

Gas Lag Depth

Many rig monitoring systems will send out WITS ID **0139** which is labeled as “**Depth Returns**” in the Wellsite Information Transfer Specification.

Specifically, **Depth Returns** is defined as:

The measured hole depth (lagged depth) that corresponds to the depth of returning mud/cuttings sample.

When logging gas (WITS ID **0140**) to the database it is more accurate to use this depth instead of the current hole depth. To enable the use of this depth for gas logging:

1. Create a WITS ID **0139** in the **Configuration** section and **WITS IDs** tab.
2. Name it “**Depth Returns**”
3. Make sure that **Enable Logging** is checked
4. Verify if the data for **0139** is an absolute depth or an offset to the current hole depth.

General Information

Enable Logging:

WITS id: 0139

Name: Depth Returns

Units: ft

NOTE: This WITS ID is used to adjust the depth at which gas is measured. Select below whether this is an offset to the current depth or the actual depth to be used for gas.

Use as depth offset:

If the depth reported from the rig monitoring system is an offset to the current hole depth check the box below.

Checking this box will subtract the **Depth Returns** value from the current hole depth.

Once the WITS ID is defined as above the gas will be logged into the database using this adjusted depth.

If you move to another rig which does not have WITS ID **0139** reporting simply uncheck “**Enable Logged**” and the system will use the current hole depth as it would normally for all other IDs.