Arizona Department of Water Resources

Well Registry Quick Reference User's Guide for Well Registry Web Application

2010

INTRODUCTION

This User's Guide is a reference on how to get started with the Well Registry Web Application. There are links provided throughout the document to provide further documentation of the application. For further information on the registry of wells in Arizona please visit:
http://www.azwater.gov/azdwr/WaterManagement/Wells/default.htm

In order to use this application open your internet browser to https://gisweb.azwater.gov/waterresourcedata/WellRegistry.aspx. From this webpage you will enter the application by one of two methods: **Search Wizard** or **Map**. Both methods will provide registered well information. All of the pages within this application are interlinked.

This user guide will explain the three main pages of the application:

1. Search Wizard
2. Map
3. Well Details

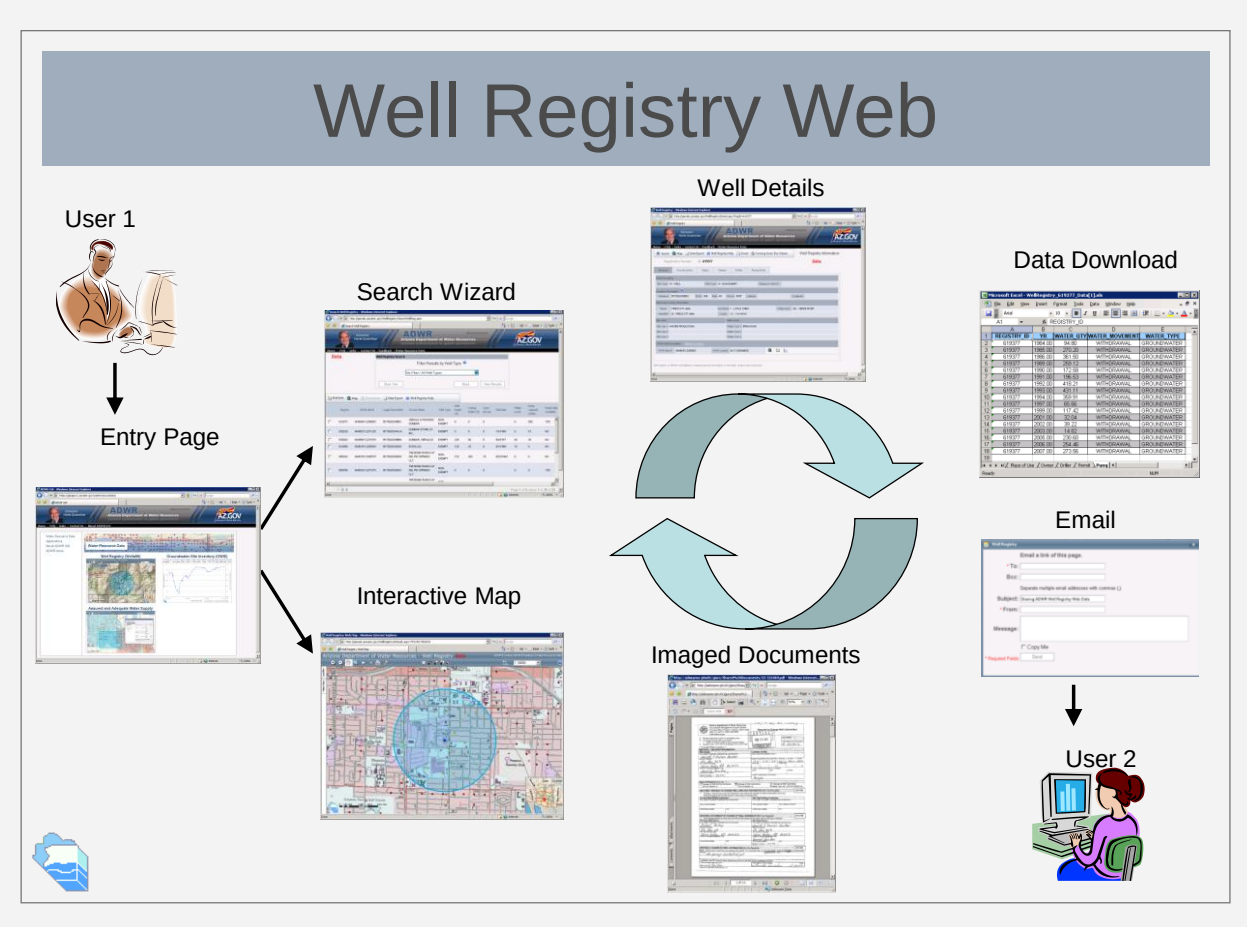

Figure 1. Diagram displaying the different parts of the Well Registry Web Application

SEARCH WIZARD

The search wizard walks the user through a short series of questions to help narrow the search for well registry records of interest. Choose to search by individual well identification numbers, by current owner name, or by spatial filters such as cadastral, basin, or subbasin.

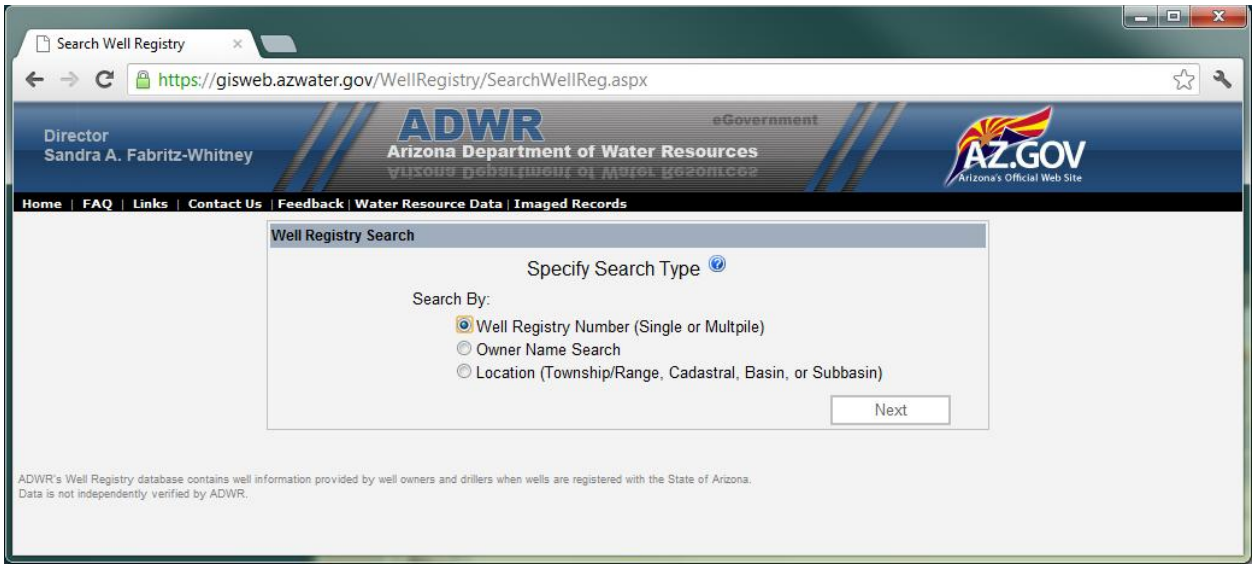

Figure 2. Search Wizard

At the end of the questions, click the View Results button. Then a results table will show up below the last question. You will have the option to further narrow the search by the following well types: exempt, non-exempt, monitor, or other. This filter is provided for you in a dropdown box in the upper right hand portion of the search results table. There is also the option to sort your results in the table, to help get to the data of interest quicker. For example, if you are looking for wells with certain depths, you could sort the Well Depth or Casing Depth fields.

When the results table is displayed, a toolbar is also displayed just above the results table. This toolbar provides you different options to view more information. The toolbar buttons are: Well Info, Map, Data Export, and Well Registry Help. To use the Well Info button, you must select a record in the results table (by clicking anywhere on that record's row), and then click the Well Info button. This action opens a new well information page that displays all the information in the well registry database for that particular well. The Map button opens a new window with the Well Registry interactive map, which is zoomed into the area of the well you selected before clicking the Map button. The Data Export button will export your current search results to and XML file, which is formatted in a way that allows you to open it in Microsoft Excel. The well registry X and Y coordinates (in UTM NAD 83, Zone 12) are included in this data export, so that you can incorporate these data in your own mapping software. The Well Registry Help button opens a PDF document that provides information on all the

different fields stored in the Well Registry database. The results table shows a summary of information for each well. The remaining fields are provided on the Well Details page.

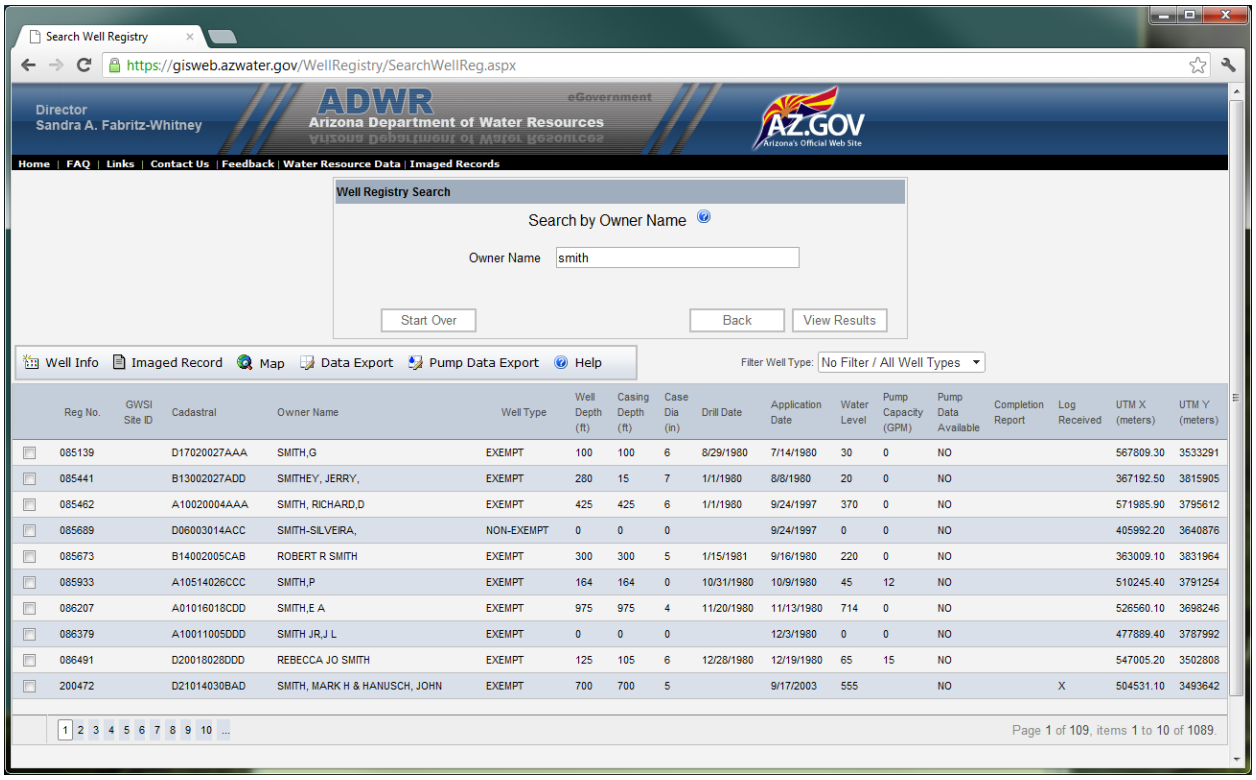

Figure 3. Results Table

For more help on the data provided in the Results:
https://gisweb.azwater.gov/wellregistry/WellRegistryHandbook.pdf

For more help on the Search Wizard:
https://gisweb.azwater.gov/WellRegistry/SearchFAQ.aspx

MAP

The map has tools to navigate or select wells within a desired area. The navigation tools are highlighted below in yellow. Use them to move around the map and view wells in an area. The quick zoom (see Figure 5) will allow you to zoom to a known area of interested (address, GPS coordinates, or cadastral).

The selection tools are highlighted below in red. Use them to either buffer (see Figure 6) around a point or draw a selection area on the map. Once the selection is made a results grid will appear providing all of the wells located within that selected area. Above the results grid are buttons to allow you to view a well's details or export the grid to MS Excel. For more information on the results grid, see Search Wizard section of this user guide (page 3).

For more help on how to use the map:
https://gisweb.azwater.gov/WellRegistry/MapHelp.aspx

For more help on the data provided in the Results:
https://gisweb.azwater.gov/wellregistry/WellRegistryHandbook.pdf

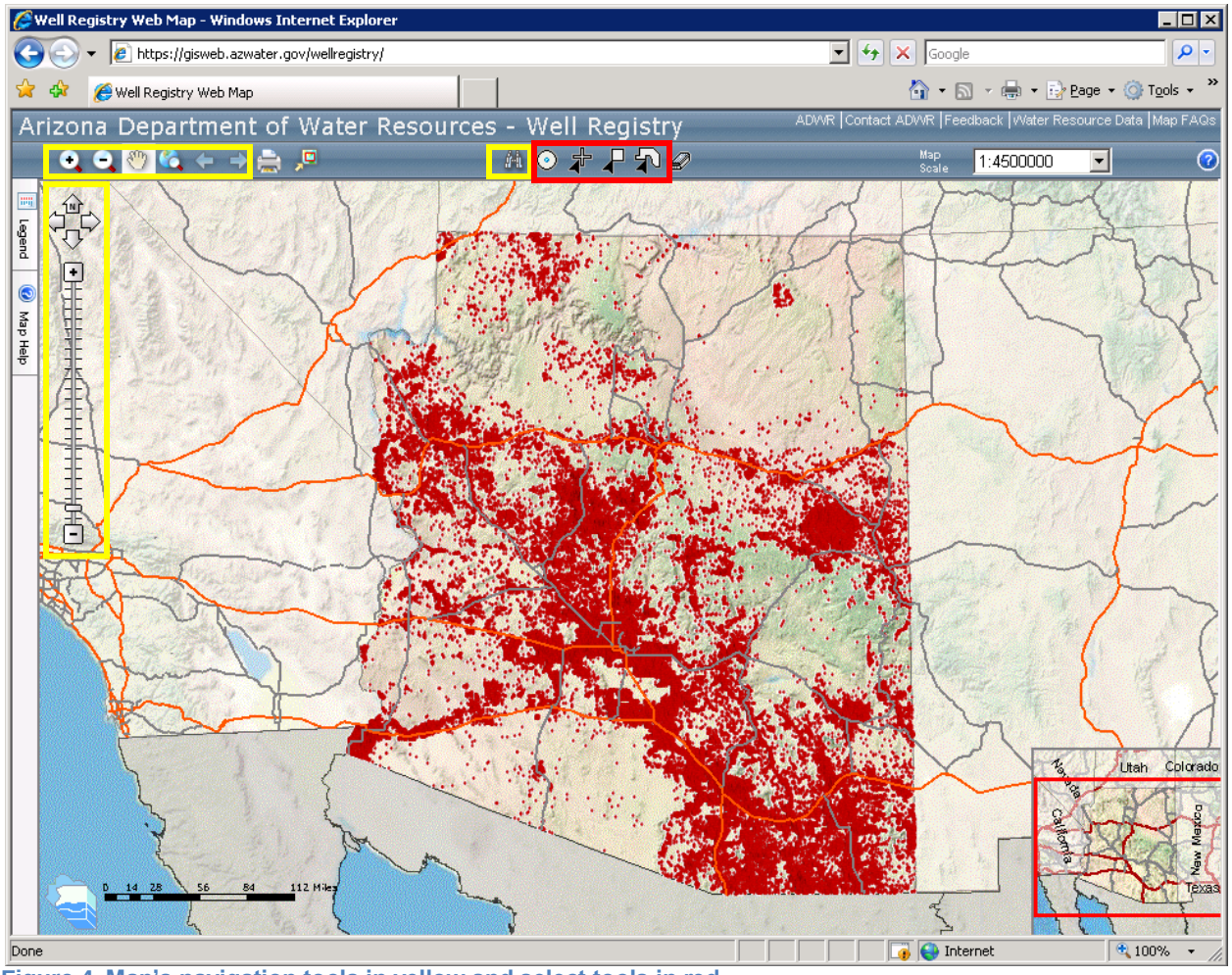

Figure 4. Map's navigation tools in yellow and select tools in red

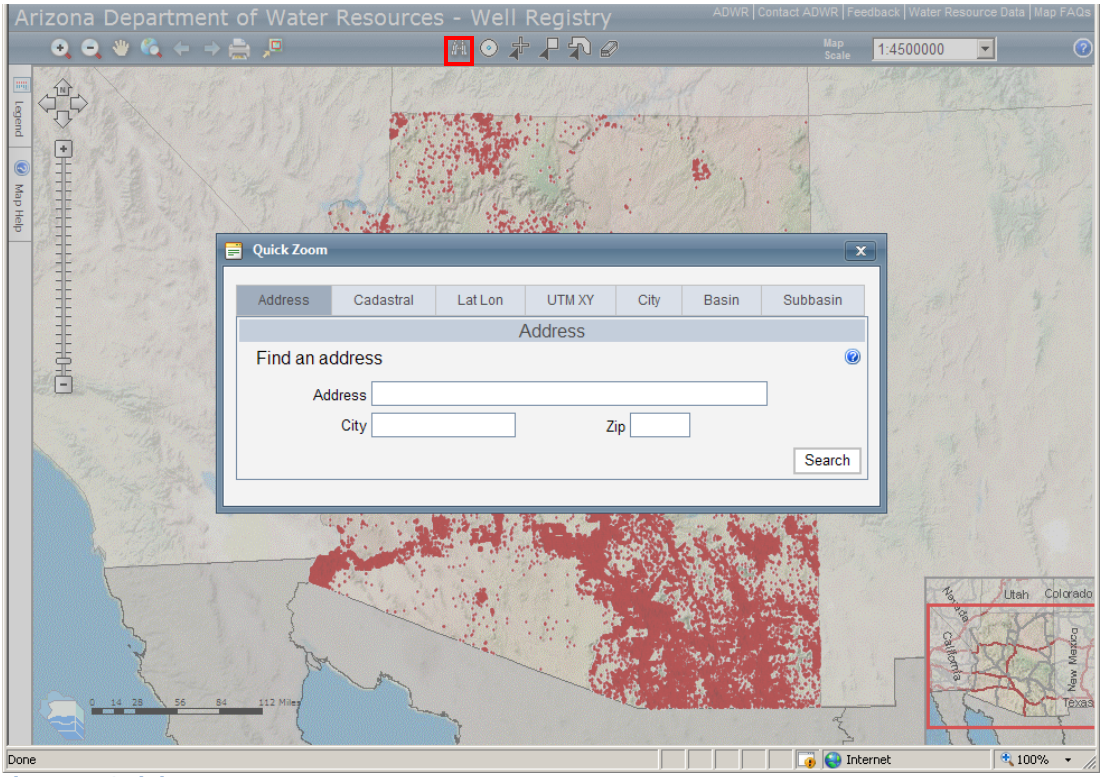

Figure 5. Quick Zoom

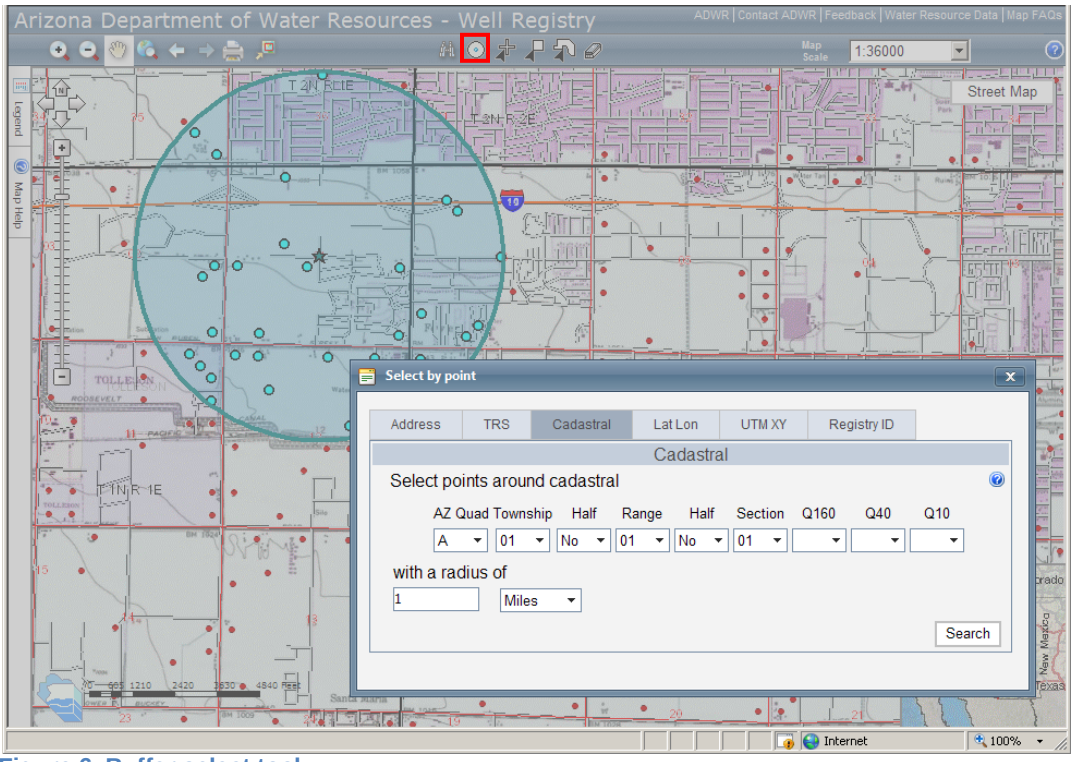

Figure 6. Buffer select tool

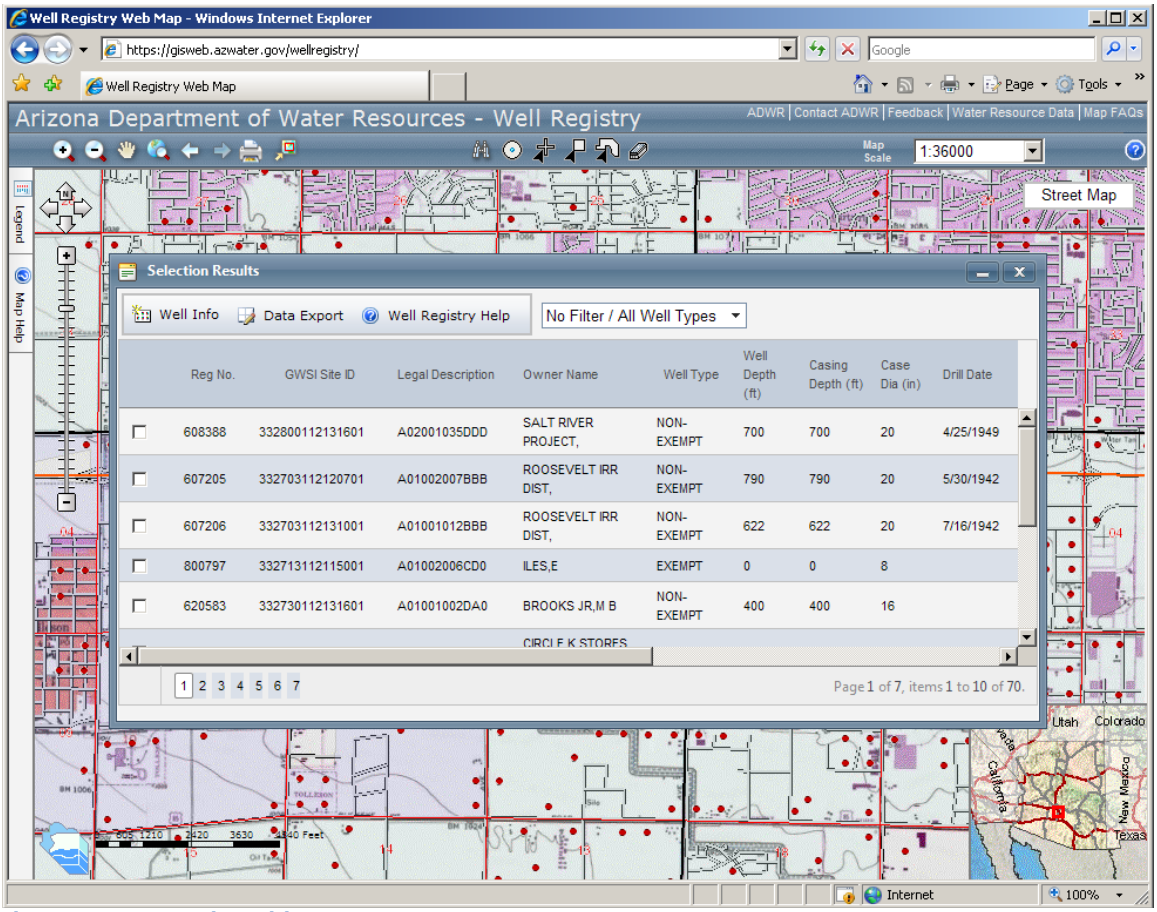

Figure 7. Map results grid

WELL DETAILS

After a search from either the Search Wizard or the Map has been completed, a well's information can be viewed. First select the well in the grid and then click the **Well Info** button above the grid. A new web page will open displaying all of the well's information. This information is throughout several tabs: General, Construction, Status, Owner, Driller, and Pump Data. All of the data provided can be exported to MS Excel with the **Data Export** button located in the toolbar on the top of the page. The URL of this page is unique to each well and can be shared through Email by using the Email button or copying and placing the URL into any document.

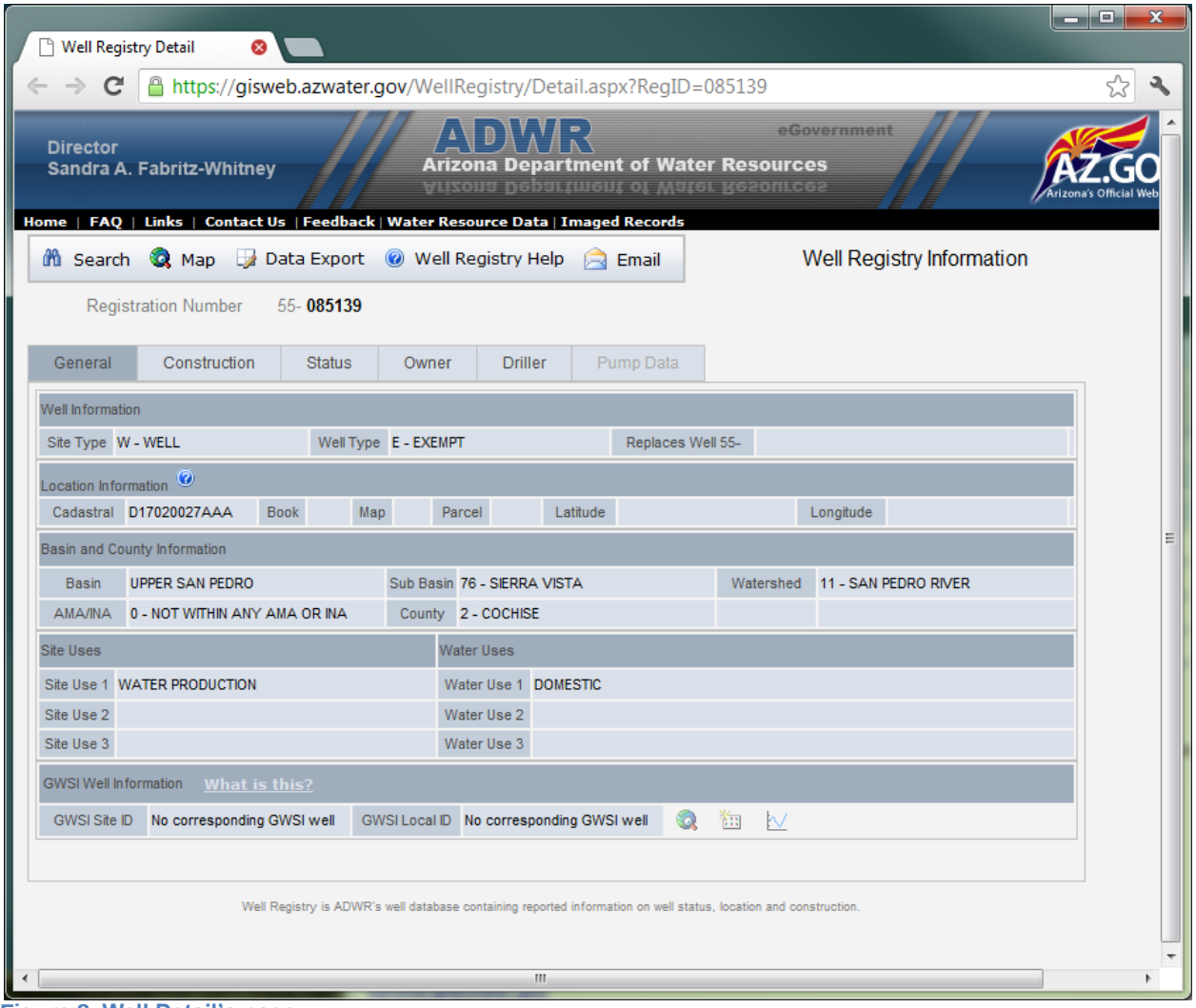

Figure 8. Well Detail's page