OpenWells® 5000.1.2.1 Rig Changes

This document contains important information on changes to the Rig and Event associations in the OpenWells® 5000.1.2.1 application. These changes inform the users of the effects of associating a Rig to an Event, when Daily Operations reports exist for the Event.

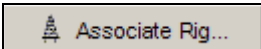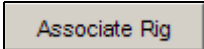## *Associating Rig Operations to Events*

Rigs can be associated to Events from a number of locations in the application. The scenarios outlined in this document deal with Rig associations using the *Associate Rig Operation to Event Wizard* and the *Associate Rig to Daily Wizard*. These Wizards are accessed from a number of locations in the application:

- **Associate Rig Operation to Event Wizard**

    — select the Event, follow the menu path: **File > Associate > Rig Operation...**

    — right-click the Event and select **Associate > Rig Operation**

    — in the *Event Properties* dialog's *Associated Rig Operations* Tab, click the (**Add Rig Operation**) button.

- **Associate Rig to Daily Wizard**

    These options are only available if a Rig has not already been associated to the Daily report.

    — select the (**Associate Rig...**) button in the Create Daily Report Wizard.

    — in the Daily Operations report's Rig Equipment sections (e.g., Pump Operations section), click the **Associate Rig** button.

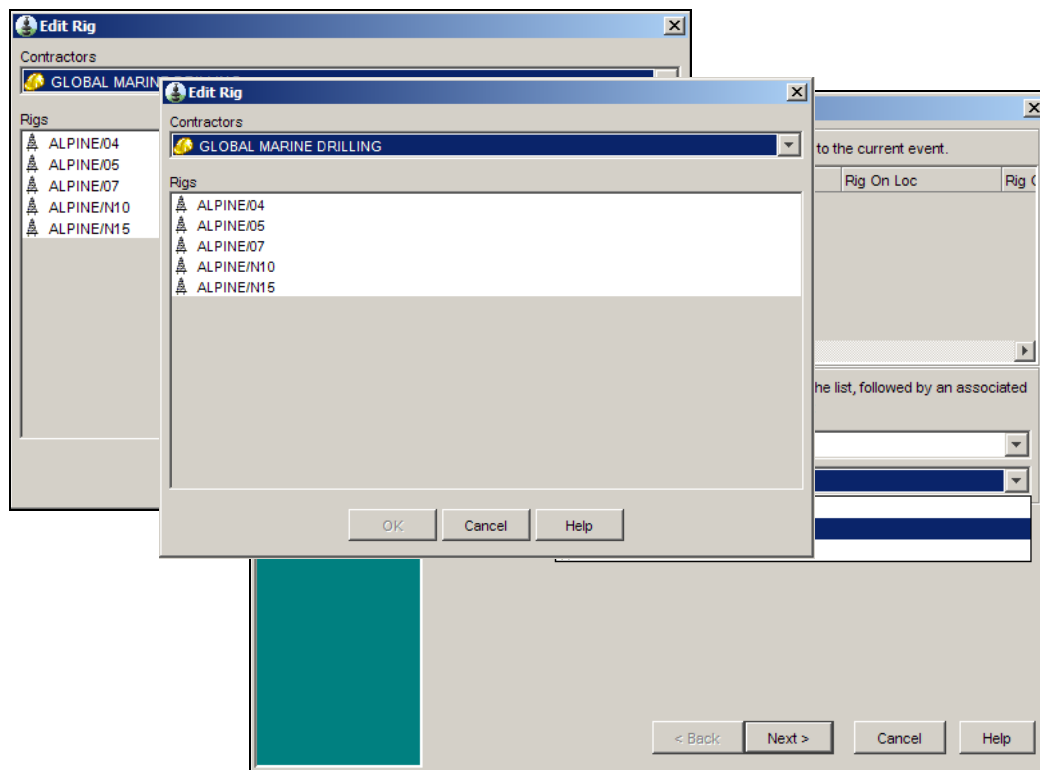## Scenario A: Only Currently Active Rigs are Available for Association

When creating an association between an Event or Daily Operations report and a Rig Operation, the list of Rigs with available Rig Operations that CAN be associated are now filtered. The Open-Wells® application will only show Rigs which are currently active.

A Rig is defined as currently active if:

its **Start Date** is null OR less than OR equal to the current date

AND

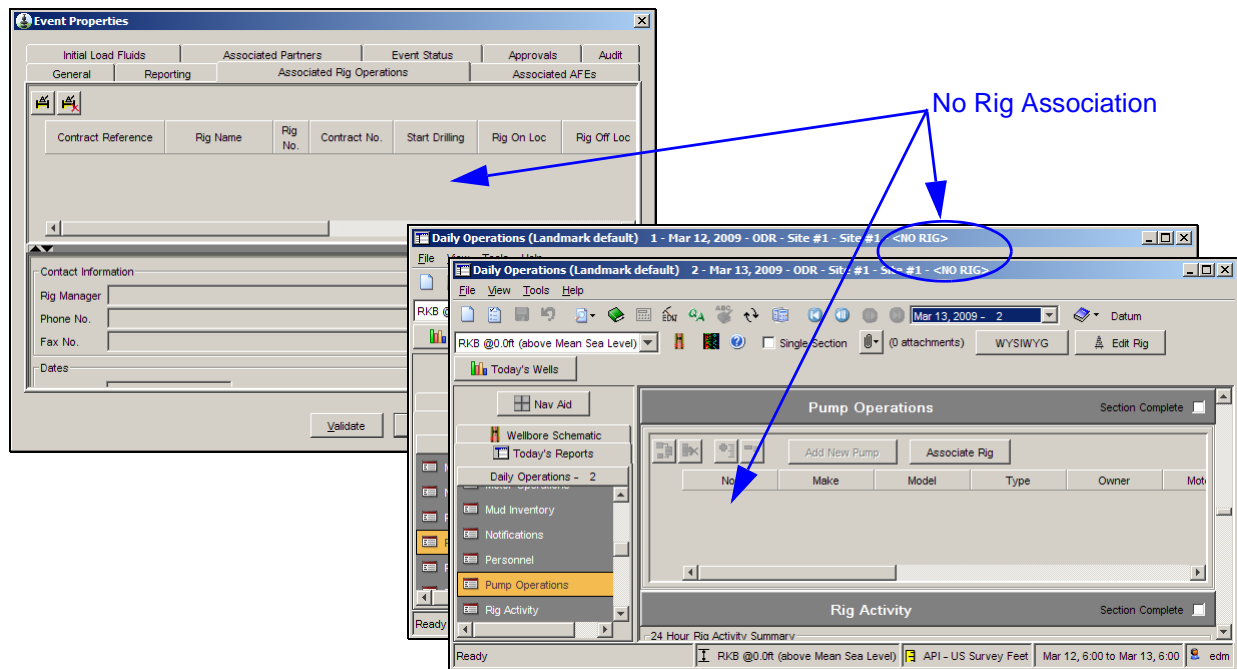its **End Date** is null OR greater than OR equal to the current date

Figure 1: Of the 5 GLOBAL MARINE DRILLING Rigs, only 3 are available in the *Associate Rig Operation to Event* Wizard. This is a result of the new Rig filtering feature.

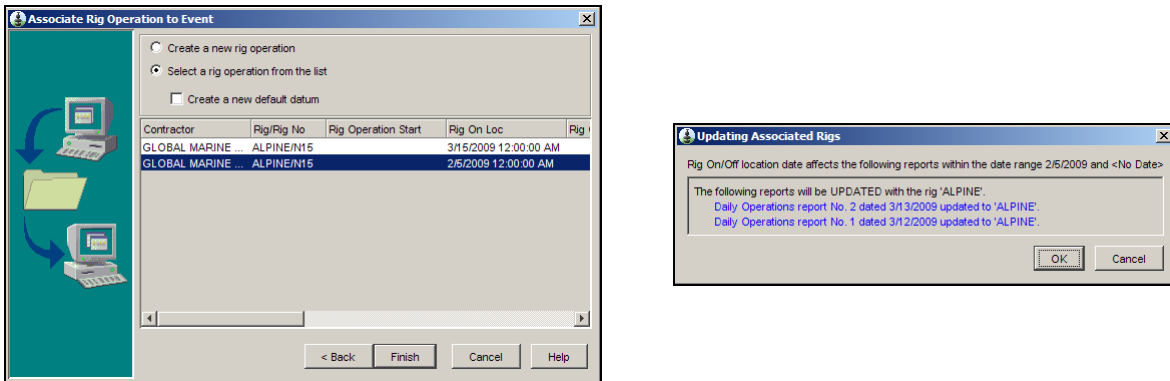## Scenario C: Associate Rig Operations to an Event with existing Daily Reports

At the time a Rig Operation is associated to an Event, any existing Daily Operations reports within the Event that fall within the "Rig On Location" date range WILL be updated with the new associated Rig Equipment data. The following example illustrates this new feature.

An Event that has no Rig Operations associated to it contains 2 Daily Operations reports. As a result of the lack of an association these Daily Operations reports do not have Rig Equipment listed.
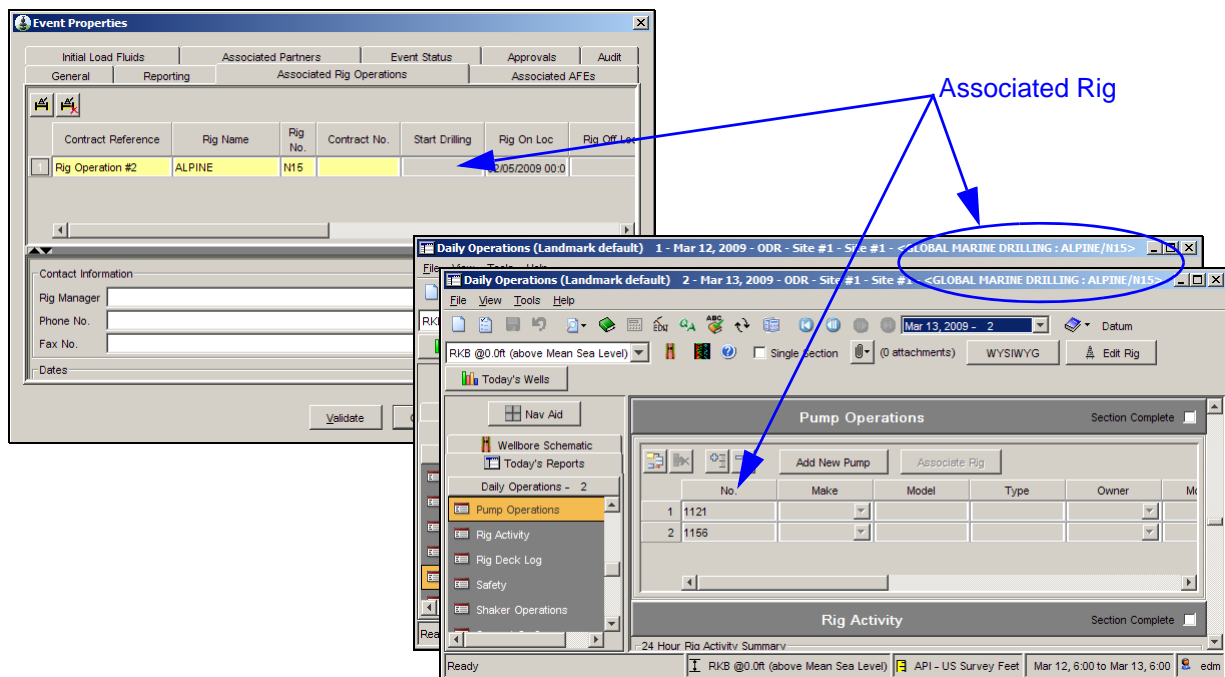

Figure 2: Event showing no associations and Daily Operations reports showing no Rig Equipment.

When the Event is associated to the ALPINE/N15 Rig a dialog appears informing the user that the 2 existing Daily Operations reports will be updated with the new Rigs data.

Figure 3: Associate Rig Operation to Event Wizard with message showing the Daily Operations reports that will be updated.

After the Association has been made, the reports now display the Rig Name in the title bar and any equipment "installed" on the Rig are listed within the report.
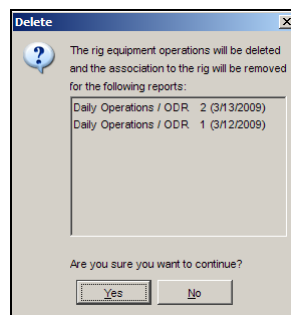

Figure 4: Rig association shown in the Event Properties and the Daily Operations Report showing the associated Rig and Rig Equipment data.

Scenario D: The Wrong Rig is Associated to an Event

After a Rig Operation is associated to an Event, the user realizes that they had selected the wrong Rig. The OpenWells® application allows the user to remove the associated Rig and select the correct Rig for association.
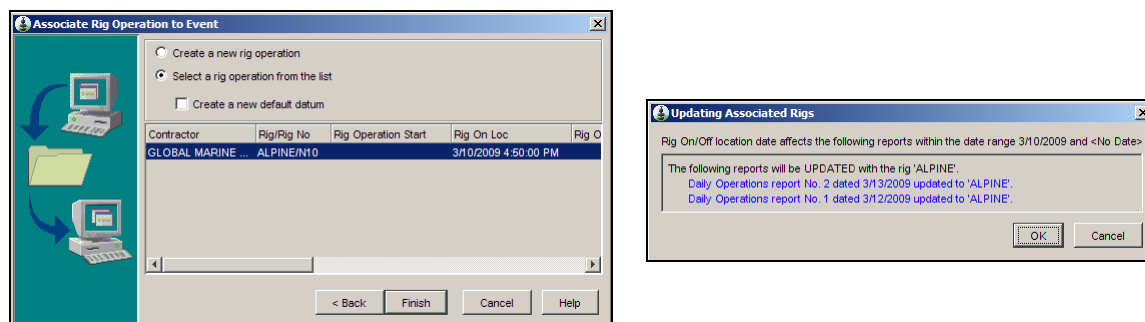
In the *Event Properties > Associated Rig Operations* tab, the user selects the row containing the Rig Operation to be removed and clicks the ▣ (Remove Associated Rig Operation) button. All Daily Operations reports, within the Event, that are currently associated with the Rig and within the Rig's date range, will have their Rig Equipment operations data deleted and Rig association remove. If this was the only association for the Rig Operation, then the Rig Operation is also deleted.

Figure 5: Message listing the Daily Operations reports affected by the Rig Association removal.

The use can now associate the correct Rig/Rig Operation with the Event.

As in Scenario C, when the Event is associated to the correct Rig a dialog appears informing the user that the existing Daily Operations reports will be updated with the new Rig's data.
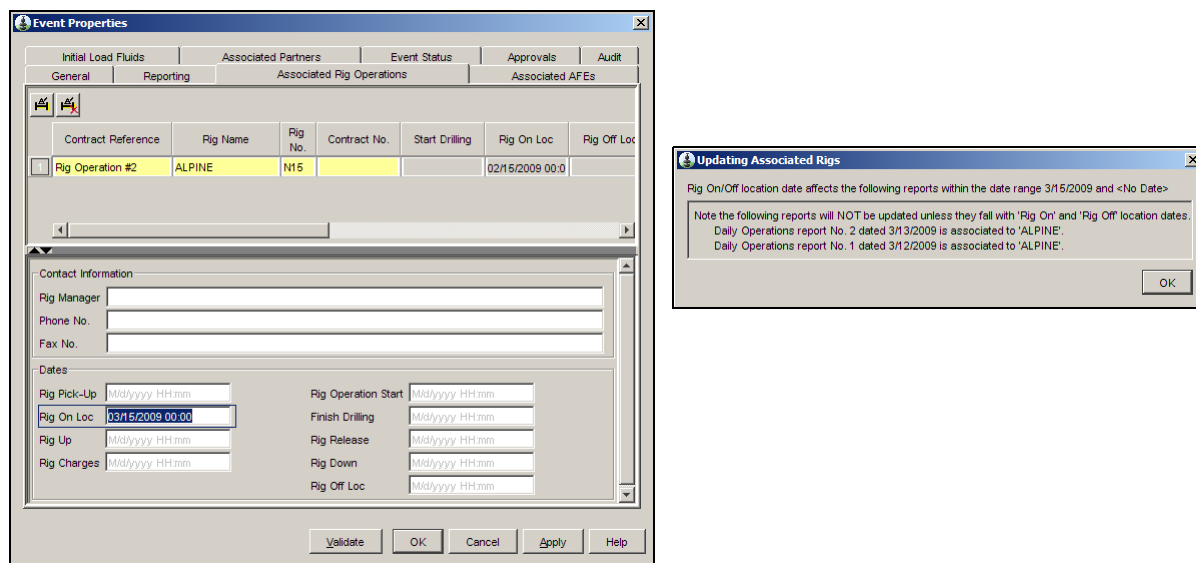

Figure 6: Associate Rig Operation to Event Wizard with message showing the Daily Operations reports that will be updated.

Scenario E: Rig Operations "On Location" Date Change

When a user changes the Rig Operation's **Rig On Location** date, existing Daily Operations reports may be affected in one of the following ways.

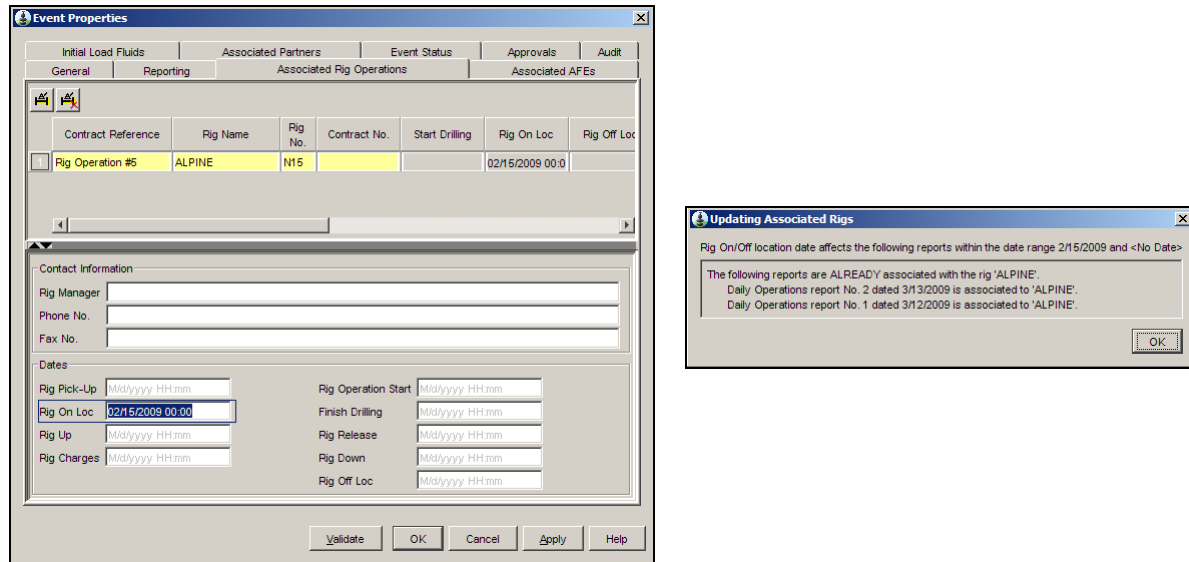### Reports fall outside the Rig "On Location" date range

The new **Rig On Location** date puts currently associated Daily Operations reports outside of the Rig Operation's "On Location" date range. The OpenWells ® application responds to this action by displaying a message notifying the user of any Daily Operations reports that are now outside of the "On Location" date range. The reports are NOT updated by the change in date.

Figure 7: Rig On Location date is changed from 02/15/2009 to 03/15/2009, which pushes 2 Daily Operations reports outside the Rig "On Location" date range.

Reports that were outside the Rig "On Location" date range are now within range

The new **Rig On Location** date puts currently associated Daily Operations reports, which were outside of the Rig Operation's "On Location" date range, within the date range. The OpenWells ® application responds to this action by displaying a message notifying the user of any Daily Operations reports that are now within the "On Location" date range. The reports are NOT updated by the change in data if they were previously within range.
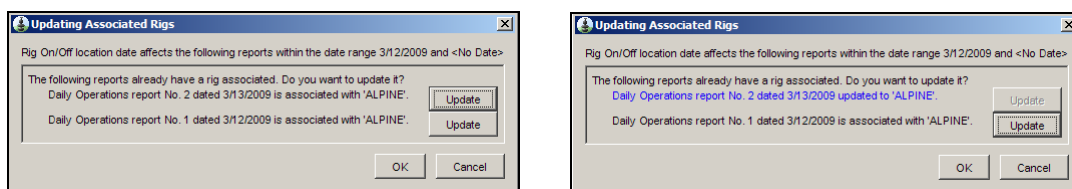
Figure 8: Rig On Location date is changed from 03/15/2009 to 02/15/2009, which pushes 2 Daily Operations reports within the Rig "On Location" date range.

Scenario F: Associate a Rig Operation to an Event that already has an "active" Rig Operation

A new Rig Operation is associated to an Event that has an existing "active" Rig Operation association. The OpenWells® application prompts the user to update any affected Daily Operations reports with the new Rig Operation data or leave the report with its existing Rig Operation data.

Once the new association is complete, the application displays a dialog where the user can choose whether or not to update each affected Daily Operations report. If the user chooses to update a report, then the **Update** button next to that report should be clicked. If the user does not want to update a report, then the **Update** button should NOT be clicked.

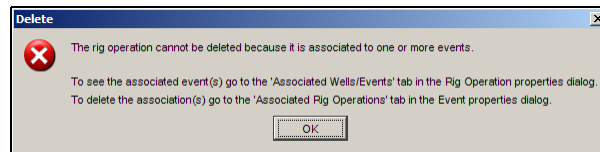When a report is updated its text turns blue in the dialog.

Figure 9: Dialog allowing the user to choose which reports are to be associated to the new Rig Operation. The blue text indicates the report has been updated.
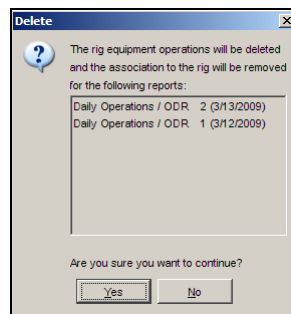
Deleting Rig Operations

If a Rig Operation is associated to an Event/Daily it can no longer be deleted in the Contractors tree. When a user attempts to delete the Rig Operation in the Contractors tab the following message appears.

Figure 10: Message indicating the Rig Operation cannot be deleted due to it's association with one or more Events.

To delete a Rig Operation that is associated to an Event, the user must remove it in the Event Properties dialog.

In the *Event Properties > Associated Rig Operations* tab, the user selects the row containing the

Rig Operation to be removed and clicks the ![icon] (Remove Associated Rig Operation) button. All Daily Operations reports, within the Event that are currently associated with the Rig will have their Rig Equipment deleted and the association is removed. If this was the only association for the Rig Operation, then the Rig Operations is also deleted.

Figure 11: Message listing the Daily Operations reports affected by the Rig Association

Changing the Daily Operations Report Properties

The OpenWells® application now allows users to change the Rig/Rig Operation associations from the Report Properties dialog of a Daily Operations report.

The Daily Operations Report Properties dialog is accessed from the following locations:

- From within the report follow the menu path: **File > Properties...**

- Right-click on the report in the Report List and select **Properties...** from the menu that appears

Changing the Rig and Rig Operation from the Report Properties Dialog

The **Rig Contractor, Name, No** field's picklist displays a list of Rig's available for association to the Daily Operations report. Only Rigs which are "On Location" during the Report's date are shown in this list. The selected Rig is currently associated to the report.
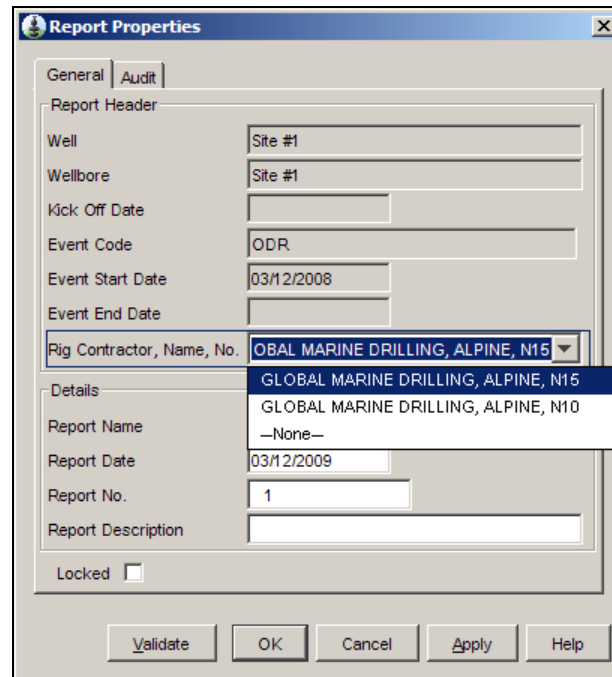

Figure 12: Report Properties dialog showing the Rig picklist.

The currently associated Rig Operation can be changed using this picklist.

When the user selects a different rig from this picklist and the current associated Rig has Rig Equipment Operations, the application informs the user of the equipment operations that will be deleted. The users can then choose to delete the operations or cancel the change.
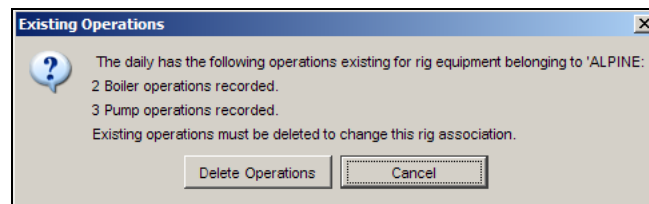

Figure 13: Message indicating how many Rig Operations will be affected by the change in association.

Changing the Report Date from the Report Properties Dialog

When the user changes the Report Date in the Properties dialog, and the new date falls outside of the Rig "On Location" date range, the application informs the user of the equipment operations that will be deleted. The users can then choose to delete the operations or cancel the change.
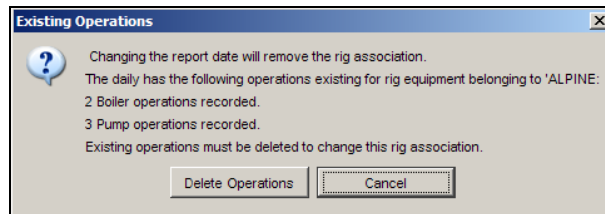

Figure 14: Message indicating how many Rig Operations will be affected by the change in Report Date.

If the user chooses to proceed with the date change, the **Rig Contractor, Name, No** picklist will be set to *--None--* and any related Rig Equipment Operations will be deleted from the Report.