

WellSTAR Navigation

Table of Contents

Finding help within WellSTAR	page	2
Finding data in WellSTAR	page	3
Finding a well in WellSTAR	page	3
Using advanced filtering	page	4
Saving search results	page	6
Viewing data detail pages	page	6
Saving detail pages	page	8
Viewing wells and equipment on map	page	8
Finding recent historical data	page	10
Finding documents that pre-date WellSTAR	page	11
Clearing file request errors	page	11
Finding information on geothermal wells	page	11

1. Where can I find help within WellSTAR?

WellSTAR screens have a help button in the top right. Clicking it will navigate to a help page related to the page from which you navigated.

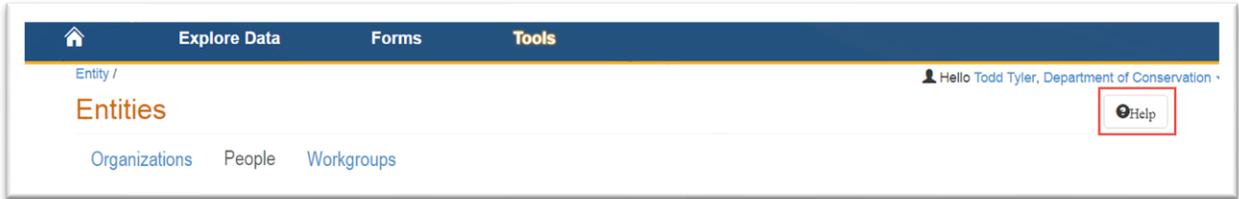


Figure 1: Help button is located in the upper right of each page. This example shows the Entities page.

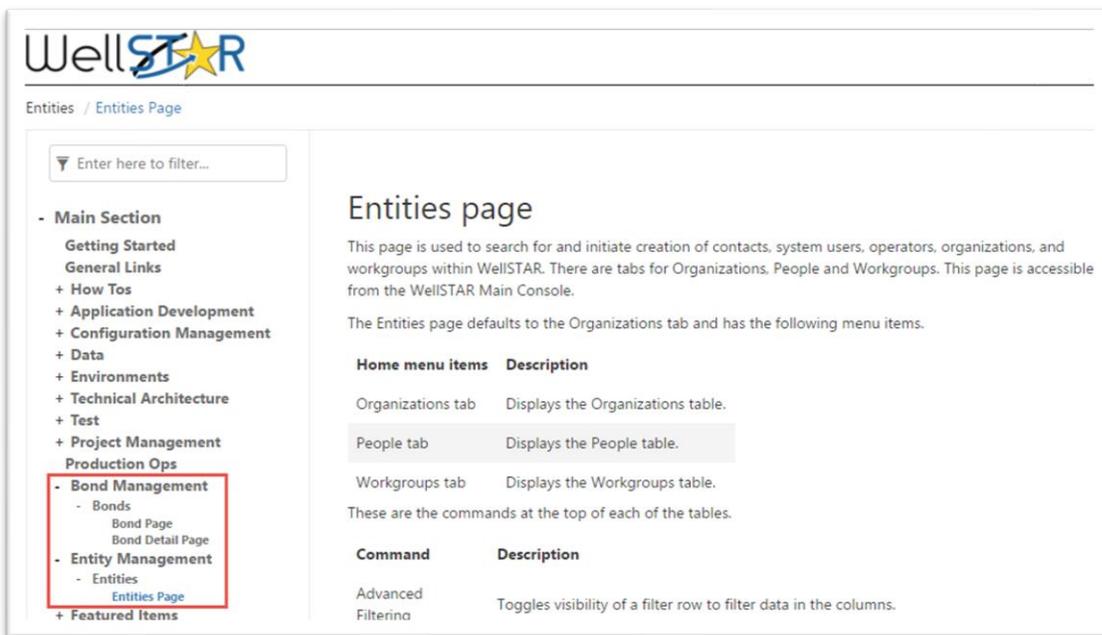


Figure 2: The help page that loads from the Entities page has information specific to the Entities page, with additional navigation options on the left.

Many WellSTAR pages also have tool tips adjacent to their related fields. Hover your cursor over the tool tip for it to be displayed.

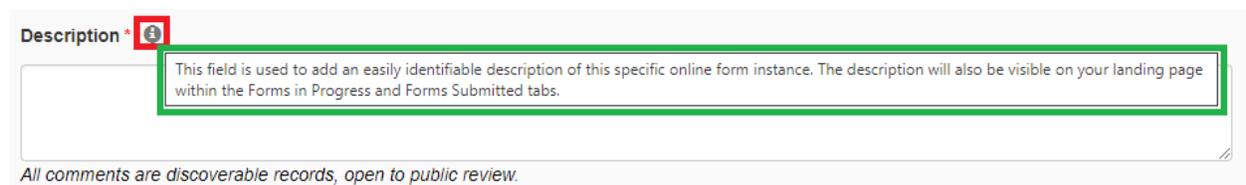


Figure 3: Hovering your cursor over the "i" symbol (red box) will cause a tool tip to appear (outlined in green). This example shows information related to a description box on an NOI form.

2. How do I find data in WellSTAR?

From the home screen, click “Explore Data”. This provides a list of each of the data types available in WellSTAR and selecting one will display a list of data of that type. Note that some pages require that the user select a filter before the list will populate.

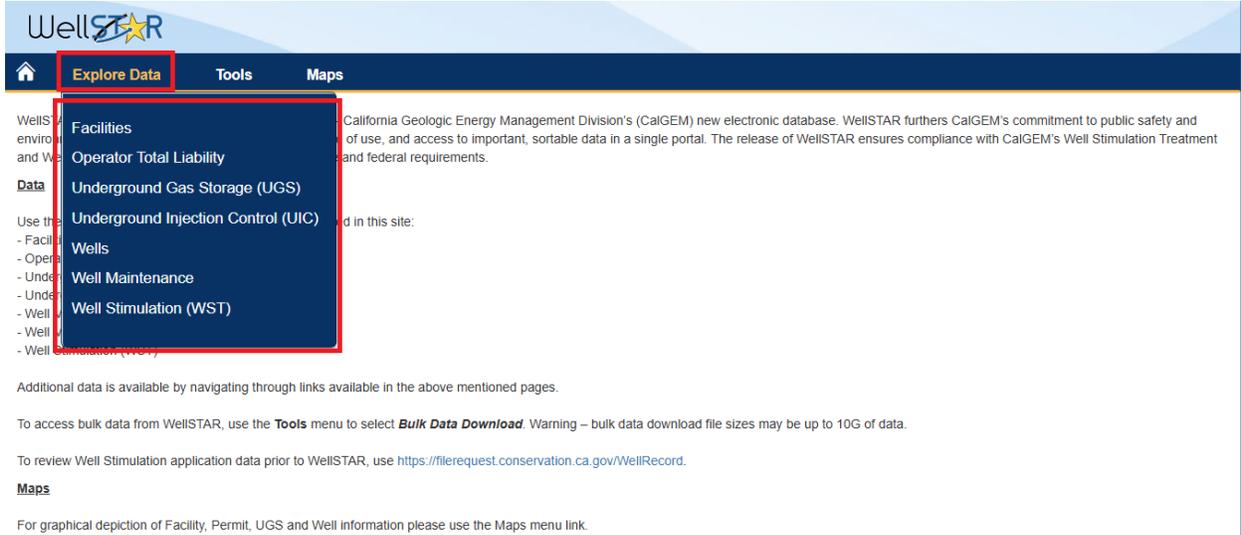


Figure 4: Explore Data and the corresponding list of data types are both outlined in red.

3. How do I find a well in WellSTAR?

Click on Explore Data > Wells > select a filter from the dropdown menu on the top left > refine the search using advanced filtering.

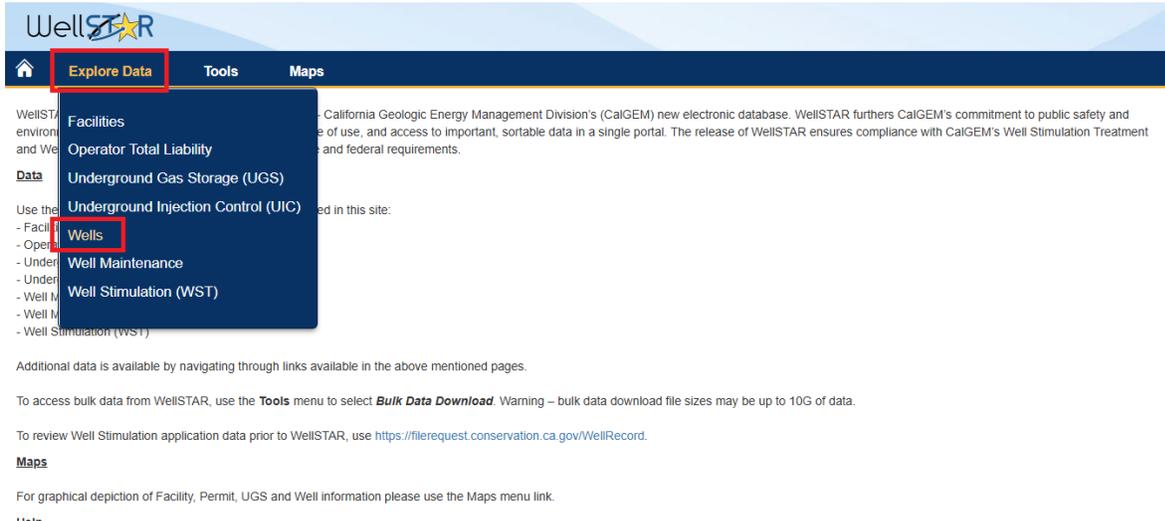


Figure 5: Click on "Explore Data", then select "Wells" from the dropdown menu.

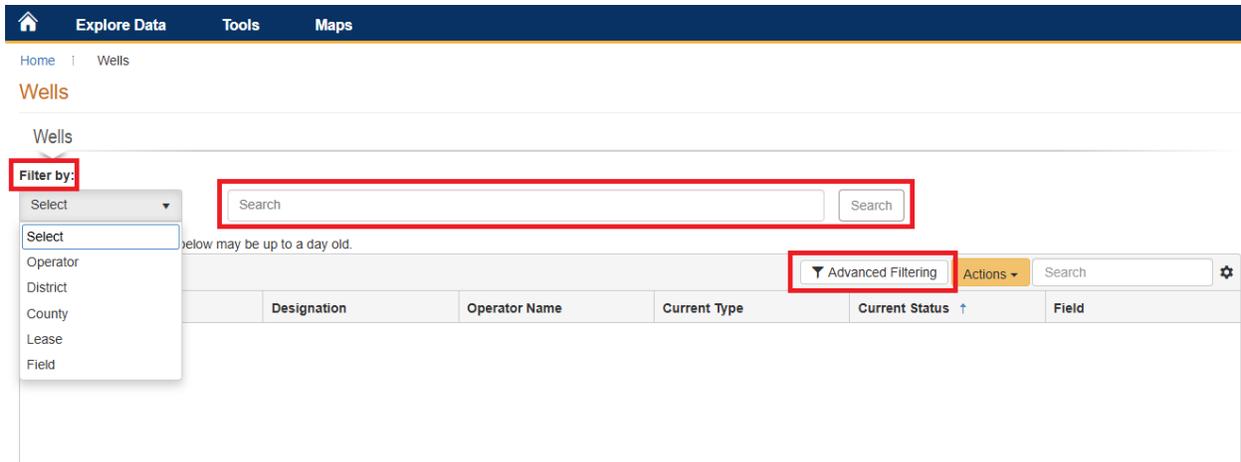


Figure 6: The list of wells does not populate until a filter is chosen. Filter by operator, district, county, lease, or field and then type a search term into the main search bar. For example, filter by "district" and then type "southern" into the main search bar to display all wells in the Southern District. Refine your search using "Advanced Filtering".

4. How do I use Advanced Filtering/apply multiple filters to data in WellSTAR?

From the homepage, click on Explore Data > Wells > Filter by > select first filter to apply from dropdown menu > type search criteria into search bar > Enter. This populates the page with wells. Click Advanced Filtering to add filters for API, Designation, Operator Name, Current Type, Current Status, and Field. Additional filter types can be added to the grid by clicking on the gear wheel in the top right and clicking the appropriate check boxes. To further refine your search, click on the filter icon to the right of an advanced filtering box and select how your typed phrase will be applied (contains, does not contain, starts with, ends with, is equal to, is not equal to, is null, is empty, is not empty). Advanced filtering is available for other data types as well (e.g. facilities, complaints, etc.).

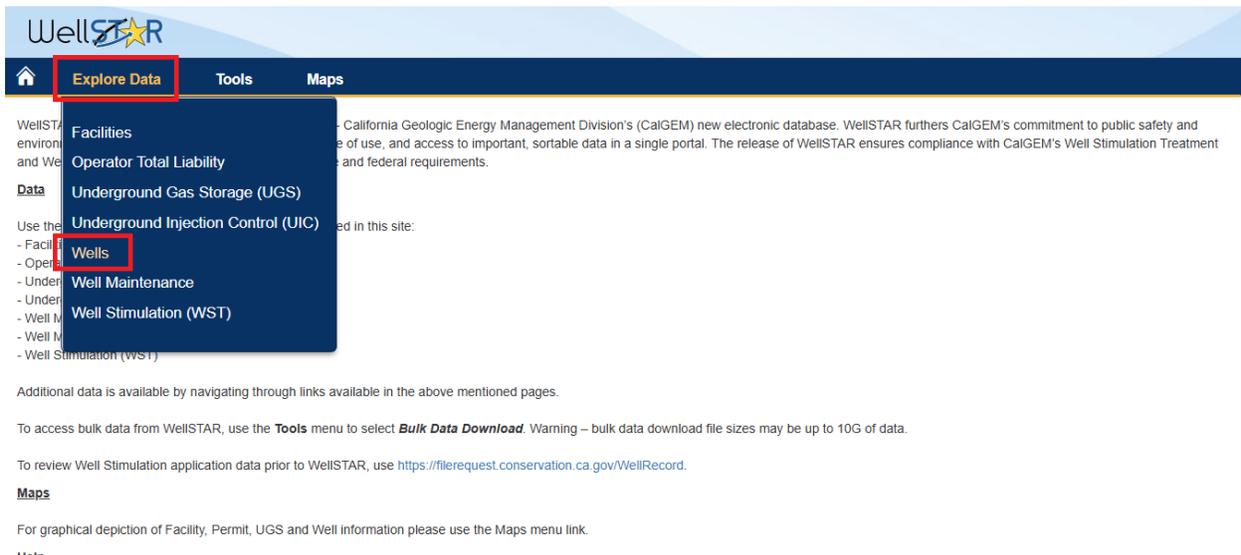


Figure 7: Start by clicking on Explore Data and then Wells to view a list of wells in WellSTAR.

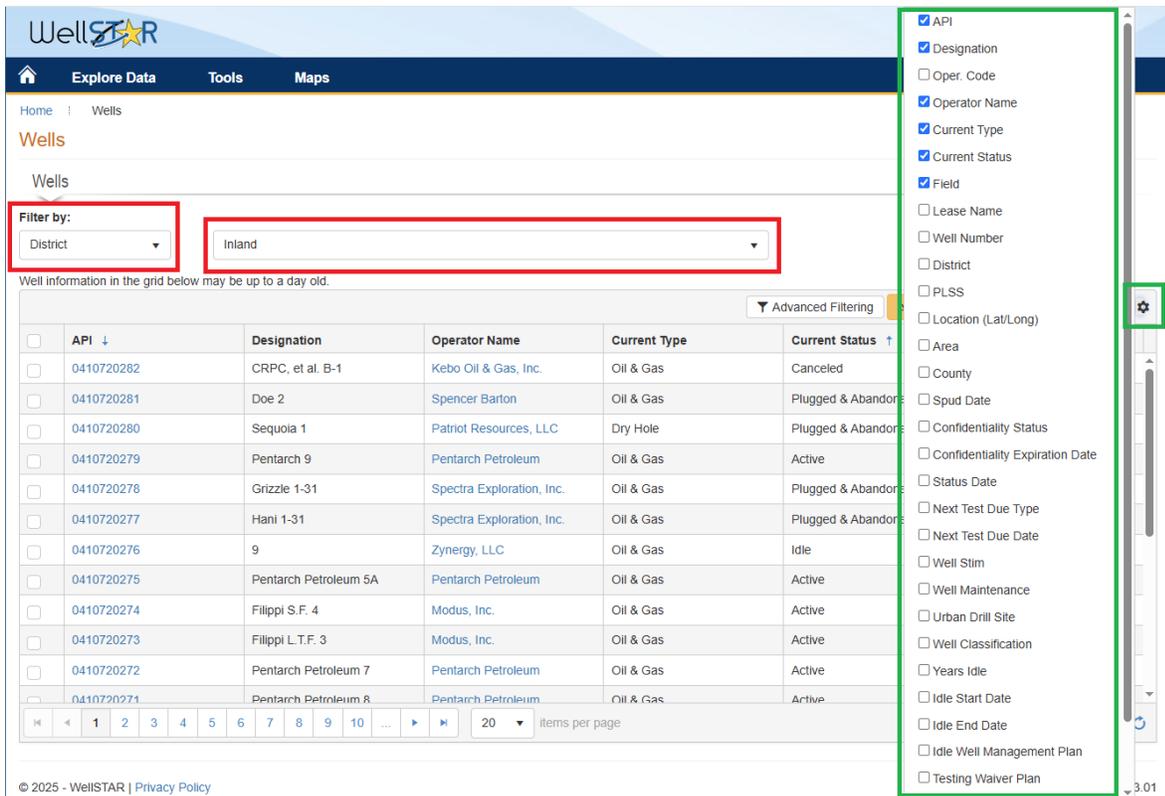


Figure 8: A filter must be chosen from the top left box and a search term entered in the main search bar (red boxes) before the list will populate. This example shows a District filter applied, with a search for wells in the Inland district entered into the search bar. To add additional categories to the grid, click the gear wheel in the top right and select the appropriate check boxes in the list that appears (green boxes).

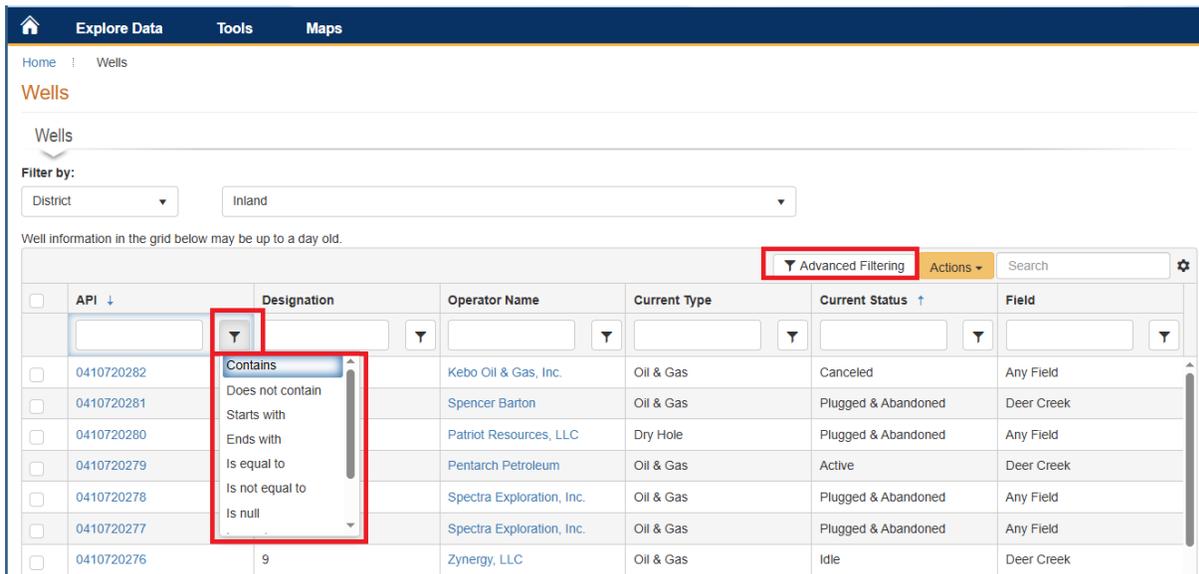
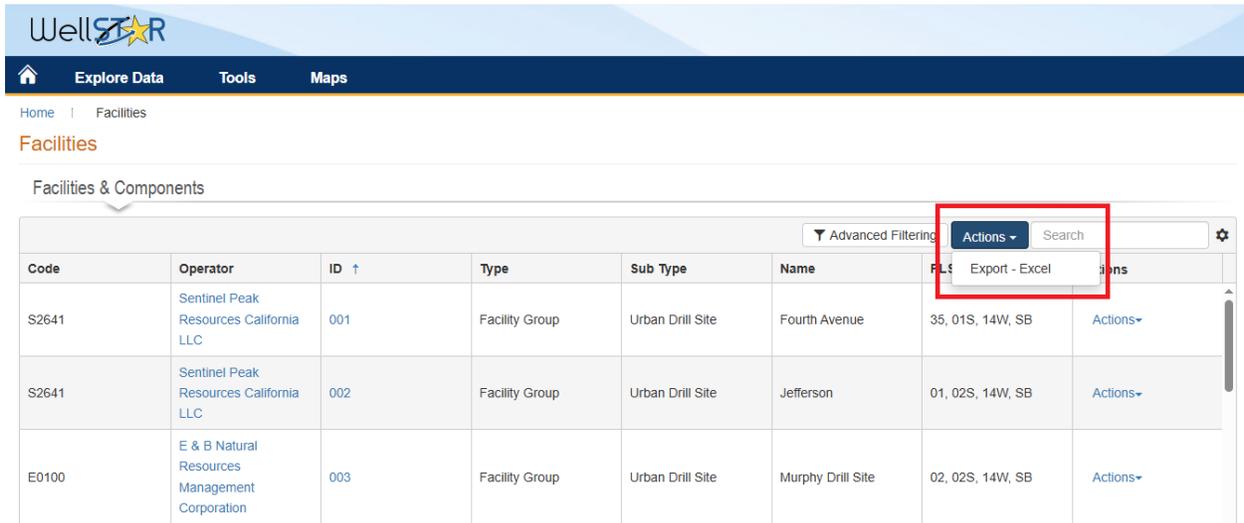


Figure 9: To further refine your search, click on Advanced Filtering in the top right, click the filter icon to the right of an Advanced Filtering field, and select the appropriate option from the dropdown menu. Search terms typed into the field to the left will apply the filter you have chosen to the column you have chosen. Note that this is customizable for each column – you could search for Operator Names that contain “Chevron” and for Current Types that do not contain “Dry Hole”, resulting in a list of all Chevron wells in the Inland District except for Dry Holes.

5. How can I save search results on my local device?

While viewing a search results grid, click on Actions > Export (as Excel or PDF file).



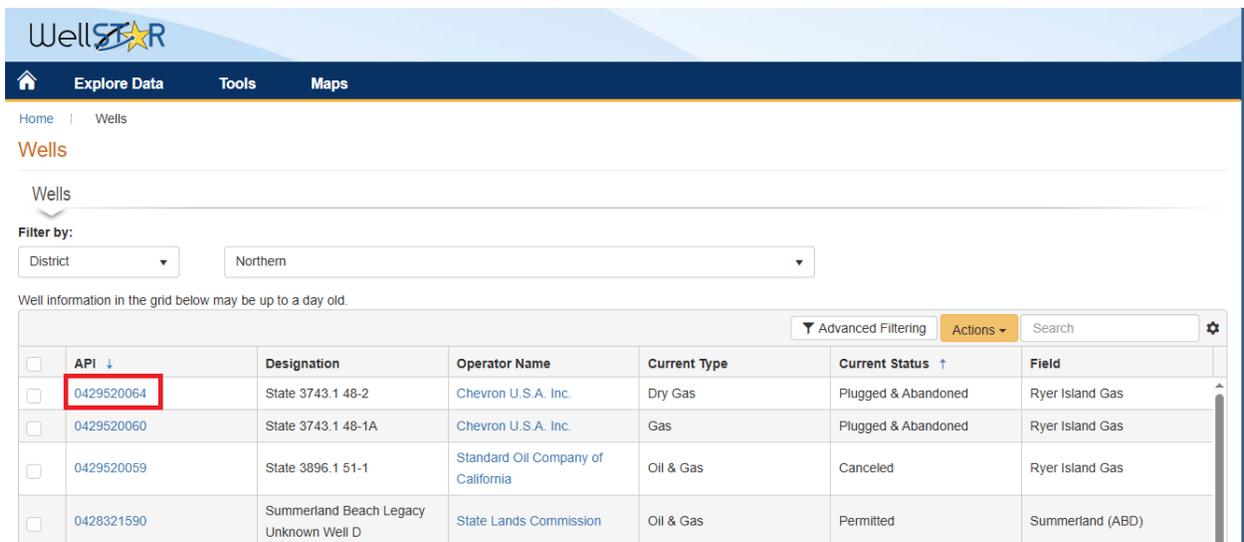
The screenshot shows the WellSTAR interface with a search results grid for Facilities. The grid has columns for Code, Operator, ID, Type, Sub Type, Name, and Actions. A red box highlights the 'Actions' button and its dropdown menu, which includes 'Export - Excel'.

Code	Operator	ID ↑	Type	Sub Type	Name	Actions	
S2641	Sentinel Peak Resources California LLC	001	Facility Group	Urban Drill Site	Fourth Avenue	35, 01S, 14W, SB	Actions▼
S2641	Sentinel Peak Resources California LLC	002	Facility Group	Urban Drill Site	Jefferson	01, 02S, 14W, SB	Actions▼
E0100	E & B Natural Resources Management Corporation	003	Facility Group	Urban Drill Site	Murphy Drill Site	02, 02S, 14W, SB	Actions▼

Figure 10: Red box highlights the "Action" button and corresponding drop down menu.

6. How do I view detailed data?

Wherever a blue hyperlink appears in a search grid, it can be clicked to navigate to the corresponding Detail Page. Note that some sections of the Detail Page are collapsed and can be expanded by clicking the arrow to the right of the section title. The Detail Page that is opened in this way is a Summary page. It is also possible to open related Detail Pages by clicking on Summary in the top right and selecting a new Detail Page view. The alternate views that are available depend on the type of Detail Page. For a Well Detail Page, these include Ownership History, Permits, and Tests associated with the well in question, as well as others.



The screenshot shows the WellSTAR interface with a search results grid for Wells. The grid has columns for API, Designation, Operator Name, Current Type, Current Status, and Field. A red box highlights the blue hyperlink '0429520064' in the API column.

API ↓	Designation	Operator Name	Current Type	Current Status ↑	Field
0429520064	State 3743.1 48-2	Chevron U.S.A. Inc.	Dry Gas	Plugged & Abandoned	Ryer Island Gas
0429520060	State 3743.1 48-1A	Chevron U.S.A. Inc.	Gas	Plugged & Abandoned	Ryer Island Gas
0429520059	State 3896.1 51-1	Standard Oil Company of California	Oil & Gas	Canceled	Ryer Island Gas
0428321590	Summerland Beach Legacy Unknown Well D	State Lands Commission	Oil & Gas	Permitted	Summerland (ABD)

Figure 11: Clicking on a blue hyperlink on a List Page will navigate to the associated Detail Page.

Surface Location		
Section 25	Township 22S	Range 23E
Latitude 35.98500000	Longitude -119.42972222	B&M MD
County Tulare	District Inland	Onshore/Offshore Onshore
Datum NAD 83	Corner Call E qtr corner S25 T22S, R23E (2891'S 197'W from NE Corner of Section 25 T22S, R23E/CAIGEM Maps)	
Location Description Location is at the SW corner of the intersection of Ave 108 & Rd 64, Tulare County, CA		

Bottom Hole Location - Wellbore 0410720283-00		
Section 25	Township 22S	Range 23E
Latitude 35.98500000	Longitude -119.42972222	B&M MD
Field Any Field [0]	County Tulare [107]	Corner Call E qtr corner S25 T22S, R23E (2891'S 197'W from NE Corner of Section 25 T22S, R23E/CAIGEM Maps)

Critical/Environmentally Sensitive Well Information
Current Associated Projects
Wellhead Equipment
Well Activity

Figure 12: Detail Pages contain multiple sections, some of which are collapsed. In this example, clicking on the arrow outlined by the red box will expand the section titled "Critical/Environmentally Sensitive Well Information".

The screenshot shows the WellSTAR web application interface. At the top, there is a navigation bar with 'Well API' and 'Advanced Search'. Below the navigation bar, the page title is 'Well : Unspecified' and 'Well Detail'. The main content area displays details for 'Exxon 9 - API 0428321585'. A dropdown menu is open, showing options like 'Summary', 'Production/Injection', 'Tests', 'Permits', 'UIC', 'Associated Facilities', 'Ownership History', 'Violations', 'Incidents', 'Inspections', 'Idle Well', 'Well Maintenance', 'Documents', and 'Events'. The 'Summary' option is highlighted with a red box. Below the dropdown menu, there is a table with columns for 'API Number', 'Well Designation', 'Well Number', 'Operator', 'Well Type', 'Well Status', 'Active Permit', 'Bond Number', 'Confidential Well', 'Confidentiality Expiration Date', 'Lease', 'Surface Owner', 'Mineral Owner', 'Interested Federal Agencies', 'Well Name', 'Well Spud Date', 'Exploratory Well', 'Dry Hole', 'Status Date', 'Initial Date of Production', 'Directionally Drilled', 'Field(s)', 'Area(s)', 'Pool(s)', and 'Well Classifications'. Below the table, there is a section for 'Surface Location' with columns for 'Section', 'Township', 'Range', 'Latitude', 'Longitude', 'B&M', 'County', and 'District'.

Figure 13: Click on Summary in the top right to access alternate Detail Page views. Each selection will navigate to the appropriate detail page for this specific well - e.g., clicking on Permits will display all permits associated with this well while clicking on Documents will display all WellSTAR documents associated with this well.

7. How can I save a Detail Page to my local device?

While on the Detail Page, click on Actions in the top right and select Export – PDF from the drop-down menu.

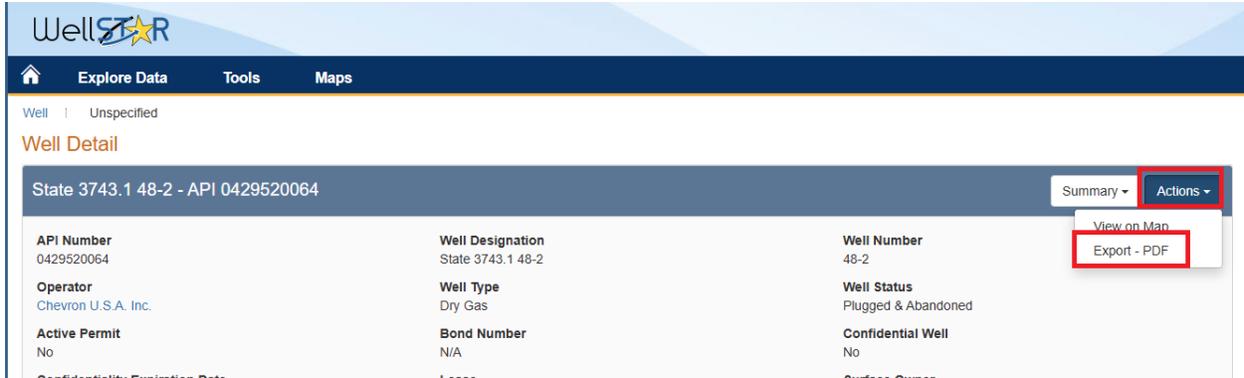


Figure 14: Clicking on Action in the top right displays a drop-down menu where Export - PDF can be selected.

8. How do I locate or view a well or piece of equipment on a map?

There are multiple ways to locate or view a well or piece of equipment on a map.

- From the Well Detail Page. Click on Actions in the top right and then select View on Map from the drop-down menu. This will open CalGEM's Well Management map, already zoomed in to the relevant well or piece of equipment.



Figure 15: Clicking on Actions in the top right displays a drop-down menu where View on Map can be selected. This option opens a new window and zooms to the feature of interest.

- From the Well Detail Page (Summary view). The Surface Location section includes the latitude and longitude of the well or piece of equipment; these can be input into the map of your choice.

Well Detail

Sausalito School 1-4 - API 0410720268

API Number 0410720268	Well Designation Sausalito School 1-4	Well Number 1-4
Operator Pacific Coast Exploration, LLC	Well Type Oil & Gas	Well Status Plugged & Abandoned
Active Permit No	Bond Number N/A	Confidential Well No
Confidentiality Expiration Date N/A	Lease Sausalito School	Surface Owner N/A
Mineral Owner N/A	Interested Federal Agencies N/A	Well Name Unspecified
Well Spud Date 04/05/2007	Exploratory Well No	Dry Hole Y
Status Date 04/26/2018	Initial Date of Production N/A	Directionally Drilled No
Field(s)	Area(s)	Pool(s)
Well Classifications N/A		

Surface Location		
Section 04	Township 23S	Range 26E
Latitude 35.95759964	Longitude -119.16986084	B&M MD
County Tulare	District Inland	Onshore/Offshore Onshore
Datum NAD 83	Corner Call N/A	
Location Description PT ctf 200N 100E		

Figure 16: Latitude and longitude of a feature of interest can be found in the Surface Location of the Well Detail page (Summary view).

- c. From CalGEM's Well Finder map (<https://maps.conservation.ca.gov/doggr/wellfinder/#close>). Enter search criteria in the search box in the top left of the screen, for example, entering an API number will result in the map zooming to the well with that API. Additional instructions on using Well Finder can be found here: <https://www.conservation.ca.gov/calgem/Documents/WellFinderHelp-pdfua-ADA.pdf?csf=1>

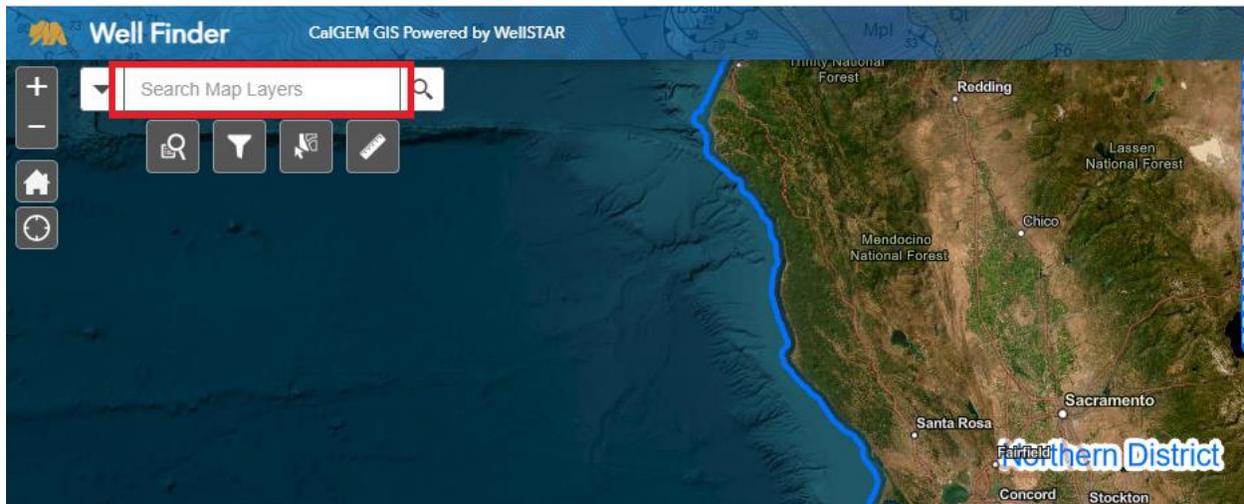


Figure 17: Entering an API in the highlighted search box will result in the map zooming to and selecting the identified well.

- d. From the grid view of wells. Explore Data > Wells > gear wheel symbol > select checkbox labeled Location (Lat/Long). This adds a column to the grid which shows the latitude and longitude of all wells in the search.

WellSTAR

Home | Wells

Wells

Filter by: District Inland

Well information in the grid below may be up to a day old.

API	Operator Name	Current Type	Field	Location (Lat/Long)	County
0410720282	Kebo Oil & Gas, Inc.	Oil & Gas	Any Field	(35.85472500, -119.11954500)	Tulare
0410720281	Spencer Barton	Oil & Gas	Deer Creek	(36.00032043, -119.03633118)	Tulare
0410720280	Patriot Resources, LLC	Dry Hole	Any Field	(36.35848618, -119.36722565)	Tulare
0410720279	Pentarch Petroleum	Oil & Gas	Deer Creek	(35.99591064, -119.05081940)	Tulare
0410720278	Spectra Exploration, Inc.	Oil & Gas	Any Field	(35.88861847, -118.99974823)	Tulare
0410720277	Spectra Exploration, Inc.	Oil & Gas	Any Field	(36.14223480, -119.19660187)	Tulare
0410720276	Zynergy, LLC	Oil & Gas	Deer Creek	(35.98511887, -119.04560852)	Tulare

- API
- Designation
- Oper. Code
- Operator Name
- Current Type
- Current Status
- Field
- Lease Name
- Well Number
- District
- PLSS
- Location (Lat/Long)
- Area
- County
- Spud Date
- Confidentiality Status
- Confidentiality Expiration Date
- Status Date
- Next Test Due Type
- Next Test Due Date
- Well Stim
- Well Maintenance
- Urban Drill Site
- Well Classification
- Years Idle
- Idle Start Date

Figure 18: From the wells search page select the gear symbol (red box) and in the resulting menu check the box labeled Location (Lat/Long) (green box). This will add a location column to the grid displaying the latitude and longitude of all wells in the grid (blue box).

9. Where can I find historical data for recent years on well stimulation, quarterly/monthly production, disposition, and injection?

Open WellSTAR > Tools > Bulk Data Download > Select desired reports for download. Click on Advanced Filtering for additional filtering options.

WellSTAR

Home | Explore Data | **Tools** | Maps

WellSTAR is the California Department of Energy and Environmental Protection's (CalEPP) primary tool for environmental protection by providing information on well production and Well Maintenance regulation.

Bulk Data Download

Data

Use the **Explore Data** menu to view data on the contained in this site:

Figure 19: After opening WellSTAR, click on "Tools" and then on "Bulk Data Download".

File Creation Date	Description	Type	Category	File Name	File Size (MB)
08/31/2024	Well Stimulation Disclosure Database for 082024	BAK	Well Stimulation Disclosure Database	082024WellStimulationDisclosureDatabase.BAK	41.19 MB
08/31/2024	Wells for 2024	CSV	Production / Injection Database	2024CaliforniaOilAndGasWells.csv	40.42 MB
08/31/2024	Well Quarterly Production for 2024	CSV	Production / Injection Database	2024CaliforniaOilAndGasWellQuarterlyProduction.csv	12.54 MB
08/31/2024	Well Quarterly Injection for 2024	CSV	Production / Injection Database	2024CaliforniaOilAndGasWellQuarterlyInjection.csv	2.94 MB
08/31/2024	Well Monthly Production for 2024	CSV	Production / Injection Database	2024CaliforniaOilAndGasWellMonthlyProduction.csv	48.27 MB
08/31/2024	Well Monthly Injection for 2024	CSV	Production / Injection Database	2024CaliforniaOilAndGasWellMonthlyInjection.csv	14.88 MB
08/31/2024	Field Quarterly Other Water Allocation for 2024	CSV	Production / Injection Database	2024CaliforniaOilAndGasFieldQuarterlyOtherWaterAllocation.csv	0.03 MB
08/31/2024	Field Monthly Disposition for 2024	CSV	Production / Injection Database	2024CaliforniaOilAndGasFieldMonthlyDisposition.csv	0.14 MB
08/31/2024	Production / Injection Database for 2024	BAK	Production / Injection Database	2024WellProductionInjection.BAK	39.65 MB
07/31/2024	Well Stimulation Disclosure Database for 072024	BAK	Well Stimulation Disclosure Database	072024WellStimulationDisclosureDatabase.BAK	30.19 MB
06/30/2024	Well Stimulation Disclosure Database for 062024	BAK	Well Stimulation Disclosure Database	062024WellStimulationDisclosureDatabase.BAK	30.28 MB

Figure 20: Reports available for download are visible. Click on "Advanced Filtering" on the right for additional filtering options.

10. How can I find documents that pre-date WellSTAR?

From the Well Detail page (Documents view) click on the link to the File Request server.

Upload Date	Relevant Date	Category	Type	Description	Filename	Document ID	Status
09/28/2020	09/28/2020	Well	NOI Acceptance Correspondence	Hamp 74 ST1 Selectively Perforate from 4900' to 6730' md	20200928_085216_NOI Permit Acceptance Notice.pdf	365493	N/A
09/28/2020	05/26/2020	Well	Wellbore Diagram	Hamp 74ST1 Current WBD	Hamp 74 ST1 Current WBD.pdf	365494	N/A

Figure 21: The File Request link is at the top left of the Well Detail page (red box). Note that it is only visible in Document view, which must be selected in the top right of the Well Detail page (green box).

11. When using the file request link, I received the message "No record found" though I know the record exists – how do I access this record?

The website only accepts eight-digit APIs, not 10-digit APIs. Remove the leading state code and try the record request again. Example: enter 03714673 instead of 0403714673.

12. Where can I find information on geothermal wells?

CalGEM's geothermal database is GeoSteam: <https://geosteam.conservation.ca.gov/>