## **MWD Decoder Configuration**

Go to the **Configuration** section then click on the **Decoder** tab. Select the type of decoder you are using.



Next, go to the **Monitoring** section and click on the **MWD Decoder** tab. While the decoder is operating and the tool is sending data, make note of the WITS ID that the decoder is sending for Gamma

Monitoring	Data/Reports Configuration	System Utilities		
Demo Wel Rig:Demo rig	Pumps & Logging	💏 Email 🚯 Survey	Alarm	
Rig Data	MWD Decoder Rig WITS	Real-time Plots		
				$ \land \_ \land \_$
Parameter	Description	Value	Received	WITS Id
Inc	Inclination	1.6	2012-5-11 09:54:38	0713
TAzm	Azimuth	183.3	2012-5-11 09:55:06	0715
mTFA	Magnetic Toolface	141	2012-5-11 11:25:56	0716
IncT	Inclination Threshold	5	2012-5-11 11:25:56	0722
MagF	Total Magnetic Field	0.494	2012-5-11 09:55:47	0725
Grav	Total Gravity	1.004	2012-5-11 09:56:06	0726
DipA	Dip Angle	62	2012-5-11 09:55:28	0728
Gama	Gamma API (Scaled)	16	2012-5-11 11:25:24	0824
Temp	Temperature	129.2	2012-5-11 11:25:42	0836
BatV	Battery Voltage	27.7	2012-5-11 11:26:11	0921
LBat	Low battery 1	Off	2012-5-11 11:26:11	0922
Bat2	Battery 2 on/off	Off	2012-5-11 11:26:11	0923
OTemp	Over temperature	Off	2012-5-11 11:26:11	0924

In the sample image above, the WITS ID for Gamma is **0824** 

NOTE: The waveform display shown is only available with XXT and Keydrill decoders at this time

Go to the Configuration section and click on the WITS Ids tab. Check the gamma WITS Id that is being sent from the decoder. Make sure that the other WITS Id is not checked.

Monitoring Config	uration Data/Re	ports System Utilit	ties				
Demo Well Rig:Demo rig	Pumps 🐮	Logging Enable	Rig Message	end Email	Survey Survey		
Well Information	User Login/Email	Surveys	WITS Ids	Decoder	System Info		
(Check WITS ids to enable logging) <u>Wellsite Information Transfer Specification (Specification Website)</u>							
<u>⊠ 0113 R</u>	<u>OP</u>	Ø 0713 Inclination		0835 Temperature			
<u>⊠ 0117 W</u>	<u>IOB</u>	0715 Azimuth		0836 Temperature			
0119 Rotary Torque		0716 MTF		6410 Confidence			
0120 Rotary Speed		0717 GTF		6411 Pulse Amp			
O121 Pump Press		0722 Dip Angle		6425 Standpipe			
✓ 0128 Flow Out		Monthead Street Install					
Section 20130 Flow In		0823 Gamma					
<u>S 0140 G</u>	as Avg	Section 2012 12 12 12 12 12 12 12 12 12 12 12 12 1					
т	Add Delete						

Click on the link for the Gamma WITS ID being sent from the decoder to configure it's scale factor and other information

De	emo Well	Return			measurement for plots
Description		on Enable Logging: 🧭	On-screen Plotting Show in on-screen plots:	Alarm Settings Enable Alarm: S	Alarm tracking for notification popups
Nan	WITS ne: Gamma	ld: 0824	MWD 🗹 Directional 🗹	Alarm Low: -9999.9 Alarm High: 400	
Uni	Decimal places:	0	Operator 🐱	•	Monitoring screen selection
	Depth to bit offset:	42	(Set both to '0' to auto-scale) Plot Scale Left: 0	◀	On-screen plot scaling
	LAS Tag:	GR Export To LAS: S	Plot Scale Right: 150		
			Save Changes		LAS export information

When completed click Save Changes and repeat the same for temperature, if required.