WellSTAR Navigation

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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.

n Exp	lore Data	Forms	Tools	
Entity /				L Hello Todd Tyler, Department of Conser
Entities				O _{Help}
Organizations	People	Workgroups		

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

intities / Entities Page					
T Enter here to filter					
- Main Section	Entities pa	age			
Getting Started General Links + How Tos	This page is used to search for and initiate creation of contacts, system users, operators, organizations, and workgroups within WellSTAR. There are tabs for Organizations. People and Workgroups. This page is accessible from the WellSTAR Main Console.				
+ Application Development + Configuration Management	The Entities page defa	aults to the Organizations tab and has the following menu items.			
+ Data + Environments	Home menu items	Description			
+ Technical Architecture + Test	Organizations tab	Displays the Organizations table.			
+ Project Management	People tab	Displays the People table.			
Bond Management	Workgroups tab	Displays the Workgroups table.			
- Bonds Bond Page	These are the comma	nds at the top of each of the tables.			
- Entity Management	Command	Description			
- Entities Entities Page	Advanced	Toggles visibility of a filter row to filter data in the columns.			

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.

Description * 🕒		
	This field is used to add an easily identifiable description of this specific online form instance. The description will also be visible on your landing page within the Forms in Progress and Forms Submitted tabs.	1
All comments are	discoverable records, open to public review.	6

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.

W	ell								
â	Explore Data Tools Ma	20							
WellS enviro and We Data	Facilities Operator Total Liability Underground Gas Storage (UGS) Underground Injection Control (UIC)	California Geologic Energy Management Division's (CalGEM) new electronic database. WellSTAR furthers CalGEM's commitment to public safety and of use, and access to important, sortable data in a single portal. The release of WellSTAR ensures compliance with CalGEM's Well Stimulation Treatment and federal requirements.							
- Facil - Oper - Unde - Unde - Well - Well - Well	Wells Well Maintenance Well Stimulation (WST)	nd in uns sue.							
Additio	nal data is available by navigating through links	available in the above mentioned pages.							
To acce	ess bulk data from WellSTAR, use the Tools me	nu to select Bulk Data Download. Warning – bulk data download file sizes may be up to 10G of data.							
To revie <u>Maps</u>	To review Well Stimulation application data prior to WellSTAR, use https://filerequest.conservation.ca.gov/WellRecord. Maps								
For gra	For graphical depiction of Facility, Permit, UGS and Well information please use the Maps menu link.								

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.

W	ell							
â	Explore Data	Tools	Марѕ					
WellST enviror and We <u>Data</u>	Facilities Operator Total L Underground G	.iability as Storage (UG:	- California Geologic Energy Management Division's (CalGEM) new electronic database. WeilSTAR furthers CalGEM's commitment to public safety and e of use, and access to important, sortable data in a single portal. The release of WeilSTAR ensures compliance with CalGEM's Weil Stimulation Treatment and federal requirements					
Use the Underground Injection Control (UIC) - Facility Wells - Oper Wells - Under Well Maintenance - Under - Well M - Well Stimulation (WST) - Well M - Well Stimulation (WST)			JIC) ed in this site:					
Additio	nal data is available b	y navigating throug	h links available in the above mentioned pages.					
To acc	ess bulk data from We	elISTAR, use the To	ols menu to select Bulk Data Download. Warning - bulk data download file sizes may be up to 10G of data.					
To revi	ew Well Stimulation a	pplication data prior	to WellSTAR, use https://filerequest.conservation.ca.gov/WellRecord.					
<u>Maps</u>	Maps							
For gra	aphical depiction of Fa	cility, Permit, UGS	and Well information please use the Maps menu link.					

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

ch 🌣
d

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 null, is not empty). Advanced filtering is available for other data types as well (e.g. facilities, complaints, etc.).



ш						API	î
w						Designation	
1	Explore Data Tool	s Maps				Oper. Code	
ome	Wells					Operator Name	11-
Vell	S					Current Type	
	-		Current Status				
Wel	s	Field					
ter b	y:		Lease Name				
Distri	ct 🗸 Ini		Well Number				
ell int	ormation in the grid below may be		District				
		PLSS					
	APL	Designation	Operator Name	Current Type	Current Status	Location (Lat/Long)	
	0410720282	CPPC et al. B 1	Kebo Oil & Cas, Inc.		Canceled	Area	LP.
	0410720202		Rebu Oli & Gas, Ilic.	Oli & Gas	Caliceled	County	
	0410720281	Doe 2	Spencer Barton	Oli & Gas	Plugged & Abandor	Spud Date	H-
	0410720280	Sequoia 1	Patriot Resources, LLC	Dry Hole	Plugged & Abandor	Confidentiality Status	
	0410720279	Pentarch 9	Pentarch Petroleum	Oil & Gas	Active	Confidentiality Expiration Date	
	0410720278	Grizzle 1-31	Spectra Exploration, Inc.	Oil & Gas	Plugged & Abandor	Status Date	
	0410720277	Hani 1-31	Spectra Exploration, Inc.	Oil & Gas	Plugged & Abandor	Next Test Due Type	
	0410720276	9	Zynergy, LLC	Oil & Gas	Idle		
	0410720275	Pentarch Petroleum 5A	Pentarch Petroleum	Oil & Gas	Active	Well Maintenance	
	0410720274	Filippi S.F. 4	Modus, Inc.	Oil & Gas	Active		
	0410720273	Filippi L.T.F. 3	Modus, Inc.	Oil & Gas	Active	Well Classification	
	0410720272	Pentarch Petroleum 7	Pentarch Petroleum	Oil & Gas	Active	Years Idle	
	0410720271	720271 Pentarch Petroleum 8		Pentarch Petroleum Oil & Gas		Idle Start Date	
н	 ▲ 1 2 3 4 5 	6 7 8 9 10 >	► 20 ▼ items per	page		Idle End Date	0
						Idle Well Management Plan	
						Testing Waiver Plan	

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).

â	Explore Data	Tools Maps								
Home	Wells									
Well	S									
Wel	ls									
Eilter b										
Distri	ct 🗸	Inland				•				
Well inf	formation in the grid below	w may be up to a day old								
Vicinin	ormation in the grid below	i may be up to a day old.				T A	dvanced Filtering	Actions -	Search	\$
	API ↓	Designation		Operator Name	Current Type		Current Status 🕇		Field	
		T	Ţ	T		T		•		T
	0410720282	Contains		Kebo Oil & Gas, Inc.	Oil & Gas		Canceled		Any Field	î
	0410720281	Does not contain Starts with		Spencer Barton	Oil & Gas		Plugged & Abando	ined	Deer Creek	
	0410720280	Ends with		Patriot Resources, LLC	Dry Hole		Plugged & Abando	ined	Any Field	
	0410720279	Is equal to		Pentarch Petroleum	Oil & Gas		Active		Deer Creek	
	0410720278	Is not equal to		Spectra Exploration, Inc.	Oil & Gas		Plugged & Abando	ned	Any Field	
	0410720277		·	Spectra Exploration, Inc.	Oil & Gas		Plugged & Abando	ined	Any Field	
	0410720276	9		Zynergy, LLC	Oil & Gas		Idle		Deer Creek	

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).

We	II STAR							
â e	Explore Data	Tools M	laps					
Home	Facilities							
Facilitie	es							
Facilitie	es & Compon	ients						
						T Advanced Filter	ing Actions - Sear	ch 🌣
Code		Operator	ID †	Туре	Sub Type	Name	FLS Export - Excel	ti ons
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.

We	ellszkR							
â	Explore Data Tool	s Maps						
Home	Wells							
Wells	5							
Well	S							
Filter b	v:							
Distric	st 👻 No	orthern			•			
Well inf	ormation in the grid below may b	e up to a day old						
					▼ Advanced Filtering	Actions -	Search	\$
	API ↓	Designation	Operator Name	Current Type	Current Status	t	Field	
	0429520064	State 3743.1 48-2	Chevron U.S.A. Inc.	Dry Gas	Plugged & Aband	oned	Ryer Island Gas	Î
	0429520060	State 3743.1 48-1A	Chevron U.S.A. Inc.	Gas	Plugged & Aband	oned	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/CalGEM 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/CalGEM 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".

Well		[Well API 🔹
Explore Data Forms Tools Maps			Advanced Search
Well I Unspecified			L Hello William Schmidt, Department of Conservation -
Well Detail			O Help
Exxon 9 - API 0428321585			Summary - Actions -
API Number 0428321585	Well Designation Exxon 9	Well Number 9	Summary Production/Injection
Operator Chevron U.S.A. Inc.	Well Type Oil & Gas	Well Status Plugged & Abandoned	Tests Permits
Active Permit No	Bond Number N/A	Confidential Well No	UIC Associated Facilities
Confidentiality Expiration Date	Lease Exxon	Surface Owner N/A	Violations
Mineral Owner N/A	Interested Federal Agencies N/A	Well Name Unspecified	Incidents
Well Spud Date 08/11/1983	Exploratory Well No	Dry Hole N/A	Idle Well Well Maintenance
Status Date 04/26/2018	Initial Date of Production N/A	Directionally Drilled Yes	Documents Events
Field(s)	Area(s)	Pool(s)	
Well Classifications N/A			
Surface Location			
Section 17	Township 03N	Range 25W	
Latitude 34.34220505	Longitude -119.51985168	B&M SB	
County	District	Onshore/Offshore	

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.

Well		
Explore Data Tools Maps		
Well I Unspecified		
Well Detail		
State 3743.1 48-2 - API 0429520064		Summary - Actions -
API Number 0429520064	Well Designation State 3743.1 48-2	Well Number View on Map 48-2 Export - PDF
Operator	Well Type	Well Status
Chevron U.S.A. Inc.	Dry Gas	Plugged & Abandoned
No	N/A	No
Confidentiality Expiration Date	1 0350	Surface Owner

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.

a. 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.

Well			
Explore Data Tools Maps			
Well Unspecified Well Detail			
State 3743.1 48-2 - API 0429520064			Summary - Actions -
API Number 0429520064	Well Designation State 3743.1 48-2	Well Number 48-2	Export - PDF
Operator Chevron U.S.A. Inc.	Well Type Dry Gas	Well Status Plugged & Abandoned	
Active Permit No	Bond Number N/A	Confidential Well No	
Confidentiality Expiration Date	0.000	Surface Owner	

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.

b. 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		• Hetp
Sausalito School 1-4 - API 0410720268		Summary - Actions -
API Number 0410720585 Operator Pactic Coast Exploration, LLC Active Permit No Confidentiality Expiration Date N/A	Well Designation Sausalio School 1-4 Well Type Oil & Gas Bond Number N/A Lesse Sausalio School Instructure External Agencies	Well Number 1-4 Well Status Plugged & Abandoned Confidential Well No Surface Owner N/A Well Name
MinFat Owner N/A Weil Spud Date 04/05/2007 Status Date 04/25/2018 Field(s)	Interestice Federal Agencies Exploratory Well No Initial Date of Production N/A Area(s)	wen kane Unspecified Dry Hole Y Directionally Drilled No Pool(s)
Well Classifications N/A Surface Location Section	Township	P2008
action 04 Latitude 35 9799964 County Tutare Datum NAD 83 Location Description Fr ctr 200N 100E	Zas Longitude -119 16986084 District Inland Corner Call N/A	nange 286 B&M MD Onshore/offshore Onshore

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 (<u>https://maps.conservation.ca.gov/doggr/wellfinder/#close</u>). 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.

111							API	î	
							Designation		
â	Explore Data	Tools Maps					Oper. Code		
Home	Wells						Operator Name	IE.	
\\/∩II	c						Current Type		
W Ch	0						Current Status		
We	lls						Field		
Filter t	by:						Lease Name		
Distr	ict 🔻	Inland			•		Well Number		
							District		
Well in	formation in the grid bel	low may be up to a day old.					PLSS		
					▼ Advanced		Location (Lat/Long)	*	
	API ↓	Operator Name	Current Type	Field	Location (Lat/Long)	County	Area		
	0410720282	Kebo Oil & Gas, Inc.	Oil & Gas	Any Field	(35.85472500, -119.11954500)	Tulare	County	Î	
	0410720281	Spencer Barton	Oil & Gas	Deer Creek	(36.00032043, -119.03633118)	Tulare	Confidentiality Status		
	0410720280	Patriot Resources, LLC	Dry Hole	Any Field	(36.35848618, -119.36722565)	Tulare	Confidentiality Expiration Date		
	0410720279	Pentarch Petroleum	Oil & Gas	Deer Creek	(35.99591064, -119.05081940)	Tulare	Next Test Due Type Next Test Due Date		
	0410720278	Spectra Exploration, Inc.	Oil & Gas	Any Field	(35.88861847, -118.99974823)	Tulare	Well Stim Well Maintenance		
	0410720277	Spectra Exploration, Inc.	Oil & Gas	Any Field	(36.14223480, -119.19660187)	Tulare	Urban Drill Site		
	0410720276	Zynergy, LLC	Oil & Gas	Deer Creek	(35.98511887, -119.04560852)	Tulare	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.



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".

Well					Well API 👻	
Explore Data	Forms Tools	Maps				Advanced Searcl
Home I Bulk Data Downloa	ds				L Hello William Schm	idt, Department of Conservat
Bulk Data Downloads	5					O Hel
Frequently requested data from and may be as large as 10G. V latest accessibility guidelines/h	n WellSTAR is available for bulk Nell, Production, and Injection fi help please see https://www.com	data download below. Please r les are always delayed by two o servation.ca.gov/index/Pages/a	note that Well, Product calendar months to acc ccessibility aspx.	on, and Injection files generated before 2018 are in Microsoft Acce ount for reporting deadlines. The first file for a calendar year will be	iss format and located on the CaNCEM site. Files from 2018 and beyond are in e generated on March 31 of that year, and the final file will be generated March	SQL Server Express format 31 of the following year. For
7					T Advanced Filtering	Search
File Creation Date	Description		Туре	Category	File Name	File Size (MB)
08/31/2024	Well Stimulation Discle	osure 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 Produc	tion for 2024	CSV	Production / Injection Database	2024CaliforniaOilAndGasWellQuarterlyProduction.csv	12.54 MB
08/31/2024	Well Quarterly Injectio	n for 2024	CSV	Production / Injection Database	2024CaliforniaOilAndGasWellQuarterlyInjection.csv	2.94 MB
08/31/2024	Well Monthly Producti	on 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	2024CaliforniaOliAndGasFieldQuarterlyOtherWaterAllocat kon.csv	0.03 MB
08/31/2024	Field Monthly Disposit	tion for 2024	CSV	Production / Injection Database	2024CaliforniaOilAndGasFieldMonthlyDisposition.csv	0.14 MB
	Production / Injection	Database for 2024	BAK	Production / Injection Database	2024WellProductionInjection.BAK	39.65 MB
08/31/2024						
08/31/2024 07/31/2024	Well Stimulation Discl	osure Database for 072024	BAK	Well Stimulation Disclosure Database	072024WellStimulationDisclosureDatabase.BAK	30.19 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.

Well Detail									
Hamp 74 - API 0411122404								Documents -	Actions -
File Request https://tierequest.conservation.ca.gov/WellRecord?api=11122404									
	T Advanced Filtering Actions - St					Search	\$		
Upload Date 🕴	Relevant Date	Category	Туре	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	Â
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/