

Memory Module Data Import

Create unique WITS ID for data storage

Monitoring Data/Reports Configuration System Utilities

Demo Memory Gamma Rig:Memory Gamma

Well Info Email/Login Surveys WITS Ids Decoder WITSML Config

(Check WITS Ids to enable logging) **Wellsite Information Transfer Specification (Specificat**

<input checked="" type="checkbox"/> 0108 Bit Depth	<input checked="" type="checkbox"/> 0709 TVD	<input type="checkbox"/> 0835 Temperature
<input checked="" type="checkbox"/> 0110 Hole Depth	<input checked="" type="checkbox"/> 0713 Inclination	<input checked="" type="checkbox"/> 0836 Temperature
<input checked="" type="checkbox"/> 0113 ROP	<input checked="" type="checkbox"/> 0715 Azimuth	<input type="checkbox"/> 6410 Confidence
<input type="checkbox"/> 0117 WOB	<input type="checkbox"/> 0716 MTF	<input type="checkbox"/> 6411 Pulse Amp
<input type="checkbox"/> 0119 Rotary Torque	<input type="checkbox"/> 0717 GTF	<input type="checkbox"/> 6425 Standpipe
<input type="checkbox"/> 0120 Rotary Speed	<input type="checkbox"/> 0722 Dip Angle	<input type="checkbox"/> 9824 Gamma(dups)
<input type="checkbox"/> 0121 Pump Press	<input checked="" type="checkbox"/> 0723 VS	<input type="checkbox"/> 9836 Temperature(dups)
<input type="checkbox"/> 0128 Flow Out	<input type="checkbox"/> 0724 G Total	
<input type="checkbox"/> 0130 Flow In	<input type="checkbox"/> 0823 Gamma	
<input type="checkbox"/> 0140 Gas Avg	<input checked="" type="checkbox"/> 0824 Gamma	

T 9901 Add Delete

Add a unique WITS ID to store the memory gamma data

Demo Memory Gamma WITS List

WITS Parameter Editor

Description	On-screen Plotting	Alarm Settings
Enable Logging: <input checked="" type="checkbox"/> WITS Id: 9901 Name: Memory Gamma Run 1 Units: Decimal places: 0 Scale factor: 4.25 Depth to bit offset: 55 LAS Tag: mgam Note: LAS Filter recommended value is 0 LAS Filter: 0 Export To LAS: <input type="checkbox"/>	Show in on-screen plots: MWD <input type="checkbox"/> Directional <input type="checkbox"/> Operator <input type="checkbox"/> On-screen Plot Scaling (Set both to '0' to auto-scale) Plot Scale Left: 0 Plot Scale Right: 150 Logarithmic scale: <input type="checkbox"/>	Enable Alarm: <input type="checkbox"/> Alarm Low: -9999.9 Alarm High: 99999.9

Save Changes

Edit the new WITS ID. Give it a name, decimal point places, scale factor and bit offset information.

For gamma the scale factor and bit offset are very important.

Import data into new WITS ID

Monitoring Data/Reports Configuration System Utilities

Demo Memory Gamma Rig:Memory Gamma

Survey Data Logged Data Plotting Generate LAS Rig Notes Rig Mail

Logged Data In Database

[Import LAS File](#)

- T0108 Bit Depth (0 - 0)
- T0110 Hole Depth (7304.25 - 15355.10)
- T0113 ROP (6047.00 - 15355.10)
- T0117 WOB (0 - 0)
- T0119 Rotary Torque (0 - 0)
- T0120 Rotary Speed (0 - 0)
- T0121 Pump Press (0 - 0)
- T0128 Flow Out (0 - 0)
- T0130 Flow In (0 - 0)
- T0140 Gas Avg (0 - 0)
- T0709 TVD (5969.00 - 15284.00)
- T0713 Inclination (5969.00 - 15284.00)
- T0715 Azimuth (5969.00 - 15284.00)
- T0716 MTF (0 - 0)
- T0717 GTF (0 - 0)
- T0722 Dip Angle (0 - 0)
- T0723 VS (5969.00 - 15284.00)
- T0724 G Total (0 - 0)
- T0823 Gamma (0 - 0)
- T0824 Gamma (6003.00 - 15298.82)
- T0835 Temperature (0 - 0)
- T0836 Temperature (0 - 0)
- T6410 Confidence (0 - 0)
- T6411 Pulse Amp (0 - 0)
- T6425 Standpipe (0 - 0)
- T9824 Gamma(dups) (7249.25 - 9610.68)
- T9836 Temperature(dups) (0 - 0)
- T9901 Memory Gamma Run 1 (0 - 0)

Open the new WITS ID data editor

CSV File To Import:

Column number to read from:

File must be in a CSV format and the first column must be MD

LAS File To Import:

Column number to read from:

Timelog file to import:

Choose the memory module text file to import data from

Then click **"Import File"**

Timelog File Analysis

```

Database start date time: 01/02/2013 08:09:51
Database end date time: 01/09/2013 21:52:23

Tool date/time start 01/01/2000 00:03:58
Tool date/time end 01/10/2013 08:47:54
Tool file step rate: 10 seconds
Tool data from 01/01/2000 00:03:58 to 01/04/2000 09:40:10 starts before database

Tool segment from 01/04/2013 10:48:46 to 01/09/2013 21:52:18
No more database data after 01/09/2013 21:52:23
    
```

Select the time segment to import

Segments Within Database Range: 01/02/2013 08:09:51 to 01/09/2013 21:52:23

Date/Time	Depth	Profile
From: <input type="text" value="01/04/2013 10:48:46"/>	<input type="text" value="8343.26"/> <input type="button" value="Select"/>	
To: <input type="text" value="01/09/2013 21:52:18"/>	<input type="text" value="15300.01"/> Segment 1	

If more than one segment exists in the file they will be listed as shown below

```

Tool time jumped backward from 01/03/2013 22:54:06 to 01/03/2013 21:58:46 (00:55:20)
Tool segment from 01/03/2013 21:58:46 to 01/03/2013 23:04:46
Tool time jumped backward from 01/03/2013 23:04:46 to 01/01/2000 00:09:02 (4751 days 22:55:44)
Tool segment from 01/02/2013 08:10:00 to 01/04/2013 10:47:32
No more database data after 01/09/2013 21:52:23
    
```

Segments Within Database Range: 01/02/2013 08:09:51 to 01/09/2013 21:52:23

Date/Time	Depth	Profile
From: <input type="text" value="01/02/2013 08:10:00"/>	<input type="text" value="7249.25"/> <input type="button" value="Select"/>	
To: <input type="text" value="01/03/2013 22:54:06"/>	<input type="text" value="8098.01"/> Segment 1	
From: <input type="text" value="01/03/2013 21:58:46"/>	<input type="text" value="8060.89"/> <input type="button" value="Select"/>	
To: <input type="text" value="01/03/2013 23:04:46"/>	<input type="text" value="8110.17"/> Segment 2	
From: <input type="text" value="01/02/2013 08:10:00"/>	<input type="text" value="7249.25"/> <input type="button" value="Select"/>	
To: <input type="text" value="01/04/2013 10:47:32"/>	<input type="text" value="8343.26"/> Segment 3	

Create a plot configuration to display imported data

Plot Configurations

MD 1 inch	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
MD 2 inch	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
MD 5 inch	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Relog gamma 5 inch	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
TVD 1 inch	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
TVD 2 Inch	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
TVD 5 inch	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
VS 2 Inch	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

Create a new plot configuration:

Add a new plot configuration



Plot Setup Editor

Well Name: Demo Memory Gamma

[Back To Plot List](#)

Plot Name:

Depth Scale: Depth Correction: MD TVD VS

Major tic interval: Minor tic interval:

Enter Measured Depth Range: Start Depth: End Depth:

Multi-page output (8.5 X 11.0) Ignore PDF page length limit of 200 inches (Caution: May cause problems with Adobe Acrobat PDF Reader)

Print surveys

No header Short header Standard header Alternate header

Track 1 | Track 2 | Track 3

Logarithmic Scale

Curve 1

Table: Line Width: Line Style: Line Color: Wrap Color:

Scale: Left: Right: Filter: Fill Curve:

Curve 2

Table: Line Width: Line Style: Line Color: Wrap Color:

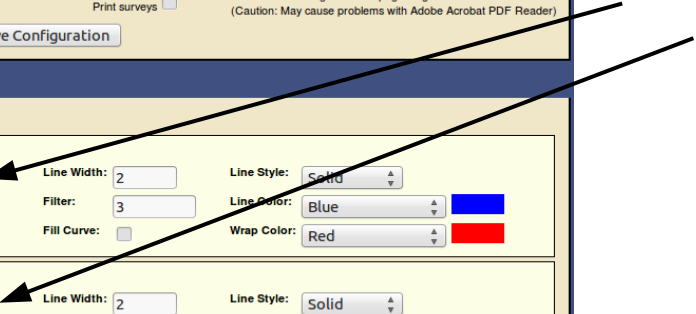
Scale: Left: Right: Filter: Fill Curve:

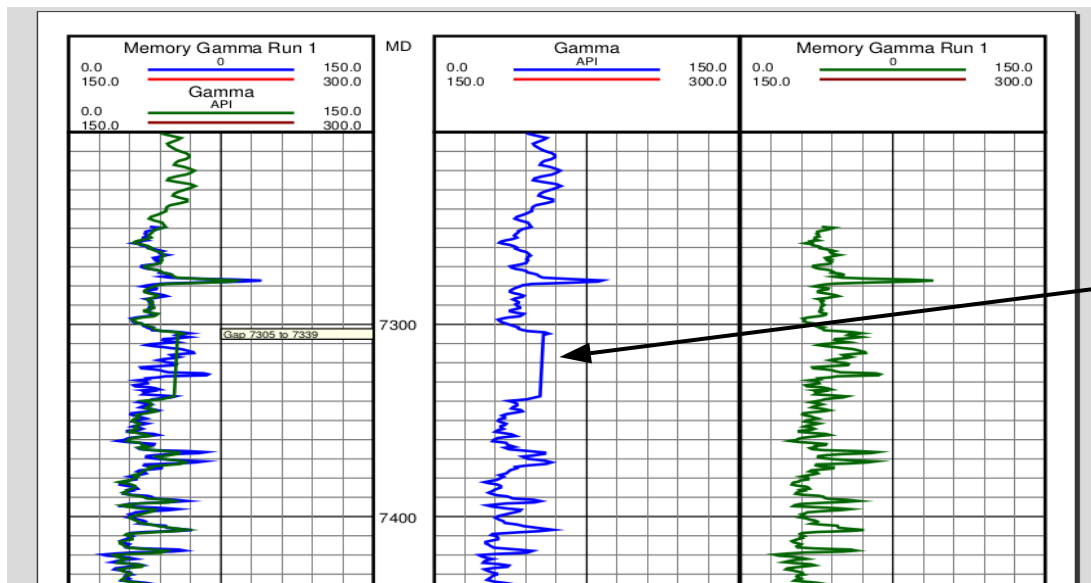
Curve 3

Table: Line Width: Line Style: Line Color: Wrap Color:

Scale: Left: Right: Filter: Fill Curve:

Include the memory gamma curve along with the MWD gamma





Plot the new configuration

Notice that there is a gap in the MWD gamma

Fill any gaps in real-time data with memory data

Demo Memory Gamma
Rig: Memory Gamma
[Back To Monitoring](#)

Edit Memory Gamma Run 1 Data
[Back To Logged Data List](#)

Edit Data
Delete Depths
Move Depths
Copy Depths
Bit Spacing
Rescale Data
Import Data

Copy from:

Start Depth

End Depth

Description:

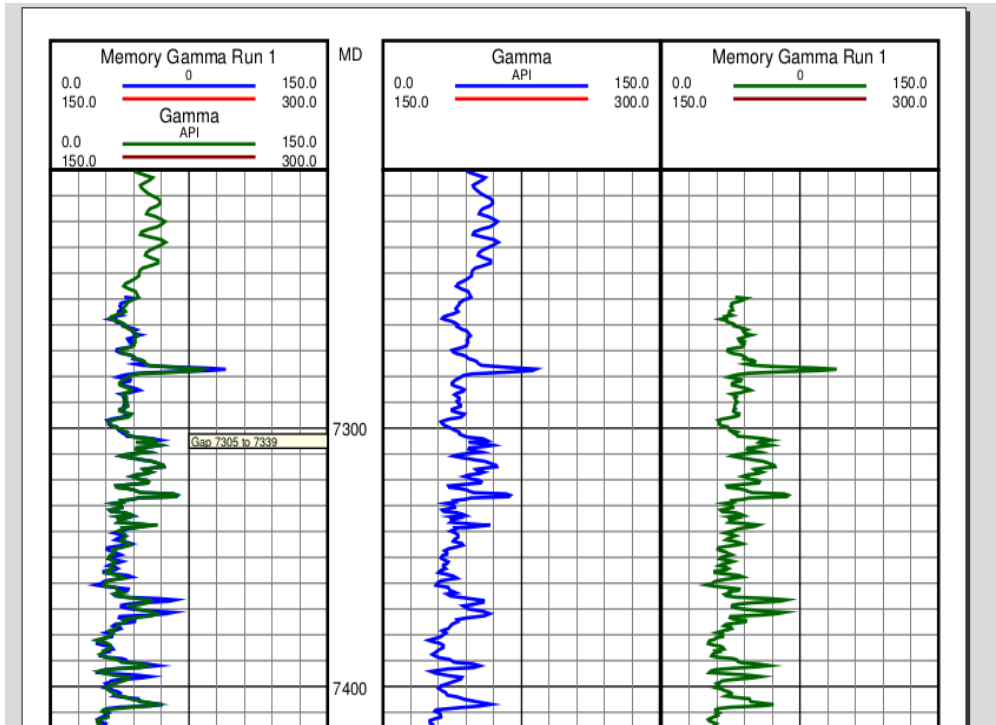
Copy Memory Gamma Run 1 data from "Start Depth" to "End Depth" to the specified WITS id. The data copied will begin at the "New Start Depth" value and continue downward.

Copy to:

New Start Depth

Open the memory gamma editor

Copy data from the memory gamma to the MWD gamma to fill in the gap



The results after copying from the memory gamma data