## **Re-logging Gamma For Comparison**

To re-log a portion of the bore hole turn on the "**Relog**" function by clicking the icon in the toolbar as shown below. A warning message will pop up indicating that this function is enabled.



NOTE: Previous versions of the software was ALWAYS in re-logging mode in that it would never overlap original data. This has changed in that you must enable re-logging manually.

Also note that the re-logging mode will track the <u>bit depth</u> during logging. Previously the re-logging used the hole depth which would have to be reset on the drill floor.

The system will continually track the first and last depth recorded in the database for every WITS ID being logged. If the gamma data overlaps the depths in the original WITS ID the RDS system will **automatically** create a *duplicate* WITS ID for storing the data. The system will continue to write the gamma data to this *duplicate* ID until it no longer overlaps the original WITS ID. This ensures that the original gamma data never gets overwritten yet it is captured in the duplicate ID for later usage.

☑ <u>0113 ROP</u>	<b>0713 Inclination</b>	0835 Temperature
☑ <u>0117 WOB</u>	0715 Azimuth	20836 Temperature
0119 Rotary Torque	0716 MTF	6410 Confidence
2 0120 Rotary Speed	0717 GTF	G411 Pulse Amp
0121 Pump Press	0722 Dip Angle	6425 Standpipe
2 0128 Flow Out	0724 G Total	9824 Gamma(dups)
<b>0130 Flow In</b>	0823 Gamma	
🗹 0140 Gas Avg	🗹 0824 Gamma	

For instance, if the gamma WITS ID being logged is **0824** then any overlapping data will be written to WITS ID **9824** and it will be labeled to signify that this WITS ID is for duplicates.

The method the software uses in creating a duplicate ID is to change the very first digit from "**0**" to "**9**". The table below lists some of the typical IDs and their duplicates:

Original ID	Duplicate		
0823 (gamma)	9823		
0824 (gamma)	9824		
0835 (temperature)	9835		
0836 (temperature)	9836		
0815 (resistivity)	9815		
0819 (resistivity)	9819		



The steps required for re-logging are:

- 1. Position the bit depth to the point where re-logging should take place
- 2. Turn on "Relog"
- 3. Lower the pipe slowly then data received will be written to the *duplicate* ID
- 4. When completed turn "Relog" off

If you forget to turn "**Relog**" off the system will automatically switch back to the *original* WITS ID once it determines that the data does not overlap so that no data is lost or overwritten.

**NOTE**: You may want to display the *duplicate* ID on the real-time monitor by editing its configuration and selecting "Show in on-screen plots" as shown above.

For re-logging a section this duplicate WITS ID can be included in the configuration of the PDF plots as shown

Plot Setup Editor Well Name: Demo Well					Back To Plot List T0113 - ROP - (7001.00 - 11500.00) T0117 - WOB - (7000.16 - 11500.00)		
Track 1	Plot Name: Relog gamma 5 inch Depth Corre Mt Depth Scale: 5': 100' V Print Surveys Multi-page output Save			action: D  O O S O Configuration	10119 - Rotary Torque - (7000.16 - 11208.96) 07102 - Rotary Speed - (7000.16 - 11208.96) 10122 - Pump Press - (7000.16 - 11208.96) 10138 - Flow Unt - (7000.16 - 11208.96) 10130 - Flow In - (7000.16 - 11208.96) 10140 - Gas Avg - (10995.17 - 11208.96) 10709 - TVD - (6589.00 - 11100.00) 10713 - Inclination - (6589.00 - 11100.00) 10715 - Azimuth - (6589.00 - 11100.00) 10717 - GTF - (7000.03 - 11208.96) 10724 - Garma - (7000.42 - 11167.20) 10846 - Garmar - (7000.42 - 11167.20) 10846 - Garmare - (7000.42 - 11167.20		th Range 000 1999
Track 1				ck 1	T0836 - Temperature - (11160.08 - 11208.50) T6410 - Confidence - (7000.16 - 11209.20) T6411 - Pulse Amp - (7000.16 - 11209.20)		
Curve 1				NONE	(11110.50 11100.50)		
Table:	T0824 - Gamma - (	T0824 - Gamma - (7000.42 - 11167.20)		Table:	T9824 - Gamma(dups) - (11116.30 - 11166.90) 💌		
Scale: Left: 0 Right: 150 Filter: 4 Line Width: 1 Fill Curve: Line Stoyle: Solid  Wrap Color: Red			Scale: Filter: Line Width: Fill Curve: Line Style: Line Color: Wrap Color:	Left: 0 4 1 Solid V Blue V DarkRed V	Right: 150		

To transfer gamma data from the duplicate ID use the Copy function in the data editor as show:

