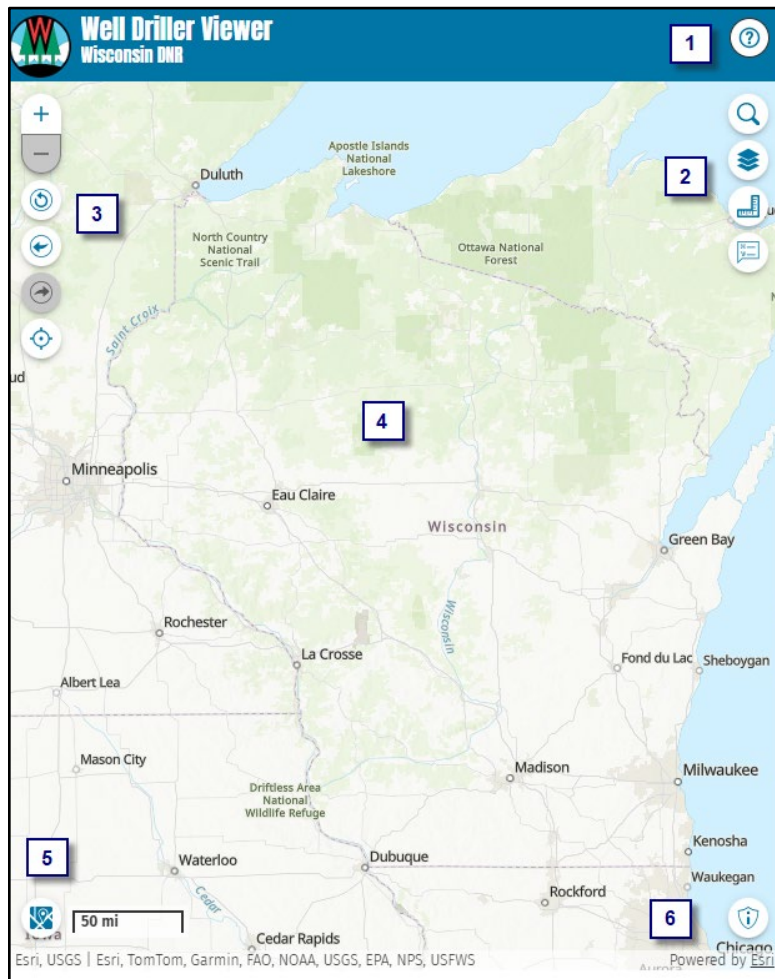
GIS Viewer Technical Issues: Email DNRDGGISAPPS@wisconsin.gov with the subject heading "Well Driller Viewer".

Include the following in the email:

- Contact information
- A description of the issue you are experiencing
- Screenshots, if possible

2 Navigating the Mobile Interface

An overview of the mobile application interface.



ID	Name	Description
1	User Tips	Displays User Tips on how to use the common tasks used in the field
2	Tools	Search for an address Map Layer (Toggle On/Off) Measure Zoom to coordinates
3	Navigation	Zoom In/Out Original Extent Previous/Next Extent Locate my current location on the map
4	Map Area	Displays data from the layer list.
5	Basemap Picker	Switches between a detailed basemap and an air photo
6	Disclaimer	Displays disclaimer

3 Tools

There are four tools: Search, Map Layers, Measure and Search by Coordinates.

3.1 Search

The search tool can ONLY be used to search for an address.

3.2 Layers

Displays the layers available in the GIS viewer. Some layers are scale dependent and are only viewable when zoomed in on the map.

3.3 Measure

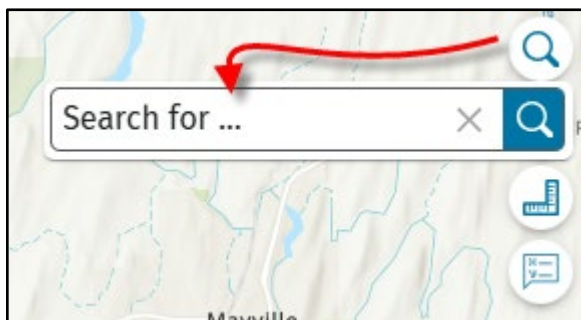
Allows measuring of length and area on the map.

3.4 Zoom to Coordinates

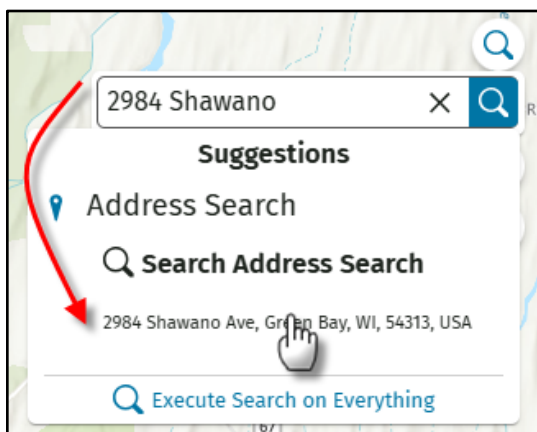
Use this tool to zoom to a location in the map entering specific coordinates.

4 Search

The search tool can ONLY be used to search for an address.



Start to enter address to zoom to, once your address is displayed in the drop-down box, select your address rather than selecting the blue magnifying icon. The map will zoom to your selected address.



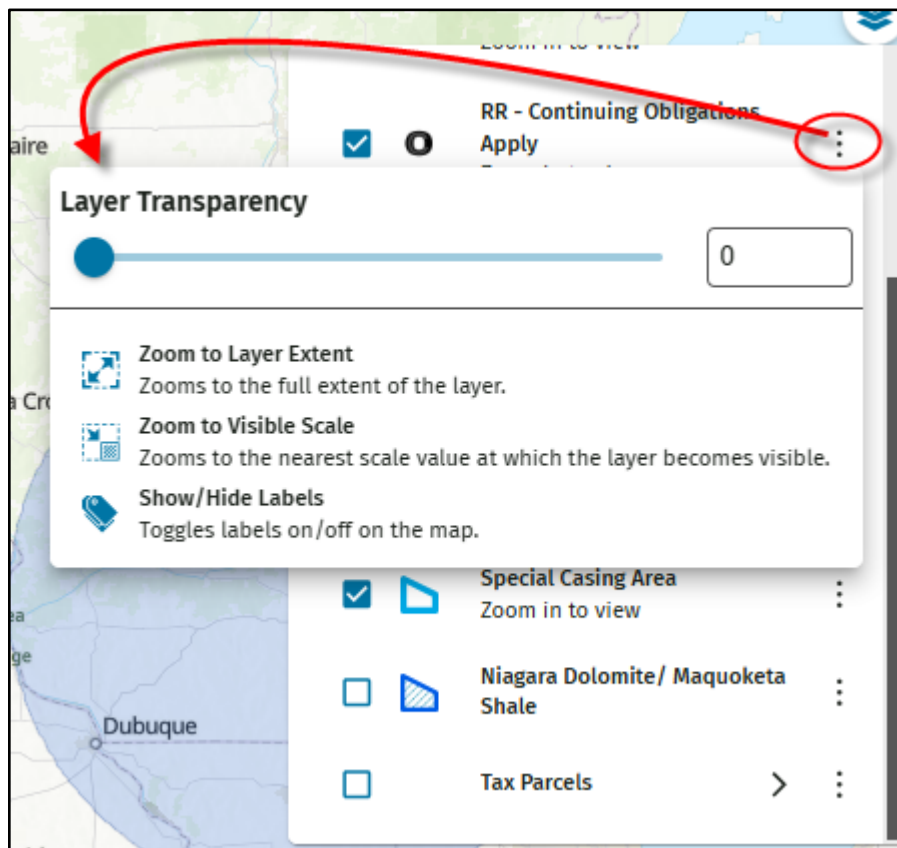
5 Layers

Below is a list of the data layers that are available in the Well Driller Viewer (Mobile).

Layer Name
RR Program Data
Well Inventory
1,200 Ft landfill Buffer
Special Casing Areas
Niagara Dolomite/Maquoketa Shale
Town, Range, Section
Tax Parcels

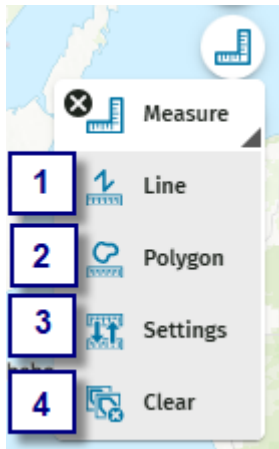
5.1 Layer Options

Each layer has the following options:



6 Measure

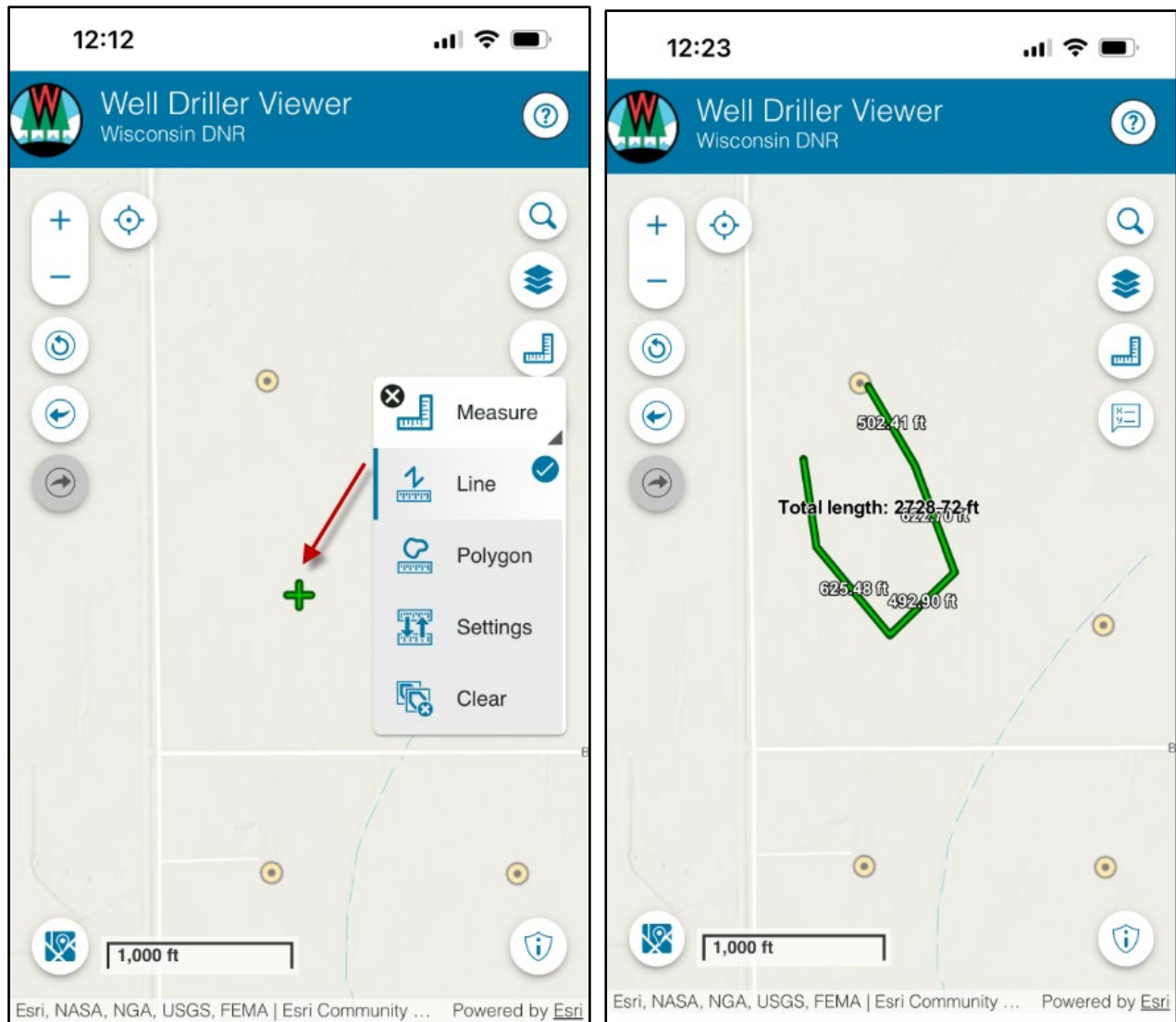
Is used to measure (Length and Area) in the map.



ID	Name	Description
1	Line	Used to measure length.
2	Polygon	Used to measure an area.
3	Settings	Allows the modification of measurement units to display.
4	Clear	Clears all measurement drawn on the map.

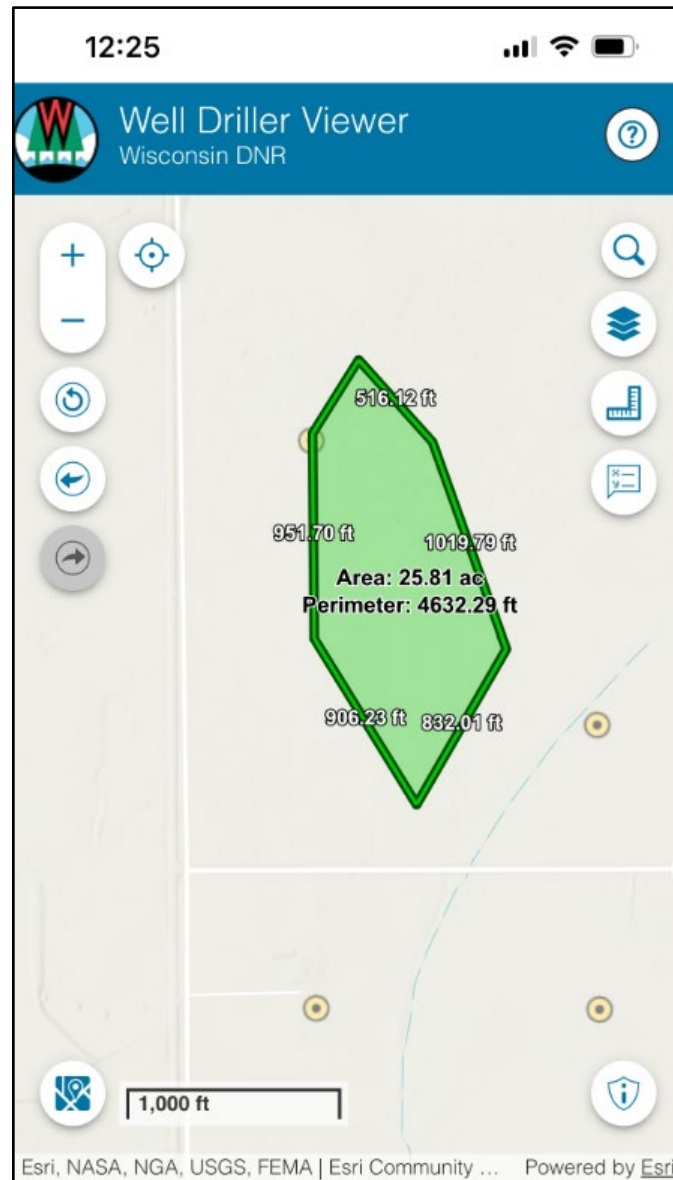
6.1 Line Measurement

When selecting the line measurement tool, a green cross hair will appear on the map. To start measuring use your finger to touch the screen from the start and continue to click to the next point. Once you have clicked to the end of what you are trying to measure double tap and the measurements of the Total Length and each segment will appear.



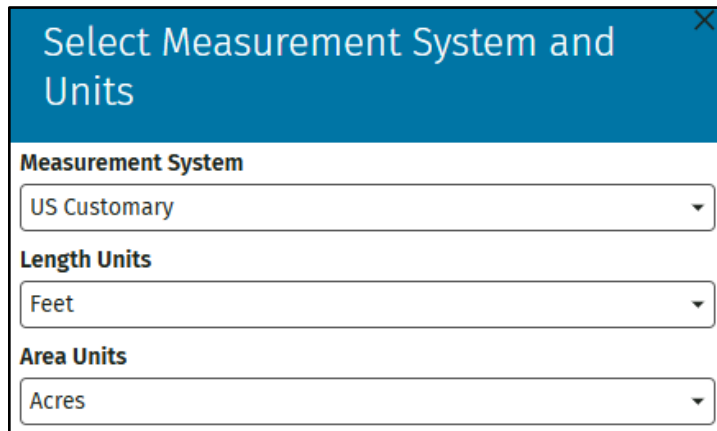
6.2 Polygon Measurement

When selecting the polygon measurement tool, a green cross hair will appear on the map. To start measuring an area use your finger to touch the screen from the start and continue to click to the next point. Once you have encompassed the area needing to measure double tap and the measurements of the Total Area in acres/feet and each segment will appear in feet.



6.3 Measurement Settings

Allows the modification of the default measurement units (Length = ft, Area = Acres) to other measurement of units for Length and Area.

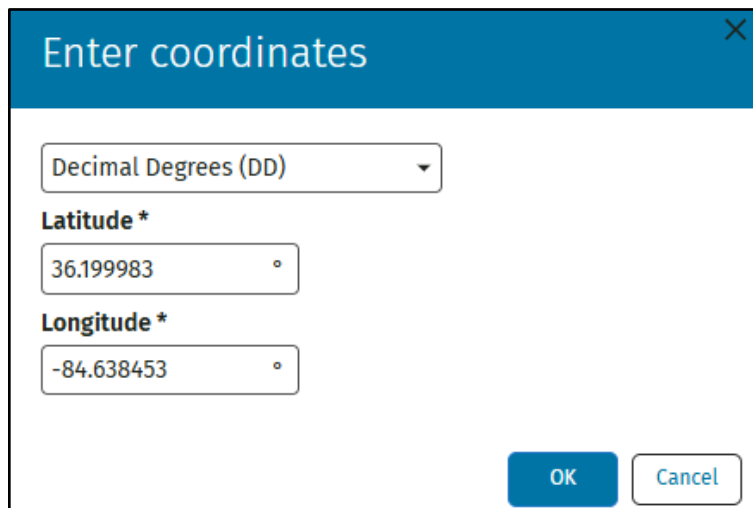


The dialog box has a blue header with the title "Select Measurement System and Units" and a close button (X) in the top right corner. Below the header, there are three sections, each with a label and a dropdown menu:

- Measurement System**: The dropdown menu is set to "US Customary".
- Length Units**: The dropdown menu is set to "Feet".
- Area Units**: The dropdown menu is set to "Acres".

7 Zoom to Coordinates

Use this tool to zoom to a location in the map entering specific coordinates. The default coordinate type is Decimal Degrees. For the longitude value, you **MUST** include the negative sign in front of the number. After clicking OK, a blue dot will appear at the coordinate location. You will need to use your fingers to zoom into this location.

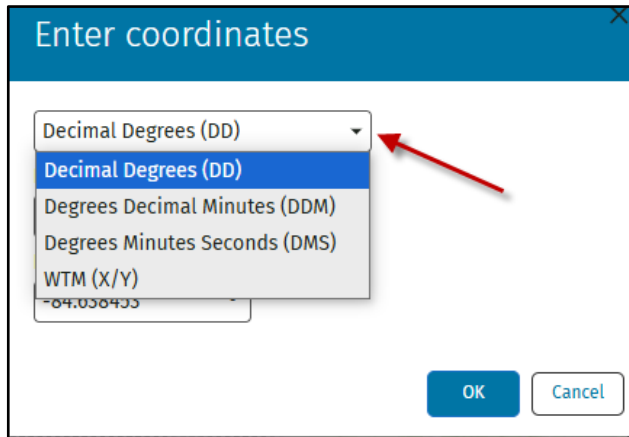


The dialog box has a blue header with the title "Enter coordinates" and a close button (X) in the top right corner. Below the header, there is a dropdown menu for the coordinate type, set to "Decimal Degrees (DD)". Below this, there are two input fields:

- Latitude ***: The input field contains the value "36.199983" and has a degree symbol (°) to its right.
- Longitude ***: The input field contains the value "-84.638453" and has a degree symbol (°) to its right.

At the bottom right of the dialog box, there are two buttons: "OK" and "Cancel".

If you have coordinates in a different format, select the drop-down arrow to select the coordinate format your coordinates are in and then type in your coordinate values. After clicking OK, a blue dot will appear at the coordinate location. You will need to use your fingers to zoom into this location.



Enter coordinates

Decimal Degrees (DD)

Decimal Degrees (DD)

Degrees Decimal Minutes (DDM)

Degrees Minutes Seconds (DMS)

WTM (X/Y)

84.038433

OK Cancel

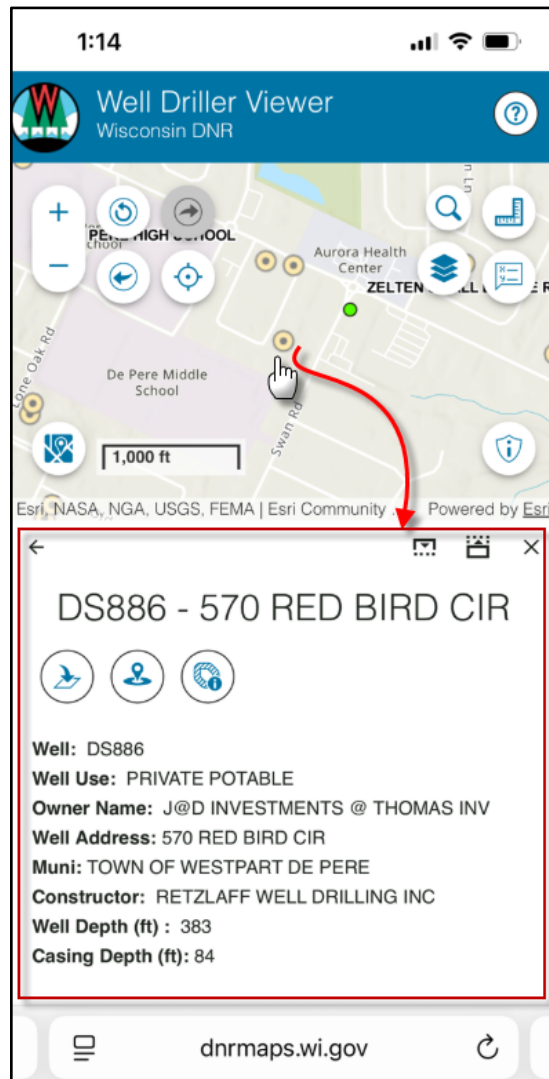
8 Results

The results panel appears at the bottom of the mobile device after a search or selected feature has been completed.

8.1 Identifying a feature on the map

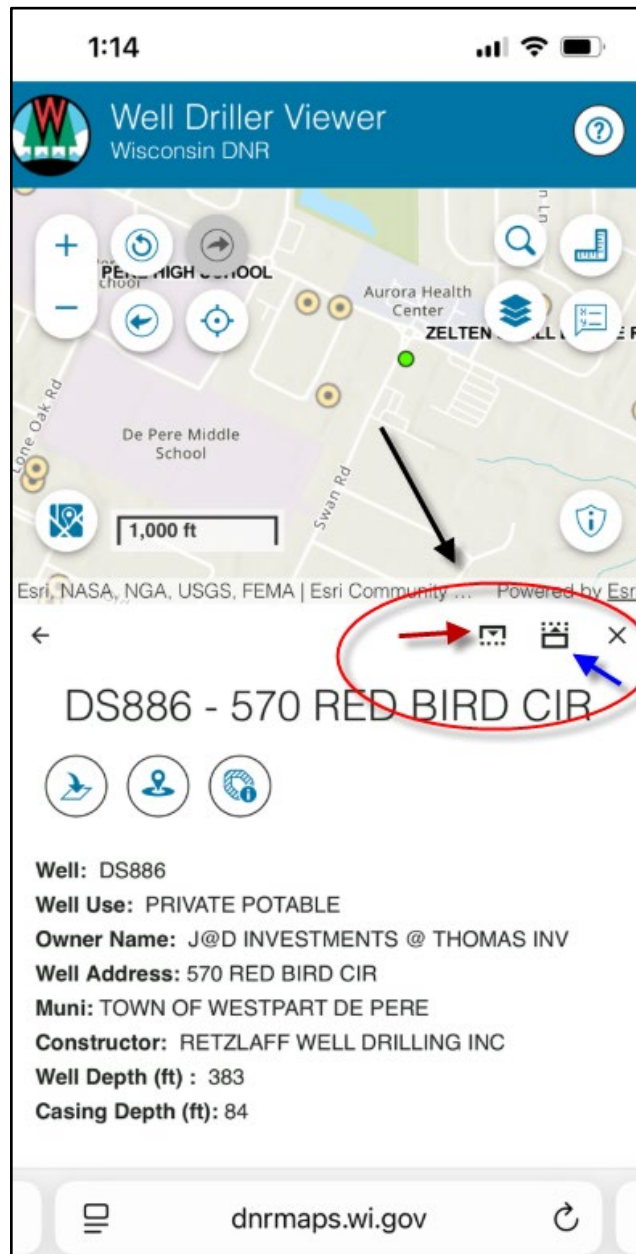
Action: Click on a single feature using finger in the map.

Result: The feature details pop-up is displayed.



To expand the Feature Details to see all information, click on the up arrow (Blue).

To minimize the Feature Details, click on the down arrow (Red)



9 Obtaining Coordinates

To get the coordinates for a specific location on the map, hold your finger on that location in the map. A dialog box will be displayed with the coordinate pair.

