

# USER MANUAL

## Petroleum and Natural Gas and Oil Sands Sales Results Map

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## 1.0 Introduction / Purpose of Map

This sales results map and training manual are the result of the recommendations coming out of the coalbed methane consultation process and the findings of the Multi-Stakeholder Advisory Committee.

The purpose of the map is to provide a user-friendly format of displaying current petroleum and natural gas (P&NG) and oil sands sales data via the internet.

Please note that the data displayed on this map is only an image and cannot be downloaded.

This map uses pop-up windows to display information. **Pop-up blockers must be turned off for this website so that you can view the sales data.**

To change your settings for pop-up windows, please go to the following links and follow the instructions:

Internet Explorer:

[http://www.microsoft.com/windowsxp/using/web/sp2\\_popupblocker.msp](http://www.microsoft.com/windowsxp/using/web/sp2_popupblocker.msp)

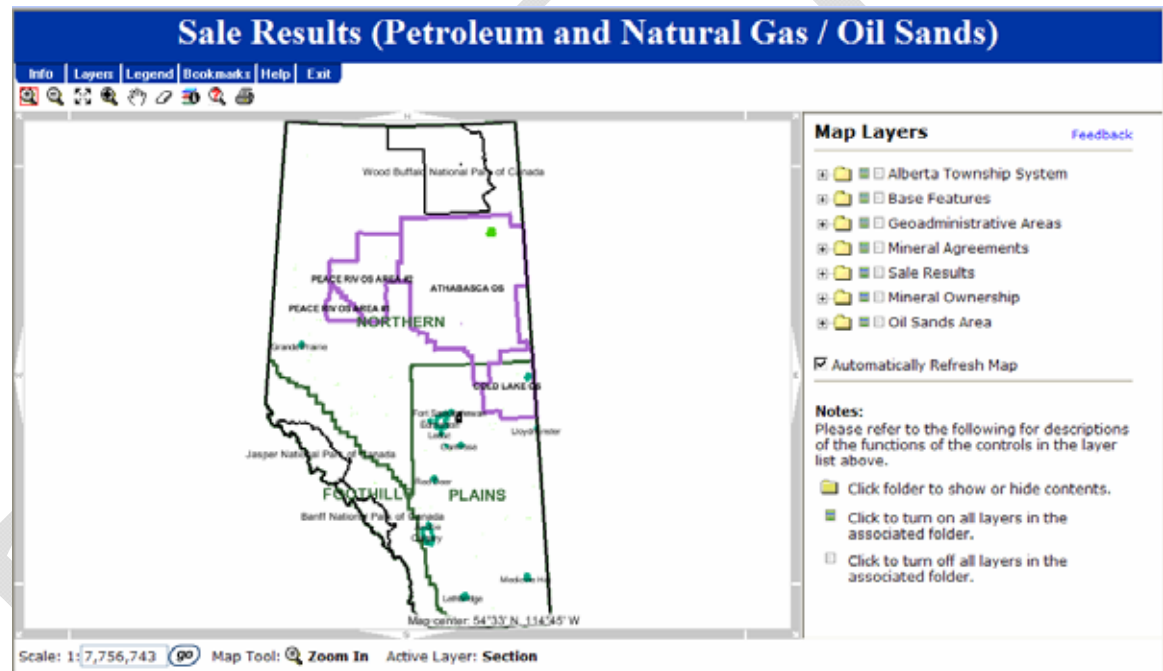
Firefox: <http://www.mozilla.org/support/firefox/options#content>

## 2.0 Things You Should Know Before You Start

This particular map shows only the sales results of the last petroleum and natural gas and oil sands sale held in Alberta. A complete schedule of P&NG sales is posted on the Department of Energy's website at [www.energy.alberta.ca](http://www.energy.alberta.ca) →click on "Our Business"→"Tenure"→Scroll down to "Related Links" and click on "Results". A complete schedule of oil sands sales is posted at [www.energy.alberta.ca](http://www.energy.alberta.ca)→click on "Our Business"→"Oil Sands"→Scroll down to "Related Links" and click on "Results."

To keep this manual a manageable size, the examples shown are from the October 17, 2007 P&NG sale only. The same features are used to display oil sands sales data.

When you first open the link to the Sales Results Map, you will see the following view:



The Department of Energy's Sales Results Map is divided into three separate areas: the **Map Window**, the **Information Panel** and the **Function and Toolbar Area**.

The main window or **Map Window** is where the map is displayed. The **Information Panel** displays information about what is shown on the map and allows users to work with the map's layers. The **Toolbar Area** at the top of the map is used to navigate and interact with the map.

The map scale, the current Map Tool and the Active Layer are shown at the bottom of the screen.

### 3.0 How to Find Sales Results (Getting Started)


This map shows only the sales results from the last sale.

The examples that follow are results from the October 17, 2007 petroleum and natural gas sale. After accessing the map, click on the **Legend** tab (see top of screen) to familiarize yourself with all the different layers of information shown. Then go to **Map Layers** and click on **Sale Results**. Please note that even though the map legend may show that there were both an oil sands and a P&NG sale, there may be times when no oil sands parcels were offered for sale on that particular date.

If you are interested in the P&NG results only, click on the  box next to Sale Results to turn Oil Sands results off. Place cursor over the  and click to turn off oil sands results. This will restrict your search to P&NG results only. By default, you will obtain both P&NG and oil sands sales results.

### 3.1 Accessing Map by Legal Land Description (Township, Range, Meridian)

To search the map using a legal land description, take the following steps:

- Click on **Find Button** → 
- Fill in the **Generate Query** Menu as follows:

**GENERATE QUERY**

---

**1. Select a layer**  
Township ▾

**2. Select a database field**  
LandKey ▾

**3. Select a logical operator**  
= ▾

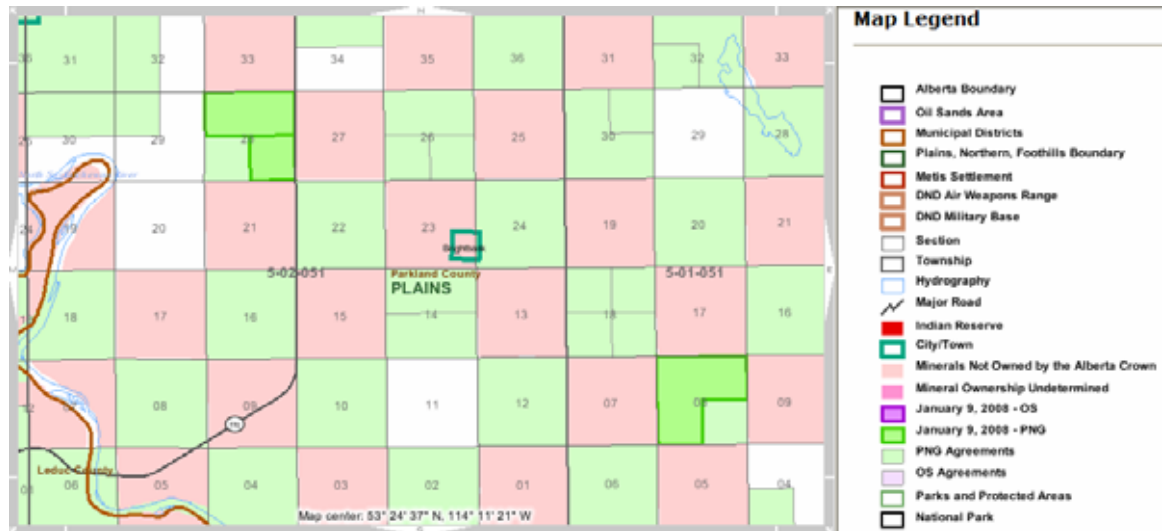
**4. Input the data value**  
  
Format: MRRTTT

Enter the Township, Range and Meridian for the area you are interested in. The format is **MRRTTT** (Meridian, Range, Township, with no spaces between).


In this example, enter 512058 to search for land in Township 58, Range 12, West of the 5<sup>th</sup> Meridian (you must include the zero when entering Township 58).

Click on **Submit**.

By clicking on the **Submit** button, the following map will display:



Clicking on the **Legend** tab opens the **Map Legend** menu. The menu depicts the colour and line weight applied to each of the map features. This map shows three parcels (Section 8N,SW in Township 51, Range 1, West of the 5<sup>th</sup> Meridian and Section 28N and 28SE in Township 51, Range 2, West of the 5<sup>th</sup> Meridian) sold at a recent P&NG sale (highlighted in dark green).

Clicking on a particular section on the map with the **Identify Visible** icon  will display all the map layers turned on in that section. This is an important tool to use as this map may contain more than one agreement over the same section (either an oil sands agreement and one or more P&NG agreements or two or more P&NG agreements). This is not readily apparent by viewing the map as one agreement layer may obliterate or block out another layer. The **Identify Visible** icon will identify that there are overlapping agreements.

NOTE: Once you click on a section with the **Identify Visible** icon, a stick pin



will indicate that this particular section is the last section for which you have requested information.

## Identify Results

---

### Coordinate Position

Geographic: 54° 3' 24" N, 115° 46' 22" W

### PNG Agreements

Agreement Name: 4 YR NORTHERN PNG LIC.

Agreement Number: 5403020274

Designated Representative: HIGHPINE ENERGY LTD.

Agreement Expiry: 2012-02-06

### October 17, 2007 - PNG

Agreement Number: 0507100565

Parcel Number: A0565

Bonus Amount: \$70,535.68

Price Per Hectare: \$275.53

Designated Representative: RANGER LAND SERVICES LTD.

Agreement Expiry: 2012-10-18

### Township

LandKey: 5-12-058

### Section

LandKey: 5-12-058: 31

### Plains, Northern, Foothills Boundary

Name: NORTHERN

### Municipal Districts

Name: Woodlands County

### End of Result Set

The sales results for Section 31, Township 58, Range 12, West of the 5<sup>th</sup> Meridian are as follows:

**Coordinate Position:** This shows where Section 31 is located using latitude and longitude coordinates.


**P&NG Agreements:** This shows there is a 4-year P&NG Licence that is also found in Section 31 (because rights are layered based on subsurface geological zones). This licence is held by Highpine Energy Ltd.

**October 17, 2007 – PNG:** This shows that there is one agreement that was sold at the October 17, 2007 sale. In addition, the following information is noted about this particular parcel:

- Section 31 was sold for a bonus of \$70,535.68 (\$275.53 per hectare).
- Parcel number A0565 indicates that it was sold as a lease. (A petroleum and natural gas *licence* would have a parcel number beginning with a B.)
- Company responsible for the administration of this lease is Ranger Land Services Ltd.
- The agreement is located in Woodlands County.

### 3.2 To Search the Map by Entering County / Municipal District

A landowner, for example, living in the Vulcan Municipal District could find out all the parcels sold in his area by using the following search:

- Click on **Find** icon → 
- Fill in the Generate Query Menu as follows:

**GENERATE QUERY**

---

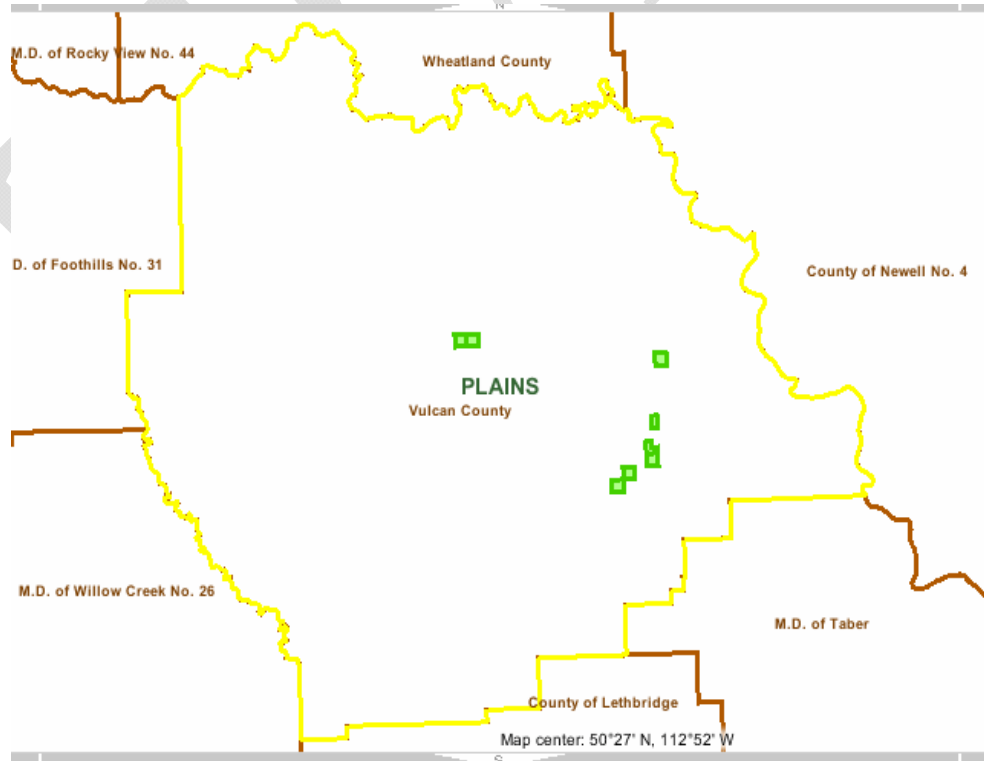
**1. Select a layer**


**2. Select a database field**

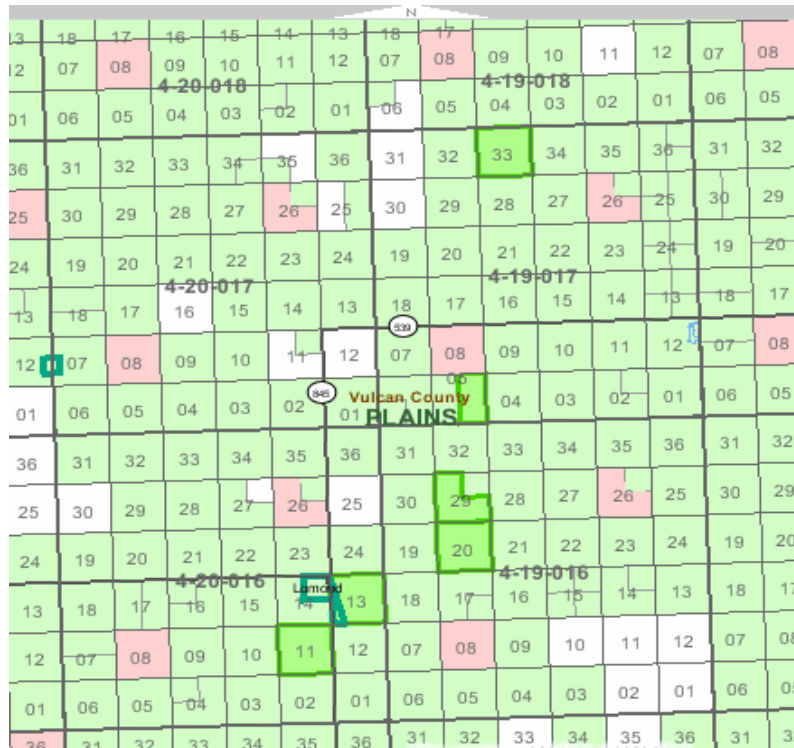
**3. Select a logical operator**

**4. Input the data value**


By clicking on the Submit button, the following map will display:



To zero in on the area of interest, click on the map using the **Zoom In** icon . The map scale will increase by 50% and the following map is produced:



The map shows that several agreements were sold at the October 17, 2007 sale (highlighted in dark green)

Using the **Identify Visible** icon,  for example, on Section 33 in Township 17, Range 19 West of the 4<sup>th</sup> Meridian, will display all the map layers turned on in Section 33:

## Identify Results

### Coordinate Position

Geographic: 50°28' N, 112°34' W

### PNG Agreements

Agreement Name: 5 YR PLAINS PNG LEASE  
Agreement Number: 0401100014  
Designated Representative: ENDEV ENERGY INC.

Agreement Expiry: INDEFINITE  
Agreement Name: 5 YR PLAINS PNG LEASE  
Agreement Number: 0402080019  
Designated Representative: SPHERE ENERGY CORP.

Agreement Expiry: INDEFINITE

### October 17, 2007 - PNG

Agreement Number: 0407100500  
Parcel Number: A0500  
Bonus Amount: \$11,210.24  
Price Per Hectare: \$43.79  
Designated Representative: ENDEV ENERGY INC.  
Agreement Expiry: 2012-10-18

### Township

LandKey: 4-19-017

### Section

LandKey: 4-19-017: 33

### Plains, Northern, Foothills Boundary

Name: PLAINS

### Municipal Districts

Name: Vulcan County

### End of Result Set

**Coordinate Position:** This shows where Section 33 is found using latitude and longitude coordinates.


**PNG Agreements:** This shows there are two P&NG lease agreements that are also found in Section 33 (this occurs because rights are layered based on subsurface geological zones).

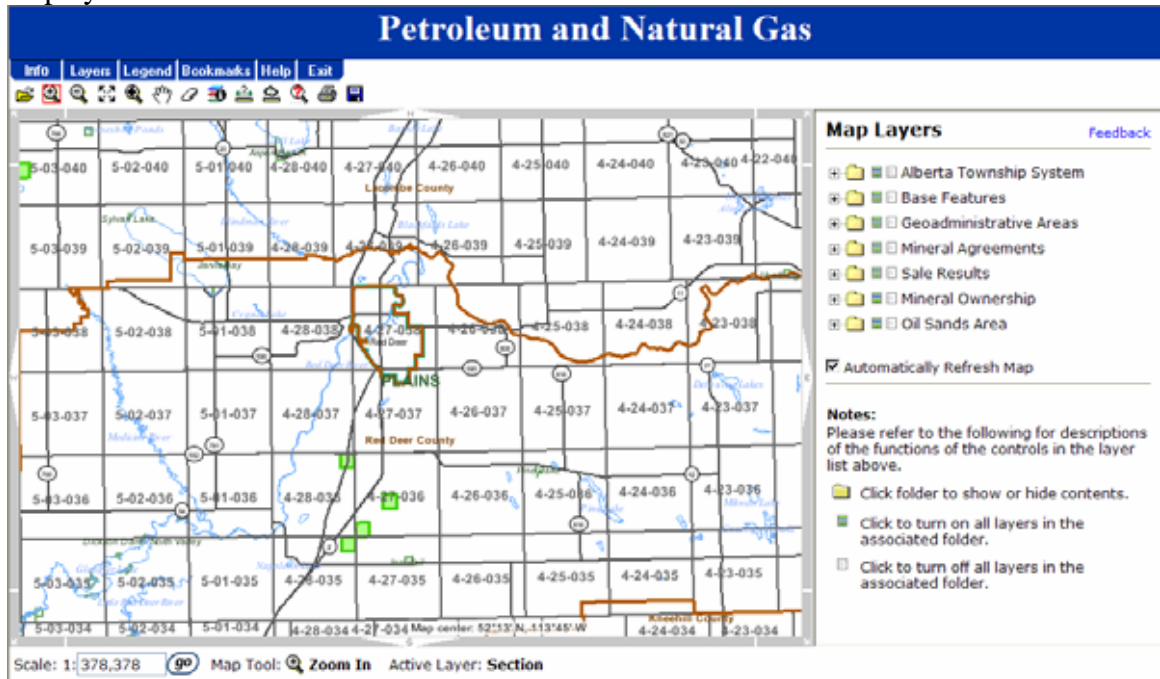
- In this case, of the two other petroleum and natural gas leases in Section 33, P&NG Lease 0401100014 is held by Endev Energy Inc. and P&NG Lease 0402080019 is held by Sphere Energy Corp.


**October 17, 2007 – PNG:** This shows there is one agreement that has been sold at the October 17, 2007 sale. In addition, the following information is noted about this particular parcel:

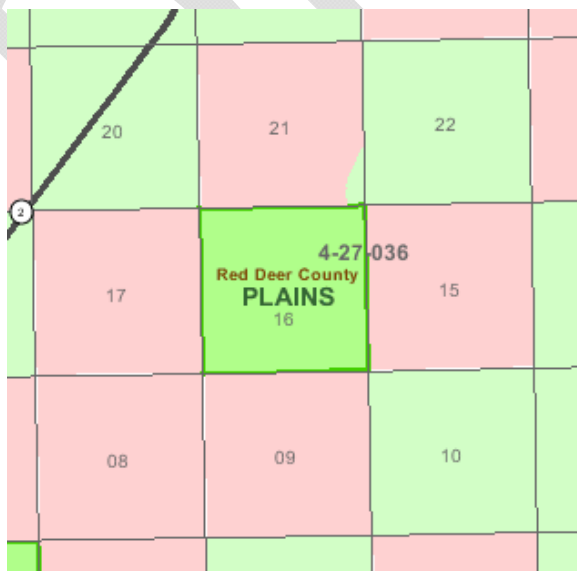
- Parcel number A0500 indicates that it was sold as a lease (A petroleum and natural gas *licence* would have a parcel number beginning with a B).
- Bonus amount was \$11,210.24 (\$43.79 per hectare).
- Parcel is held by Endev Energy Inc.


### 3.3 Accessing Map by Zoom Button

In this scenario, let's assume a landowner is living in the Red Deer area and he/she wants to find out if any parcels were sold at the latest sale (in this case, October 17, 2007). Click on the large provincial scale map shown below by using the **Zoom In** icon.  As you zoom in more layers of information will be displayed.



The map shows several parcels were sold in the vicinity of Red Deer. By using the **Zoom In** icon , you can zero in on a parcel in Township 36, Range 27, West of the 4<sup>th</sup> Meridian as follows:



Choose the **Identify Visible** icon  and click on the map where you want to find information (in this case, Section 16, Township 36, Range 27, West of the 4<sup>th</sup> Meridian). The following information will be displayed:

## Identify Results

### Coordinate Position

Geographic: 52° 5' 33" N, 113° 48' 11" W

### PNG Agreements

Agreement Name:	5 YR PLAINS PNG LEASE
Agreement Number:	0493100288
Designated Representative:	PENN WEST PETROLEUM LTD.
Agreement Expiry:	INDEFINITE
Agreement Name:	5 YR PLAINS PNG LEASE
Agreement Number:	0405120536
Designated Representative:	ENCANA CORPORATION
Agreement Expiry:	2010-12-15

### October 17, 2007 - PNG

Agreement Number:	0407100512
Parcel Number:	A0512
Bonus Amount:	\$23,000.00
Price Per Hectare:	\$89.84
Designated Representative:	SCOTT LAND & LEASE LTD.
Agreement Expiry:	2012-10-18

### Township

LandKey: 4-27-036

### Section

LandKey: 4-27-036: 16

### Plains, Northern, Foothills Boundary

Name: PLAINS

### Municipal Districts


Name: Red Deer County

### End of Result Set

The following sales information is noted:

- Lease parcel was purchased by Scott Land & Lease Ltd.
- Bonus paid was \$23,000.00 (\$89.84 per hectare).
- Two other leases are also held in Section 16 by Penn West and EnCana.

If a person wanted to know who held the agreement in Section 10, Township 36,

Range 27 west of the 4<sup>th</sup> Meridian, he could select the **Identify Visible** icon  and click on Section 10. This will display the following information:

## Identify Results

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### Coordinate Position

Geographic: 52° 4' 38" N, 113° 46' 38" W

### PNG Agreements

Agreement Name: 5 YR PLAINS PNG LEASE  
Agreement Number: 0478030015  
Designated Representative: PENN WEST PETROLEUM LTD  
Agreement Expiry: INDEFINITE

### Township

LandKey: 4-27-036

### Section

LandKey: 4-27-036: 10

### Plains, Northern, Foothills Boundary

Name: PLAINS

### Municipal Districts

Name: Red Deer County

### End of Result Set

This shows there is a lease on Section 10 held by Penn West. To obtain additional information about any agreement, the person can contact the Department of Energy's Crown Land Data Support (CLDS) group to request an agreement search in one of the following ways:

1. e-mail [CrownLandDataSupport@gov.ab.ca](mailto:CrownLandDataSupport@gov.ab.ca)
2. Telephone (780) 422-5727 (toll free 310-0000)
3. Fax (780) 422-9522

The cost of providing an agreement search is \$6.00 per agreement.

### 3.4 Setting Up a Bookmark

You can set up a Bookmark so you can come back to the same view or map area every time you use the map. The Bookmark command lets you save a view.

To save a Bookmark:

- Find the map view you want to save.
- Select the **Bookmarks** Tab. The **Zoom To Bookmark** menu opens.
- Click on **[add current extent]** You will be prompted to enter the name of your bookmark. Enter the area name, such as "Camrose area", "my farm", etc. You can add other map views to build a list of Bookmarks.
- The entered name will be added to a Bookmark list (see example). Next time you use the map, choose the **Bookmarks** tab and then click on one of the saved Bookmarks. The map will zoom to the saved view.
- NOTE: Bookmarks save to the computer hard drive you are currently using. If you decide to use a different computer, you will have to re-save the map view.

✘ Hardisty

✘ My Farm

## 4.0 Basic Features

### 4.1 Find Features (Searching)

The DOE Sales Results Map function lets a user find P&NG or Oil Sands sales results by Township, City/Town or Municipal Districts. Go to **Section 3.0 How to Find Sales Results** if you want to do a search.

Click Find  to Perform a Search

GENERATE QUERY	
<b>1. Select a layer</b>	
Township	▼
<b>2. Select a database field</b>	
LandKey	▼
<b>3. Select a logical operator</b>	
=	▼
<b>4. Input the data value</b>	
<input type="text"/>	
<input type="button" value="Submit"/>	

- 1. SELECT A LAYER**
  - Choose one of the four options
- 2. SELECT A DATABASE FIELD**
  - No input required
- 3. SELECT A LOGICAL OPERATOR**
  - There are two choices (equals (=) or contains)
- 4. INPUT THE DATA VALUE.**
  - Type in the data value

Click **SUBMIT**.



To search by **Township** the format is Meridian, Range, Township without hyphens. (MRRTTT.)

### 4.2 Function and Toolbars

#### FUNCTION BAR










The **Function Bar** provides general controls for the Interactive Map.

<b>Info</b>	Info	The <b>Info</b> button provides information about the site, a listing of the data providers and link to a description of the Alberta Survey System.
<b>Layers</b>	Layers	The <b>Layers</b> button lets users view and select Map Layers from the Information Panel and access the Feedback link for email support.
<b>Legend</b>	Legend	The <b>Legend</b> button displays colors and symbols for layers visible in the map window.
<b>Bookmarks</b>	Bookmarks	The <b>Bookmarks</b> button displays projects users have saved for future reference.
<b>Help</b>	Help	The <b>Help</b> button takes users to a link page where they can access the Interactive Map Manual for easy reference.
<b>Exit</b>	Exit	The <b>Exit</b> button closes the program and shuts down the browser.

## TOOLBAR



The **Toolbar** provides tools to help users work with the map's functions:

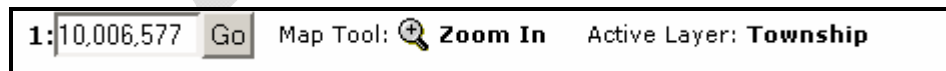
	<b>ZOOM IN</b>	Use the <b>ZOOM IN</b> tool to view more detail on the map. See Section 4.3 for two methods of using the Zoom Tools.
	<b>ZOOM OUT</b>	Use the <b>ZOOM OUT</b> tool to view less detail on the map. See Section 4.3 for two methods of using the Zoom Tools.
	<b>FULL EXTENT</b>	Use the <b>FULL EXTENT</b> tool to view the complete map.
	<b>ZOOM PREVIOUS</b>	Use the <b>ZOOM PREVIOUS</b> tool to return to the previous view of the map.
	<b>PAN</b>	Use the <b>PAN</b> tool to look at a specific area of interest by moving the map display. For example, to see a specific section of the map, click the <b>PAN</b> tool then place the cursor over the map and click and drag the cursor to move the map display.
	<b>CLEAR SELECTION</b>	The <b>CLEAR SELECTION</b> tool erases a selected feature from the map.
	<b>IDENTIFY VISIBLE</b>	Use the <b>IDENTIFY VISIBLE</b> tool to display information from all the layers below a specific location on the map. Click on the map and the <b>IDENTIFY VISIBLE</b> tool drills down through the data and displays the attributes of any layers turned on under your chosen point.
	<b>FIND</b>	The <b>FIND</b> tool selects records based on certain attribute criteria. It launches the <b>Generate Query</b> function in the <b>Information Panel</b> . See Section 4.1 – Find Features (Searching)
	<b>PRINT TO PDF</b>	<b>PRINT</b> the map as displayed on your screen. See Section 4.5

### 4.3 Zoom Tools

There are two ways to use the zoom tools:

1. Click a zoom tool and then click somewhere on the map. The point you clicked will be centered in your view.
2. Click on the **Zoom In** tool and then click and drag the cursor to create a box around the area you wish to magnify. The map then zooms in using the box as the outside border of the display.

It is also possible to zoom using the scale displayed below the map window.



Enter the desired scale and click **GO** the map will zoom to that scale.



The scale is the ratio of a distance on the map and the corresponding distance on the earth's surface.

Layers and/or map labels only appear at their defined scale. See Section 4.4.

To navigate around maps:

- Use the **Zoom Previous** tool to return to the previous view of the map.
- Use the **Full Extent** tool to view the complete map.
- Click on the frame around the Map Window to shift the display in a north, south, east or west direction. Clicking on the corners will shift the map display diagonally. Return to previous view by using the **Zoom Previous** button.

#### 4.4 Using Layers

**Map Layers** [Feedback](#)

- Alberta Township System
- Base Features
  - Alberta Boundary
  - Hydrography\*
  - Major Roads\*
  - Major Cities
  - City/Town\*
  - National Park
- Geoadministrative Areas
- Mineral Agreements
- Sale Results
- Mineral Ownership
- Oil Sands Area

Automatically Refresh Map

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**Notes:**  
Please refer to the following for descriptions of the functions of the controls in the layer list above.

- Click folder to show or hide contents.
- Click to turn on all layers in the associated folder.
- Click to turn off all layers in the associated folder.
- Click the check box to turn layer on and off.
- If the check box is grayed out, the layer is not available at the current scale.
- \* Click to zoom in to the closest scale at which this layer is available.

The layers available in a map are organized into related **folders** and displayed in the **Map Layers** menu.

Click on a folder to open or close it. Once open, a list of the layers in the folder will be displayed.

The application defaults layers on or off. Turning layers on or off is very easy. There are two squares to the right of each folder icon. To turn all the layers off, click on the second square and conversely, to turn all the layers on, click on the first square. To turn individual layers on or off, you must open the folder by clicking on the + box.

Once the folder is open, click the checkbox beside the layer name to turn individual layers on or off. When a layer is “on” (displayed on the map) a checkmark will be depicted in its checkbox. If the checkbox is greyed out, the layer can only be viewed at a specific scale.

A red star after the layer name indicates the scale is not large enough for the layer to display. Zooming in to a larger scale, will turn more layers on.

#### 4.5 Printing a Map

Note: Maps are produced using Adobe PDF format. To print a map, [Adobe Acrobat Reader](#) must be installed on your computer.

Click the **Print to PDF** icon at the top of the map to generate your map in PDF format. Now you can print or save the map.

1. Click OK to generate a print preview.
2. Click the print icon to specify printer and printing properties. Click OK.

Maps may take from 10 seconds to a minute or two to generate. Also, PDFs may be large (around 2MB) and may take additional time to download to your machine depending on your internet connection speed.

## 5.0 Glossary

**Designated Representative** – The company or individual that is responsible for all aspects of a particular agreement’s administration including paying the annual rent and complying with other legislated or regulated requirements.

**Mineral Agreements** – In the context of this interactive map, it means all active Crown petroleum and natural gas agreements including those parcels as having been sold at the last Crown sale.

**Mineral Ownership** – Mineral rights are designated as Crown (owned by the Province of Alberta) or non-Crown.

**MRRTTT** – Meridian, Range, Township: part of a government-wide standard for describing land in Alberta.

**Oil Sands Area** – Areas designated by the Alberta Energy Resources Conservation Board to contain oil sands. Within these particular areas, the petroleum rights within defined intervals are deemed to be oil sands. There are three oil sands areas in Alberta: the Athabasca Oil Sands Area, The Cold Lake Oil Sands Area and the Peace River Oil Sands Area.

## 6.0 Frequently Asked Questions

Q: When are the results of the bi-weekly Crown sales normally available?

**A: Results are normally available on the day of the Crown sale by 3:30 PM Mountain Time.**

Q: How many Crown sales of petroleum and natural gas or oil sands rights are there in a year?

**A: There are approximately 24 sales held each year.**

For petroleum and natural gas sales, go to the department’s website at [www.energy.alberta.ca](http://www.energy.alberta.ca)

Click on “Our Business” → “Tenure” → “Petroleum and Natural Gas Sales” → “Sales Schedules” → “Access Sales Schedules”

For oil sands sales, go to the department’s website at

[www.energy.alberta.ca](http://www.energy.alberta.ca)

Click on “Our Business” → “Oil Sands” → “Sales & Administration” → “Sales Schedule” → “Access Sales Schedule”

Q: How can I get advance notice of any parcels advertised for sale in my area of the province?

**A: You can sign up with the department to receive the electronic version of the Public Offering Notice (PON) that sets out all the parcels advertised for a specific sale.**

For petroleum and natural gas sales, go to the department's website at [www.energy.alberta.ca](http://www.energy.alberta.ca)

Click on "Our Business" → "Tenure" → "Online Services" → "Subscription" → [SUBSCRIBE](#) to pngsales → Click on "Send"

For oil sands sales, go to the department's website at

[www.energy.alberta.ca](http://www.energy.alberta.ca)

Click on "Our Business" → "Oil Sands" → "Online Services" → "Subscription" → "SUBSCRIBE to oilsands" → Click on "Send"

A notification <http://www.energy.alberta.ca/> will be sent to you by e-mail advising that the new PON is available for viewing.

Q: How soon after completion of the Crown sale can I expect the results to appear in this internet program?

**A: The map will be updated on the Friday following the land sale.**

Q: How does the Department of Energy describe land?

**A: The department describes land in the following order: Meridian, Range, Township: Section**

Q: What does the petroleum and natural gas agreement expiry information mean?

**A: There are three different agreement expiries shown on this map:**

- 1. Information is a date such as 2012-02-06. This means that the agreement is in its initial term and is due to expire on February 6, 2012. The department describes dates in the following order: Year, Month, Day.**
- 2. Information refers to "Indefinite". This means that the agreement is continued for an indefinite period, usually under Section 15 of the Petroleum and Natural Gas Tenure Regulations.**
- 3. Information refers to "Multiple". This means that the agreement is continued under more than one section of the continuation provisions or is subject to a notice of non-productivity.**

Q: What does the oil sands agreement expiry information mean?

**A: For oil sands agreements, there are two expiry possibilities:**

- 1. For oil sands permits and primary term oil sands leases, the information shown will be a specific date such as 2013-02-07. This means that the oil sands agreement is due to expire on February 7, 2013.**
- 2. For continued oil sands leases, the information shown is “Indefinite”. This means that the lease is continued until it is surrendered or the lessee is no longer fulfilling its obligations as prescribed by legislation.**

NOTE: For more information concerning petroleum and natural gas or oil sands agreement continuation, go the department’s website at [www.energy.alberta.ca](http://www.energy.alberta.ca) For information concerning petroleum and natural gas continuation, click on “Our Business”→ “Tenure”→ “Publications & Maps”→ “Tenure Brochure”. Go to page 16 “Continuation of Productive Agreements”.

For information concerning oil sands evaluation and continuation, click on “Our Business”→”Oil Sands”→ “Legislation, Guidelines & Policy”→”Guidelines (Tenure)”→Scroll down to “Chapter 4 - Evaluating Leases and Permits”.

Q: Where can I find well production information?

**A: The intent of this map is to show information on the sale of petroleum and natural gas and oil sands agreements only.**

**The Energy Resources Conservation Board is responsible for information on wells. You can get information on non-confidential wells by requesting a search (for a fee) at:**

**Energy Resources Conservation Board  
Information Services**

**Go to [www.ercb.ca](http://www.ercb.ca)**

**Click on “Publications”→ “Data Sales & Services”→ “How to Order”**

## 7.0 Minimum System Requirements

### SOFTWARE

- Firefox/Microsoft Internet explorer – Version supported by the software vendor.
  - Currently Firefox Version 1.0 and higher
  - Currently Internet Explorer 6.0 and higher
- Web browser **must** support Secure Sockets Layer (SSL) 3.0 with Cipher strength of 128 bits.
- Windows XP and higher
- Adobe Reader version 6.0 or later.
- JavaScript on the browser **must** be enabled.
- Minimum screen resolution of 800 x 600.
- System allows browser cookies.

### HARDWARE

- Computer/Processor 133 MHz or higher Pentium-compatible CPU.
- Memory at least 64 megabytes (MB) of RAM; more memory generally improves responsiveness.
- VGA display or higher resolution monitor
- Keyboard/Mouse Required

### NETWORKING

- Internet Access
  - Connection speed of 28.8 kbps or greater.
  - **High Speed** connection (like ADSL or cable) is recommended.