



User's Guide to the Alaska Department of Natural Resources, Division of Mining, Land & Water Alaska Hydrologic Survey (AHS) Water Well Log Tracking System (WELTS)

Welcome to the Well Log Tracking System (WELTS) for online reporting
and archival of water well logs!

This user's guide is divided into three components: 1) instructions to conduct a search for well logs using the tabular application, 2) instructions for online reporting of water well logs and 3) instructions for using the WELTS mapper application.

Component 1:

instructions to conduct a search for well logs using the tabular application

To conduct a search for well logs, select a field to initiate the search by clicking on the dropdown arrow as shown below:

The screenshot shows the Alaska Department of Natural Resources Mining, Land & Water website. The page title is "Well Log Tracking System (WELTS)". Below the title is a "Search WELTS" section. A disclaimer states: "This page is provided as a public service by the Alaska Division of Mining, Land and Water. The Division makes NO representation regarding well location, completeness or accuracy of the data in the database or data extraction procedures provided. The user assumes total responsibility for verification." Below the disclaimer are links for "Well Driller's Log Form", "Well Decommissioning Form", "Water Use Report Form (AKWUDS)", and "Application for Water Right". The search interface includes a "Search:" label, a dropdown menu with "Owner Name" selected, a text input field containing "name, First name", and a "Search" button. A red arrow points to the dropdown arrow. At the bottom of the search area, there are links for "Privacy", "Copyright", "System Status", and "Well Log ID". The footer contains contact information for the Department of Natural Resources and navigation links for "State of Alaska", "myAlaska", "My Government", "Resident", "Business in Alaska", "Visiting Alaska", "State Employees", "State of Alaska", "© 2013", and "Webmaster".

Type in the information that you would like to conduct the search on as shown below, then click on the search button:

State of Alaska myAlaska My Government Resident Business in Alaska Visiting Alaska State Employees

Alaska Department of Natural Resources
Mining, Land & Water

Natural Resources > Mining, Land & Water > Well Log Tracking System

Well Log Tracking System (WELTS)

Search WELTS

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[Well Driller's Log Form](#) [Well Decommissioning Form](#) [Water Use Report Form \(AKWUDS\)](#) [Application for Water Right](#)

Search: Driller Name

[Privacy](#) [Copyright](#) [System Status](#) [Webmaster](#)

Department of Natural Resources
550 W. 7th Ave, Suite 1260, Anchorage, AK 99501-3557
Phone: 907-269-8400 || Fax: 907-269-8901 || TTY: 907-269-8411

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Webmaster

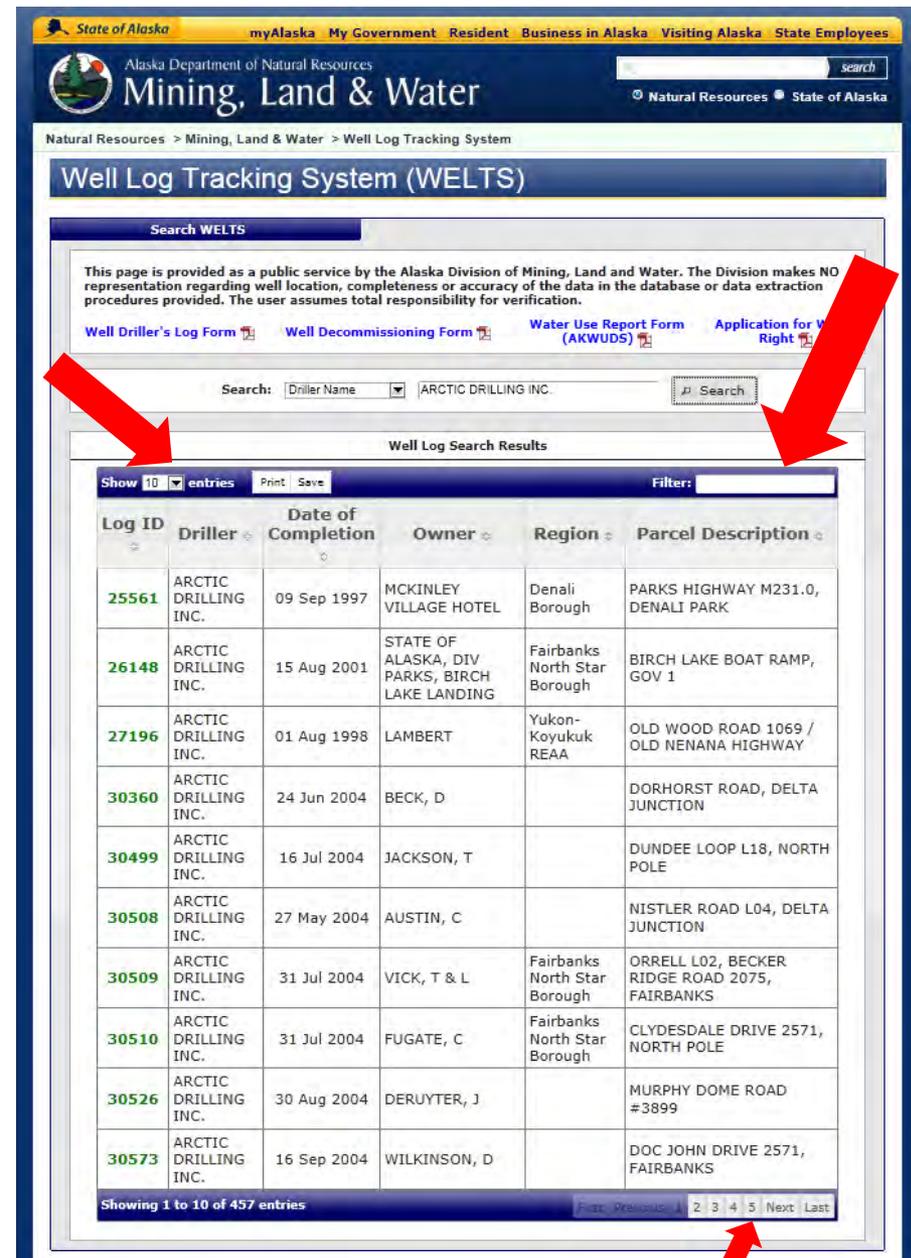
A screen similar to the one shown on the right will appear.

You may conduct an additional filter if you wish by typing an item (i.e. region, owner name) in the filter box.

You may also change the number of entries shown per page by clicking on the dropdown arrow.

You may also sort the data (ascending or descending) by clicking on the  icon

Additionally, one may scroll among the various pages as shown on the bottom menu



State of Alaska myALaska My Government Resident Business in Alaska Visiting Alaska State Employees

Alaska Department of Natural Resources
Mining, Land & Water

Natural Resources > Mining, Land & Water > Well Log Tracking System

Well Log Tracking System (WELTS)

Search WELTS

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[Well Driller's Log Form](#) [Well Decommissioning Form](#) [Water Use Report Form \(AKWUDS\)](#) [Application for Well Right](#)

Search: DrillerName ARCTIC DRILLING INC. Search

Well Log Search Results

Show 10 entries Print Save Filter:

Log ID	Driller	Date of Completion	Owner	Region	Parcel Description
25561	ARCTIC DRILLING INC.	09 Sep 1997	MCKINLEY VILLAGE HOTEL	Denali Borough	PARKS HIGHWAY M231.0, DENALI PARK
26148	ARCTIC DRILLING INC.	15 Aug 2001	STATE OF ALASKA, DIV PARKS, BIRCH LAKE LANDING	Fairbanks North Star Borough	BIRCH LAKE BOAT RAMP, GOV 1
27196	ARCTIC DRILLING INC.	01 Aug 1998	LAMBERT	Yukon-Koyukuk REAA	OLD WOOD ROAD 1069 / OLD NENANA HIGHWAY
30360	ARCTIC DRILLING INC.	24 Jun 2004	BECK, D		DORHORST ROAD, DELTA JUNCTION
30499	ARCTIC DRILLING INC.	16 Jul 2004	JACKSON, T		DUNDEE LOOP L18, NORTH POLE
30508	ARCTIC DRILLING INC.	27 May 2004	AUSTIN, C		NISTLER ROAD L04, DELTA JUNCTION
30509	ARCTIC DRILLING INC.	31 Jul 2004	VICK, T & L	Fairbanks North Star Borough	ORRELL L02, BECKER RIDGE ROAD 2075, FAIRBANKS
30510	ARCTIC DRILLING INC.	31 Jul 2004	FUGATE, C	Fairbanks North Star Borough	CLYDESDALE DRIVE 2571, NORTH POLE
30526	ARCTIC DRILLING INC.	30 Aug 2004	DERUYTER, J		MURPHY DOME ROAD #3899
30573	ARCTIC DRILLING INC.	16 Sep 2004	WILKINSON, D		DOC JOHN DRIVE 2571, FAIRBANKS

Showing 1 to 10 of 457 entries Page: Previous 2 3 4 5 Next Last

In this example, a location filter (i.e. goose) was used.

Additionally, the number of entries shown per page was reduced.

If one wants to look at the well file for a particular well, just click on the Log ID number.

State of Alaska myAlaska My Government Resident Business in Alaska Visiting Alaska State Employees

Alaska Department of Natural Resources
Mining, Land & Water

Natural Resources > Mining, Land & Water > Well Log Tracking System

Well Log Tracking System (WELTS)

Search WELTS

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[Well Driller's Log Form](#) [Well Decommissioning Form](#) [Water Use Report Form \(AKWUDS\)](#) [Application for Water](#)

Search: Driller Name Search

Well Log Search Results

Show 5 entries [Print](#) [Save](#) Filter:

Log ID	Driller	Date of Completion	Owner	Region	Parcel Description
34271	M-W DRILLING	07 Dec 2010	C-5, LLC	Matanuska-Susitna Borough	L A4, SOUTH KNIK GOOSE BAY ROAD 3950
32899	M-W DRILLING	04 Jun 2007	ANGEL, T	Matanuska-Susitna Borough	NEAR POINT MACKENZIE ROAD AND GOOSE CREEK ROAD
31699	M-W DRILLING	07 Dec 2005	FOREST OIL CORPORATION	Matanuska-Susitna Borough	POINT MACKENZIE, MIDDLE LAKE 1, KNIK GOOSEBAY ROAD
25919	M-W DRILLING	19 Sep 2001	DAVIS, T	Matanuska-Susitna Borough	KNIK GOOSE BAY ROAD M16.? A06

Showing 1 to 4 of 4 entries (filtered from 2,573 total entries)

A screen similar to the one on the right will appear. Please note that legacy data that was not entered into the old WELTS database will display “Not Available.” You may tab through the different layers of information that may have been manually entered into the old WELTS database.

Or, if you wish to view the well log file, which may have the legacy information included, click on the pdf icon.

The screenshot displays the Alaska Department of Natural Resources Mining, Land & Water Well Log Tracking System (WELTS) interface. The page title is "Well Log Tracking System (WELTS)" and the specific record is "Well Log 34271 Information". A "Return to Well Log Search" link is visible in the top left. The main content area is divided into several vertical tabs: "Owner Information", "Driller Information", "Location Information", "Well Data", and "Borehole Data". The "Owner Information" tab is currently selected, showing the following details:

Owner Information	
First name:	Not Available
Last name:	C-S, LLC
Address:	Not Available
City:	Not Available
State:	Not Available
Zip:	Not Available
Phone:	Not Available
Email:	Not Available

Two red arrows are overlaid on the image: one points to the "Well Log 34271" button in the top right corner, and the other points to the "Location Information" tab in the bottom right corner.

If you click on the well log file pdf icon, the well log will pop-up as shown on the right

M-W Drilling, Inc.

♦ P.O. Box 110389 ♦ Anchorage, AK 99511 ♦
♦ 907-345-4000 ♦ 907-345-3287 Fax ♦

Job No. 10-141

GROUNDWATER WELL AS-BUILT & LOG

Well Owner: C-5 LLC Use of Well: Public
 Legal Description: 3950 South Knik Goose Bay Road, Wasilla, Alaska 99654
Township 17N Range 2W Section 26 Lot A4

CONSTRUCTION

Drill Method: Air Rotary - casing hammer Hole Size & Depth: 136'
 Casing Size: 6" Cased to: 126.86' Material: ASTM A53 Wall: 0.250"
 Well Completion: Open end Screen X Perforated Method:
 Screen/Perforation description: K Packer & riser: 120 to 122.65', 0.040" slot 304 SSS screen to 127.9'; 0.030" slot to 133,' tail pipe to 134'
 Grout Notes: (3) Sack(s) of Bentonite, 10" casing installed to 20', pulled & grouted
 Well Development: Air surge
 Well Disinfected: Y/N Method:
 Yield test at GPM for hour(s) with of drawdown (DD) from static level(SWL).
 Method: Static Water Level (SWL): 73.8'
 Start Date: 12/03/10 Completion Date: 12/07/10
 Test Pump Date: Final Pump Install Date:

WELL LOG

Depth in feet from top of casing.	Details of formations penetrated, size of material, color and miscellaneous details.		
0 TO 3	Casing Stick Up		
3 TO 64	Sandy gravel		
64 TO 66	Clay: grey, black		
67 TO 69	Water gravel - 4 GPM		
69 TO 92	Clay: brown, silty, dry		
92 TO 118	Gravel: medium, sandy, damp		
118 TO 134	Water gravel: small to medium, slightly sandy		
134 TO 136	Sand: black, slightly gravelly, wet		
TO			

If a water right is associated with a particular well, you can view the water right information by clicking on the water right tab

The screenshot displays the Alaska Department of Natural Resources Mining, Land & Water website. The page title is "Well Log Tracking System (WELTS)". The main content area is titled "Well Log 26148 Information". At the top of this section, there are two tabs: "Well Log 26148" and "Water Right: LAS 23604". A red arrow points to the "Water Right: LAS 23604" tab. Below the tabs, there is a table with the following structure:

	Owner Information	Driller Information	Location Information	Well Data	Borehole Data
Owner Information	<p>First name: Not Available</p> <p>Last name: STATE OF ALASKA, DIV PARKS, BIRCH LAKE LANDING</p> <p>Address: Not Available</p> <p>City: Not Available</p> <p>State: Not Available</p> <p>Zip: Not Available</p> <p>Phone: Not Available</p> <p>Email: Not Available</p>				

A screen similar to the one on the right will appear.

The screenshot displays the Alaska Department of Natural Resources website interface. At the top, there is a navigation bar with links for 'myAlaska', 'My Government', 'Resident', 'Business in Alaska', 'Visiting Alaska', and 'State Employees'. Below this is the 'Alaska Department of Natural Resources' header with a search bar and a 'Natural Resources' logo. A secondary navigation bar includes 'LAS Menu', 'Case Abstract', 'Case Summary', 'Land Abstract', and 'Water Rights Information'. The main content area is titled 'Alaska DNR Case Detail' and shows the following information:

File Type: LAS **File Number:** 23604
 See Township, Range, Section and Acreage? Yes No

File: LAS 23604 [Search for Status Plat Updates](#)
 As of 03/15/2013

Customer: 000035829 DNR DOPOR STATEWIDE
 PARK DESIGN & CONSTRUCTION 550 W. 7TH AVE, STE 1340
 ANCHORAGE AK 995013565

Case Type: [801](#) WATER RIGHTS **DNR Unit:** 800 WATER
File Location: WFBX WATER MGT-FAIRBANKS
Case Status: 36 CERTIFICATE **Status Date:** 07/11/2002
ISSUED
Total Acres: 0.000 **Date Initiated:** 02/07/2001
Office of Primary Responsibility: WFBX WATER MGT-FAIRBANKS
Last Transaction Date: 02/20/2009 **Case Subtype:** [SUB](#) SUBSURFACE
Last Transaction: CHGSTCD CASE STATUS CODE CHANGED
Meridian: F **Township:** 007S **Range:** 006E **Section:** 18
Section Acres: 0 [Search Plats](#)

Case Actions

Transaction: INITIATE INITIATE CASE
Transaction Date: 02-07-2001 **Time:** 92142 **SubSystem ID:** CAS
Input Date: 11-01-2001 **User:** NPECKJO **Terminal:** X2UJ
STATUS DATE: 02-07-2001
LOCATION FROM: SCOWS SCDO WATER SECTION
LOCATION TO: SCOWS SCDO WATER SECTION
CASE STATUS: 10 APP ACPTD
OFFICE PRI RESP: WSCR WATER-SOUTHCNTRL REG

If one wishes to print or save a list of well logs, one may do so by clicking on the print or save button shown on the top menu bar.

State of Alaska myAlaska My Government Resident Business in Alaska Visiting Alaska State Employees

Alaska Department of Natural Resources
Mining, Land & Water

Natural Resources > Mining, Land & Water > Well Log Tracking System

Well Log Tracking System (WELTS)

Search WELTS

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[Well Driller's Log Form](#) [Well Decommissioning Form](#) [Water Use Report Form \(AKWUDS\)](#) [Application for Water Right](#)

Search: Driller Name ARCTIC DRILLING INC. Search

Well Log Search Results

Show 5 entries Print Save Filter: fairbanks

Log ID	Driller	Date of Completion	Owner	Region	Parcel Description
26148	ARCTIC DRILLING INC.	15 Aug 2001	STATE OF ALASKA, DIV PARKS, BIRCH LAKE LANDING	Fairbanks North Star Borough	BIRCH LAKE BOAT RAMP, GOV 1
30509	ARCTIC DRILLING INC.	31 Jul 2004	VICK, T & L	Fairbanks North Star Borough	ORRELL L02, BECKER RIDGE ROAD 2075, FAIRBANKS
30510	ARCTIC DRILLING INC.	31 Jul 2004	FUGATE, C	Fairbanks North Star Borough	CLYDESDALE DRIVE 2571, NORTH POLE
30573	ARCTIC DRILLING INC.	16 Sep 2004	WILKINSON, D		DOC JOHN DRIVE 2571, FAIRBANKS
30598	ARCTIC DRILLING INC.	29 Apr 2002	THEIS, J W	Fairbanks North Star Borough	BIRCHWILLOW L07 B1

Showing 1 to 5 of 196 entries (filtered from 457 total entries) 2 3 4 5 Next Last

After clicking on the print button, a message similar to the one shown on the right will appear.

Log ID	Driller	Date of Completion	Owner	Region	Parcel Description
26148	ARCTIC DRILLING INC.	15 Aug 2001	STATE OF ALASKA, DIV PARKS, BIRCH LAKE LANDING	Fairbanks North Star Borough	BIRCH LAKE BOAT RAMP, GOV 1
30509	ARCTIC DRILLING INC.	31 Jul 2004	VICK, T & L	Fairbanks North Star Borough	ORRELL L02, BECKER RIDGE ROAD 2075, FAIRBANKS
30510	ARCTIC DRILLING INC.	31 Jul 2004	FUGATE, C	Fairbanks North Star Borough	CLYDESDALE DRIVE 2571, NORTH POLE
30573	ARCTIC DRILLING INC.	16 Sep 2004	WILKINSON, D		DOC JOHN DRIVE 2571, FAIRBANKS
30598	ARCTIC DRILLING INC.	29 Apr 2002	THEIS, J W	Fairbanks North Star Borough	BIRCHWILLOW L07 B1

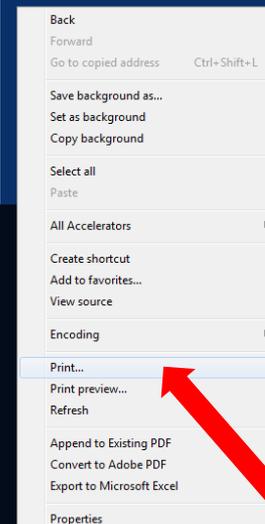
Press ESCAPE when finished.

Print view

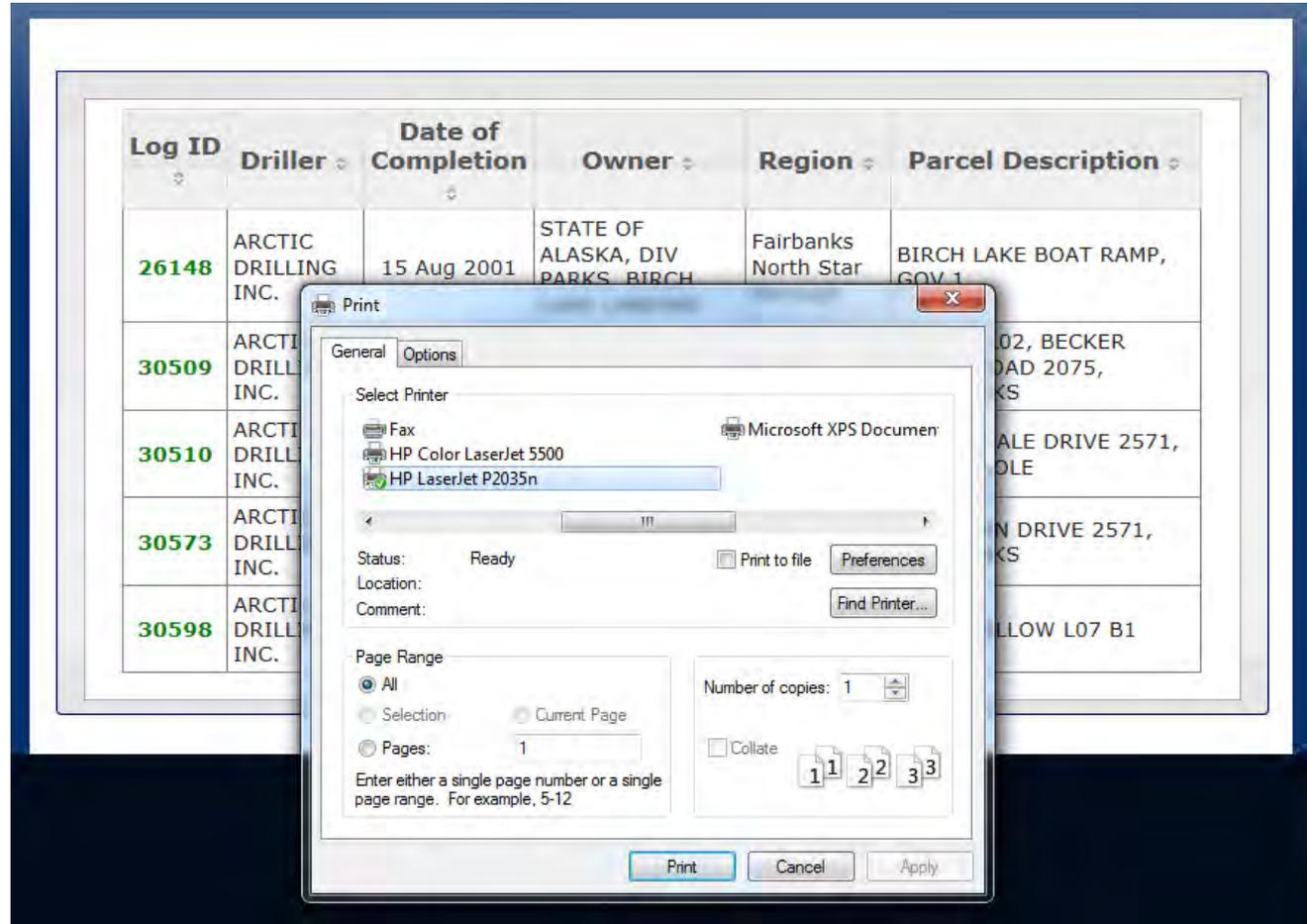
Please use your browser's print function to print this table.

To print, move the cursor over to the blue screen as shown on the right, and right-click the button on your mouse. Scroll down and select print.

Log ID	Driller	Date of Completion	Owner	Region	Parcel Description
26148	ARCTIC DRILLING INC.	15 Aug 2001	STATE OF ALASKA, DIV PARKS, BIRCH LAKE LANDING	Fairbanks North Star Borough	BIRCH LAKE BOAT RAMP, GOV 1
30509	ARCTIC DRILLING INC.	31 Jul 2004	VICK, T & L	Fairbanks North Star Borough	ORRELL L02, BECKER RIDGE ROAD 2075, FAIRBANKS
30510	ARCTIC DRILLING INC.	31 Jul 2004	FUGATE, C	Fairbanks North Star Borough	CLYDESDALE DRIVE 2571, NORTH POLE
30573	ARCTIC DRILLING INC.	16 Sep 2004	WILKINSON, D		DOC JOHN DRIVE 2571, FAIRBANKS
30598	ARCTIC DRILLING INC.	29 Apr 2002	THEIS, J W	Fairbanks North Star Borough	BIRCHWILLOW L07 B1



Your normal print menu will then pop-up as shown on the right.



To save, or electronically download the data, click the save button as shown in the figure to the right. A window will pop-up giving you the option to save as a csv, Excel, or pdf file.

The screenshot displays the 'Well Log Tracking System (WELTS)' interface. At the top, there is a navigation bar with links for 'State of Alaska', 'myAlaska', 'My Government', 'Resident', 'Business in Alaska', 'Visiting Alaska', and 'State Employees'. Below this is the 'Alaska Department of Natural Resources' logo and the title 'Mining, Land & Water'. A search bar is located in the top right corner.

The main content area is titled 'Well Log Tracking System (WELTS)' and includes a 'Search WELTS' section. A disclaimer states: 'This page is provided as a public service by the Alaska Division of Mining, Land and Water. The Division makes NO representation regarding well location, completeness or accuracy of the data in the database or data extraction procedures provided. The user assumes total responsibility for verification.' Below the disclaimer are links for 'Well Driller's Log Form', 'Well Decommissioning Form', 'Water Use Report Form (AKWUDS)', and 'Application for Water Right'.

The search results section, titled 'Well Log Search Results', shows a search for 'ARCTIC DRILLING INC.'. The results are displayed in a table with columns: Log ID, Driller, Completion Date, Region, and Parcel Description. A 'Show 5 entries' dropdown is set to '5', and a 'Filter: fairbanks' is applied. A 'Print Save' button is visible above the table. A dropdown menu is open over the 'Save' button, showing options for 'CSV', 'Excel', and 'PDF'.

Log ID	Driller	Completion Date	Region	Parcel Description
26148	ARCTIC DRILLING INC.	15 Aug 2001	Fairbanks North Star Borough	BIRCH LAKE BOAT RAMP, GOV 1
30509	ARCTIC DRILLING INC.	31 Jul 2004	Fairbanks North Star Borough	ORRELL L02, BECKER RIDGE ROAD 2075, FAIRBANKS
30510	ARCTIC DRILLING INC.	31 Jul 2004	Fairbanks North Star Borough	CLYDESDALE DRIVE 2571, NORTH POLE
30573	ARCTIC DRILLING INC.	16 Sep 2004		DOC JOHN DRIVE 2571, FAIRBANKS
30598	ARCTIC DRILLING INC.	29 Apr 2002	Fairbanks North Star Borough	BIRCHWILLOW L07 B1

Showing 1 to 5 of 196 entries (filtered from 457 total entries)

After you make your selection, a window will pop-up at the bottom of your screen.

Select the “save as” option

Your normal save window will pop-up, save the file to the desired location

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Alaska Department of Natural Resources
Mining, Land & Water

Natural Resources State of Alaska

Natural Resources > Mining, Land & Water > Well Log Tracking System

Well Log Tracking System (WELTS)

Search WELTS

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Well Driller's Log Form Well Decommissioning Form Water Use Report Form (AKWUDS) Application for Water Right

Search: Driller Name ARCTIC DRILLING INC. Search

Well Log Search Results

Show 5 entries Print Save Filter:

Log ID	Driller	Date of Completion	Owner	Region	Parcel Description
25561	ARCTIC DRILLING INC.	09 Sep 1997	MCKINLEY VILLAGE HOTEL	Denali Borough	PARKS HIGHWAY M231.0, DENALI PARK
26148	ARCTIC DRILLING INC.	15 Aug 2001	STATE OF ALASKA, DIV PARKS, BIRCH LAKE LANDING	Fairbanks North Star Borough	BIRCH LAKE BOAT RAMP, GOV 1
27196	ARCTIC DRILLING INC.	01 Aug 1998	LAMBERT	Yukon-Koyukuk REAA	OLD WOOD ROAD 1069 / OLD NENANA HIGHWAY
30360	ARCTIC DRILLING INC.	24 Jun 2004	BECK, D		DORHORST ROAD, DELTA JUNCTION
30499	ARCTIC DRILLING INC.	16 Jul 2004	JACKSON, T		DUNDEE LOOP L18, NORTH POLE

Showing 1 to 5 of 457 entries

Privacy Copyright System Status Webmaster

Department of Natural Resources
550 W. 7th Ave, Suite 1260, Anchorage, AK 99501-3557
Phone: 907-269-8400 | Fax: 907-269-8901 | TTY: 907-269-8411

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Do you want to open or save 5800CBD0_BF30_AC7F_93804EFAE5888CAD.xlsx from dnr.alaska.gov? Open Save Cancel

A few important items worth noting . . .

If you try to download more than 2,500 records at a time, you will receive the message shown on the right.

Should you need more than 2,500 records. Please submit your data requests via email to:

dnr.water.reports@alaska.gov

or you may contact the MLW WEBMASTER to submit your request

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Alaska Department of Natural Resources
Mining, Land & Water

Natural Resources > Mining, Land & Water > Well Log Tracking System

Well Log Tracking System (WELTS)

Search WELTS

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[Well Driller's Log Form](#) [Well Decommissioning Form](#) [Water Use Report Form \(AKWUDS\)](#) [Application for Water Right](#)

Sea search

Show 5 entries

Log ID	Driller	Date	Name	Borough	Description
38	KRAXBERG DRILLING				REA
165	KRAXBERG DRILLING				SON LOOP ROAD
171	KRAXBERG DRILLING				26 L10
172	KRAXBERGER DRILLING	13 Aug 1980	JONES, GARY N	Kenai Peninsula Borough	WHISPERWOOD L06 B4
182	KRAXBERGER DRILLING	01 Jan 1964	COLYER, DOUGLAS E	Kenai Peninsula Borough	CANNERY ROAD, KENAI

Showing 1 to 5 of 3,042 entries

2 3 4 5 Next Last

To many records!

Sorry, only recordsets of less than 2500 can be saved!

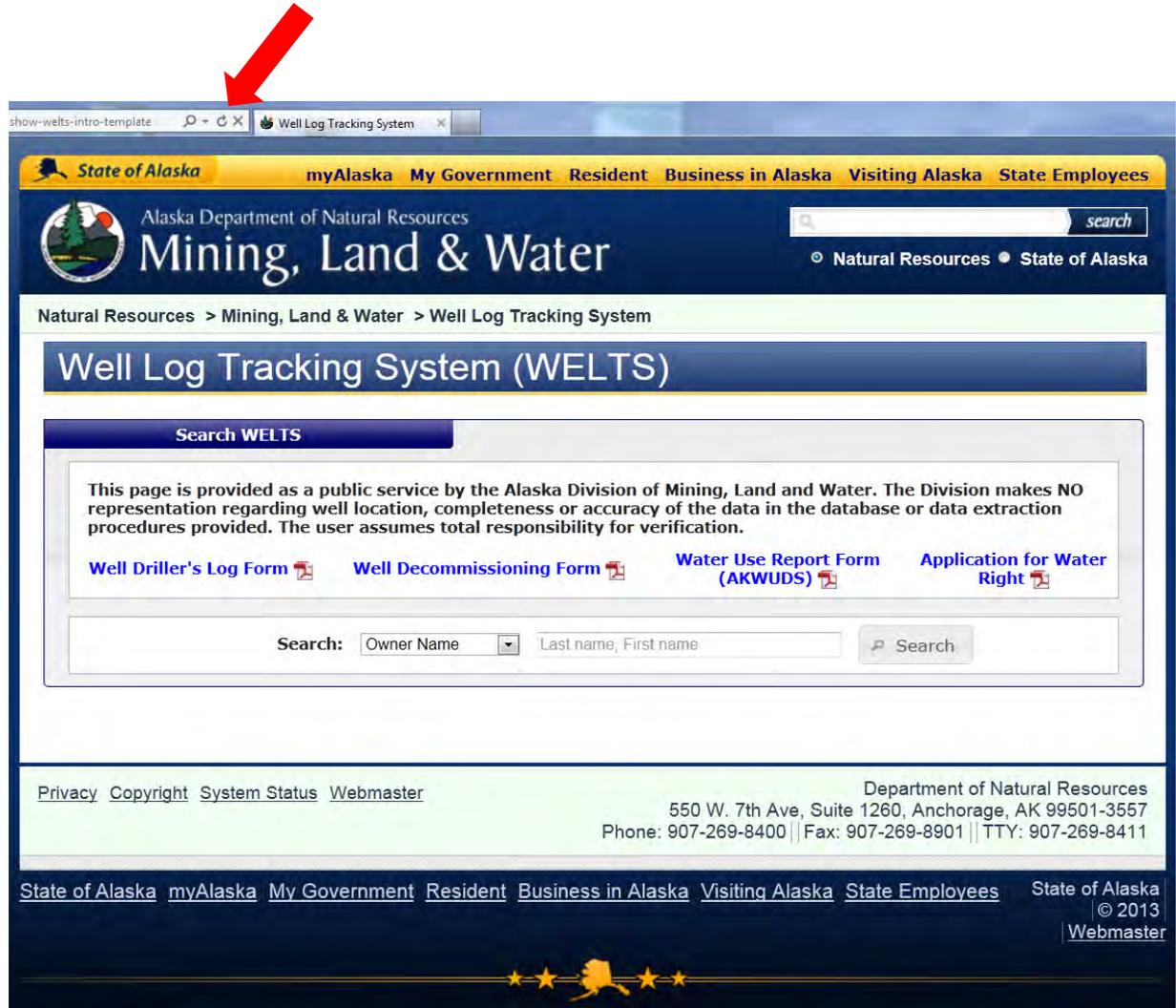
You are trying to save a recordset of 3042 records.

If you wish to have more than that saved, please contact [MLW Webmaster](#) and submit a request.

OK

Also, if you click on the next, last, or page number too quickly you may lock-up the system.

To unlock it, simply click on the refresh button at the top of the screen.



The screenshot shows a web browser window with two tabs. The active tab is titled "Well Log Tracking System" and has a red arrow pointing to the refresh button in the address bar. The browser's address bar shows "show-welts-intro-template". The website header includes the "State of Alaska" logo and navigation links: "myAlaska", "My Government", "Resident", "Business in Alaska", "Visiting Alaska", and "State Employees". Below the header is the "Alaska Department of Natural Resources" logo and the main title "Mining, Land & Water". A search bar is located in the top right corner. The main content area displays the breadcrumb "Natural Resources > Mining, Land & Water > Well Log Tracking System" and the title "Well Log Tracking System (WELTS)". A "Search WELTS" button is present. A disclaimer states: "This page is provided as a public service by the Alaska Division of Mining, Land and Water. The Division makes NO representation regarding well location, completeness or accuracy of the data in the database or data extraction procedures provided. The user assumes total responsibility for verification." Below the disclaimer are four links: "Well Driller's Log Form", "Well Decommissioning Form", "Water Use Report Form (AKWUDS)", and "Application for Water Right". A search form is located below the links, with a "Search:" label, a dropdown menu for "Owner Name", a text input for "Last name, First name", and a "Search" button. The footer contains links for "Privacy", "Copyright", "System Status", and "Webmaster", along with contact information for the Department of Natural Resources: "550 W. 7th Ave, Suite 1260, Anchorage, AK 99501-3557", "Phone: 907-269-8400", "Fax: 907-269-8901", and "TTY: 907-269-8411". The bottom of the page features a navigation bar with the same links as the header and the text "State of Alaska © 2013 Webmaster".

Component 2:

instructions for online reporting of water well logs

For online reporting of water well logs one must first set up an Account
this only needs to be completed once!

Information you will need to set up an account:

1. Company name
2. User name and password (user selects these)
3. Name of contact, business phone, and email
4. Business address

once an account is verified by an AHS hydrologist the user may
report water well logs online

To set up an account, select *Drillers* on the WELTS Application Homepage which is accessible at the url below:

<http://dnr.alaska.gov/mlw/welts/#/?page=show-welts-intro-template>

State of Alaska myAlaska My Government Resident Business in Alaska Visiting Alaska State Employees

Alaska Department of Natural Resources
Mining, Land & Water search

Natural Resources Intranet

Admin Login **Drillers**

Natural Resources > MLW > WELTS

Well Log Tracking System (WELTS)

Search WELTS

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[Well Driller's Log Form](#) [Well Decommissioning Form](#) [Water Use Report Form \(AKWUDS\)](#) [Application for Water Right](#)

[WELTS User Guide](#) Search:

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550 W. 7th Ave, Suite 1260, Anchorage, AK 99501-3557
Phone: 907-269-8400 || Fax: 907-269-8901 || TTY: 907-269-8411

then click on *Register as a Driller*

The screenshot shows the WELTS Login page. At the top, there is a yellow navigation bar with the State of Alaska logo and links for myAlaska, My Government, Resident, Business in Alaska, Visiting Alaska, and State Employees. Below this is a dark blue header with the Alaska Department of Natural Resources logo and the text 'Mining, Land & Water'. A search bar is located on the right side of the header. The main content area has a blue banner that reads 'WELTS - Login'. Below the banner is a login form titled 'Please enter your credentials'. The form contains two input fields: 'Username' and 'Password'. Below these fields are two buttons: 'Login' and 'Register as a Driller'. A red arrow points to the 'Register as a Driller' link. At the bottom of the form, there are two links: 'Forgot password?' and 'Forgot Username?'. The footer of the page contains links for Privacy, Copyright, System Status, and Webmaster, along with contact information for the Department of Natural Resources.

enter company name (please note this information will appear on the generated well log)

State of Alaska myAlaska My Government Resident Business in Alaska Visiting Alaska State Employees

Alaska Department of Natural Resources
Mining, Land & Water search Natural Resources Intranet

Admin Login Drillers

Natural Resources > MLW > WELTS

New Driller Registration

Driller Registration

Enter your company name.

Company Name:

[Privacy](#) [Copyright](#) [System Status](#) [Webmaster](#) Department of Natural Resources
550 W. 7th Ave, Suite 1260, Anchorage, AK 99501-3557
Phone: 907-269-8400 || Fax: 907-269-8901 || TTY: 907-269-8411

enter your preferred username & password

State of Alaska myAlaska My Government Resident Business in Alaska Visiting Alaska State Employees

Alaska Department of Natural Resources
Mining, Land & Water search

Natural Resources Intranet

Admin Login **Drillers**

Natural Resources > MLW > WELTS

New Driller Registration

Driller Registration

Username:

Password:

Re-enter Password:

[Privacy](#) [Copyright](#) [System Status](#) [Webmaster](#)

Department of Natural Resources
550 W. 7th Ave, Suite 1260, Anchorage, AK 99501-3557
Phone: 907-269-8400 || Fax: 907-269-8901 || TTY: 907-269-8411

enter business contact information (please note this information will appear on the generated well log)

State of Alaska myAlaska My Government Resident Business in Alaska Visiting Alaska State Employees

Alaska Department of Natural Resources
Mining, Land & Water search
Natural Resources Intranet

Admin Login Drillers

Natural Resources > MLW > WELTS

New Driller Registration

Driller Registration

First Name:

Middle Initial:

Last Name:

Email:

Day Phone:

Alt Phone:

Fax:

[Privacy](#) [Copyright](#) [System Status](#) [Webmaster](#)

Department of Natural Resources
550 W. 7th Ave, Suite 1260, Anchorage, AK 99501-3557
Phone: 907-269-8400 || Fax: 907-269-8901 || TTY: 907-269-8411

enter business address (please note this information will appear on the generated well log)

State of Alaska myAlaska My Government Resident Business in Alaska Visiting Alaska State Employees

Alaska Department of Natural Resources
Mining, Land & Water search Natural Resources Intranet

Admin Login Drillers

Natural Resources > MLW > WELTS

New Driller Registration

Driller Registration

Driller Address:

City:

State: 

Zip:

[Privacy](#) [Copyright](#) [System Status](#) [Webmaster](#)

Department of Natural Resources
550 W. 7th Ave, Suite 1260, Anchorage, AK 99501-3557
Phone: 907-269-8400 || Fax: 907-269-8901 || TTY: 907-269-8411

verify business information is correct and select *register*

Alaska Department of Natural Resources
Mining, Land & Water
Natural Resources Intranet

Admin Login Drillers

Natural Resources > MLW > WELTS

New Driller Registration

Driller Registration

Please verify your information below.

Enter your company name.
Company Name:

Username:
Password:
Re-enter Password:

First Name:
Middle Initial:
Last Name:
Email:
Day Phone:
Alt Phone:
Fax:

Driller Address:
City:
State:
Zip:

you will receive a confirmation window, click on *ok*

New Driller Registration

You have successfully registered a driller account for the Alaska Division of Mining, Land & Water - WELTS. Your account is currently pending review. Upon approval, you will receive a confirmation email with instructions to login to your driller account.

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Department of Natural Resources
550 W. 7th Ave, Suite 1260, Anchorage, AK 99501-3557
Phone: 907-269-8400 || Fax: 907-269-8901 || TTY: 907-269-8411

[State of Alaska](#) [myAlaska](#) [My Government](#) [Resident](#) [Business in Alaska](#) [Visiting Alaska](#) [State Employees](#)

State of Alaska || © 2016 || [Webmaster](#)



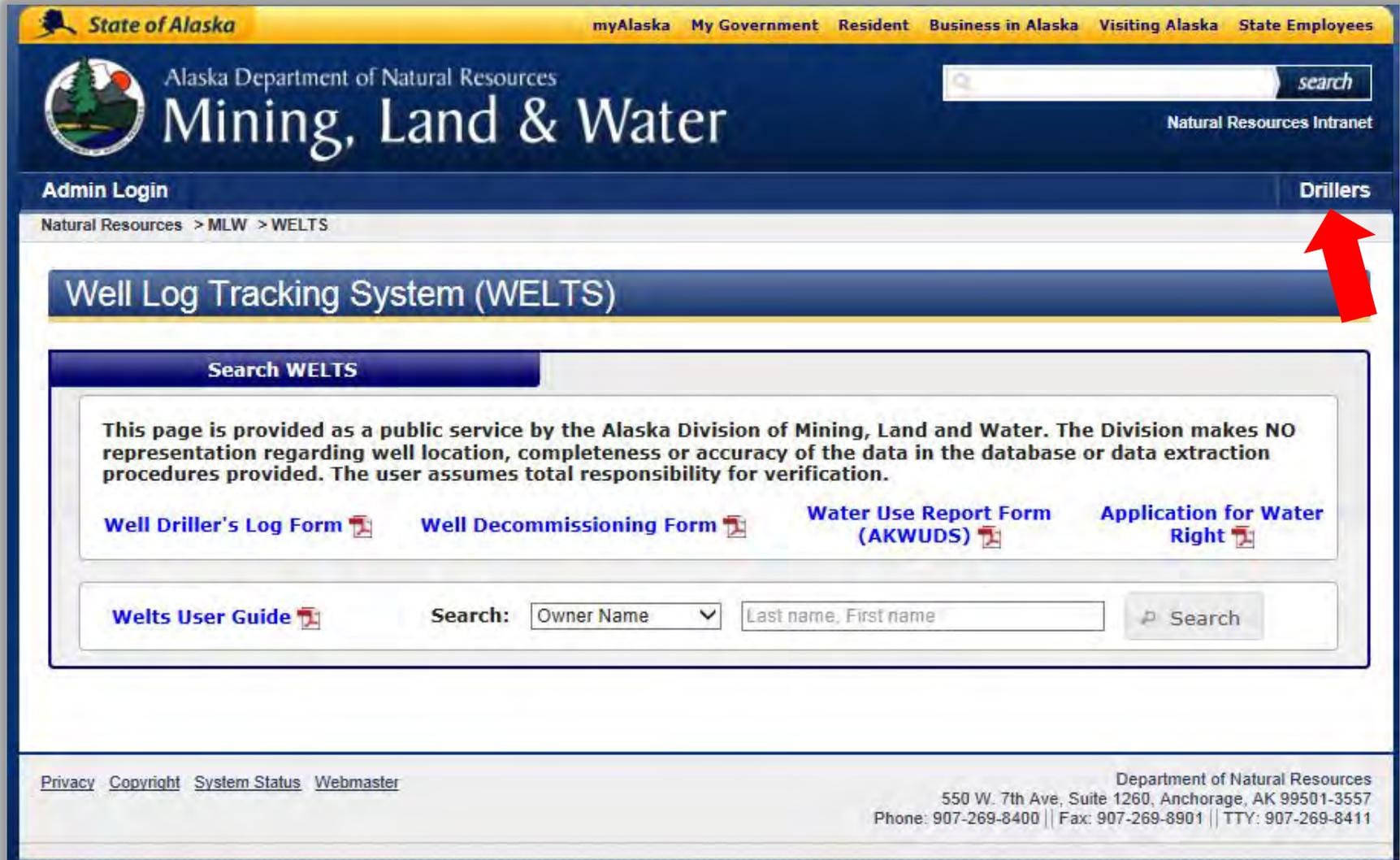
Driller Account Successfully Submitted!

OK



After the Driller Account is Approved by AHS
one may proceed to Login at WELTS homepage

<http://dnr.alaska.gov/mlw/welts/#/?page=show-welts-intro-template>



The screenshot shows the homepage of the Well Log Tracking System (WELTS). At the top, there is a yellow navigation bar for the State of Alaska with links for myAlaska, My Government, Resident, Business in Alaska, Visiting Alaska, and State Employees. Below this is the Alaska Department of Natural Resources logo and the text 'Mining, Land & Water'. A search bar is located in the top right corner. The main navigation bar includes 'Admin Login' and 'Drillers', with a red arrow pointing to the 'Drillers' link. The breadcrumb trail reads 'Natural Resources > MLW > WELTS'. The main heading is 'Well Log Tracking System (WELTS)'. Below this is a 'Search WELTS' section containing a disclaimer: 'This page is provided as a public service by the Alaska Division of Mining, Land and Water. The Division makes NO representation regarding well location, completeness or accuracy of the data in the database or data extraction procedures provided. The user assumes total responsibility for verification.' There are four links for forms: 'Well Driller's Log Form', 'Well Decommissioning Form', 'Water Use Report Form (AKWUDS)', and 'Application for Water Right'. At the bottom of the search section, there is a 'WELTS User Guide' link and a search box with a dropdown menu set to 'Owner Name' and a search button. The footer contains links for Privacy, Copyright, System Status, and Webmaster, along with contact information for the Department of Natural Resources.

one may report water well logs by entering the username & password, then clicking on *Login*

The screenshot shows the 'WELTS - Login' page. At the top, there is a yellow navigation bar with 'State of Alaska' and links for 'myAlaska', 'My Government', 'Resident', 'Business in Alaska', 'Visiting Alaska', and 'State Employees'. Below this is a dark blue header with the Alaska Department of Natural Resources logo and the text 'Mining, Land & Water'. A search bar is located in the top right corner. The main content area has a breadcrumb trail: 'Natural Resources > MLW > WELTS'. A large blue banner reads 'WELTS - Login'. The central focus is a login form titled 'Please enter your credentials'. It contains two input fields: 'Username' with the text 'JaneDoe' and 'Password' with six dots. Below the password field is a 'Login' button, which is highlighted by a red arrow. To the left of the 'Login' button is a link that says 'Register as a Driller'. At the bottom of the form are two links: 'Forgot password?' and 'Forgot Username?'. The footer contains links for 'Privacy', 'Copyright', 'System Status', and 'Webmaster', along with contact information for the Department of Natural Resources: '550 W. 7th Ave, Suite 1260, Anchorage, AK 99501-3557', 'Phone: 907-269-8400 || Fax: 907-269-8901 || TTY: 907-269-8411'.

once you are logged in – you may search your well logs or report a water well log by selecting *Create Log*

The screenshot displays the Alaska Department of Natural Resources website. The header includes the state logo and navigation links for myAlaska, My Government, Resident, Business in Alaska, Visiting Alaska, and State Employees. The main navigation bar features the department's logo and the text "Mining, Land & Water". A search bar is located in the top right corner. Below the navigation bar, there is a "My Well logs" section and a "Natural Resources > MLW > WELTS" breadcrumb trail. The "AHS Drilling" link is highlighted with a red arrow. The main content area is titled "AHS Drilling - Manage Well Logs" and contains a "Create/Update/Delete Well logs" section. This section includes links for "Well Driller's Log Form", "Well Decommissioning Form", "Water Use Report Form (AKWUDS)", and "Application for Water Right". Below these links, there is a search area with the text "Find One of Your Well Logs to Manage" and "Search ALL Well logs". The search area includes a "Create Log" button, a search dropdown menu set to "All Your Well Logs", and a "Search" button. A red arrow points to the "Create Log" button, and another red arrow points to the search dropdown menu. The footer contains links for Privacy, Copyright, System Status, and Webmaster, along with contact information for the Department of Natural Resources.

to report a water well log select *Owner Information* tab
& enter owner's information

Alaska Department of Natural Resources
Mining, Land & Water
Natural Resources Intranet

My Well logs AHS Drilling

Natural Resources > MLW > WELTS

AHS Drilling - Manage Well Logs

Create New Well Log.

[Return to Well Log Search](#) [Upload Well Log PDF](#) [Update Water Right](#)

Owner Information

*Last name: Builders R Us

First name:

Address:

City:

State: ALASKA

Zip:

Phone:

Email:

Driller Information

Location Information

Well Data

Borehole Data

* Indicates a required field

Submit

When one selects the *Driller Information* tab it should automatically be populated – no need to enter information

Alaska Department of Natural Resources
Mining, Land & Water
Natural Resources Intranet

My Well logs AHS Drilling

Natural Resources > MLW > WELTS

AHS Drilling - Manage Well Logs

[Create New Well Log.](#)

[Return to Well Log Search](#) [Upload Well Log PDF](#) [Update Water Right](#)

Owner Information	Driller Information	Location Information	Well Data	Borehole Data
	<p>* Company Name: AHS Drilling</p> <p>Driller Name: First: Jane M.I. Last: Doe</p> <p>Address: 550 W. 7th Ave</p> <p>City: Anchorage</p> <p>State: AK</p> <p>Zip: 99501</p> <p>Day Phone: 9072698646</p> <p>Alt Phone: 9072698646</p> <p>Fax: Not Available</p> <p>Email: janedoe@gci.net</p>			

* Indicates a required field

then select the *Location Information* tab

there are a couple of ways to populate this tab – we will look at 2 examples

Example 1 – suppose that one is drilling a well in the Municipality of Anchorage (adjacent to the Atwood Bldg) but don't have a GPS. Select the Municipality of Anchorage (MOA) from the drop-down menu shown for REAA/Borough. Then select the *use a map* icon shown below:

The screenshot displays the 'AHS Drilling - Manage Well Logs' interface. At the top, there is a search bar and navigation links for 'My Well logs' and 'AHS Drilling'. The main content area is titled 'AHS Drilling - Manage Well Logs' and includes a 'Create New Well Log.' button. Below this, there are links for 'Return to Well Log Search', 'Upload Well Log PDF', and 'Update Water Right'. The 'Location Information' tab is active, showing fields for 'Latitude:', 'Longitude:', 'Parcel Location', and 'MTRS'. The 'Parcel Location' section includes a 'REAA/Borough:' dropdown menu, 'Nearest City:', 'Subdivision:', 'Lot:', 'Block:', and 'Tract:' fields. The 'MTRS' section includes 'Meridian:', 'Township:', 'Range:', 'Section:', and 'Quarter Sections:' fields. A 'Use a map!' link is located at the top right of the 'Location Information' section. Red arrows point to the 'REAA/Borough:' dropdown menu and the 'Use a map!' link. A legend at the bottom indicates that an asterisk (*) denotes required fields.

Location Information tab con't.

the map window appears and the selected MOA is highlighted, select the zoom in icon (+) to zoom in to the location of the drilled well

The screenshot shows the Alaska Department of Natural Resources Mining, Land & Water website. The page title is "AHS Drilling - Manage Well Logs". The interface includes a search bar, a "My Well logs" section, and a "Create New Well Log." button. The "Location Information" tab is selected, showing a map of Alaska with a red arrow pointing to a highlighted area. Another red arrow points to the zoom in (+) icon in the map's toolbar. The map also shows "Open Street Map" and "United States of America" labels. The page includes a "Submit" button and a note: "* Indicates one of these fields are required".

Location Information tab con't.

users also have the option to change the basemap (several options are available and may be accessed by selecting the drop-down menu)

The screenshot displays the Alaska Department of Natural Resources Mining, Land & Water website. The header includes the department logo, the text "Alaska Department of Natural Resources Mining, Land & Water", a search bar, and "Natural Resources Intranet". The main navigation bar contains "My Well logs" and "AHS Drilling". The page title is "AHS Drilling - Manage Well Logs".

The interface features a "Create New Well Log." button and a "Return to Well Log Search" link. There are also links for "Upload Well Log PDF" and "Update Water Right". The central area is a form with several tabs: "Owner Information", "Driller Information", "Location Information", "Well Data", and "Borehole Data". The "Location Information" tab is active, showing a map of Anchorage. A red arrow points to a dropdown menu labeled "Open Street Map" in the top right corner of the map area. Below the map, there is a "Submit" button and a note: "* Indicates one of these fields are required".

Location Information tab con't.

click on the drilled well location and then select the *click here when done* icon

The screenshot shows the Alaska Department of Natural Resources Mining, Land & Water website. The header includes the department logo, name, and a search bar. The main navigation bar shows 'My Well logs' and 'AHS Drilling'. The breadcrumb trail is 'Natural Resources > MLW > WELTS'. The page title is 'AHS Drilling - Manage Well Logs'. Below the title is a 'Create New Well Log.' button. The main content area has a 'Return to Well Log Search' link and two buttons: 'Upload Well Log PDF' and 'Update Water Right'. The 'Location Information' tab is selected, showing an aerial map of a city area. A yellow pin is placed on the map, and a red arrow points to a blue icon labeled 'Click here when done.' in the top left corner of the map area. The map also shows a dropdown menu for 'SDMI BDL'. The left sidebar contains 'Owner Information', 'Driller Information', and 'Location Information'. The right sidebar contains 'Well Data' and 'Borehole Data'. At the bottom, there is a legend: '* Indicates one of these fields are required' and a 'Submit' button.

Location Information tab con't.

the window shown below will pop-up and ask the user to confirm using the mapped location, select yes

The screenshot displays the Alaska Department of Natural Resources Mining, Land & Water website. The page title is "AHS Drilling - Manage Well Logs". A confirmation dialog box titled "Attention!" is overlaid on a satellite map. The dialog box contains the text "Use the location data from the currently mapped location?" and three buttons: "Yes", "No", and "Cancel". A red arrow points to the "Yes" button. The background map shows an aerial view of a city area with a yellow dot indicating a location. The website header includes the logo and text "Alaska Department of Natural Resources Mining, Land & Water". The page also features a search bar, "My Well logs", "AHS Drilling", and navigation links like "Return to Well Log Search", "Upload Well Log PDF", and "Update Water Right". A "Submit" button is visible at the bottom right of the form area.

Location Information tab con't.

note that the latitude, longitude nearest city and MTRS will automatically be populated however, the user will need to enter the subdivision, lot, block and/or address. If this information is not known enter NONE

Alaska Department of Natural Resources
Mining, Land & Water
Natural Resources Intranet

My Well logs AHS Drilling

Natural Resources > MLW > WELTS

AHS Drilling - Manage Well Logs

Create New Well Log.

[Return to Well Log Search](#) [Upload Well Log PDF](#) [Update Water Right](#)

Location Information [Use a map!](#)

Latitude: 61.215242996893096	Longitude: -149.89231109619138
Parcel Location	MTRS
REAA/Borough: Municipality of Anchorage	Meridian: Seward
Nearest City: Anchorage	Township: 013N
Subdivision:	Range: 003W
Lot:	Section: 18
Block:	Quarter Sections: SW of NE of NW of SW of
Tract:	
*Misc. Parcel Information/Description	
[address information would go here]	

* Indicates one of these fields are required

Location Information tab con't.

Example 2 – suppose the user drilled a well in the Municipality of Anchorage (adjacent to the Atwood Bldg) and have a GPS or smart phone – enter the latitude and longitude (please add a negative sign in front of the longitude coordinate so that it appears in the correct hemisphere) then click on the *Use a map icon*

The screenshot shows the 'AHS Drilling - Manage Well Logs' interface. At the top, there is a search bar and the text 'Natural Resources Intranet'. Below that, a navigation bar includes 'My Well logs' and 'AHS Drilling'. The main content area is titled 'AHS Drilling - Manage Well Logs' and contains a 'Create New Well Log.' button. Below this, there are links for 'Return to Well Log Search', 'Upload Well Log PDF', and 'Update Water Right'. The 'Location Information' tab is selected, and it contains several input fields: 'Latitude: 61.21524', 'Longitude: -149.892311', 'Parcel Location' (with sub-fields for REAA/Borough, Nearest City, Subdivision, Lot, Block, and Tract), and 'MTRS' (with sub-fields for Meridian, Township, Range, Section, and Quarter Sections). A 'Use a map!' link is located to the right of the 'Location Information' header. Two red arrows point to the 'Latitude' and 'Longitude' input fields. A legend at the bottom indicates that an asterisk (*) denotes required fields. A 'Submit' button is at the bottom right.

Location Information tab con't.

verify that the location for the coordinates entered appears correct, zoom in if necessary by selecting the (+) icon

The screenshot shows the Alaska Department of Natural Resources Mining, Land & Water website. The page title is "AHS Drilling - Manage Well Logs". The interface includes a search bar, a "My Well logs" section, and a "Create New Well Log." button. The main content area is divided into several tabs: "Owner Information", "Driller Information", "Location Information" (which is selected), "Well Data", and "Borehole Data". The "Location Information" tab displays a satellite map with a yellow location pin. A red arrow points to a zoom-in (+) icon in the top-left corner of the map. Above the map, there is a search bar with the text "Click here when done." and a dropdown menu showing "SDMI BDL". Below the map, there is a "Submit" button and a note: "Indicates one of these fields are required".

Location Information tab con't.

select the *Click here when done* icon

The screenshot shows the Alaska Department of Natural Resources Mining, Land & Water website. The page title is "AHS Drilling - Manage Well Logs". The form is titled "Create New Well Log." and includes a "Return to Well Log Search" button, "Upload Well Log PDF" and "Update Water Right" buttons, and a "Submit" button at the bottom. The form has several tabs: "Owner Information", "Driller Information", "Location Information" (which is highlighted), "Well Data", and "Borehole Data". The "Location Information" tab contains an aerial map with a yellow location pin and a search icon. Above the map is a blue button labeled "Click here when done." with a red arrow pointing to it. A dropdown menu labeled "SDMI BDL" is visible in the top right corner of the map area. A legend at the bottom left of the form states: "* Indicates one of these fields are required".

Location Information tab con't.

the window shown below will pop-up and ask the user to confirm using the mapped location, select yes

The screenshot displays the Alaska Department of Natural Resources Mining, Land & Water website. The page title is "AHS Drilling - Manage Well Logs". A confirmation dialog box titled "Attention!" is overlaid on a satellite map, asking "Use the location data from the currently mapped location?". The dialog box has three buttons: "Yes", "No", and "Cancel". A red arrow points to the "Yes" button. The background map shows an aerial view of a building complex. The website header includes the Alaska Department of Natural Resources logo and the text "Mining, Land & Water". The page also features a search bar, "My Well logs" link, and "AHS Drilling" gear icon. The main content area has a "Create New Well Log." button and a "Return to Well Log Search" link. The map area is surrounded by vertical tabs for "Owner Information", "Driller Information", "Location Information", "Well Data", and "Borehole Data". A "Submit" button is located at the bottom right of the form area.

Location Information tab con't.

note that the nearest borough, city and MTRS will automatically be populated however, the user will need to enter the subdivision, lot, block, and/or address. If this information is not known enter NONE

Alaska Department of Natural Resources
Mining, Land & Water
Natural Resources Intranet

My Well logs AHS Drilling

Natural Resources > MLW > WELTS

AHS Drilling - Manage Well Logs

Create New Well Log.

[Return to Well Log Search](#) [Upload Well Log PDF](#) [Update Water Right](#)

Location Information [Use a map!](#)

Latitude: 61.215242996893096	Longitude: -149.89231109619138
Parcel Location	MTRS
REAA/Borough: Municipality of Anchorage	Meridian: Seward
Nearest City: Anchorage	Township: 013N
Subdivision:	Range: 003W
Lot:	Section: 18
Block:	Quarter Sections: SW of NE of NW of SW
Tract:	
Misc. Parcel Information/Description	
[address information would go here]	

* Indicates one of these fields are required

Submit

Select *Well Data* tab

then select *general well info* tab and enter requested information

Alaska Department of Natural Resources
Mining, Land & Water
Natural Resources Intranet

My Well logs AHS Drilling

Natural Resources > MLW > WELTS

AHS Drilling - Manage Well Logs

Create New Well Log.

[Return to Well Log Search](#) [Upload Well Log PDF](#) [Update Water Right](#)

Well Data

Drilling Started: 17 Nov 2015 Drilling Completed: 24 Feb 2016

General Well info

Drilling Method: Air Rotary
Well Use: Domestic
Depth of Hole: 202.5 ft. Depth to Bedrock: 90.5 ft.
Driller comments/disclaimers:

Well Intake info
Well Casing info
Water Pumping info
Grout info
Well Pump info
Disinfection info

Owner Information
Driller Information
Location Information
Well Data
Borehole Data

Well Data tab con't.

Select *well intake info* tab and enter requested information – note that one can scroll down to see the full page

The screenshot displays the 'AHS Drilling - Manage Well Logs' interface. At the top, there is a navigation bar with the Alaska Department of Natural Resources logo and the text 'Mining, Land & Water'. Below this, a breadcrumb trail reads 'Natural Resources > MLW > WELTS'. The main content area is titled 'AHS Drilling - Manage Well Logs' and contains a 'Create New Well Log.' button. A 'Return to Well Log Search' link is visible, along with 'Upload Well Log PDF' and 'Update Water Right' options. The 'Well Data' section is active, showing 'Drilling Started: 17 Nov 2015' and 'Drilling Completed: 24 Feb 2016'. The 'Well Intake info' tab is selected and expanded, revealing several input fields: 'Well Intake opening type' (set to 'Open Hole'), 'Screen type', 'Screen mesh size', 'Screen start depth', and 'Screen stop depth'. A red arrow points to the vertical scroll bar on the right side of the 'Well Intake info' section. At the bottom, a legend indicates '* Indicates a required field' and a 'Submit' button is present.

Well Data tab con't.

Select *well casing info* tab and enter requested information – note that one can scroll down to see the full page

Alaska Department of Natural Resources
Mining, Land & Water
Natural Resources Intranet

My Well logs AHS Drilling

Natural Resources > MLW > WELTS

AHS Drilling - Manage Well Logs

Create New Well Log.

[Return to Well Log Search](#) [Upload Well Log PDF](#) [Update Water Right](#)

Owner Information

Driller Information

Location Information

Well Data

Borehole Data

Well Data

Drilling Started: 17 Nov 2015 Drilling Completed: 24 Feb 2016

General Well info

Well Intake info

Well Casing info

Casing Type: STEEL	Casing Stickup: 2.5 ft.
Casing Thickness: 0.250 inches	Casing Diameter: 6 inches
Casing Depth: 97.5 ft.	
Liner Type: PVC	Liner Diameter: 5 inches

Water Pumping info

Grout info

Well Pump info

Disinfection info

* Indicates a required field Submit

Well Data tab con't.

select *water pumping info* tab and enter requested information – note that one can scroll down to see the full page

The screenshot shows the 'AHS Drilling - Manage Well Logs' interface. The 'Well Data' section is active, and the 'Water Pumping info' tab is selected. The form contains the following fields:

- Drilling Started:** 17 Nov 2015
- Drilling Completed:** 24 Feb 2016
- Static water depth (from top of casing):** 152 ft, taken on 24 Nov 2015
- Artesian well?**
- Pumping Level & Yield:** 190 ft, after 2 hours at 14 gpm
- Recovery rate:** 14 gpm
- Method of Testing:** PUMP

A red arrow points to the scroll bar on the right side of the form, indicating that the user can scroll down to see the full page of information.

* Indicates a required field

Submit

Well Data tab con't.

select *grout info* tab and enter requested information

Alaska Department of Natural Resources
Mining, Land & Water
Natural Resources Intranet

My Well logs AHS Drilling

Natural Resources > MLW > WELTS

AHS Drilling - Manage Well Logs

[Return to Well Log Search](#) [Upload Well Log PDF](#) [Update Water Right](#)

Owner Information

Driller Information

Location Information

Well Data

Borehole Data

Well Data
Drilling Started: 17 Nov 2015 **Drilling Completed:** 24 Feb 2016

- ▶ General Well info
- ▶ Well Intake info
- ▶ Well Casing info
- ▶ Water Pumping info
- ▼ **Grout info**
- ▶ Well Pump info
- ▶ Disinfection info

Grout: **Type:** GRANULAR BENTONITE

Volume: 8 CUBIC FT

Depth: From: 0 ft. To: 10 ft.

* Indicates a required field Submit

Well Data tab con't.

select *well pump info* tab and enter requested information

The screenshot shows the 'AHS Drilling - Manage Well Logs' interface. At the top, there is a search bar and the text 'Natural Resources Intranet'. Below that, a navigation bar includes 'My Well logs' and 'AHS Drilling'. The main content area is titled 'AHS Drilling - Manage Well Logs' and contains a 'Create New Well Log.' button. Below this, there are links for 'Return to Well Log Search', 'Upload Well Log PDF', and 'Update Water Right'. The central panel is divided into several tabs: 'Owner Information', 'Driller Information', 'Location Information', 'Well Data', and 'Borehole Data'. The 'Well Data' tab is active and shows 'Drilling Started: 17 Nov 2015' and 'Drilling Completed: 24 Feb 2016'. Underneath, there are several expandable sections: 'General Well info', 'Well Intake info', 'Well Casing info', 'Water Pumping info', 'Grout info', 'Well Pump info' (which is expanded), and 'Disinfection info'. The 'Well Pump info' section contains two input fields: 'Pump intake depth: 190 ft.' and 'Pump size: 0.5 hp'. A legend at the bottom left states '* Indicates a required field'. A 'Submit' button is located at the bottom right.

Well Data tab con't.

select *disinfection info* tab and enter requested information

The screenshot displays the 'AHS Drilling - Manage Well Logs' interface. At the top, there is a navigation bar with the Alaska Department of Natural Resources logo and the text 'Mining, Land & Water'. Below this, a search bar and 'Natural Resources Intranet' are visible. The main content area is titled 'AHS Drilling - Manage Well Logs' and includes a 'Create New Well Log.' button. A navigation menu on the left lists 'Owner Information', 'Driller Information', 'Location Information', and 'Well Data' (which is highlighted). On the right, a 'Borehole Data' section is partially visible. The 'Well Data' section contains a form with the following fields:

- Drilling Started:** 17 Nov 2015
- Drilling Completed:** 24 Feb 2016
- General Well info**
- Well Intake info**
- Well Casing info**
- Water Pumping info**
- Grout info**
- Well Pump info**
- Disinfection info** (selected tab)
 - Well disinfected upon completion:** Yes
 - Method of Disinfection:** chlorine liquid

At the bottom left, a legend indicates '* Indicates a required field'. A 'Submit' button is located at the bottom right.

Select *Borehole Data* tab

one may enter lithology & depth information by selecting the (+) icon (please note the lithology should be reported with reference to ground surface, and not from top of casing, one may also edit or delete a previously entered lithology by selecting the pencil (✎) icon or the delete (✕) icon - select the submit tab to report the information

Alaska Department of Natural Resources
Mining, Land & Water
Natural Resources Intranet

My Well logs AHS Drilling

Natural Resources > MLW > WELTS

AHS Drilling - Manage Well Logs

Create New Well Log.

Return to Well Log Search Upload Well Log PDF Update Water Right

Owner Information	Driller Information	Location Information	Well Data	Borehole Data
				Borehole Data: (from ground surface)
				<input type="checkbox"/> Depth: 0ft. to 1.5ft. ✎ ✕
				<input type="checkbox"/> Depth: 1.5ft. to 30.5ft. ✎ ✕
				<input type="checkbox"/> Depth: 30.5ft. to 38.5ft. ✎ ✕
				<input type="checkbox"/> Depth: 38.5ft. to 90.5ft. ✎ ✕
				<input type="checkbox"/> Depth: 90.5ft. to 107.5ft. ✎ ✕
				<input type="checkbox"/> Depth: 107.5ft. to 111.5ft. ✎ ✕
				<input type="checkbox"/> Depth: 111.5ft. to 115.5ft. ✎ ✕
				<input type="checkbox"/> Depth: 115.5ft. to 185.5ft. ✎ ✕
				<input type="checkbox"/> Depth: 185.5ft. to 190.5ft. ✎ ✕
				<input checked="" type="checkbox"/> Depth: 190.5ft. to 202.5ft. ✎ ✕
				GRAY SANDSTONE

* Indicates a required field

Submit

Note if a required field(s) is missing, you will not be able to report user may enter missing information, or if unknown, user may enter “NONE”

Alaska Department of Natural Resources
Mining, Land & Water
Natural Resources Intranet

My Well logs AHS Drilling

Natural Resources > MLW > WELTS

AHS Drilling - Manage Well Logs

Create New Well Log. **You must upload a well log!**

Return to Well Log Search Upload Well Log PDF Update Water Right

Edit Well Log File Information

Upload New Well Log PDF:

Lot: NONE

Block:

Tract:

Section: Choose...

Quarter Sections: of of of of

*Misc. Parcel Information/Description

Submit

Indicates one of these fields are required

Owner Information
Driller Information
Well Data
Borehole Data

Browse to the directory with the portable document format (pdf) file you wish to upload – for example the AHS Drilling logo (fictitious) pdf file shown below - please note the file must be a pdf - the system will not permit upload of non-pdf files

AHS Drilling (fictitious)

550 W. 7th Ave

Anchorage, AK 99501

(907) 269-8646



Upload File

select *ok*

The screenshot shows the Alaska Department of Natural Resources Mining, Land & Water website. The main header includes the department logo and name, a search bar, and the text 'Natural Resources Intranet'. Below the header, there are navigation links for 'My Well logs' and 'AHS Drilling'. The main content area is titled 'AHS Drilling - Manage Well Logs' and contains a 'Create New Well Log.' button and a red warning message: 'You must upload a well log!'. There are also links for 'Return to Well Log Search', 'Upload Well Log PDF', and 'Update Water Right'. A modal dialog box titled 'Edit Well Log File Information' is open, showing an 'Upload New Well Log PDF:' section with an 'Upload a file' button. Below this, there are 'OK' and 'Cancel' buttons. A red arrow points to the 'OK' button. The dialog box also contains fields for 'Lot', 'Block', 'Tract', 'Section', and 'Quarter Sections', along with a 'Misc. Parcel Information/Description' text area. A legend at the bottom indicates that an asterisk (*) denotes required fields.

Wait patiently while loading . . . takes a few seconds

WELTS application assigns the well log identification number

Alaska Department of Natural Resources
Mining, Land & Water
Natural Resources Intranet

My Well logs AHS Drilling

Natural Resources > MLW > WELTS

AHS Drilling - Manage Well Logs

Well Log 39553 Information

[Return to Well Log Search](#) [Well Log 39553](#) [Update Water Right](#)

Borehole Data: (from ground surface)	
Depth:	0ft. to 1.5ft.
Depth:	1.5ft. to 30.5ft.
Depth:	30.5ft. to 38.5ft.
Depth:	38.5ft. to 90.5ft.
Depth:	90.5ft. to 107.5ft.
Depth:	107.5ft. to 111.5ft.
Depth:	111.5ft. to 115.5ft.
Depth:	115.5ft. to 185.5ft.
Depth:	185.5ft. to 190.5ft.
Depth:	190.5ft. to 202.5ft.

* Indicates a required field

Update

after the well log submittal is approved by AHS the well log becomes visible to the public, but driller will still be able to view while pending approval

Alaska Department of Natural Resources
Mining, Land & Water
Natural Resources Intranet

My Well logs AHS Drilling

Natural Resources > MLW > WELTS

AHS Drilling - Manage Well Logs

Create/Update/Delete Well logs

[Well Driller's Log Form](#) [Well Decommissioning Form](#) [Water Use Report Form \(AKWUDS\)](#) [Application for Water Right](#)

Find One of Your Well Logs to Manage [Search ALL Well logs](#)

Create Log Search: All Your Well Logs AHS Drilling Search

Well Log Search Results

Show 10 entries [Print](#) [Save](#) Filter:

View	Update	Log ID	Driller	Date of Completion	Owner	Region	Parcel Description
		39553	AHS Drilling	24-Feb-16	Builders R Us		

Showing 1 to 1 of 1 entries [First](#) [Previous](#) [Next](#) [Last](#)

following submittal - information entered in reporting system populates water well log form & appends uploaded file



STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND & WATER

39553

WATER WELL LOG

Drilling Started: 11 / 17 / 2015 Completed: 2 / 24 / 2016

City/Borough:	Subdivision:	Block:	Lot:	Property Owner Name & Address:																																	
	NONE		NONE	Builders R Us AK																																	
Latitude 61.21524	Longitude -149.8923																																				
Meridian	Township	Range	Section	1/4 of 1/4 of 1/4 of 1/4																																	
BOREHOLE DATA: (from ground surface) Suggest T.M. Hanna's hydrogeologic classification system * https://info.ngwa.org/servicecenter/shopper/ProductDetail.cfm?ProdCompanyPassed=ngw&ProdCdPassed=ngwt1030				Drilling method: <input checked="" type="checkbox"/> Air rotary, <input type="checkbox"/> Cable tool, <input type="checkbox"/> Other _____ Well use: <input type="checkbox"/> Public supply, <input checked="" type="checkbox"/> Domestic, <input type="checkbox"/> Reinjection, <input type="checkbox"/> Hydrofracking Fluids used: _____ <input type="checkbox"/> Other _____																																	
<table border="1"> <thead> <tr> <th>Depth</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>TOPSOIL AND ORGANICS</td> <td>0.0</td> <td>1.5</td> </tr> <tr> <td>GRAY SANDY GRAVEL</td> <td>1.5</td> <td>30.5</td> </tr> <tr> <td>GRAY SAND</td> <td>30.5</td> <td>38.5</td> </tr> <tr> <td>GRAY HARDPAN</td> <td>38.5</td> <td>90.5</td> </tr> <tr> <td>GRAY SANDSTONE BEDROCK</td> <td>90.5</td> <td>107.5</td> </tr> <tr> <td>BROWN SHALE</td> <td>107.5</td> <td>111.5</td> </tr> <tr> <td>COAL</td> <td>111.5</td> <td>115.5</td> </tr> <tr> <td>GRAY SANDSTONE</td> <td>115.5</td> <td>185.5</td> </tr> <tr> <td>BROWN SHALE AND WATER</td> <td>185.5</td> <td>190.5</td> </tr> <tr> <td>GRAY SANDSTONE</td> <td>190.5</td> <td>202.5</td> </tr> </tbody> </table>				Depth	From	To	TOPSOIL AND ORGANICS	0.0	1.5	GRAY SANDY GRAVEL	1.5	30.5	GRAY SAND	30.5	38.5	GRAY HARDPAN	38.5	90.5	GRAY SANDSTONE BEDROCK	90.5	107.5	BROWN SHALE	107.5	111.5	COAL	111.5	115.5	GRAY SANDSTONE	115.5	185.5	BROWN SHALE AND WATER	185.5	190.5	GRAY SANDSTONE	190.5	202.5	Depth of hole: 202.5 ft. Casing stickup: 2.5 ft Casing type: STEEL Thickness 0.250 inches Casing diameter: _____ inches Casing depth 97.5 ft Liner type: PVC Diameter: 5 inches Depth: _____ ft Static water (from top of casing): 152 ft on 11 / 24 / 2015 Pumping level & yield: 190 feet after 2 hours at 14 gpm Recovery rate: 14 gpm, Method of testing: PUMP Development method: AIR LIFT Duration: 0.5 HOUR Well intake opening type: <input type="checkbox"/> Open end, <input checked="" type="checkbox"/> Open hole, <input type="checkbox"/> Other _____ <input type="checkbox"/> Screened: Start: _____ ft, Stopped _____ ft Screen type: _____ Slot/mesh size _____ <input type="checkbox"/> Perforated: Start: _____ ft, Stopped _____ ft Start: _____ ft, Stopped _____ ft Gravel packed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No From _____ ft, To _____ ft Note: _____ Grout type: GRANULAR BENTONITE Volume 8 CUBIC FT Depth: From 0 ft, To 10 ft Pump intake depth: 190 ft Pump size 0.5 hp Brand name _____ Was well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Method of disinfection: chlorine liquid Was water quality tested? <input type="checkbox"/> Yes <input type="checkbox"/> No Water quality parameters tested: _____ Well driller name: Jane Doe Company name: AHS Drilling Mailing address: 550 W. 7th Ave City: Anchorage State: AK Zip 99501 Phone number: (907) 269-8646 Driller's signature: _____ Date: ____/____/____ Anchorage Municipal Code 15.55.060(I) requires that a copy of this well log be forwarded to the Development Services Department within 30 days of well completion. City Permit Number: _____ Date of Issue: ____/____/____ Parcel Identification Number: _____ Is well located at approved permit location? <input type="checkbox"/> Yes <input type="checkbox"/> No
Depth	From	To																																			
TOPSOIL AND ORGANICS	0.0	1.5																																			
GRAY SANDY GRAVEL	1.5	30.5																																			
GRAY SAND	30.5	38.5																																			
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GRAY SANDSTONE	115.5	185.5																																			
BROWN SHALE AND WATER	185.5	190.5																																			
GRAY SANDSTONE	190.5	202.5																																			

AS 41.08.020(b)(4) and AAC 11 AAC 93.140(a) require that a copy of the well log be forwarded to the Department of Natural Resources within 45 days of well completion. Please email well logs to:

dnr.water.reports@alaska.gov OR send to

Alaska DNR, MLW, Alaska Hydrologic Survey
550 West 7th Avenue, Suite 1020
Anchorage, AK 99501

* Guide for Using the Hydrogeologic Classification System for Logging Water Well Boreholes by Thomas M. Hanna NGWA Press

AHS Drilling (fictitious)

550 W. 7th Ave

Anchorage, AK 99501

(907) 269-8646



Things to be aware of . . .

- ❑ Beta tested using Internet Explorer 10, Firefox and Chrome browsers so problems may be encountered if one is using an older browser

- ❑ WELTS is, and will continue to be available, in Alaska Mapper, which is available at the url shown on the next page

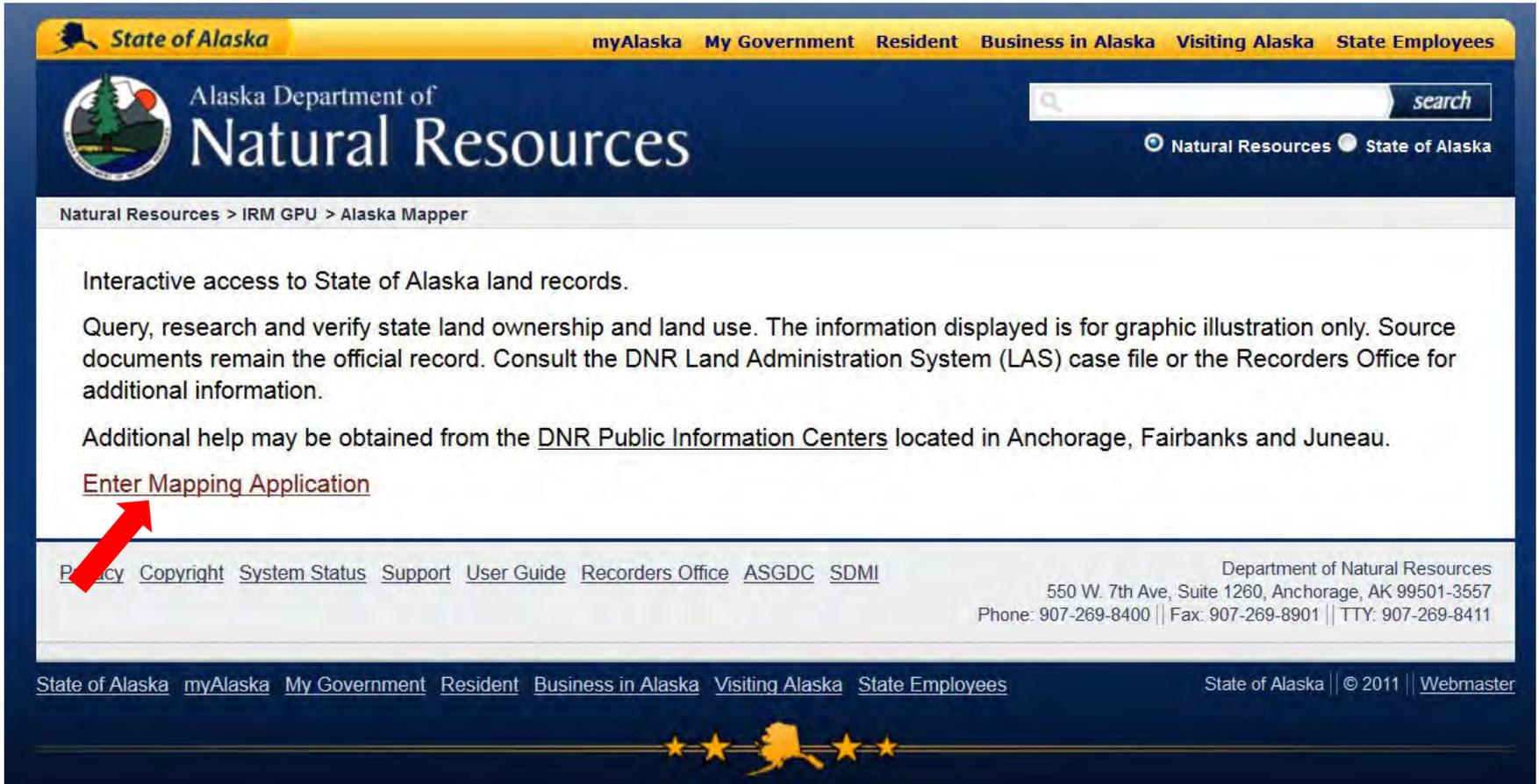
Component 3:

instructions for using the WELTS mapper application

To conduct a search for well logs using the mapper interface, click on the url below:

<http://dnr.alaska.gov/MapAK/>

After clicking on the url above, the following window should pop-up:



The screenshot shows the Alaska Department of Natural Resources website. The header includes the state logo and navigation links: myAlaska, My Government, Resident, Business in Alaska, Visiting Alaska, and State Employees. The main content area is titled "Alaska Department of Natural Resources" and "Alaska Mapper". It provides information about interactive access to land records and includes a red arrow pointing to the "Enter Mapping Application" link. The footer contains contact information for the Department of Natural Resources and navigation links.

State of Alaska myAlaska My Government Resident Business in Alaska Visiting Alaska State Employees

Alaska Department of Natural Resources search

Natural Resources State of Alaska

Natural Resources > IRM GPU > Alaska Mapper

Interactive access to State of Alaska land records.

Query, research and verify state land ownership and land use. The information displayed is for graphic illustration only. Source documents remain the official record. Consult the DNR Land Administration System (LAS) case file or the Recorders Office for additional information.

Additional help may be obtained from the [DNR Public Information Centers](#) located in Anchorage, Fairbanks and Juneau.

[Enter Mapping Application](#)

[Privacy](#) [Copyright](#) [System Status](#) [Support](#) [User Guide](#) [Recorders Office](#) [ASGDC](#) [SDMI](#)

Department of Natural Resources
550 W. 7th Ave, Suite 1260, Anchorage, AK 99501-3557
Phone: 907-269-8400 || Fax: 907-269-8901 || TTY: 907-269-8411

State of Alaska myAlaska My Government Resident Business in Alaska Visiting Alaska State Employees State of Alaska | © 2011 | [Webmaster](#)

Click on Enter Mapping Application

Click on the Well Log Tracking System (WELTS) folder arrow

The screenshot shows the Alaska Department of Natural Resources website. The header includes the state logo, navigation links (myAlaska, My Government, Resident, Business in Alaska, Visiting Alaska, State Employees), and a search bar. The breadcrumb trail reads: Natural Resources > IRM GPU > Alaska Mapper > Map Selection. The main content area is titled 'Available Maps' and features a sidebar with a tree view of map categories. The 'Well Log Tracking System (WELTS)' folder is highlighted with a red arrow. The footer contains links for Privacy, Copyright, System Status, Support, User Guide, Records Office, ASGDC, and SDMI, along with contact information for the Department of Natural Resources.

State of Alaska

myAlaska My Government Resident Business in Alaska Visiting Alaska State Employees

Alaska Department of Natural Resources

Natural Resources > IRM GPU > Alaska Mapper > Map Selection

Available Maps

Application: Advanced Lite

Available Maps My Maps (0)

- Create New Map
- Available Maps
 - Standard Land Status Maps-
 - Base Map (public)
 - Land Estate Map (public)
 - Mineral Estate Map (public)
 - Ownership Map (public)
 - Surface Classification Map (public)
 - Water Estate Map (public)
 - Coastal Information
 - Energy
 - Mining
 - Parks and Recreation
 - Test
 - Tidelands
 - Well Log Tracking System (WELTS)

Then click on the WELTS icon as shown below:

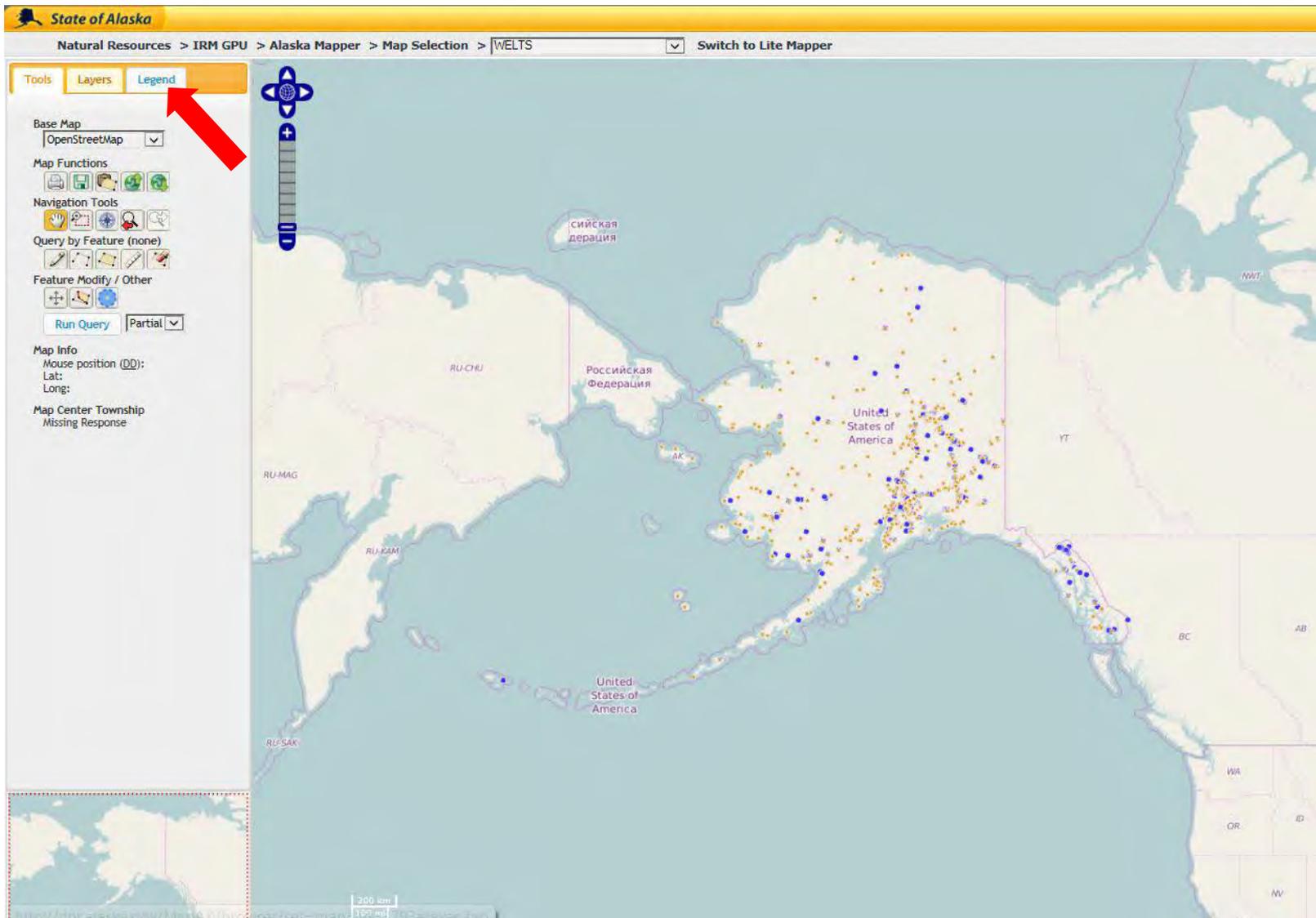
The screenshot shows the Alaska Department of Natural Resources website. The header includes the state logo, navigation links (myAlaska, My Government, Resident, Business in Alaska, Visiting Alaska, State Employees), and a search bar. The breadcrumb trail reads: Natural Resources > IRM GPU > Alaska Mapper > Map Selection. The main heading is "Available Maps". Below it, there are tabs for "Available Maps" and "My Maps (0)". The "Available Maps" section is expanded to show a tree view of map categories. A red arrow points to the "WELTS" icon under the "Well Log Tracking System (WELTS)" folder.

Application: Advanced Lite

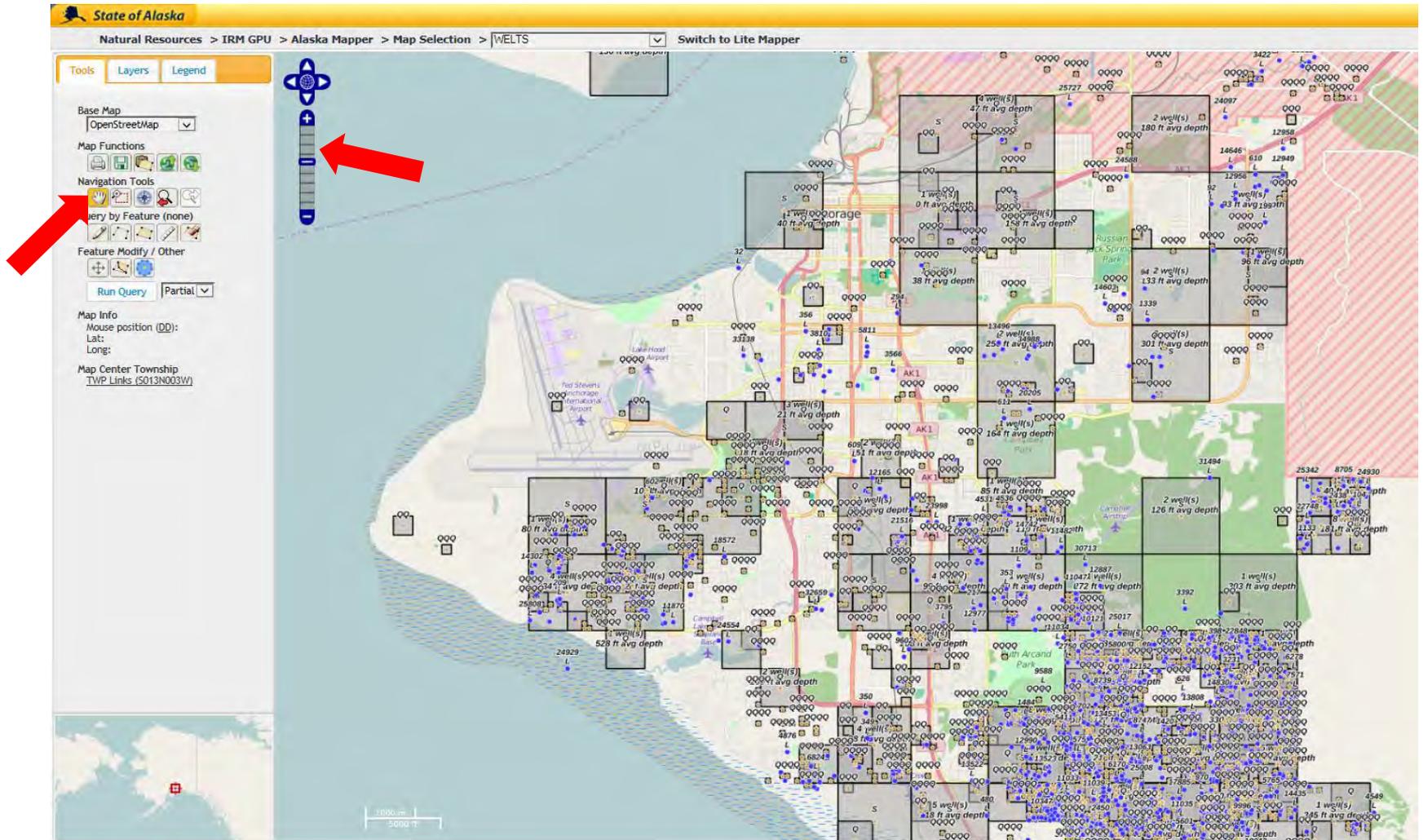
Available Maps | My Maps (0)

- Create New Map
- Available Maps
 - Standard Land Status Maps-
 - Base Map (public)
 - Land Estate Map (public)
 - Mineral Estate Map (public)
 - Ownership Map (public)
 - Surface Classification Map (public)
 - Water Estate Map (public)
 - Coastal Information
 - Energy
 - Mining
 - Parks and Recreation
 - Test
 - Tidelands
 - Well Log Tracking System (WELTS)
 - WELTS

one may find additional information regarding features shown on the map by clicking on the legend tab shown below:



one may zoom into an area of interest by clicking on the zoom bar shown below or use the pan feature to move the map:

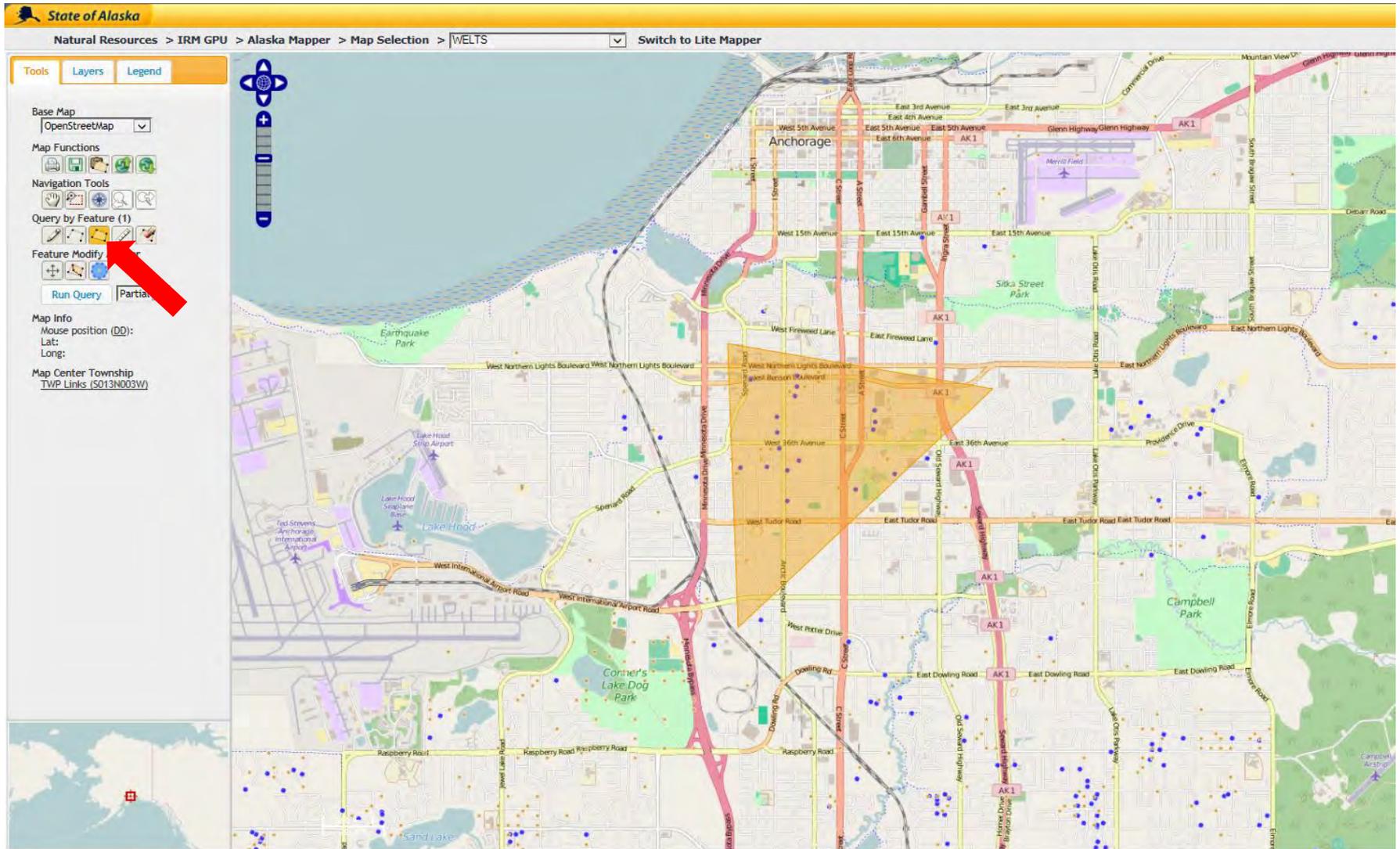


one may also turn various layers on or off by selecting the layers tab and checking or unchecking the layers one chooses to be visible:

The screenshot shows the Alaska Mapper web application interface. At the top, the navigation path is "Natural Resources > IRM GPU > Alaska Mapper > Map Selection > WELTS". The "Layers" tab is selected, indicated by a red arrow. Below the navigation, there is a "Manage Layers" section with a table of layers. A red arrow points to the "Wells" layer, which is checked. The main map area displays a grid of well locations, each represented by a small circle with a number and a letter (e.g., "12850 L"). The map also shows various geographical features like roads, parks, and airports. A scale bar at the bottom indicates 1000 meters and 5000 feet. The URL "http://alaska.gov/" is visible in the bottom left corner.

V	A	L	Layer Name
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PLSS Section Grid
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wells
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surface Water Rights
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Subsurface Water Rights
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surface Temporary Water Use Perm
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Subsurface Temporary Water Use P
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Instream Flow Reservation
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Well Summary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rural Education Attendance Areas
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hydrologic Units

one may also conduct a query within an area of interest by clicking on the polygon tool shown below:

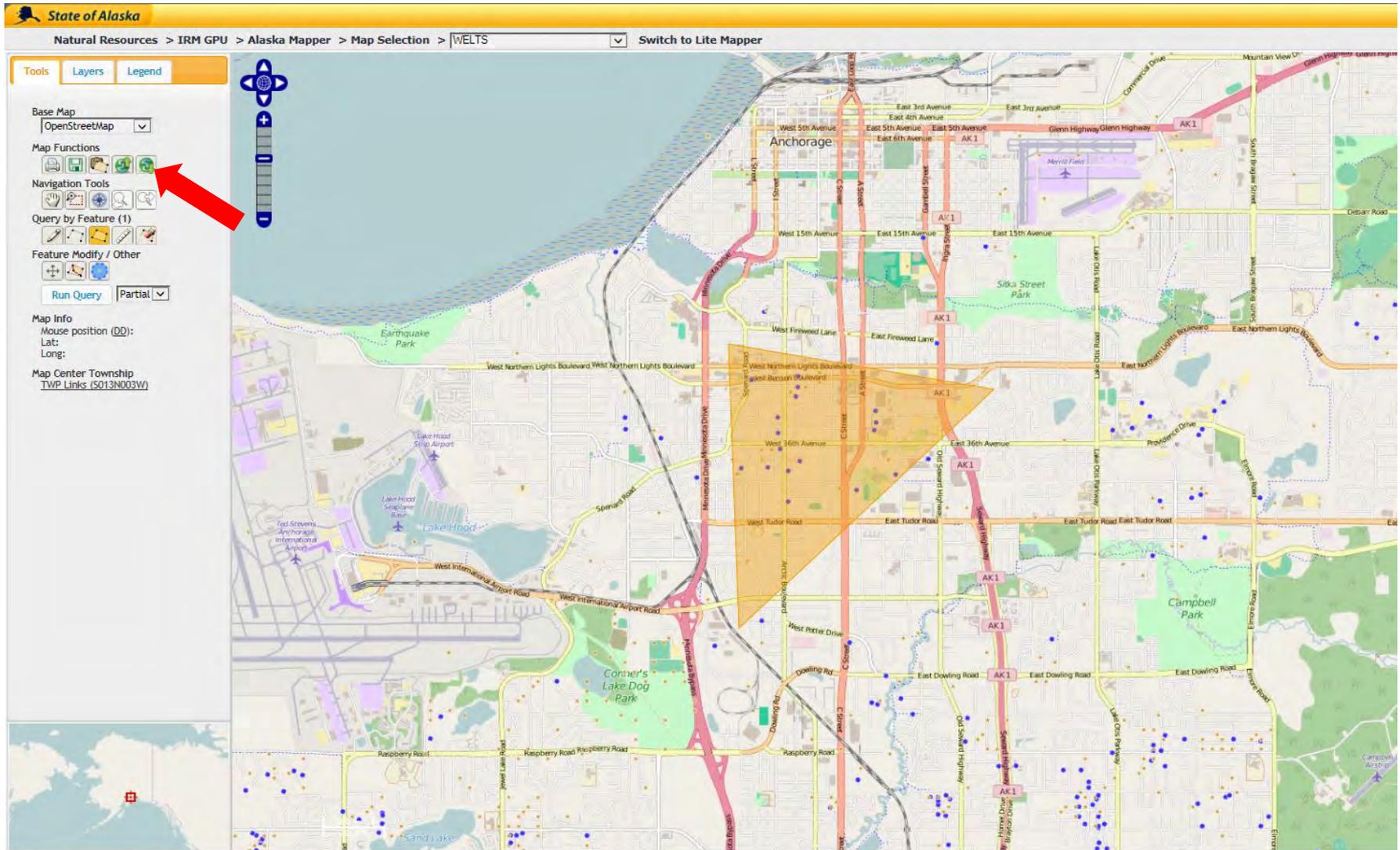


select the *run query* tab - the results widow should appear – click on the drop-down menu to see the results – these data may be exported and downloaded in various formats by selecting the appropriate icon

The screenshot shows the Alaska Mapper interface. On the left, the 'Tools' sidebar includes a 'Run Query' button highlighted with a red arrow. The main map area displays a street map of Anchorage with a blue overlay representing well locations. On the right, the 'Query Results' window is open, showing a table of well data. A yellow arrow points to the 'Wells : 34' dropdown menu at the top of the results window. Another yellow arrow points to the export icons (Excel, PDF, Print) located to the right of the table headers.

Location	Log ID	First Name	Last Name	Company Name	Allquot	Location Description	Case ID	Hol Dept	Accuracy Code
	7185		MOA, Sullivan Sports Arena	Swafford Drilling	S013N003W30 NW SW	L007 & L008, 34TH & ARCTIC	ADL 44226	228	L
	6828		MOA, ANCHORAGE WATER AND WASTEWATER UTILITY (AWWU)	Swafford Drilling	S013N003W30 NE NW SE SW	C ST & 40TH AVENUE, MUNI WELL ?		312	QQQQ
	6827		MOA, ANCHORAGE WATER AND WASTEWATER UTILITY (AWWU) 12	WESTERN STATES ASSOCIATION	S013N003W30 NE NW SE SW	INDUSTRIAL PARK L02 BA , TEST WELL 1, MUNI 12	ADL 202997	305	L
	6387	L	ZABER	Swafford Drilling	S013N003W30 SW NE	CALAIS L04 B4	ADL 44261	101	L
	33012		MUNICIPALITY OF ANCHORAGE, LOUSSAC LIBRARY	ALPINE DRILLING	S013N003W30 SW NE NW SE	LOUSSAC LIBRARY COOLING WELL		162	QQQQ
	5722		MOA, ANCHORAGE WATER AND WASTEWATER UTILITY (AWWU) 7	M-W DRILLING	S013N003W30 SE SE NW SE	40TH & DENALI ST, MUNI WELL 7, TELEPHONE UTILITY YARD	ADL 65787	268	L
	6273	S	LEE	Swafford Drilling	S013N003W30 SW NE	CALAIS L03 B3	ADL 45126		L
	6271	S	KARAKASH	Swafford Drilling	S013N003W30 SW NE	CALAIS L01 B6, APARTMENT COMPLEX	ADL 45116	137	L
	5811	J	MARQUES	Swafford Drilling	S013N003W30 SW NE	UNKNOWN	ADL 67559	112	L
	3792		LODHOLZ	Swafford Drilling	S013N003W30 NW NW	NORTHERN LIGHTS L05 B5 & L06 B5	ADL 45491	135	L

one may also upload () or download () ArcGIS shapefiles by selecting the appropriate icon shown below:



Metadata for WELTS can be downloaded at the url below:

<http://dnr.alaska.gov/mdfiles/welts.html>

Lastly, our beta testers tried their best to develop a bug-free product, however a few critters may have escaped us. Please send an email with a screen capture of the error message to: dnr.water.reports@alaska.gov if you identify any issues so that we may correct the problem.

Thank you!

