



ASCII to LAS
V11

ASCII to LAS Version 11 Manual



The Intelligent Geological Software Solution

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ASCII to LAS Builder Installation Procedures

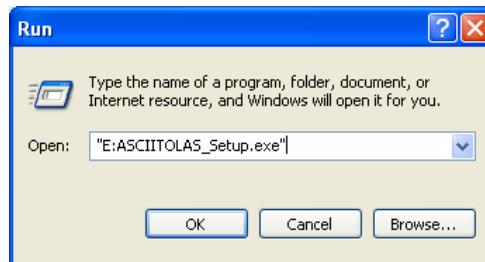
- 1.) Insert Power*Suite CD V11 into the CD Rom Drive of your Computer.

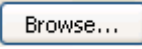
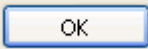


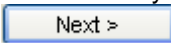
- 2.) If the Autorun works the CD ROM should be activated automatically and you will see the Window above. **Select Install Power*Suite. If the CD does not Autorun move ahead to Step 4.**

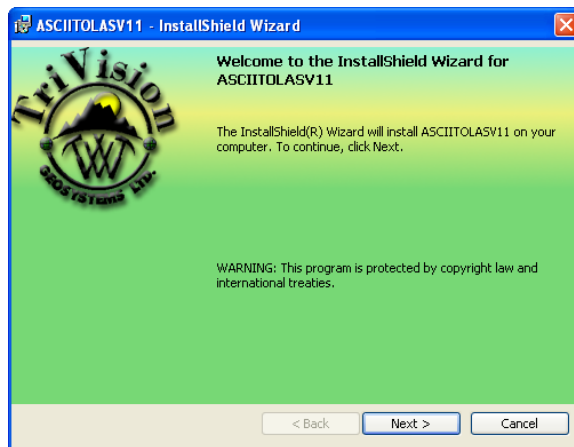


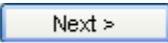
- 3.) **Select Install ASCII to LAS Utility Only** selection in the Install Power*Suite section. Skip to **Step 6.**
- 4.) **Click on the  button on your task bar and then click on the Run selection.** This will activate the Run window.

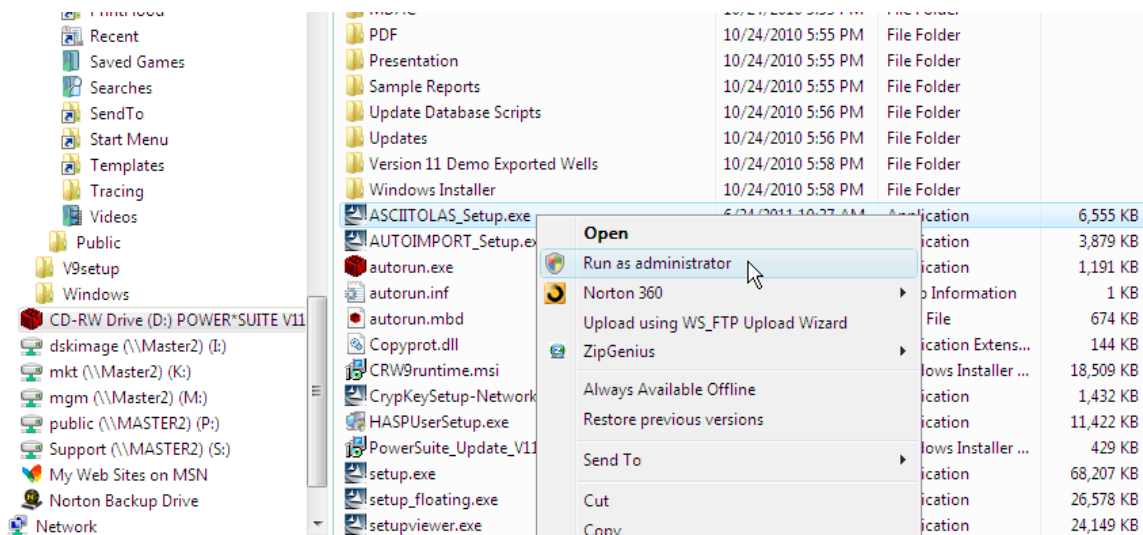



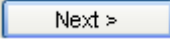
- 5.) **Click on the  button and select the ASCII_TOLAS_Setup.exe from the CDrom drive. Click on the  button in the Run window.**

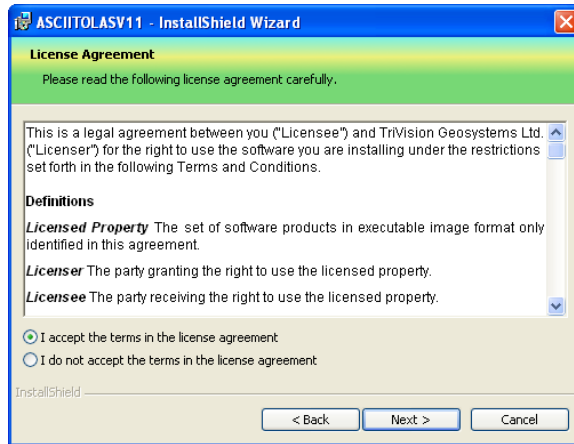
- 6.) a.) This will activate the Install Shield setup followed by the Windows Install window and the **Power*Suite Welcome Message Window**. if your computer is running on **XP or an older Operating System** Click on the  button.


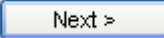


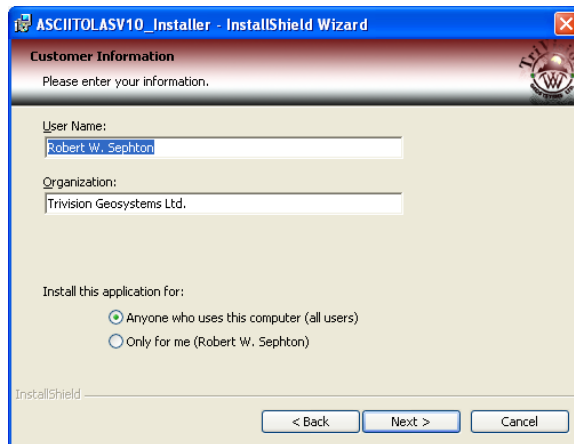
- 6.) b.) If your computer is running on **Microsoft Windows 7 or Microsoft Vista operating systems** click on the  button. **Open up the CDROM** in either my computer or windows explorer and right click on the **ASCIIITOLAS_Setup.exe** and select **Run as Administrator**. This will again activate the Install Shield setup followed by the Windows Install window and the **Power*Suite Welcome Message Window** shown above. **Click on the**  **button.**

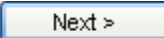


- 7.) This will activate the Licence Agreement window. **Click on the**  **beside I accept the terms in the license agreement.** Then **click on the**  **button.**

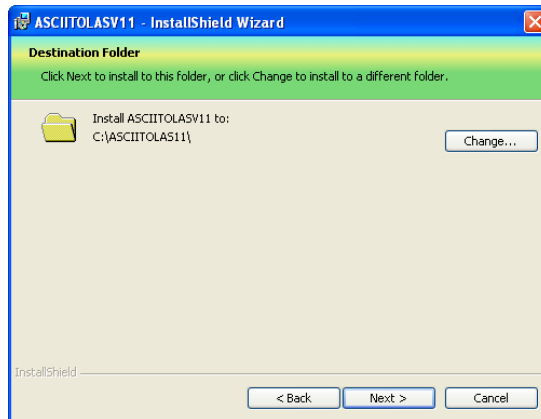


8.) This will activate the Customer Information window with User Name and Organization fields. In the Install this application for portion of the window **Click** on the  beside **Anyone who uses this computer**. Then **click** on the  button.



9.) This will activate the **Destination Folder** window with **C:\ASCIIITOLAS11** as the default location. **Click** on the  button.

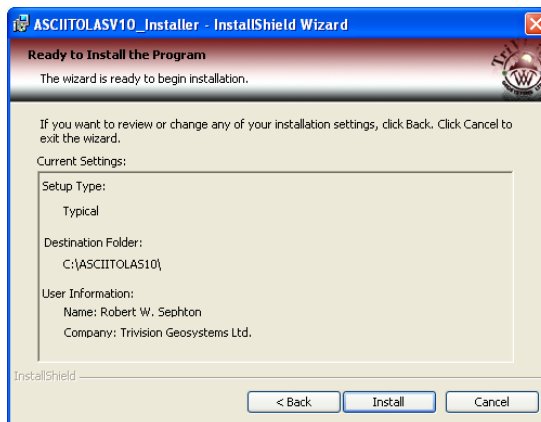
The User has the ability to change the destination folder if required by clicking on the  button. This is not recommended.



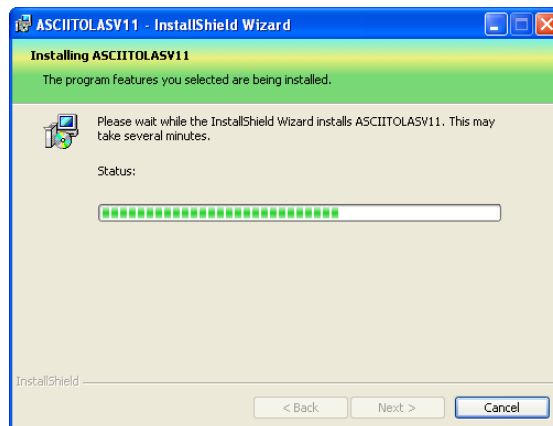
11.) This will activate the Setup for Hasp Window. If you have a Hasp USB or parallel port key and it has been activated for ASCII to LAS Module **Click** on the **Next >** button. If you do not have a hasp key and you are evaluating then **Uncheck** the Yes, I want to use a HASP key and then **Click** on the **Next >** button

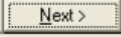


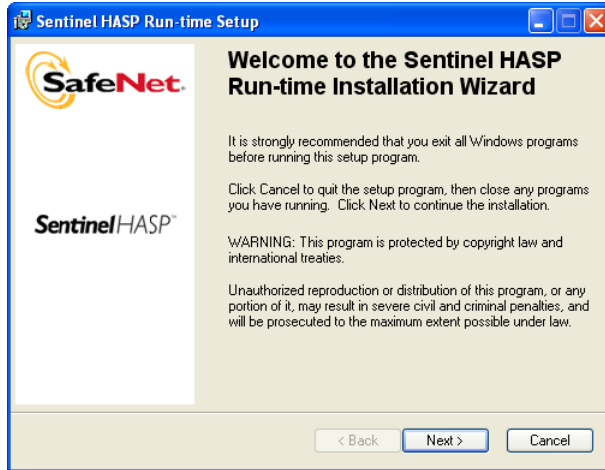
10.) This will activate the Ready to Install window. **Click** on the **Install** button.


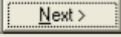


11.) Next the user will see the Installing ASCII to LAS V10 window copying files, writing to the registry, creating desktop icons, creating start menu folder, ODBC components etc. An example of this window can be seen below.



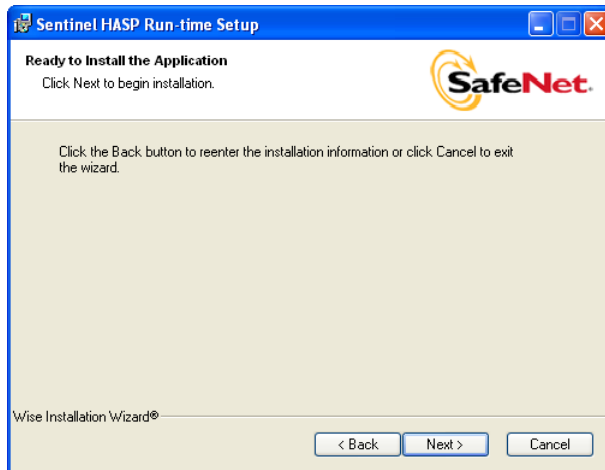
12.) This will activate the Sentinel HASP Run time Setup Welcome window. Click on the  button.



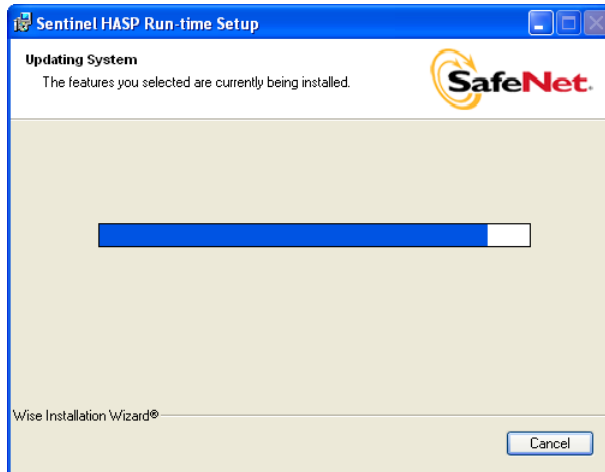
13.) This will activate the End User License Agreement for the Hasp Driver. Click on the radio button  beside **I accept the license agreement** and then Click on the  button



14.) This will activate the Ready to Install window. Click on the  button.



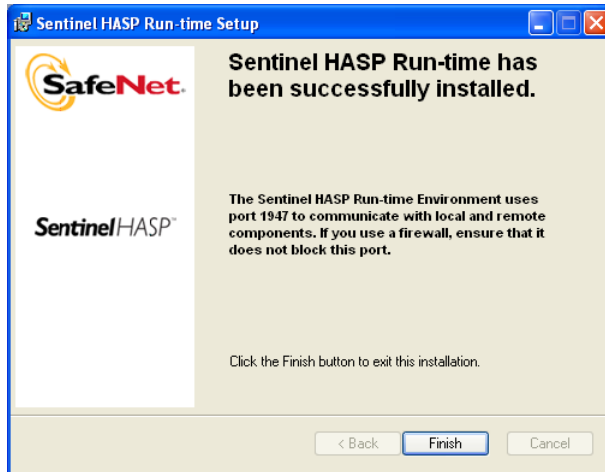
15.) This will initiate the install windows for the HASP device drivers.



16.) When the installation is complete the program will activate the Finished window. Click on the



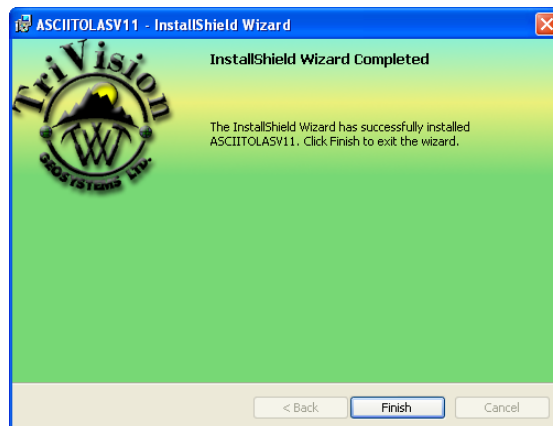
button



17.) Once the installation is complete the **Install Wizard Completed** window shown below will be activated. Click on the



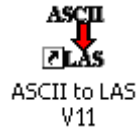
button.

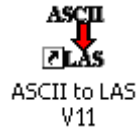



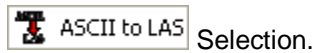
You will now have successfully installed the ASCII to LAS Builder.

ASCII to LAS Builder Trial License Activation

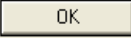
A trial license can only be run once and you will receive 7 days. If after the 7 days you wish to further evaluate our software package then you will have to proceed with the instructions on Page 8.

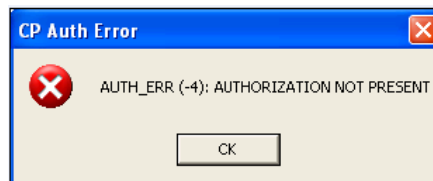


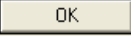
- 1.) **Double click** on the  desktop Icon **or** click on the  **start** button and **Click All Programs** and then **click** on **ASCII to LAS V11** and then select the ASCII to LAS

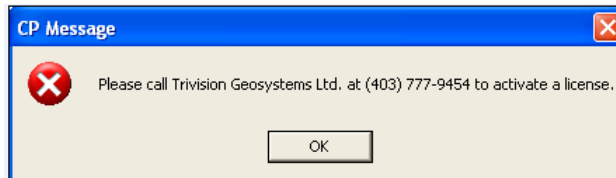


Selection.

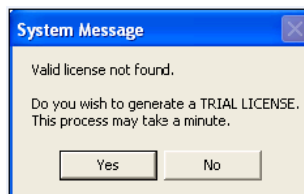
- 2.) This will activate a CP Auth Error message. **Click** on the  **button**.



- 3.) This will activate a CP Message shown below. Note the phone number for later use. The trial license activated will be for 7 days. If you need further time to evaluate, you will have to call the phone number for more time. **Click** on the  **button**.



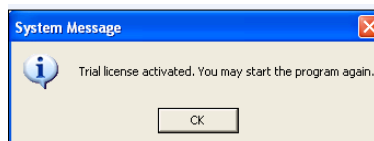
- 4.) This will activate a System Message. **Click** on the  **button**.



- 5.) This will activate a CP Message shown below. **Click** on the  **button**.

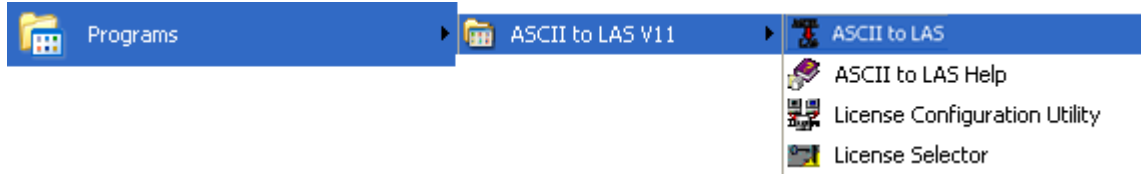




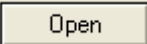
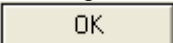
- 6.) This will activate a final System Message. **Click** on the  **button**. Repeat Step 1 to activate the program.

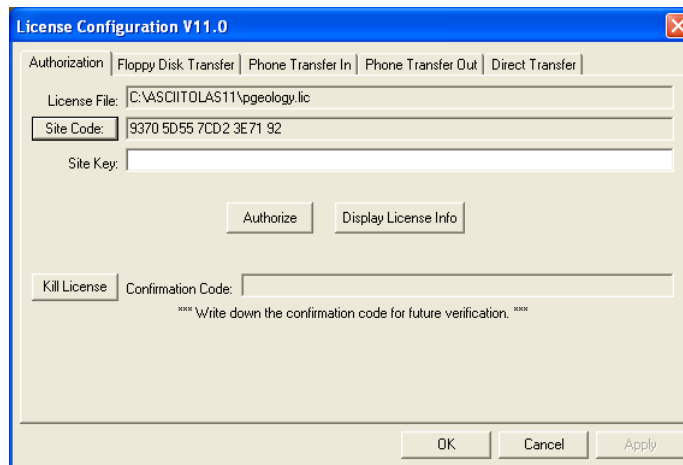



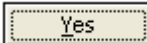

Crypkey Authorization for the ASCII to LAS Builder

The user may need further evaluation time or they may need temporary license activation because of a malfunction HASP hardware key. To do this, proceed with the following steps.




- 1.) 1.) Click on the  button on the toolbar and click on **All Programs** and select **ASCII to LAS V11**. Then click on the  selection. This will activate the Select License file window.
- 2.) Click on the **pgeology.lic** file name in the ASCIItoLAS11 folder and then click on the  button in the **Select License File** window to proceed.
- 1.) Acknowledge both the subsequent error message and the contact message by clicking on the  buttons. This will now activate the **License Configuration V11** window which will default to the Authorization Tab.



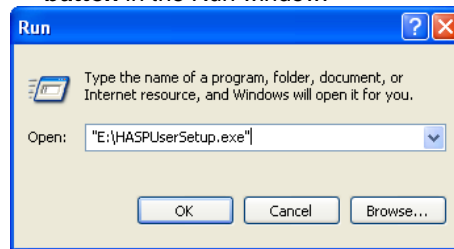
- 4.) Click on the  button within the window.
- 5.) This will activate a System message stating *"Site Code generation may take a few minutes. Do you wish to continue?"* Click on the  button.
- 6.) The *Site Code* will be generated and can then be displayed in the *Site Code* field. This number can be written down, copied and pasted and sent to Trivision via phone at (403) 777-9454, or email at support@powerlogger.com.
- 7.) Trivision will generate a *Site Key*. This number will have coded within it the number of days the program will be activated for and which modules you wish to purchase or evaluate. Type the site key number within the *Site Key* Field.
- 8.) Click on the  button. If successful you will get a message indicating so.


Hasp Hardware Key Driver Installation Procedure

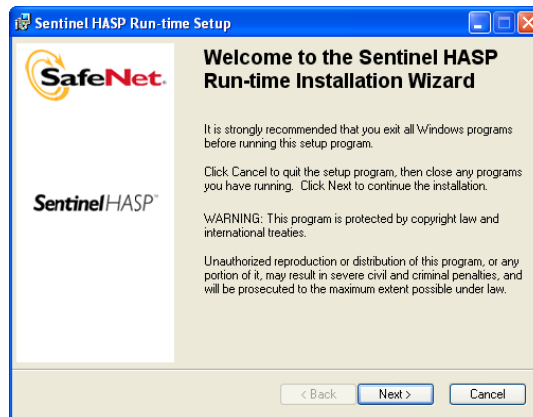
We have adapted our authorization from Version 3.0 onward with a Hasp Hardware Key. Once a Power*Suite program is loaded on a machine the user has simply to attach a Hasp Hardware key to the Parallel Port on their computer. The program is initially installed and protected by a software program. We have utilized a Software Authorization Program called Crypkey.Hasp Device Driver Installation


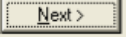
- 1.) If the AutoRun is still running **Select Install Hardware Key Driver** and then skip to step 3.
- 2.) a) **Click** on the  **button** on your task bar and then **click** on the **Run** selection. This will activate the Run window.
- 2.) b) Browse and select the **HASPUserSetup.exe** from the root drive of the the cd rom drive. Then

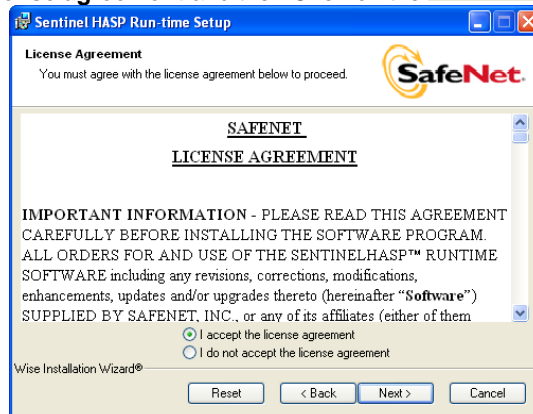
click on the  **button** in the Run window.

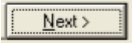


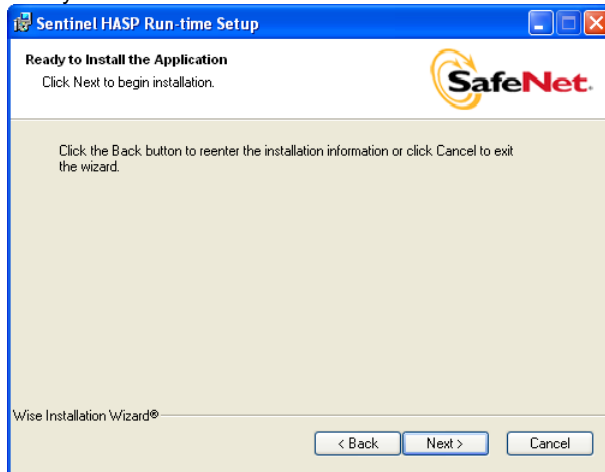
- 3.) This will activate the Sentinel HASP Run time Setup Welcome window. **Click** on the  **button**.



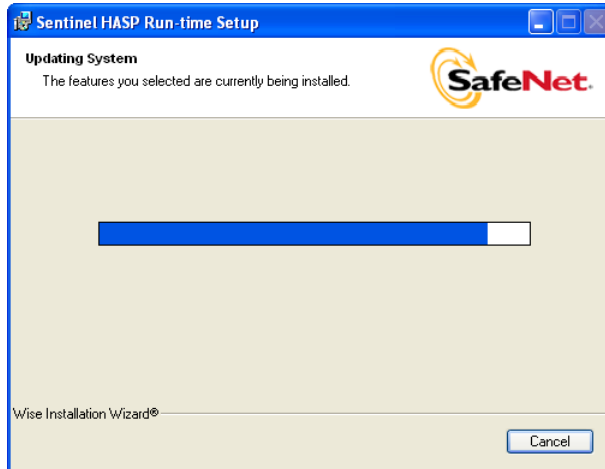
- 4.) This will activate the End User License Agreement for the Hasp Driver. **Click** on the radio button  beside **I accept the license agreement** and then **Click** on the  **button**



5.) This will activate the Ready to Install window. Click on the  button.

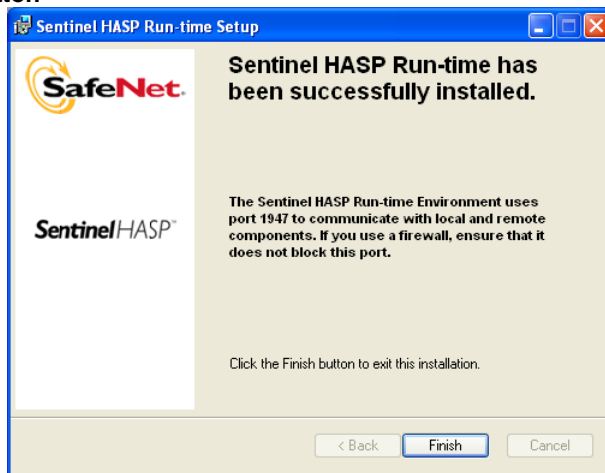


6.) This will initiate the install windows for the HASP device drivers.



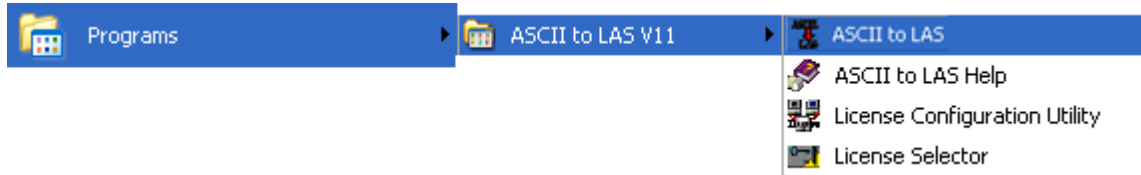
7.) When the installation is complete the program will activate the Finished window. Click on the


 button

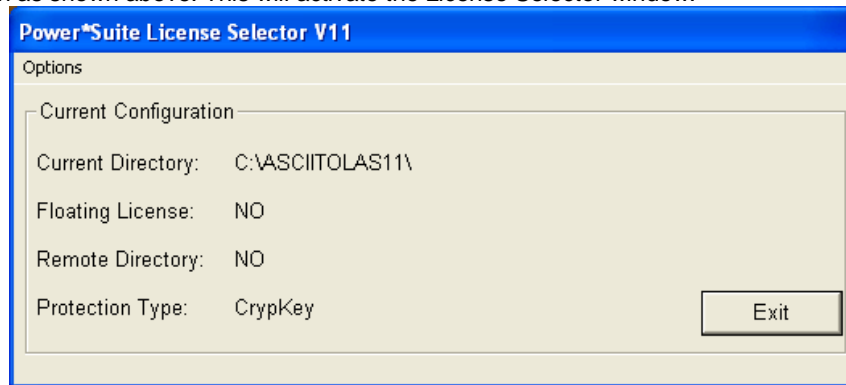


Hasp (Hardware Key) License Activation

To activate a Hasp (hardware) key the user must first place the Hasp (parallel port) key on the parallel port before the printer cable. If you have a USB Hasp key this must be placed on the USB port. If you have not installed the Hasp key driver on your computer you must insert the Power*Suite CD-ROM and run the executable (**hdd32.exe**) to enable the program to see the Hasp key.



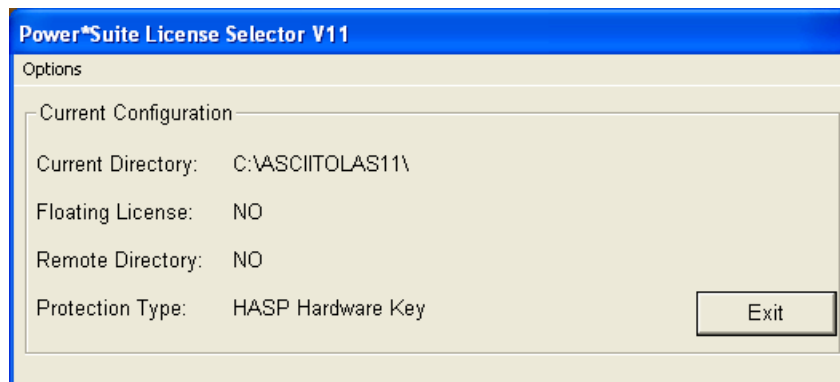
- 8.) 1.) To activate the Power*Suite License Selector **click** on the  **start** button on the toolbar and **click** on **All Programs** and select **ASCII to LAS V11**. Then **click** on the selection as shown above. This will activate the License Selector window.



- 2.) **Click** on the **Options** selection to view the pull down menu.



- 3.) **Select HASP**. The Protection type should read HASP Hardware Key as viewed in the Power*Suite License Selector window shown below.




- 4.) **Click** on the  **Exit** button

You are now ready to run the ASCII to LAS builder from your Authorized Hasp Key.

Hasp Hardware Key Upgrade Procedures

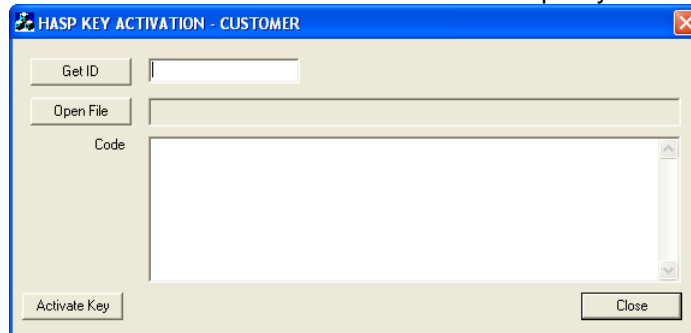
The following are the instructions on how to update your HASP key, either a hardware key or USB key.

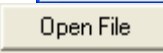
We have adapted our authorization from Version 3.0 onward with a Hasp Hardware Key. Once a Power*Suite program is loaded on a machine the user has simply to attach a Hasp Hardware key to the Parallel Port on their computer. The program is initially installed and protected by a software program. We have utilized a Software Authorization Program called Crypkey.

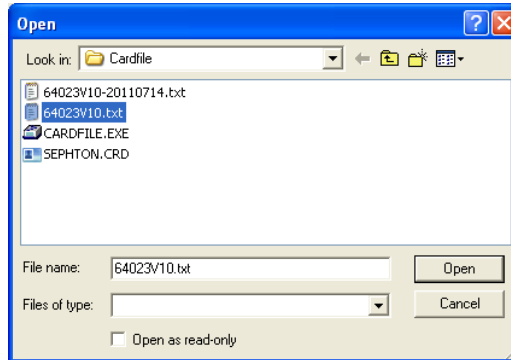
- 1.) Click on the  button on the toolbar and click on **All Programs** and select **ASCII TO LAS V11**. Then select the **Hasp key update tool selection**, and then click on the




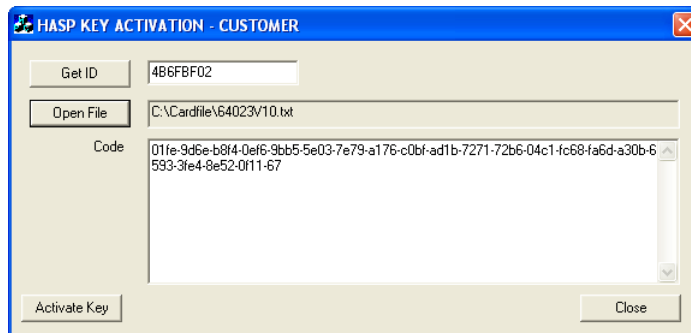
selection.. This will activate the Hasp Key Activation window.

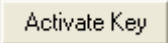


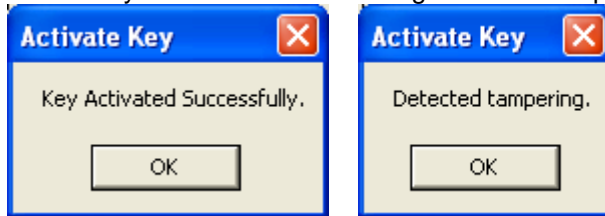
- 2.) Click on the  button. This will activate the open file window and locate the codes that were sent to you via email or other means. If you do not have email then you will have to fill in this Code field by hand.



- 3.) Click on the  button and the codes will then be viewed in the activation window as shown below.



4.) Click on the  button. If done successful you will receive a system message as shown below. Or if unsuccessful you will receive a message such as tampering as shown below.



5.) Click on the  button to close the window.

ASCII to LAS Builder Module

Introduction

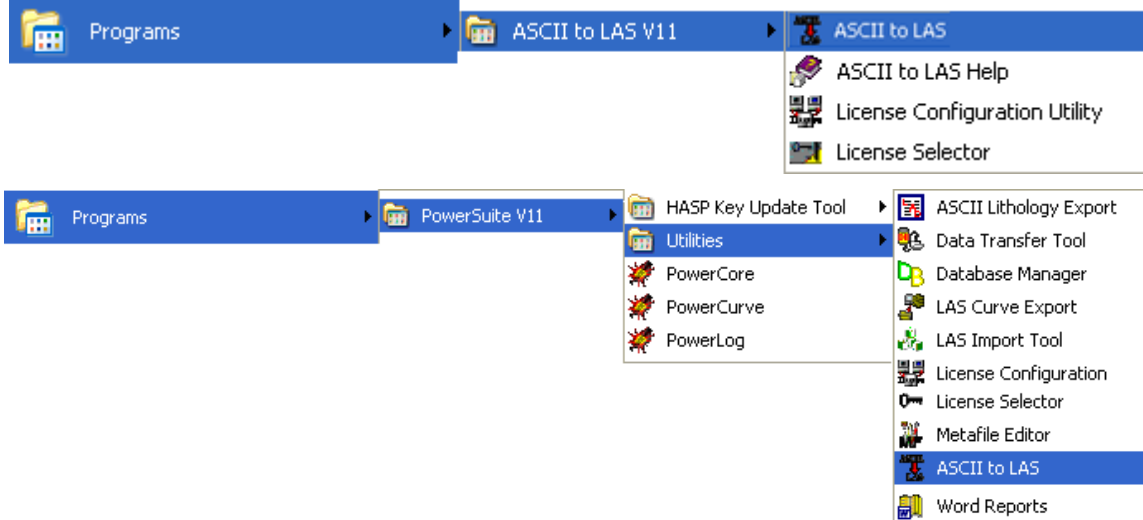
The purpose of this builder is to give the user the ability to take any ASCII data file and transform the file into a Log ASCII Standard (LAS) file, which has become a standard with respect to the Canadian Well Logging Society (CWLS).


You can think of a LAS file as an ASCII file with a standardized header portion. This header portion must contain certain data to conform to the CWLS standard. Some of the things the header portion of the file must contain are:

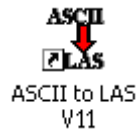
- LAS Version Number
- Well Information Section
- Start Depth
- Stop Depth
- Curve Depth Increment
- No Data Flag or Null Value
- Well Name
- Date
- UNIQUE WELL ID (UWI)
- Curve Information Section
- Curve Name and Units, API Codes and Curve Description

Generally the process the user goes through when creating an LAS file is to strip off any of the original header information of the ASCII file and to place on top the header file that is generated during the four (4) step process. Then this Header file, which the program refers to as a configuration file (*.lah) is saved automatically for you. The configuration file (*.lah) that you have created can then be used for the next ASCII file if it has similar data columns. If the ASCII file is different and you do not have a configuration file for that set of ASCII data then the building process must be done again.

How to Build an LAS file from an ASCII file (No current configuration file present)




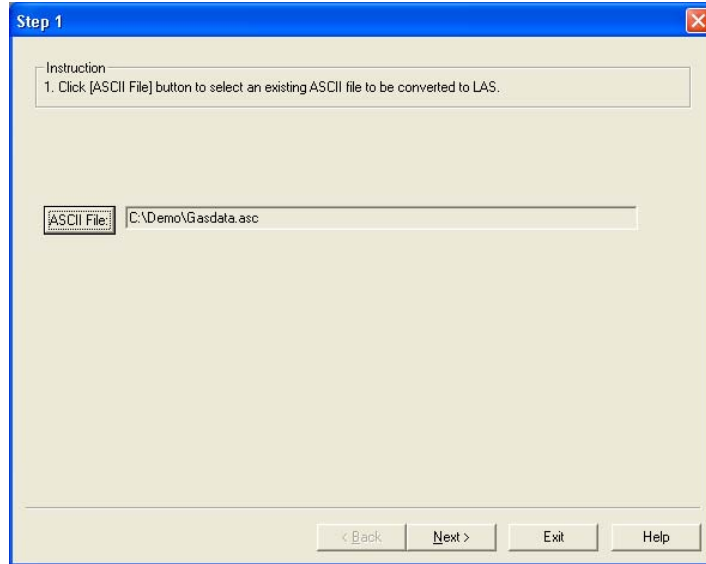
1. Click on the  **start** button on the taskbar and click on **All Programs** and select **POWER*SUITE_V11**. Then, select **Utilities** and click on the **ASCII to LAS Builder**



2. Click on the **New Icon** on the toolbar **OR** click on **New** under the **File** menu selection to activate the **ASCII to LAS Builder Step 1** tab window.

Step 1

1. Click on the  **ASCII File:** button to select the ASCII file to be converted to LAS. This will activate the **Open ASCII File** window. **Select the existing ASCII file** to be converted from this window. This will fill in the field with the path and file name.



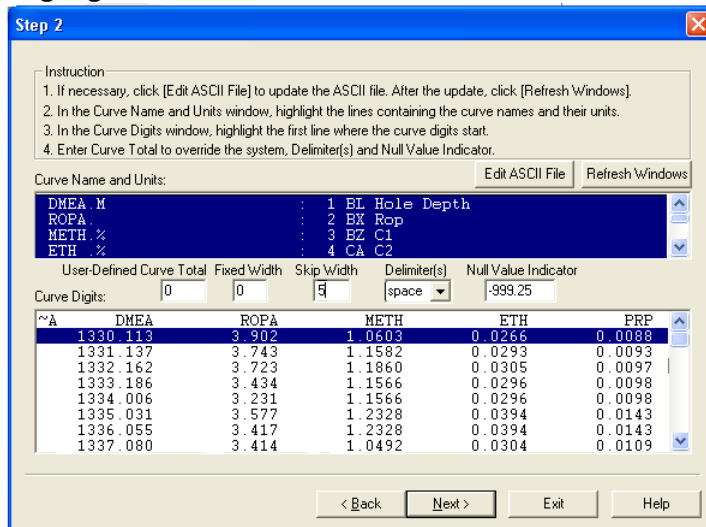
2. Click on the **Next >** button. This will activate the **Step 2** window, which will enable the user to specify the ASCII file parameters.

Step 2

(Optional) The user may wish to edit the ASCII file by clicking on the **Edit ASCII File** button. You may also wish to view the ASCII file in its entirety to check out the null value, the type of column delimiter used by the file and to see the structure of the file in general. This will open the designated ASCII file in Microsoft Word Pad. **The user can Edit the file and then save as a Text Document.** Once this has been done you will want to refresh the File Parameters window

with the changes you have made by clicking on the **Refresh Windows** button to view the changes that you have made within the Step 2 window.

The **Curve Name and Units** field portion of the Window gives you the first 100 lines of the ASCII file. Highlight the curve names and units lines of the ASCII file so you can use them to identify the columns in the next window Step 3(Specify curve heading parameters). To do this **click on the rows that contain the curve header information** (if they exist in the ASCII file header). **The rows will become highlighted.**



3. **(Optional)** The **User Defined Curve Total field** works in conjunction with the Fixed Width field if the ASCII file does not have a delimiter associated with the columns as is a fixed width type of ASCII file. The ASCII file may have spaces where there would be a value. If this is the case the user must figure out how many columns of fixed width there is in the ASCII file and **type (a number)** in this field with the appropriate number of columns.

(Optional) The **Fixed Width field** works in conjunction with the User Defined Curve Total field which allows the user to define the number of characters each column has if a delimiter is not used. ie. If the file has no delimiters and the columns are of fixed width (10 characters) then the user can **type (a number)** to specify these parameters in this field.


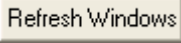
(Optional) The **Skip Width field** is used if there is some text or spaces before the first column of digits. The user would have to figure out how many characters are present and **type (a number)** in this field to specify the number of characters to be skipped when initializing the data portion of the file.


The **Delimiter field** must be filled in the appropriate column delimiter. This is a combo box where the user can **select** from the **list OR type** in the field the **column delimiter**.

The **Null Value Indicator field** must be filled in with the correct Null Value if there is one for the ASCII file.

The **Curve Digits field** portion of the Window gives you the first 100 lines of the ASCII file. The user must **click on or highlight the first line of digital data** with your mouse pointer.

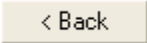
This is the starting point or first line of digital data, which will then be added to header portion of the file to create the LAS File.

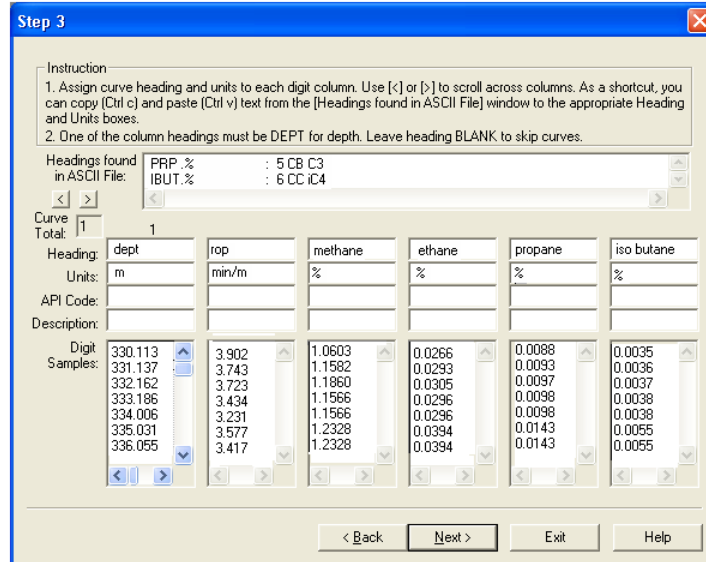
Note: If you have more than 100 lines of header before the first line of digits you must edit the ASCII file. To do this the user will **click** on the  **button**. This will open the ASCII file in Microsoft Word Pad. Edit the file by deleting some of the excess header information and save as a Text Document. Once this has been done you will want to Refresh this window with the changes you have made by clicking on the  **button** to view the changes that you have made. Now you should be able to highlight the first line of digits.

4. **Click** on the  **button** to activate the **Step 3** window to specify curve heading parameters.

Step 3

This window will allow the user to specify the curve heading or name and the curve units, as well as the curves API code and Curve Description or long name for each column of curve data. If the user highlighted the rows that contained the Curve Name and units in the Curve Name and Units field portion of the previous window you should view these names in the Headings found in ASCII File portion of the window.

Note: If the user does not see separate columns of curve data in the Digit Samples fields then the user has not correctly identified the delimiter field in Step 2. **Click** on the  **button** and correctly identify the column delimiter.



Identify each curve column of curve data you wish to include in your LAS file by **typing** in a **Curve name**, the **curve units**, the curve **API Code** and the **Curve Description** (long name) if you wish to include the curve data into your LAS file. This can be done by cutting and pasting from the Headings found in ASCII File portion of the window or by typing in the appropriate data in their respective fields. **If you wish to skip the curve in the LAS file then leave the fields blank.**

Note: The curve API Code and Curve Description fields are not mandatory.

Once the first 6 column have been filled in and there are more curve columns of data to be included in your LAS File you will want to **click** on the **< >** **buttons** found above the Curve Total field. This will display the curve columns 7-12. **Repeat step 1.** Do this until all the columns you wish to include in the LAS file have been identified.

Note: **One of the Columns identified must be Depth** in the ASCII file for this builder to work. If there is no Depth column you will not be able to create a LAS file. The **Depth column must be identified** in the Heading field with a **DEPT** heading and an **m** (for metric) or **ft** (for imperial) in the units field. The Depth column will become the first column in your LAS File when generated.

Once all the Curve columns and a Depth column has been identified to be included in the LAS file then **click** on the **Next >** **button**. This will activate the **Step 4** window.

Step 4

Step 4

Instruction

1. Enter the API or UWI (Unique Well Identifier) to which the curves belong.
2. You may optionally enter a well name.
3. If necessary, click [Configuration File] to choose another file to save the curve configuration.
4. Click [LAS File] to choose a file to store the LAS information. If the file exists, it will be overwritten.
5. Click [Create LAS] to generate the LAS file based on the configuration built in the previous pages.
6. Click [View LAS] to inspect the newly generated LAS file.

UWI : 100121203416W500 Well Name: ABC Oil et al Anywhere

Country: Canada Log Date: May 28, 2002

Other Header Details: Format - MNEM.UNIT:Data Type:Information

This could be anything: Other: Than what you want
Should be: relevant: to the file

Configuration File: C:\Demo\Sperry.lah

ASCII File: C:\Demo\Gasdata.asc

LAS File: C:\Demo\resulting las file.las

Inverse Depths

< Back Next > Exit Help

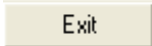
1. **Select** either **API** or **UWI** from the drop box.
 2. **Type** in the **API** or **UWI** code in the field beside the API or UWI drop box.
 3. **(Optional)** **Type** in the **Well Name** into the Well Name field.
 4. **(Optional)** **Type** in or **Select** the **Country** from the Country drop box.
 5. **(Optional)** **Type** in the **Date** into the Log Date field.
- (Optional)** **Type** in any other **header details** in the appropriate field with the correct format.

ie.

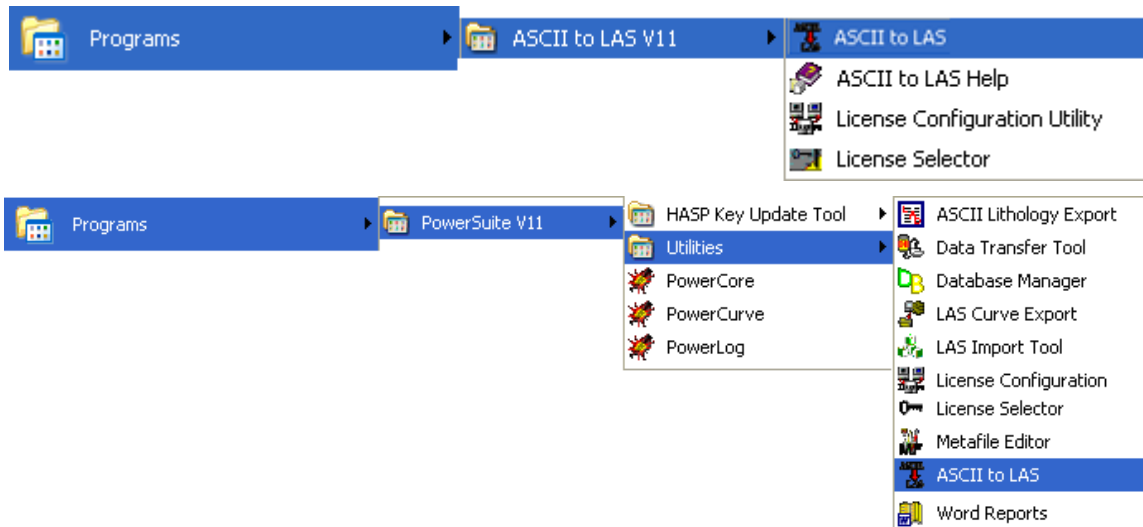
COMP:ANYBODY ENERGY LTD:COMPANY
 FLD:ANYWHERE:FIELD NAME
 LOC:DLS4-12-16-18W4:WELL LOCATION
 PROV:ALBERTA:PROVINCE
 SRVC:SCHLUMBERGER:LOGGING SERVICE COMPANY
 LIC:0191104:ERCB LICENSE NUMBER


Note: There are no spaces before or after the colons. The builder will space them for you.

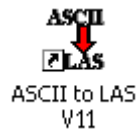
6. **Click** on the **Configuration File:** **button** and **type** in an appropriate **LAH file name** and direct it to a specific directory and drive for the file to be saved to. This configuration file can then be reused when you have similar ASCII files in which you want to create a LAS file for.
7. **Click** on the **LAS File:** **button** and **type** in an appropriate **LAS file name** and direct it to a specific directory and drive for the file to be saved to.
8. **(Optional)** If you wish the depths in your LAS file to be inverted (from descending to ascending order) **click** on the **Inverse Depths** selection. If selected it should have a check mark in this field.
9. **Click** on the **Create LAS** **button**. This will activate the Building LAS window and you will view the status of the building. When it is finished it will display a system message telling the user LAS File created successfully.
10. **(Optional)** If the user wishes to View the LAS file just created they can **click** on the **View LAS** **button** which will activate Microsoft Word Pad which will then show the file. If the user wishes to make any changes or additions to the file they can do so now and then **save changes as a Text Document**.

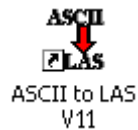
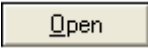
11. **Click** on the  **button** to finish your session and put you back into the main ASC to LAS Builder window.
12. **Click** on **Exit** under the **File** menu selection to terminate your ASCII to LAS Builder session.

How to Generate a LAS file from An ASCII file (With a valid configuration file already saved for a particular ASCII file set)


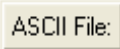


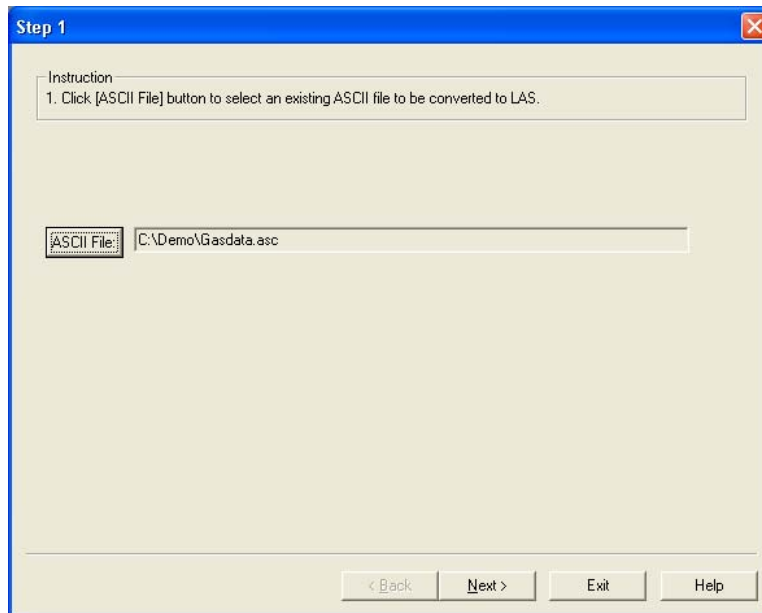
1. Click on the  **start** button on the Task bar, and click on **All Programs** and select **POWER*SUITE_V11** Then, select **Utilities** and click on the **ASCII to LAS**



- selection.** Or click on the  icon on your Desktop. You will see the **ASCII to LAS Builder** Window.
2. Click on the **Open Icon** on the toolbar **OR** click on **Open** under the **File** menu selection to activate the **Open Configuration File** window.
3. In this window you can **select** the appropriate **configuration file** (*.lah) for the ASCII file you wish to create a LAS file for. Once the appropriate configuration file (*.lah) has been found select it by **double clicking** on the **file name** or by clicking on it once and then clicking on the  **Open** button. This will activate the **ASCII to LAS Builder Step 1** window.

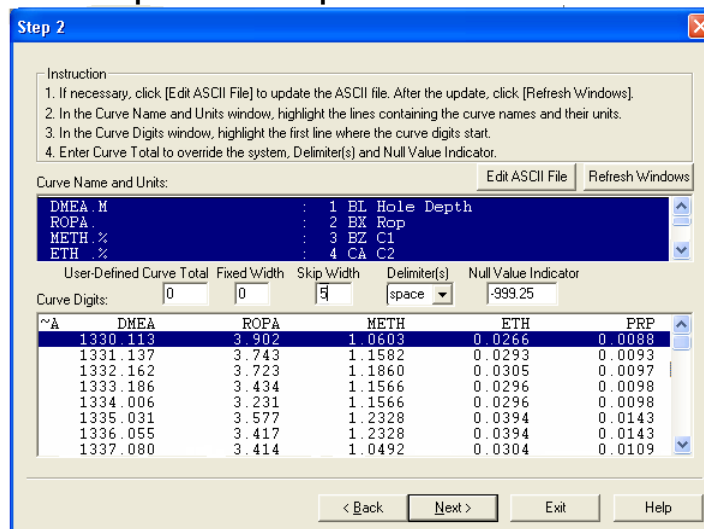
Step 1

1. Click on the  **Next >** button to select the ASCII file to be converted to LAS. This will activate the Open ASCII File window.
2. **Select** the existing **ASCII file** to be converted from this window by selecting the correct drive and directory and double clicking on the file name. This will fill in the field with the path and file name.
3. Click on the  **ASCII File:** button. This will activate the **Step 2** window, which will enable the user to specify the ASCII file parameters.



Step 2

If the ASCII file **configuration is identical** to the previous one that this configuration file has been saved for, the user can **proceed to Step 8**.



- (Optional) The user may wish to Edit the ASCII file by **clicking on the Edit ASCII File button**. You may also wish to view the ASCII file in its entirety to check out the null value, the type of column delimiter used by the file and to see the structure of the file in general. This will open the designated ASCII file in Microsoft Word Pad. **The user can Edit the file and then save as a Text Document**. Once this has been done you will want to refresh the File Parameters window with the changes you have made by **clicking on the Refresh Windows button** to view the changes that you have made within the Step 2 window.
- (Optional) The **Curve Name and Units field** portion of the Window gives you the first 100 lines of the ASCII file. Highlight the curve names and units lines of the ASCII file so you can use them to identify the columns in the next window Step 3(Specify curve heading parameters). To do this **click on the rows that contain the curve header information** (if they exist in the ASCII file header). **The rows will become highlighted**.

6. **(Optional)** The **User Defined Curve Total field** works in conjunction with the Fixed Width field if the ASCII file does not have a delimiter associated with the columns as is a fixed width type of ASCII file. The ASCII file may have spaces where there would be a value. If this is the case the user must figure out how many columns of fixed width there is in the ASCII file and **type (a number)** in this field with the appropriate number of columns.

(Optional) The **Fixed Width field** works in conjunction with the User Defined Curve Total field which allows the user to define the number of characters each column has if a delimiter is not used. ie. If the file has no delimiters and the columns are of fixed width (10 characters) then the user can **type (a number)** to specify these parameters in this field.

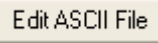
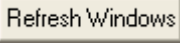
(Optional) The **Skip Width field** is used if there is some text or spaces before the first column of digits. The user would have to figure out how many characters are present and **type (a number)** in this field to specify the number of characters to be skipped when initializing the data portion of the file.


7. **(Optional)** The **Delimiter field** must be filled in the appropriate column delimiter. This is a combo box where the user can **select** from the **list OR type** in the field the **column delimiter**.

(Optional) The **Null Value Indicator field** must be filled in with the correct Null Value if there is one for the ASCII file.

The **Curve Digits field** portion of the Window gives you the first 100 lines of the ASCII file. The user must **click on or highlight the first line of digital data** with your mouse pointer.

This is the starting point or first line of digital data which will then be added to header portion of the file to create the LAS File.

Note: If you have more than 100 lines of header before the first line of digits you must Edit the ASCII file. To do this the user will **click** on the  **button**. This will open the ASCII file in Microsoft Word Pad. Edit the file by deleting some of the excess header information and save as a Text Document. Once this has been done you will want to Refresh this window with the changes you have made by **clicking** on the  **button** to view the changes that you have made. Now you should be able to highlight the first line of digits.

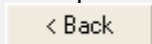
8. **Click** on the  **button** to activate the **Step 3** window to specify curve heading parameters.

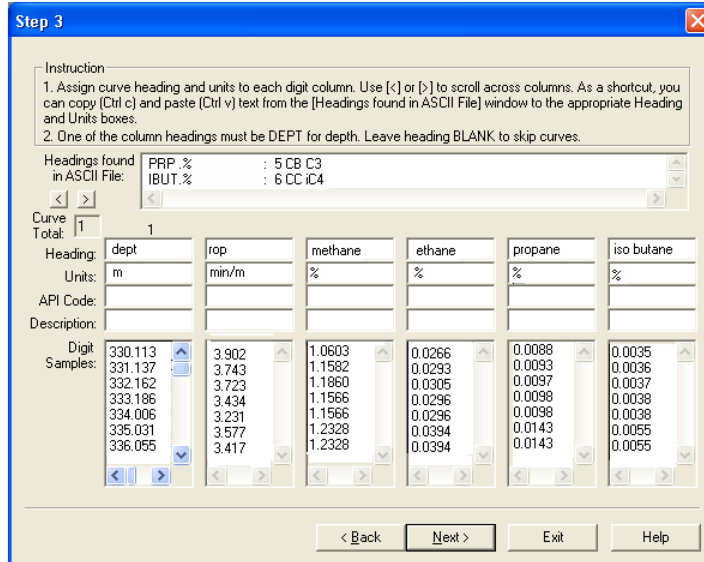
Step 3

If the **ASCII file configuration is identical** to the previous one that this configuration file has been saved for, the user can proceed to **Step 4**.

If the user highlighted the rows that contained the Curve Name and units in the Curve Name and Units field portion of the previous window you should view these names in the Headings found in ASCII File portion of the window.

This window will allow the user to specify the curve heading or name and the curve units, as well as the curves API code and Curve Description or long name for each column of curve data.

Note: If the user does not see separate columns of curve data in the Digit Samples fields then the user has not correctly identified the delimiter field in Step 2. **Click** on the  **button** and correctly identify the column delimiter.



Curve name, the **curve units**, the curve **API Code** and the **Curve Description** (long name) if you wish to include the curve data into your LAS file. This can be done by cutting and pasting from the Headings found in ASCII File portion of the window or by typing in the appropriate data in their respective fields. **If you wish to skip the curve in the LAS file then leave the fields blank.**

Note: The curve API Code and Curve Description fields are not mandatory.

Once the first 6 column have been filled in and there are more curve columns of data to be included in your LAS File you will want to **click** on the **<** **>** **buttons** found above the Curve Total field. This will display the curve columns 7-12. **Repeat step 1.** Do this until all the columns you wish to include in the LAS file have been identified.

Note: **One of the Columns identified must be Depth** in the ASCII file for this builder to work. If there is no Depth column you will not be able to create a LAS file. The **Depth column must be identified** in the Heading field with a **DEPT** heading and an **m** (for metric) or **ft** (for imperial) in the units field. The Depth column will become the first column in your LAS File when generated.

Once all the Curve columns and a Depth column has been identified to be included in the LAS file then **click** on the **Next >** **button**. This will activate the **Step 4** window.

Step 4

Step 4

Instruction

1. Enter the API or UWI (Unique Well Identifier) to which the curves belong.
2. You may optionally enter a well name.
3. If necessary, click [Configuration File] to choose another file to save the curve configuration.
4. Click [LAS File] to choose a file to store the LAS information. If the file exists, it will be overwritten.
5. Click [Create LAS] to generate the LAS file based on the configuration built in the previous pages.
6. Click [View LAS] to inspect the newly generated LAS file.

UWI : 100121203416W500 Well Name: ABC Oil et al Anywhere

Country: Canada Log Date: May 28, 2002

Other Header Details: Format - MNEM.UNIT:Data Type:Information

This could be anything. Other: Than what you want
Should be: relevant: to the file

Configuration File: C:\Demo\Sperry.lah

ASCII File: C:\Demo\Gasdata.asc

LAS File: C:\Demo\resulting las file.las

Inverse Depths

< Back Next > Exit Help

If none of the Well Parameters have changed you can proceed or skip to **step 8**. It would be wise to check the information in the appropriate fields for accuracy of data from the previously saved header file.

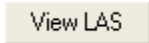
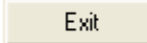
1. **(Optional) Select** either **API** or **UWI** from the drop box.
2. **(Optional) Type** in the **API or UWI code** in the field beside the API or UWI drop box.
3. **(Optional) Type** in the **Well Name** into the Well Name field.
4. **(Optional) Type** in or **Select** the **Country** from the Country drop box.
5. **(Optional) Type** in the **Date** into the Log Date field.

(Optional) Type in any other **header details** in the appropriate field with the correct format.
ie.

```
COMP:ANYBODY ENERGY LTD:COMPANY
FLD:ANYWHERE:FIELD NAME
LOC:DLS4-12-16-18W4:WELL LOCATION
PROV:ALBERTA:PROVINCE
SRVC:SCHLUMBERGER:LOGGING SERVICE COMPANY
LIC:0191104:ERCB LICENSE NUMBER
```

Note: There are no spaces before or after the colons. The builder will space them for you.

6. **Click** on the **Configuration File:** **button** and **type** in an appropriate **LAH file name** and direct it to a specific directory and drive for the file to be saved to. This configuration file can then be reused when you have similar ASCII files in which you want to create a LAS file for.
7. **Click** on the **LAS File:** **button** and **type** in an appropriate **LAS file name** and direct it to a specific directory and drive for the file to be saved to.
8. **(Optional)** If you wish the depths in your LAS file to be inverted (from descending to ascending order) **click** on the **Inverse Depths** selection. If selected it should have a check mark in this field.
9. **Click** on the **Create LAS** **button**. This will activate the Building LAS window and you will view the status of the building. When it is finished it will display a system message telling the user LAS File created successfully.

10. **(Optional)** If the user wishes to View the LAS file just created they can **click** on the  **button** which will activate Microsoft Word Pad which will then show the file. If the user wishes to make any changes or additions to the file they can do so now and then **save changes as a Text Document**.
11. **Click** on the  **button** to finish your session and put you back into the main **ASCII to LAS Builder** window.
12. **Click** on **Exit** under the **File** menu selection. This will terminate your ASCII to LAS Builder session.