



California  
**Department of  
Conservation**  
Oil, Gas, & Geothermal Resources

# WellSTAR

## User Reference Guide

Well Stimulation  
Submit Disclosure Form  
Module 3

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## **COURSE OVERVIEW**

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### **Course Description**

This training will describe how well stimulation information is tracked and maintained within the Well Stimulation capability. This includes, but is not limited to, managing alerts to operators, accepting applications and permits for well stimulation, notification of deadlines, recording testing data and the ability to receive documentation related to end of the treatment and post-simulation

# 1 SUBMIT WELL STIMULATION DISCLOSURE FORM

In this lesson you will learn how to submit a 72 Hour Notification Form.

Lesson Objectives:

- Submit a Well Simulation Disclosure

## 1.1 Submit a Well Stimulation Disclosure Form

Home Help

[My Tasks](#) [Tasks](#) [Alerts](#) [Online Forms](#) [Forms In Progress](#) [Forms Submitted](#)

Advanced Filtering

Form Name ↑	Form Category	Purpose	Version	Count
<a href="#">Well Stimulation Disclosure</a>	Well Stimulation	Create or maintain well stimulation disclosure data	1	1

20 items per page Viewing 1 - 1 from 1 results

Step	Action	Required Fields
1.	From the Home screen, select <b>Online Forms</b> .	
2.	In the search bar on the right, type in <b>“Well Stimulation Disclosure”</b> .	
3.	Click on the blue hyperlink labeled <b>Well Stimulation Disclosure</b> .	

### Section 1. Form Information

## Well Stimulation Disclosure

Help

Form Navigation

1. Form Information

Form Information [Hide Form Navigation]

Please enter information below. \* Indicates Required Field

**Form Name**  
Well Stimulation Disclosure

**Organization \***  
Aera Energy LLC (A0610) - Bakersfield, CA

**WST Permit # \***  
90313535

**Description \***

Cancel Save & Continue

Step	Action	Required Fields
1.	You will be taken to Section 1. Form Information page for Well Stimulation Information. Start by typing in the <b>Organization Name</b> and search for the correct organization for the dropdown.	Organization
2.	Select from the available <b>WST Permit #</b> from the dropdown.	WST Permit #
3.	Enter in a <b>Description</b> for this 72-Hour Notification Form. <b>NOTE:</b> It is recommended to enter "Well Name/API, Facility Name or Operator" in Description so that this information can also be used to locate the form. Example: Lake View 2 030-12345	Description
4.	Click <b>Save &amp; Continue</b> .	

## Section 2. Operator Information

Please confirm the correct Organization has been selected, and designate contact(s) with their correct role. By default, the Organization's Agent and the form submitter are selected as contacts.

\* Indicates Required Field

**Organization Name**  
Aera Energy LLC (A0610)

**Type of Organization**  
Corporation

**Organization Primary Address**  
10000 Ming Avenue  
Bakersfield, CA 933111301

**Organization Primary Phone Number**  
(661) 665-5325

**Ext**

Contacts				Advanced Filtering	Actions
Name ↑	Phone Number	Email	Role		
Jeffrey Young	(661) 665-5693	jayoung@aeraenergy.comx	Agent		
Martina Fisher	(916) 322-2008	martina.fisher@conservation.ca.govx	Submitter		

Step	Action	Required Fields
1.	Review organization details for correctness. <i>Note: changes cannot be made to organization details here.</i>	
2.	Review contacts responsible for form completion and submission.	
3.	If the person is not listed on the contacts list, click <b>“Actions”</b> .	
4.	Click <b>“Add Contact”</b> .	
5.	Complete contact info dialogue box that appears.	
6.	Click blue <b>“Update”</b> button.	
7.	Click <b>“Next”</b> . 	

### Section 3. Well Information

Well Information ▼

<b>API</b> <input type="text" value="0403026649"/>	<b>Wellbore Code</b> <input type="text" value="00"/>	<b>Type of Stimulation</b> <input type="text" value="Hydraulic Fracturing"/>
<b>Lease</b> <input type="text" value="90240921"/>	<b>Well Number</b> <input type="text" value="7510A-2"/>	<b>Well Status</b> <input type="text" value="Plugged &amp; Abandoned"/>
<b>Well Type</b> <input type="text" value="Oil &amp; Gas"/>	<b>Confidential Well?</b> <input type="text" value="No"/>	<b>Plugback Depth MD (ft)</b> <input type="text"/>
<b>Plugback Depth TVD (ft)</b> <input type="text"/>	<b>Original Total Depth MD (ft)</b> <input type="text"/>	<b>Original Total Depth TVD (ft)</b> <input type="text"/>
<b>Initial Date of Production</b> <input type="text"/>		

  

Location Information ▼

<b>Offshore/Onshore</b> <input type="text" value="No"/>	<b>Field</b> <input type="text" value="Belridge, South"/>	<b>County</b> <input type="text" value="Kern"/>	
<b>Section</b> <input type="text" value="02"/>	<b>Township</b> <input type="text" value="29S"/>	<b>Range</b> <input type="text" value="21E"/>	<b>Base Meridian</b> <input type="text"/>
<b>Latitude</b> <input type="text" value="35.42916489"/>	<b>Longitude</b> <input type="text" value="-119.68505096"/>	<b>Critical Well?</b> <input type="text" value="No"/>	

The well information displayed above is the most recent available information.

A Supplemental Post-Stimulation report is required for this Disclosure.

Step	Action	Required Fields
1.	Verify all well information: <b>API, Wellbore code, Type of Stimulation, Lease Well Number, Well status, Well Type, Confidential status, Plug back depth (MD, TVD) Well TD, and initial Production Date</b> , have been auto populated, or filled in correctly.	All required fields are auto populated
2.	Verify all location onformation: OffShore/Onshore, Field, County, Section, Township, Range, Base Meridian, Latitude, Longitude, and confidential status has been auto populated, or filled in correctly.	All required fields are auto populated
3.	Select whether this is the most recent information available or if a supplemental form will be submitted after stimulation has been completed.	
4.	Click <b>Next</b> to move to next section. <span style="float: right; background-color: #f4a460; padding: 2px 5px; border: 1px solid #000;">Next</span>	

## Section: 4 Treatment Stages

Treatment Stages [Hide Form Navigation]

Verify and edit Treatment Stage data, if necessary. \* Indicates Required Field

Treatment Stages

Advanced Filtering
Actions
⚙️

Stage ...	Top TV...	Botto...	Height ...	Azimuth°	Format...	Actions
1	2030	2211	181	80	1100	<span style="border: 1px solid red; padding: 2px;">Actions</span>

⏪ ⏩ 1 ⏪ ⏩

20 ▼ items per page
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**Total Slurry Vol. (bbl)**

Step	Action	Required Fields
1.	Click the <b>Actions</b> hyperlink within the table to edit an existing stage. Note: The stages will be pre-populated with the information submitted in the Application for Well Stimulation form.	
2.	Click <b>Actions</b> button and click <b>Create Record</b> to add a new stage, if required.	

Treatment Stage Information

Please enter information below. \* Indicates Required Field

Stage No. \*

Start Date/Time \* End Date/Time \*

Perforation Information

Top MD (ft) \* Top TVD (ft) \* Bottom MD (ft) \* Bottom TVD (ft) \*

Net Perforations (ft) \* Packer Depth MD (ft) Packer Depth TVD (ft)

Fracture Geometry

Length (ft) \* Height (ft) \* Width (in) \* Azimuth \* \*

ADSA Dimensions

1x ADSA Top TVD (ft) \* 1x ADSA Bottom TVD (ft) \* 2x ADSA Top TVD (ft) \* 2x ADSA Bottom TVD (ft) \*

5x ADSA Top TVD (ft) \* 5x ADSA Bottom TVD (ft) \*

Geology

Formation \* Formation Top TVD (ft) \* Formation Top MD (ft) \* Formation Bottom TVD (ft) \*

Zone 1 Bottom TVD (ft) Zone 2 Bottom TVD (ft) Zone 3 Bottom TVD (ft)

Field \* Belridge, South

Area \*

Pool Code \*

Maximum Fluid Volumes Proppant

Slurry Volume (bbl) \* Clean Fluid Volume (bbl) \* Proppant Concentration (ppg) \*

Maximum Treatment Rate Pressure

Rate \* Surface Pressure (psi) \* Bottom Hole Pressure (psi) \*

Cancel Save

Step	Action	Required Field
1.	Enter information: <b>Stage Number, Stage Start/End Time/Date, Top (MD TVD), Bottom (MD TVD), Net footage of Perforations, Packer depth (MD TVD), Fracture Geometry (Length, Height, Width, Azimuth), ADSA Dimensions (1x, 2x, 5x Top TVD, Bottom TVD), Geology (Formation, Formation Top (MD TVD) Bottom (MD TVD), Zone 1 2 3 (TVD), Field, Area, Pool code), Slurry Volume, Clean Volume, Proppant Concentration, Rate, Surface Pressure and Bottom hole Pressure.</b>	Stage Number, Stage Start/End Time/Date, Top (MD TVD), Bottom (MD TVD), Fracture Geometry (Length, Height, Width, Azimuth), ADSA Dimensions (1x, 2x, 5x Top TVD, Bottom TVD), Geology (Formation, Formation Top (MD TVD) Bottom (MD TVD), Field, Area, Pool code), Slurry Volume, Clean Volume, Proppant Concentration, Rate, Surface Pressure and Bottom hole Pressure.
2.	Click <b>Save</b> .	
3.	Click <b>Next</b> to move to next section. <span style="background-color: #f4a460; padding: 2px 5px;">Next</span>	

## Section 5 : Base & Recovered Fluids

Please enter information below.

\* Indicates Required Field

- If hazardous wastes were generated during the well stimulation activities, copies of all hazardous waste manifests used for transportation to an authorized offsite facility will be attached.

Base Fluids
▼

▼ Advanced Filtering
Actions ..
Search
⚙

Water Source Name	Water Source Type	Volume Used (bbl)	Actions
California Aqueduct	Surface Water- Manmade	2900	<a href="#">Actions▼</a>

⏪
⏩
1
⏪
⏩

20
▼
items per page

Viewing 1 - 1 from 1 results
🔄

Step	Action	Required Fields
1.	Click <b>Actions</b> button and click <b>Create Record</b> to add base fluid information	
2.	Click the <b>Actions</b> hyperlink within the table to edit an existing entry.	

Base Fluid Information
✕

Please enter information below. \* Indicates Required Field

Is a fluid other than water planned to be used?

<b>Water Source Name *</b> <input style="width: 95%;" type="text" value="California Aqueduct"/>	<b>Water Source Location *</b> <input style="width: 95%;" type="text" value="California Aqueduct"/>
<b>Water Source Type *</b> <input style="width: 95%;" type="text" value="Surface Water-Manmade"/>	<b>Describe Other Water Source *</b> <input style="width: 95%;" type="text"/>
<b>Base Fluid Suitability for Other Uses *</b> <input style="width: 95%;" type="text" value="Suitable for Irrigation/Domestic Use"/>	
<b>Water Source Well ID *</b> <input style="width: 95%;" type="text" value="0"/>	<b>Surface Water Diversion Point *</b> <input style="width: 95%;" type="text" value="Industrial 2"/>
<b>Purchased? *</b> <input style="width: 95%;" type="text" value="Yes"/>	<b>Supplier Name *</b> <input style="width: 95%;" type="text" value="Belridge Water Storage District"/>
<b>Volume Used (bbl) *</b> <input style="width: 95%;" type="text" value="2900"/>	<b>Flashpoint (°C)</b> <input style="width: 95%;" type="text"/>
<b>pH</b> <input style="width: 95%;" type="text" value="7.3"/>	

Step	Action	Required Field
1.	Check the box if fluid other than water was used.	
2.	Enter data: <b>Water Source Name, Water Source location, Water Source Type, Describe Other Water Source, Base Fluid Suitability for Other Uses, Water Source Well ID, Surface Water Diversion Point, Purchased, Supplier Name, Volume Used (bbl), Flashpoint (Celsius), and pH.</b>	<b>Water Source Name, Water Source location, Water Source Type, Describe Other Water Source, Base Fluid Suitability for Other Uses, Surface Water Diversion Point, and Volume Used (bbl).</b>
3.	Click <b>Save</b> .	

**Recovered Fluids**

Advanced Filtering Actions Search

Dispo...	Dispo...	UIC P...	Inject...	Inject...	Total...	Rad...	Rad...	Actions
Desalini zation	Water Plant 20	052000 04	Aera Energy LLC	Belridge , South				<a href="#">Actions</a>

20 items per page Viewing 1 - 1 from 1 results

**Total Volume Used**

2900

Is a second recovered fluid analysis report required?

Step	Action	Required Fields
1.	Click <b>Actions</b> button and click <b>Create Record</b> to add recovered fluids information	
2.	Click the <b>Actions</b> hyperlink within the table to edit an existing entry.	

Recovered Fluid Information
✕

Please enter information below. \* Indicates Required Field

### Fluid Information

---

### Disposal Information

**Disposal Method \***

**Disposal Location \***

**Describe Other Disposal Method \***

**UIC Project ID \***

**Injection Operator**

**Injection Field**

**Vol. Recovered at First Sampling (bbl)**

**Total Vol. Recovered (bbl) \***

### Radiological Information

**Rad. of Recovered Fluid (pCi/L) \***

**Radiological Constituent**

**Rad. Analytical Method**

**Rad. Analysis Equipment**

Step	Action	Required Field
1.	Enter data: <b>Fluid Disposal Method, Location, Description of other disposal method, UIC Project ID, Volume Recovered at First Sampling (bbl), Total Volume Recovered (bbl), Rad of Recovered Fluid, Radiological Constituent, Rad Analytical Method, and Rad Analysis Equipment.</b>	Fluid Disposal Method, Location, Description of other disposal method, UIC Project ID, Volume Recovered at First Sampling (bbl), Total Volume Recovered (bbl), Rad of Recovered Fluid, Radiological Constituent
2.	Click <b>Save</b> .	
3.	Click <b>Next</b> to move to next section. <span style="background-color: #f4a460; border: none; padding: 2px 5px; font-size: small;">Next</span>	

**Section: 6 Constituents & Additives**

Chemical Constituents					
<input type="button" value="Advanced Filtering"/> <input type="button" value="Actions"/> <input type="text" value="Search"/> <input type="button" value="Settings"/>					
Stage No.	Chemical N...	CAS #	Unique ID (i...	Concentrati...	Actions
1	Guar gum	9000-30-0		0.18	<a href="#">Actions-</a>

items per page
 Viewing 1 - 1 from 1 results

Step	Action	Required Fields
1.	Click <b>Actions</b> button and click <b>Create Record</b> to add Chemical Constituent information .	
2.	Click the <b>Actions</b> hyperlink within the table to edit an existing entry.	

Chemical Constituent Information
✕

Please enter information below. \* Indicates Required Field

**Stage No. \***

**Chemical Name \***

**CAS #**

**Unique ID (if no CAS #)**

**Concentration % Mass \***

Step	Action	Required Field
1.	Enter data: <b>Stage Number, Chemical name, CAS #, Unique ID</b> and <b>Concentration % Mass</b> . <b>Note:</b> If no CAS # exists use most identifiable name or number.	Stage Number, Chemical name, CAS # and Concentration % Mass.
2.	Click <b>Save</b> .	

**Additives** ▼

Stage No.	Trade Name	Concentration %	Is Rad. Compo...	Actions

items per page
 No results to display

Step	Action	Required Fields
1.	Click <b>Actions</b> button and click <b>Create Record</b> to add base fluid information	
2.	Click the <b>Actions</b> hyperlink within the table to edit an existing entry.	

Additive Information
✕

Please enter information below. \* Indicates Required Field

### Additive Information

<p><b>Trade Secret Production *</b></p> <input style="width: 100%; height: 25px;" type="text"/>	<p><b>Stage No. *</b></p> <input style="width: 100%; height: 25px;" type="text"/>
<p><b>Trade Name</b></p> <input style="width: 100%; height: 25px;" type="text"/>	<p><b>Supplier</b></p> <input style="width: 100%; height: 25px;" type="text"/>
<p><b>Intended Purpose</b></p> <input style="width: 100%; height: 25px;" type="text"/>	<p><b>Concentration % *</b></p> <input style="width: 100%; height: 25px;" type="text"/>

### Radiological Information

<p><b>Is Rad. Component or Tracer? *</b></p> <input style="width: 100%; height: 25px;" type="text"/>	<p><b>Rad. Recovery Method</b></p> <input style="width: 100%; height: 25px;" type="text"/>
<p><b>Rad. Recovery Rate</b></p> <input style="width: 100%; height: 25px;" type="text"/>	<p><b>Rad. Material Disposal Method</b></p> <input style="width: 100%; height: 25px;" type="text"/>
<p><b>Rad. Material Disposal Location</b></p> <input style="width: 100%; height: 25px;" type="text"/>	

Step	Action	Required Field
1.	Enter Data: <b>Trade Secret Production, Stage Number, Trade Name, Supplier, Intended Purpose, Concentration %, Is Rad Component or Tracer, Rad Recovery Method, Rad Recovery Rate, Rad Material Disposal Method and Rad Material Disposal Location.</b>	Trade Secret Production, Stage Number, Concentration, Is Rad Component or tracer
2.	Click <b>Save</b> .	
3.	Click <b>Next</b> to move to next section. <input style="background-color: #f4a460;" type="button" value="Next"/>	

## Section 7 Document Upload

Document Upload

\* Indicates Required Field

Upload New Document       Associate Existing WellSTAR Documents

Internal Only       Request Confidentiality

Type \*

Relevant Date \*

Description \*

*All comments are discoverable records, open to public review.*

Filename \*

Browse

Cancel    Upload

Step	Action	Required Fields
1.	Upload any pertaining documents applicable to the Application for Well Stimulation Permit form.	
2.	To upload, click <b>Actions</b> then <b>Add New</b> . A popup will expand below.	
3.	In this popup, input all information. To add the document, select <b>Browse</b> , search for the correct file and click <b>Upload</b> . Or select <b>Associate Existing WellSTAR Document</b> and select the document ID.	Type, Relevant Date, Description, Document ID
4.	Select <b>"Next"</b> . <span style="background-color: #f4a460; padding: 2px 5px;">Next</span>	

## Section 8. Form Submit

**Acknowledgement**

**Submitter**

Internal User John Wilson

**Date Received**

2/14/2019

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete. \*

**Form Submit Preview**

Click the button below to preview your submission summary.

Preview Submission Summary

Step	Action	Required Fields
1.	If any form needs to be added, click <b>Add Form</b> under Online Form Association. This creates a popup. Type in the form ID or name and click <b>“Save”</b> .	
2.	If any comments pertaining to the submittal is needed, type in the comment and click <b>Add</b> under Comments.	
3.	When ready to acknowledge, click the box label <b>“I hereby certify...”</b> . This autopopulates the user’s name who is filling out the form.	
4.	Click the button <b>“Preview Submission Summary”</b> to generate the submission.	
5.	When satisfied with the submission, click <b>“Submit”</b> .	

## Section 9. Confirmation



Your form has been submitted successfully. You will be notified when a determination has been made.

Step	Action	Required Fields
1.	No action needed. .	

### 1.1.1 Key Points

- Both internal and external users can submit this form.
- All Comments in the submittal and review progress are cataloged and publically available.