DrillNet Quickstart

Setting Up Height and Datum Data

1. To set up *Height and Datum Data* record in *Well Data*, first click the *Well Data* menu tab and select *Well Data* from the drop down list of menu options.

![Figure 1.0 Accessing the Well Data menu](image)

2. By default, the *Well Data* page is showing the *View Mode*. To switch to *Edit Mode*, locate and click the ‘*Change*’ link as shown in Figure 1.1 below.

![Figure 1.1 View Mode](image)

3. The *View Mode* is now in *Edit Mode* (refer Figure 1.2). Do take note that in the *Edit Mode*, the *Current Datum* is a non-editable field to show the earliest point or height of the *Well Operation*. The *BRT* label refers to “*Below Rotary Table*” - a point of measurement used.
4. In the following example, the **Datum Data** below (Figure 1.3) shows **Mean Sea Level (MSL)**. This change is based on the **Current Datum** in use. Click the 'Change' link displayed next to the label to **Add** a new datum or **Edit** the **Current Datum in use**.

![Figure 1.2 Edit Mode](image)

*Figure 1.2 Edit Mode*

5. The **Set Height and Datum** drop down list will be displayed in a pop-up window (Figure 1.4). Select from the available options or if there is no record available, use the ' + ' Button to **Add a New Datum**.

![Figure 1.3 Datum Data](image)

*Figure 1.3 Datum Data*

6. By clicking ' + ' Button, the pop-up window expands to display the page to set up **Height and Datum** (Figure 1.5)

![Figure 1.4 Set Height and Datum drop down list](image)

*Figure 1.4 Set Height and Datum drop down list*

7. Taking Figure 1.5 as an example, a **Depth** of 27 m is entered and **RT** is selected as the **Height** from the drop down list. Other options available are **RKB (Rotary Kelly Bushing)** and **DF (Drill Floor)**, as shown below.

**Note:**
By changing the height value option to **DF, RKB or RT**, the height value will adjust all relative depths for the selected **Well**.

![Table](image)

<table>
<thead>
<tr>
<th>Height and Datum Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRT to MSL</td>
</tr>
<tr>
<td>BRT-Hanger</td>
</tr>
<tr>
<td>BRT To Deck</td>
</tr>
<tr>
<td>Water Depth</td>
</tr>
</tbody>
</table>

![Figure 1.5 Example Set Height and Datum](image)

*Figure 1.5 Example Set Height and Datum*
8. Figure 1.7 shows the available **Datum** values. The options are:
   
   a. **MSL**  Mean Sea Level
   b. **LAT**  Lowest Astronomical Tide
   c. **AHD**  Australian Height Datum

9. If the Datum value selected is either **LAT** or **AHD**, the screen will automatically expands; displaying an additional field called the **Offset MSL** (Figure 1.8)
10. If a Level is above MSL e.g. LAT, a Positive value can be entered. In the example above (Figure 1.8), a positive value of 0.09m above MSL. Otherwise, if a Level is below MSL, enter a Negative value.

Tips:

IDS DataNet2 uses MSL as the default reference point (Datum). Hence, when a different Datum is used, the Offset MSL value is required in order for the Height and Depth values to be accurately displayed. The Offset MSL value can be explained as the difference between the default Datum (in this case, MSL) and another Datum other than MSL.

1. IF the Datum value selected is not MSL, it is important to specify the Offset MSL value.

2. For example, if the Datum value selected is LAT, the Offset MSL value entered would be calculated as the difference between MSL and LAT level.

11. To save the record, click the Confirm button.

12. To go back to the Set Height and Datum pop-up window (Figure 1.4), click the grey Cancel button located next to the drop down list.

13. To go back to the main Well Data page, click the main Cancel button.

Fields Affected by Changing Datum data

1. In general, all depth-related fields will be affected whenever the Datum data is changed. These include:-

   a. Activity screens    Depth field

   b. Daily screens       MD, TVD, Lst csg Shoe (MD), Last csg Shoe (TVD)

   c. BHA screen          Depth In, Depth Out
d. **BOP Screen**  
   - **Elevation**

e. **Formation Top Screen**  
   - **Top (MD), Top (TVD)**

f. **Casing screen**  
   - **-**

g. **Survey Screen**  
   - **MD & TVD**