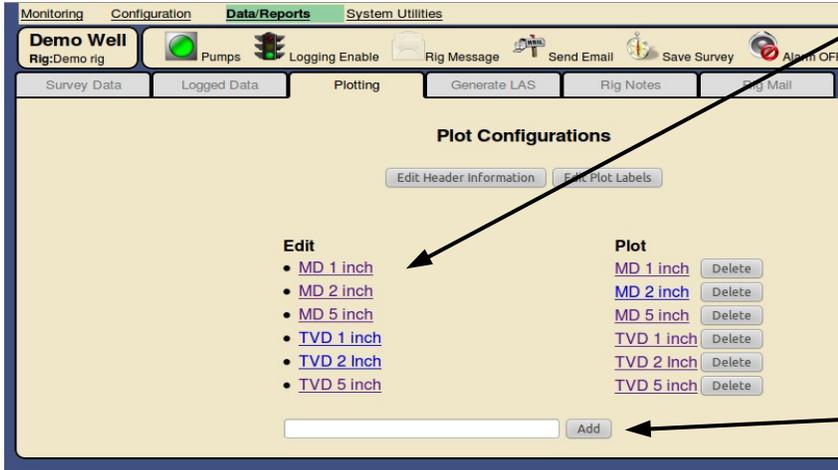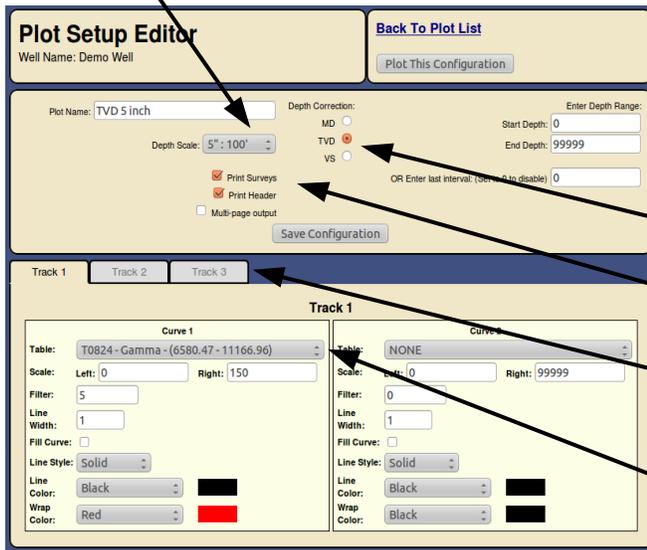# Log Plotting

User defined PDF log plots can be created by going to the **Data/Reports** section and clicking the **Plotting** tab. A previously configured plot can be edited by clicking on it's link

Or a new plot can be created by entering a name for the plot and clicking the **Add** button

In the plot editor you can select a depth scale from the pull-down selector

Enter the measured depth depth range

Alternately, only the last '**N**' feet of data can be plotted by entering the range here

MD or TVD depth corrections

Put surveys in track #3

Track edit selector tabs

Select the data to plot in Track #1 from the pull-down list (Up to 2 curves per track)

For each data curve the following can be defined:
Scale – Left and right scales (can be reversed if desired)
Filter – Data averaging filter settings (typically 1-4 data point averaging)
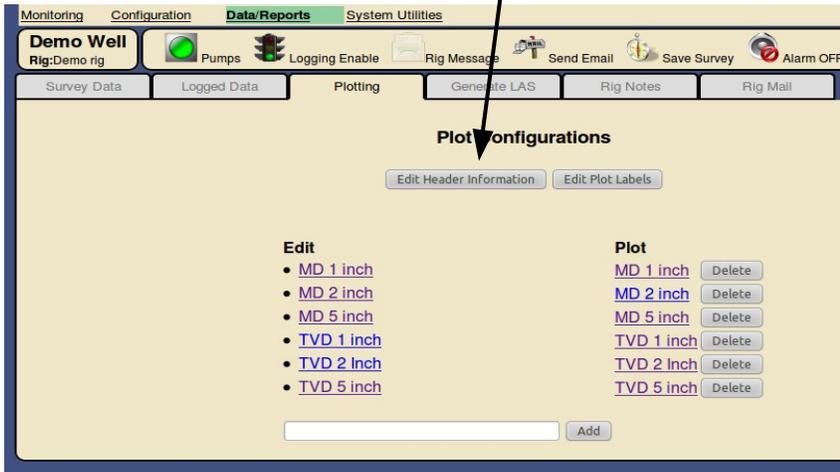**Line width** – in pixels
Fill curve – will fill the curve with the selected color below
Line style – Choices of solid, dashed or dotted
Line color – The color for the data within the Scale range defined above
Wrap color – The color for data that goes beyond the maximum scale defined above

Each plot configuration shares one common set of header information. Click the **Log Header Information** button to edit the data

Optionally enter a **Plot Title** here otherwise the **Well Name** is used by default if blank

Enter up to 7 lines of user defined labels and information

The remainder of the header information conforms to the minimum requirements by most organizations

The resulting header appears a shown below

Polaris Guidance Systems LLC.

MD
Demo Well
5":100'

Company:	Demo Company
Well Name:	Demo Well
UWI:	
Rig Id:	Demo rig
State:	Texas
Country:	USA
Survey Company:	Polaris Guidance Systems
Job number:	
MWD Operator 1	Tony Stefano
MWD Operator 2	Justin Sullivan

Plot title, depth correction and depth scaling

Standard well information

Up to 7 lines of user-defined labels and information

Log measurements: gamma, ROP
Depth measured from: DF
Maximum temperature: 123

	Depth	Date
Start:	7000 ft	01/20/2010 11PM
End:	12218 ft	01/29/2010 3AM

Casing	Depth	Size
Surface:	7000	11 7/8
Intermediate:	9800	9.5

Mud Type: Oil based
Density: 10 ppg
Viscosity: 123.4
Rm: 1500   **Rmf:** 2119   **Rmc:** 585

Elevations
KB:
GL: 42
DF: 20

Run	Bit Size	Offsets Gamma	Survey	Depths Start	End	Dates Start	End
1	9 5/8	42.00	50.00	7100	9815	01/20/2010 11PM	01/22/2010 4PM
2	9.5	40.00	52.00	9815	12218	01/23/2010 1AM	
3							
4							
5							
6							
7							
8							
9							
10							

Comments: Started job at 7000 foot tie-in

Polaris Guidance Systems uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.