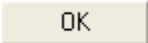


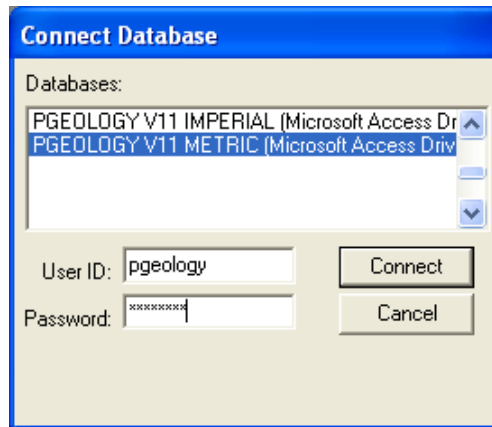
Power*Suite Daily Office Procedures


Power*Suite Applications

Program Activation

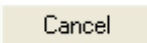


- 1.) **Double click** on the **Power*Log, Power*Curve or Power*Core** PowerLog V11 **Icons** on your desktop. Acknowledge the Security Information window by **clicking** on the  **button**. This will initiate the program and activate a **Connect Database** window.



- **Connecting to a Database...**
- 2.) **Highlight the database** you wish to connect to by **clicking on it once**. The default after loading the PowerSuite software is the **PGEOLGY V11 METRIC (Microsoft Access Driver [*.mdb])**.
 - 3.) The user can simply **Tab** to the **Password field or Type** in your **User ID**. The default User ID is "**pgeology**" and is displayed as the default in this field.
 - 4.) **Type** in your **Password**. (The default **Password** is "**pgeology**").
 - 5.) **Click** on the  **button** to complete the connection or **Press** the **Enter key** on your keypad. This will activate the Open Log window.

Note: To change the password refer to the Power*Suite Database Management Tool.


- 6.) **Click** on the  **button** to close this window. Then, you can import the new data files.

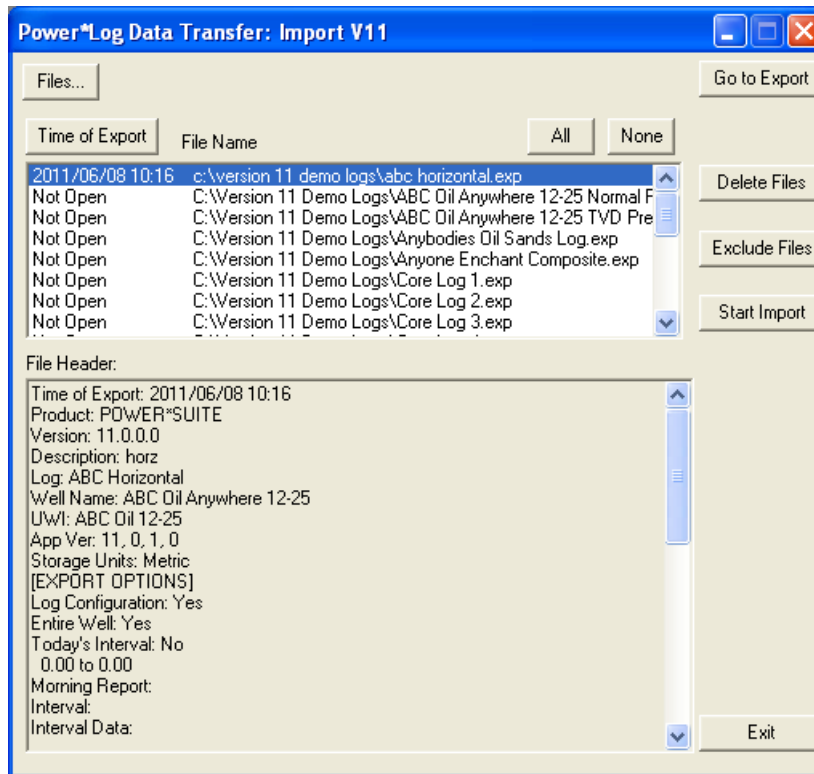
Note: If you have received our .exp files via email, you must first detach or save these files somewhere on your hard drive or network drive.



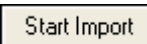
Data Import

(refer to page 38 in the User Manual)
(On-line help press F1 key on keypad)

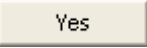
If the **data file *.exp** is attached to an email the user must first detach the file or save it to a place so that it can be found within your file format structure to import.

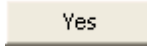

- 1.) Select **Import/Export**, under **File**, and then select **Import Log/Well** from the sub-menu. Or, you can use the  **Import button** on the **Toolbar**. This will activate the **Import** window

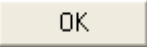



- 1.) **Click** on the  **button**. This will activate the Import from window.
- 2.) Select the appropriate drives and or directories as well as files you wish to import by **highlighting the file name** and **clicking** the  **button**. This will place the selected files into the Power*Log Data Transfer: Import V 11 Window. Repeat this step as many times as necessary.
N.B. Any of our exported files will have an *.exp extension. If the files are corrupted a message will tell you so. Some files may be encrypted and you will have to decrypt the files using the appropriate decryption password using all upper case letters.
- 3.) **Highlight** the **files** you wish to import by clicking on the **file name**.
- 4.) Once the files are selected (highlighted) **click** on the  **button**. This will activate a message box asking, *“Do you really want to import the highlighted files?”*

Note: Import the symbols & geological expansion dictionary first. Then, import your well data.


- 5.) Click on the  button to begin the file importation. When the files have been imported you will be presented with a message window stating “Data has been imported successfully.”

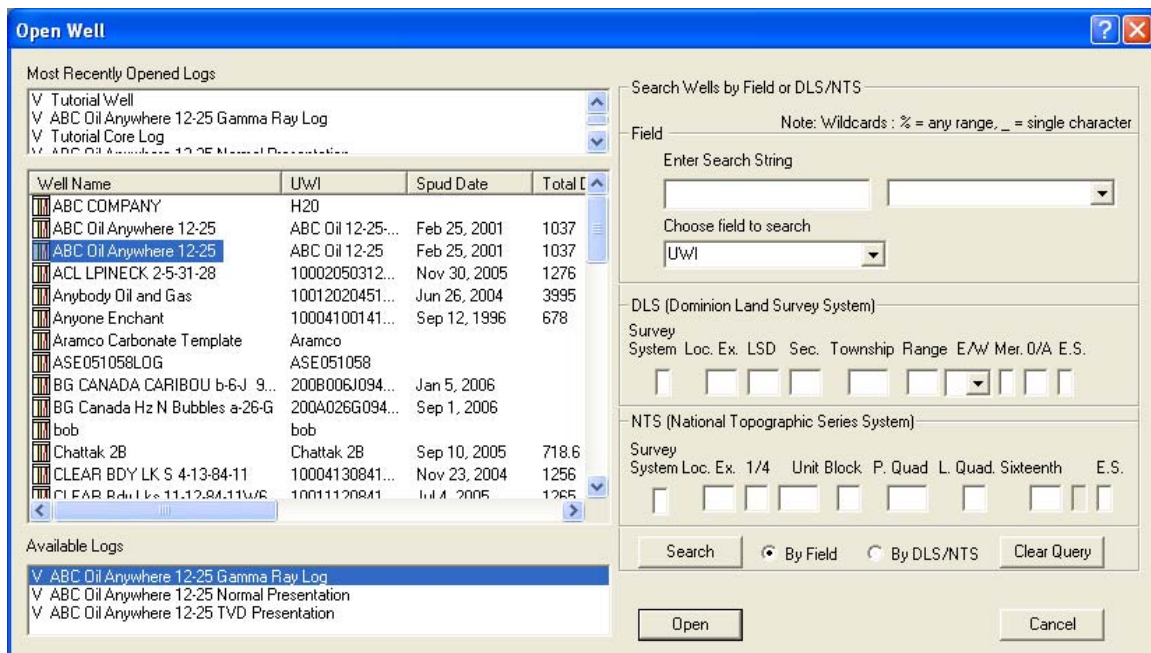
N.B. If an exported file had the option of an entire well activated a message box will appear asking the user “**About to IMPORT ENTIRE WELL data. All information associated with this well in the database will be overwritten. Continue?**” Click on the  button if the file is newer than the data you have or click on the  button if the file is older than the information you already have.

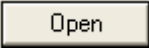
- 6.) Click on the  button to acknowledge this message box.
- 7.) Click on the  button to put you back into the main Power*Suite window.

Open Well / Log


(refer to page 27 in the User Manual)
(On-line help press F1 key on keypad)

- 1.) To view a log presentation of the wells' data you must first open the log. Click on the  **Open Log** button or select **Open**, under the **File** menu pull down, to activate the **Open Log** window shown below:



- 2.) In the Well List locate the well you wish to open either by querying or scrolling through the Well List portion of the window and Click on the **Well Name** so it becomes highlighted, and the logs available for that well will appear in the **Log List** portion of the window.
- 3.) In the Log List Click on the **log name** you want to open. It will become highlighted.
- 4.) Click on the  button and the selected log will open accordingly. Please keep in mind that **Power*Log / Core & Curve™** allows you to have multiple logs open at once.

The **Recent Logs** portion of the window indicates the last 10 logs / wells opened. You may wish to select one of these rather than looking through the well list. Also if you are reopening the last

well used it is already highlighted in the Recent Logs list and can be reopened easily by clicking on the  **button** or by depressing your enter key on your keypad.

Note: Logs with the letter "V" in front of their names are Vertical logs, and can only be used within **Power*Log** or **Power*Core™**. Likewise, Logs with the letter "H" in front of their names are Horizontal logs, and can only be used within **Power*Curve™**.

N.B. If a well / log is already open and you have imported an updated file, the user must **click** on **Option** on the Menu Bar and **click** on **Refresh Data** and the well / log will be updated with the new updated database entries.


- **To scroll** click on the up/down arrows to scroll ¼ page, the space between the thumb and the arrow for a page up/down, or if the print section has been completed pull the thumb up or down to go to the start or end of a log. If your mouse has a roller wheel you can use that as well to scroll the log.
- To go directly to a depth on the log, type a number in the **go to depth box** on the toolbar and then **tab** out of the box to place that depth at the top of the log.
- To **change screen scales** either select a scale from the pull down menu on the toolbar or type a scale between 1:5 and 1:5000 to view the log in a different scale. The screen default scale is 1:240.

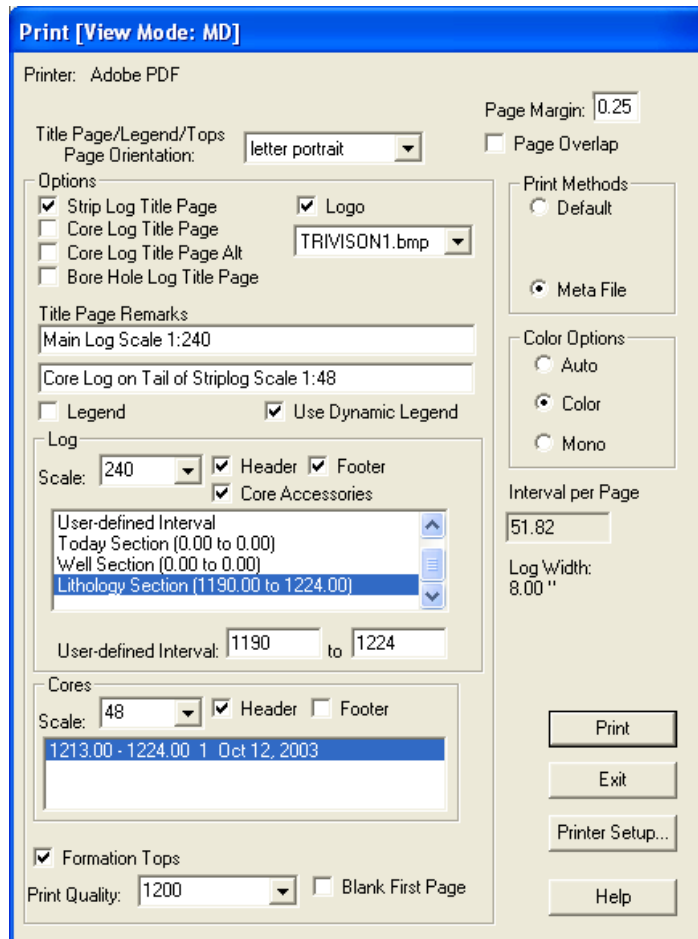
Striplog Printing

(refer to page 79 in the User Manual)

(On-line help press F1 key on keypad)

You can only print the active log at the time when the Print Log Window is implemented. Also, once you are in the Print window you can not edit the log. The printing is WYSIWYG (What you see is what you get), so before you activate the Print Log window the log has to be what you want to print with respect to track widths, ordering, active layers within the tracks and layer ordering within a track. All these things can be done in the log configuration builder button located on the toolbar or under Options on the menu bar.

- 1.) If the **Well / Log** is already **open** and active and the Tracks and layers are organized as you would like them then **proceed to step 2**. If you want to open a Well / Log refer to **Open Well / Log section** of this document.
- 2.) **Click** on the  **Print Log Icon** on the toolbar, or **click** on **File** located on the menu bar, and then **click** on **Print Log** to activate the Print Window.



- 3.) To print the **Title Page, Symbol Legend / dynamic legend** (dynamic legend prints only the symbols that are printed for the interval requested in step 6), **Logo**, and/or **Formation Tops** with the striplog you must make sure these selections are selected. If they have a check in the check box they will be printed. **Activate** or click on the **check box** beside these selections to activate/deactivate these print selections.

N.B. If you are printing the striplogs' Title Page, Symbol Legend, and/or Formation Tops with the striplog you must make sure the page orientation drop box corresponds to the Paper orientation in the Printer Setup window.

- 4.) Activate the **Striplog Title page** check box , if you wish to printout a Striplog header.

Note: **Title Page** check box also has to be activated in order to printout a core header.

- 5.) If you wish to make further **remarks on the Title Page** we give you two lines to make any comments. **Type** in your comments in the **two fields provided under Title Page Remarks**.
- 6.) In the Log portion of the Print window, **select** the **vertical scale** you wish to print the log, whether you want a **Track header** printed, and or the **core accessories** printed in the main log. **Click** the **check box** beside these selections to activate/deactivate these print selections.
- 7.) The user has five options in **Printing the main log** 1) None, 2) User-defined Interval, 3) Today Section, 4) Well Section and 5) Lithology Section.
- Option 1) **None**. If this option is selected (highlighted) this means that there will be no main log printed.

- Option 2) **User-defined Section.** If this option is selected (highlighted) this means that whatever is typed in the User-defined Interval fields will be printed as the main log.
- Option 3) **Today Section.** This option can be filled out by the wellsite geologist in the Export module of the program. This option was implemented to facilitate the operations geologist job so that they would not have to figure out what has been updated on the striplog. If this option is selected (highlighted) this means that whatever is viewed within the parenthesis will be printed as the main log.
- Option 4) **Well Section.** This option can be filled out by the wellsite geologist in the Well Section of the program. This option has been implemented to suggest the print section for the entire log so as to incorporate any comments above and below the lithologic interval of the striplog. If this option is selected (highlighted) this means that whatever is viewed within the parenthesis will be printed as the main log.
- Option 5) **Lithology Interval.** This option is controlled by the lithologic intervals drawn on the striplog. . If this option is selected (highlighted) this means that whatever is viewed within the parenthesis will be printed as the main log.

8.) In the **Cores portion** of the Print window, **select the vertical scale** you wish to print the Core log, whether you want a **Track header** printed, and which cores you want printed out. If a **Core Interval is selected (highlighted)** it will be printed with a Core Header which indicates the Core Number, Interval, percentage recovered etc.

9.) **Page Overlap** is selected if you are printing to a single sheet printer and you wish some minor duplication on the top/bottom of subsequent pages.

10.) **Default** is selected if you are printing to most Laser Printers

11.) **Metafile** is selected if you are printing to a color printer or some Laser Printers.

12.) **Click** on the  **button** to establish the best print configuration for your printer.

N.B. If you are printing in color make sure in the dithering portion of the window you select Diffusion or Error Diffusion.

13.) **Click** on the  **button** to start printing.

N.B. The Print Window will now be automatically saved. The next time you go to print a striplog this configuration will be its default and it should facilitate the printing process.

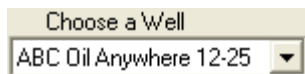
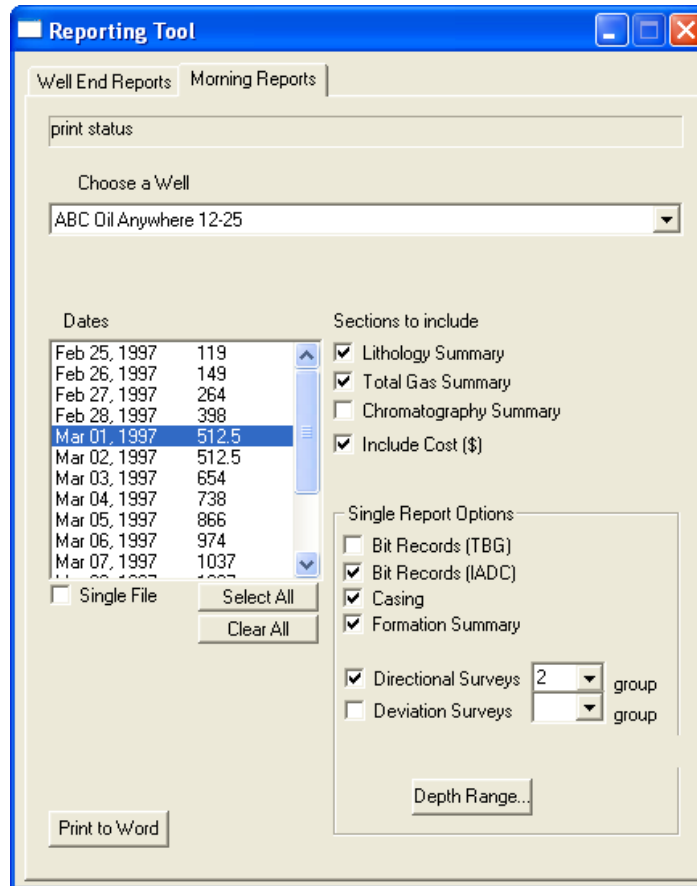
Note: If printings for descriptions do not look exactly like they do on the screen, you will want to change some of our system options. To do so click on Options, select System Options, and measure your monitor with a ruler in inches or you may want to adjust the Printer Font Scaler.

Then, **click** on the  **button.**

Print Morning Reports

(refer to page 90 in the User Manual)
(On-line help press F1 key on keypad)

Overview of Morning Reports Tab Window



This field defaults to the well that is open when you enter into this application. The user can utilize the drop arrow to pick any well they have in their database.

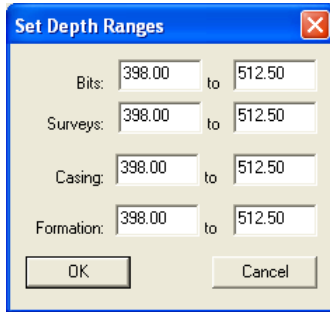
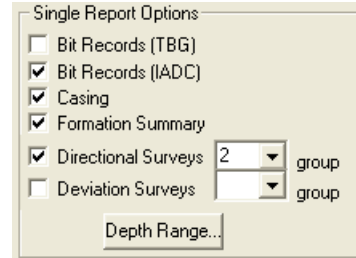
Dates	
Feb 25, 1997	119
Feb 26, 1997	149
Feb 27, 1997	264
Feb 28, 1997	398
Mar 01, 1997	512.5
Mar 02, 1997	512.5
Mar 03, 1997	654
Mar 04, 1997	738
Mar 05, 1997	866
Mar 06, 1997	974
Mar 07, 1997	1037

This field gives the user the ability to identify which Morning reports date they would like to print. The user has the ability to print one or more report dates. Select or deselect them by clicking on them once.

This identifies which portion of the report they would like to print. The choices will be activated with a check box. This information is entered into the Morning reports located under the Reports pull down menu in Power*Log / Core or Curve.

Sections to include	
<input checked="" type="checkbox"/>	Lithology Summary
<input checked="" type="checkbox"/>	Total Gas Summary
<input type="checkbox"/>	Chromatography Summary
<input checked="" type="checkbox"/>	Include Cost (\$)

This portion of the window allows the user the ability to pick and choose which of the Well End reports they would like to include with the printed am report. They include Bit records Casing Formations and Surveys. All these records default to the depth interval from the previous morning report but can be modified by the user.



This **Depth Range...** button activates the Set depth range window so the user can decide what ranges of well end report data to include with the AM report printing. The default is the depth from the previous Am report and the one you have selected to print.


Single File Activate this check box if you wish to print multiple report dates to a single file. Or conversely deactivate this check box if you want multiple files created.

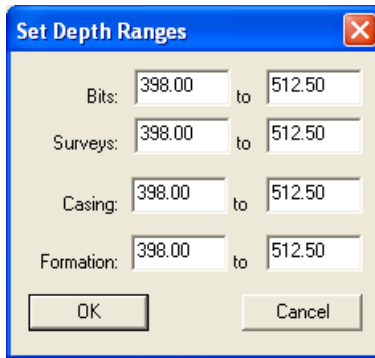
The **Select All** button will highlight all the am report dates.

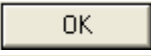
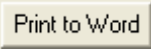
The **Clear All** button will deselect all the am report dates.

The **Print to Word** button will activate the printing process and create either single or multiple files. The documents created will be Document 1 Document 2 etc.

How to Print Morning Reports to Word Format.

1. **Click** on **Print Report to Word**, under the **File** menu selection, to activate the **Print Reports to Word** window. The user can also **click** on the shortcut  **button** located on the toolbar.
2. **Click** on the **Morning Reports tab** to activate that portion of the window.
3. **Choose** the **well** you wish to create a report for from the selection box if the default well is not the one you want to print.
4. **Highlight** the **report dates** you wish to print in the Dates field by clicking on them once. To select/highlight all of the reports, **click** on the **Select All** **button**. To deactivate all of the reports, **click** on the **Clear All** **button**.
5. **Select** the **report options** from the appropriate check boxes.
6. **Select** from the Single Report Options which data from the **well end reports** you would like to include in this printed AM report.
7. If you have selected some Well End report data to be included with the AM report printing and you would like to change the default depths to search for a different interval of data then you would **Click** on the **Depth Range...** **button** to activate the window and change the depths accordingly.




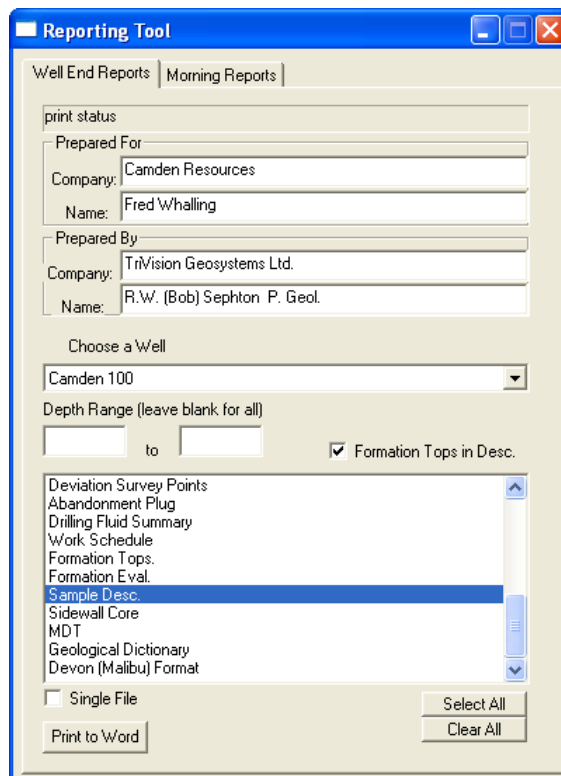
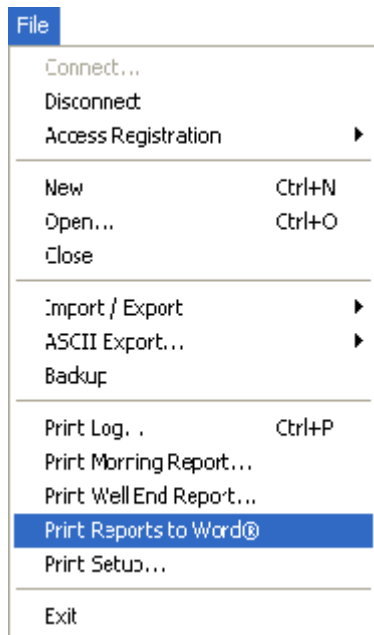
8. Click on the  button to return to the main window.
9. Click on the  button to print the AM report to word format. This will activate your copy of MS Word application and you can view, customize and save these reports.

Print Well End Reports

(refer to page 88 in the User Manual)
 (On-line help press F1 key on keypad)

1. Click on **Print Reports to Word**, under the **File** menu selection, to activate the **Print Reports to Word** window shown below. The user can also click on the Shortcut button

 located on the toolbar.



Overview of Well End Reports Tab Window

Prepared For
 Company: Camden Resources
 Name: Fred Whalling

Prepared for Fields are to be filled in for the Title page report. Type in the Company Name you are working for in the company field and the Person's name you are working for or is receiving the reports in the Name field.

Prepared By
 Company: TriVision Geosystems Ltd.
 Name: R.W. (Bob) Sephton P. Geol.

Prepared by Fields are to be filled in for the Title page report as well. Type

in your Company Name in the company field and your name in the Name field

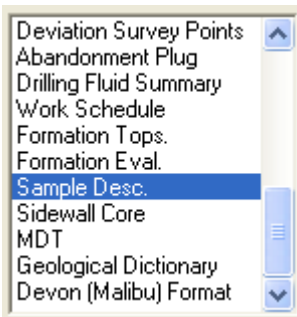
Choose a Well This field defaults to the well that is open when you enter into this application. The user can utilize the drop arrow to pick any well they have in their database.

The Depth Range fields are available to print a portion or depth interval of the Sample or Core descriptions as well as Devon Malibu Format Moring Reports. Leave these fields blank to print them all.

Depth Range (leave blank for all) to

Activate this check box if you want to include the Formation tops in the Sample or Core Descriptions report.

Formation Tops in Desc.



This field gives the user to identify which well end reports they would like to print and they can also identify multiple reports to print at once. Click on the report name to activate or highlight the report to be printed and Click again to deactivate the report. Scroll through the list to identify which reports you wish to print.

Single File Activate this check box if you wish to print multiple reports to a single file. Or conversely deactivate this check box if you want multiple files created.

Select All

This button will highlight / select all the reports and you can activate the reports you do not wish to print.


Clear All

This button will dehighlight / deselect all the reports and you can activate the reports you wish to print.

Print to Word

This button will activate the printing process and create either single or multiple files. The documents created will be Document 1 Document 2 etc.

How to Print Well End Reports to Word Format.

1. **Click** on **Print Report to Word**, under the **File** menu selection, to activate the **Print Reports to Word** window. The user can also **click** on the shortcut  **button** located on the toolbar.
2. **Choose** the **well** you wish to create a report for from the selection box if the default well is not the one you want to print.
3. **Highlight** the **reports** you wish to print in the **Reports** field by clicking on them once. To select/highlight all of the reports, **click** on the **button**. To deactivate all of the reports, **click** on the **button**.

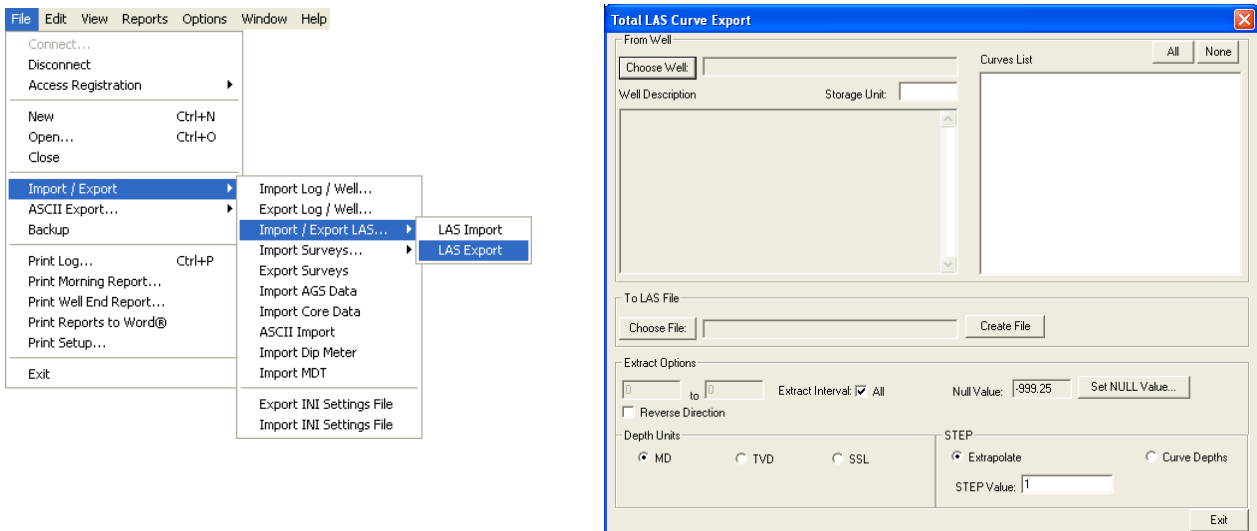
If you are printing Sample or Core Descriptions select if you wish to print tops or all the descriptions.

4. Click on the **Print to Word** button to create the reports. This will activate your copy of MS Word application and you can view, customize and save these reports.

Export LAS Data

(refer to page 43 in the User Manual)
(On-line help press F1 key on keypad)

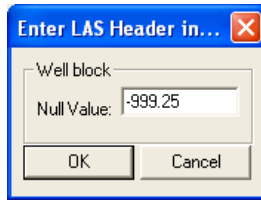
1. Under the **File** menu selection, click on **Import/Export**, click on **Import / Export LAS** and then select **LAS Import** from the pop out menu. This will activate the **LAS Export window**.



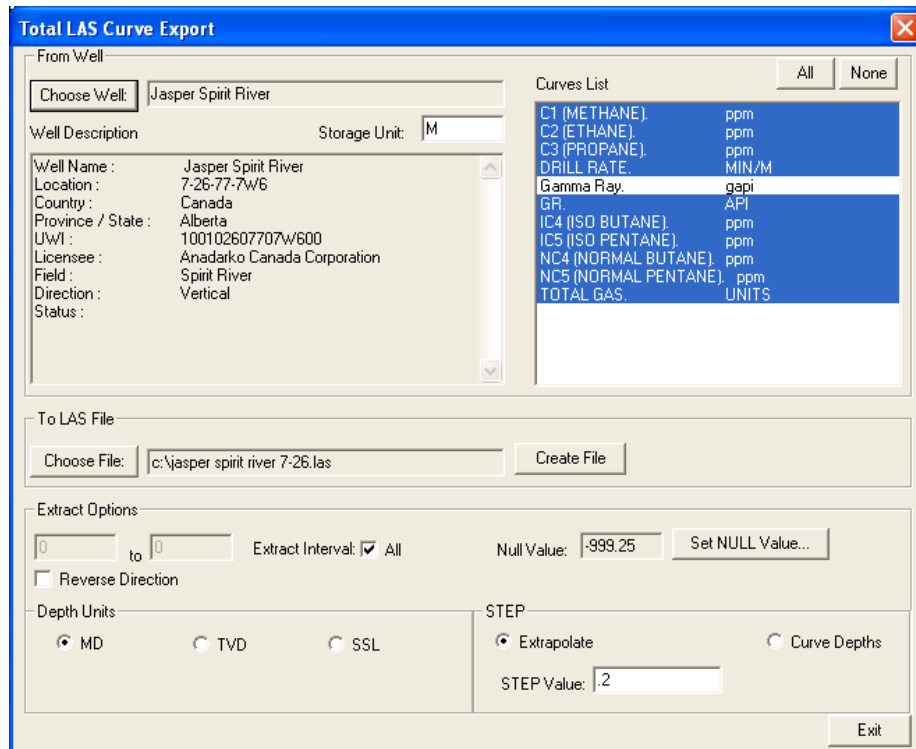
2. Click on the **Choose Well** button. This will activate a list of all the wells in your Database.
3. Select the well you wish to export your LAS Curve data for by clicking on the well name and then clicking on the **Select** button or by double click on the well. You should now see your well name in the field beside the **Choose Well** button. Also, you should see a list of curves in the **Curve List** field. An example of this is shown on the next page.
4. Click on the **Choose File** button and type in a file name and path for that file in the window. Click on the **OK** button when you have done.
5. Select the Curves you wish to create a file for by click on the curve name in the Curve name field or by clicking on the **All** button to select all the curves.
6. Select the step type you wish to use for the export.

Extrapolate will give you the best incremental data utilizing a constant step extrapolating the data to replicate this constant step. The **Curve depths** selection will merge the curves (if more than one curve is selected) and will export the data as it has been collected into the database.

7. Type in an appropriate **step** (depth increment) or utilize the default 1 m depth increment.
8. **Optional** Type in an interval in the From and To fields and deselect the Extract Interval All check box if you wish to export just a portion of the curve data.
9. **Optional** If the user wishes to Change Null Value.
 - a. Click on the **Set NULL Value...** button. This will activate a Null Value window.

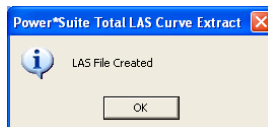


- b. Type in another Null value if the default null value of -999.25 is not what you want for a null value and then **click** on the **OK** button.
10. **Optional** Select the reverse direction check box if you want the data in descending order.
11. **Optional** Select the depth unit values other than (MD) Measured Depth (default). Click on either radio button beside the other such selections as (TVD) True Vertical Depth or (SSL) Subsea Level.

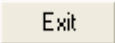


12. **Click** on the **Create File** button. This will activate a LAS file generation window indicating which curves are being exported. Then the process amalgamates all the curve data into a single LAS File. When the file generation has been completed a System Message will be generated.

There may be a message box encountered during this process indicating some of the curves selected have no data. You will have a choice of not including these curves in the LAS Export file.



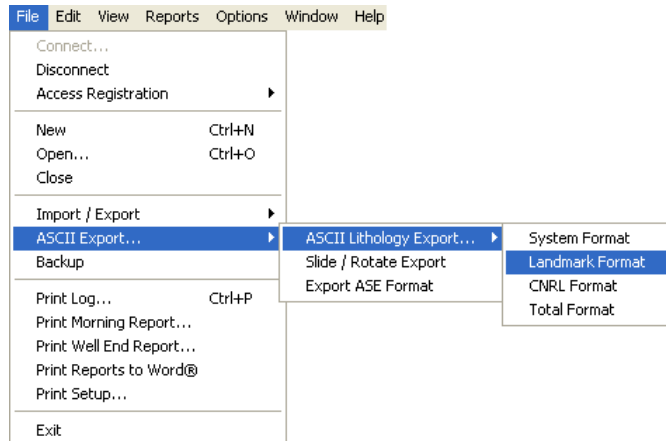
13. Once the File has been created acknowledge the ensuing message by **clicking** on the **OK** button.

14. Click on the  button to Close the application or **repeat steps 2-13** to create more LAS Curve data files.

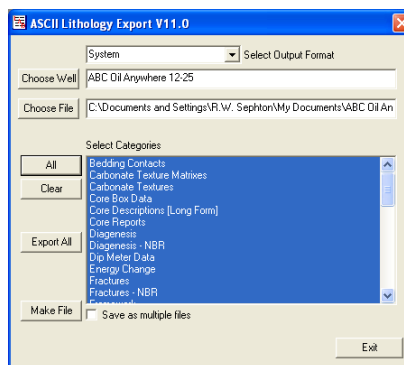
Export ASCII Log Data

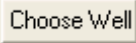
(refer to page 74 in the User Manual)
(On-line help press F1 key on keypad)

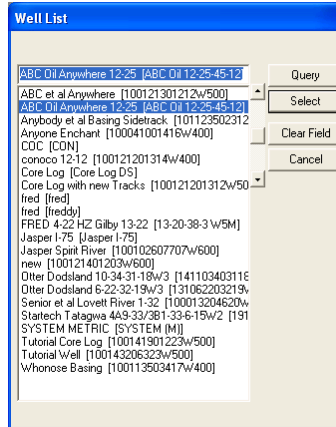
This utility will create ASCII files, or comma delimited files of certain lithology data types (other than curves) for any well in the database. The utility can create a single file of the chosen data categories or multiple files with the same file name entered and their own file extensions. The file types and file extensions are listed at the end of this section.



1. The first step in creating an ASCII or comma delimited file(s) is to select **ASCII Export** from the **File** menu selection. Then, select **ASCII Lithology Export** from the ensuing pop-out menu. Then, select the file format you wish to export the data into. We have tailored our ASCII files to be compatible with Landmark. This will activate the **ASCII Lithology Export** window.

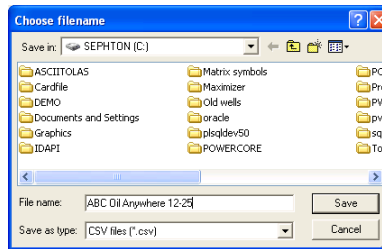


2. The user can select the file format for the ASCII Lithology export by clicking on the Select Output format arrow and selecting the file from the output list. This will place your selection in the file format field.
3. Click on the  button to activate the Well list window. This will activate the **Well List** window.



4. Select the well by double clicking on the Well Name / UWI that you wish to make a Lithology ASCII dump for. The user can also click on the Well Name / UWI to highlight it and then **click** on the **Select** button. This selection will then be populated in the Well field in the Log Dump window.

5. **Click** on the **Choose File:** button and this will activate the **Choose filename** window.



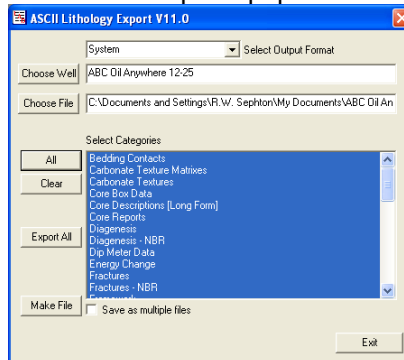
6. Type in a file name and select the drive and directory you wish the file(s) to be exported to.

Then, **click** on the **Save** button. This will fill in the Choose file field in the Log Dump window with the drive, directory and file name.

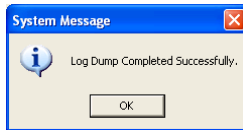
7. **Select** the data types you wish to populate your ASCII lithology export file(s) with by **clicking** on **them once** to make them highlighted. The user can deselect the data types by clicking on them again. Also, the user can **click** on the **All** button to select all the data

categories or **click** on the **Clear** button to clear all your selections.


8. If you want only one data type in each file created click on the **Save as multiple files** check box . If deselected or unchecked the dump will populate a single file.



9. **Click** on the **Make File** button to initiate the export. This will activate a System Message.



10. **Click** on the  **button** to acknowledge the message.

11. **Click** on the  **button** to escape the ASCII Lithology Export window.