**DynaLift™** 2014   
Software Release Notes

New Features

The product has been revamped with a completely new user interface. Functionally is built to support Continuous Gas Lift Simulations. The key features of this product include:

* Complete visualization of Continuous gas lift process; user-friendly distribution of simulation results in the forms of grids, charts and out parameters.
* The Well model data is configured and restructured to be close to **WellFlo**®. For instance, the PVT data in version 3.6 is divided into Reservoir and PVT data section. The Flow Correlation has been moved from the Simulation setting to the Well data section.
* Ability to work with *WellFlo* models directly enables you to analyze the new gas lift designs created in WellFlo. *WellFlo* version 5.4.0.8 is associated with this current version of *DynaLift* version 4.1.

(Please note: *WellFlo* models that include correlations that were previously not supported with *DynaLift* are supported with the default *DynaLift* correlations in this version.)

* Ability to generate a summary report after running simulation to present final results and complete charts.
* Availability of multiple unit system support.
* Ability to edit valve data from the Dashboard at ease beyond using the Valve Data grid to make the changes.
* Availability of the Injection and Production Choke dialogs as control gauges on the Simulation screen.

There are a few deviations adopted in the course of Development that may reflect some difference in the result value as against *DynaLift* 3.6:

* Most of the numeric data is consumed as double instead of integers
* The valve data are read exclusively from the WFCatalog file. They are not editable by the user unlike *DynaLift* 3.6 where Fluid Volume and Stem Travel is user editable. Even in cases where the few of the valve properties read from .kdl files do not match with the WFCatalog, the catalog data is persisted.

*DynaLift* Installation

Before You Begin

This procedure has the following prerequisites:

* .NET Framework 4.0 must be installed.

**Note:** If you need to install .NET Framework 4.0, you can download it from the Customer Site.

* You must have a valid username and password for logging in to the Customer Site.
* In order to open WellFlo models, you must have WellFlo 5.3.0.14

Before You Begin

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Existing Users

If you are an existing customer of *DynaLift* software, you can download the latest *DynaLift* software and supporting materials from <https://customers.ep-weatherford.com>.

**To Upgrade *DynaLift* Software**

If you are upgrading from an earlier version of *DynaLift* software, use the following procedure to download *DynaLift* 2014 software:

1. From the Customer Login Site, open the **Customer Login** tab.
2. Enter your **Username** and **Password**; then click **LOGIN**.

**Note:** The password that you enter is the one that you established during product registration. If you have forgotten your password, open the **Forgot Password** tab; then follow the on‑screen instructions.

The Customer Site Home page is displayed.

1. At the bottom of the left-hand column, click the ***DynaLift* 2014** software link.

The *DynaLift* Home page is displayed.

1. Click the ***DynaLift* 2014 Installation Files** link at the bottom of the page to download and install the product.

New Users

If you are a new customer of *DynaLift* software, you must register before you can download the application and supporting materials from <https://customers.ep-weatherford.com>.

**To Register**

You need to register using the following procedure:

1. Open the **Customer Registration** tab.
2. Follow the on-screen instructions; then click **Submit**.

Once you are approved, you will receive an automated confirmation email message.

**To Install *DynaLift* 2014 Software**

Click the **Download *DynaLift* 2014** software link; then install the product.

Licensing

In order to run *DynaLift* software you must have a valid FlexLM license file and this license file is generated by Weatherford International. For more information on the product licenses you have please see the **Software Security** section of the Weatherford **Field Office™** installation disk or the Software Customer website.

Weatherford International has implemented version control for all products, which means that later versions of the software cannot be run with licenses for older versions. This version of *DynaLift* software requires a FlexLM license file containing a line with version 2.20 – see below for an example.

FEATURE DYNALIFT EPSLMGR 4.00 21-feb-2013 uncounted E5789A3B52DF \

HOSTID=FLEXID=9-743c4490 ck=126

You will need to request a new license for *DynaLift* version 4.1. Please contact us at  
[PO-SoftwareLicensing@weatherford.com](mailto:PO-SoftwareLicensing@weatherford.com) for a new license.

**Note:** The FlexLM license is sensitive to changes in the machine clock setting if it is changed by more than 24 hours. It is therefore recommended that you not perform time-sensitive testing if the same FlexLM license is to be used before and after the testing. Otherwise, even a valid license may become inaccessible and the operating system may need to be re-installed.

**Note:** In order to open and work with *WellFlo* models you will require a valid *WellFlo* FlexLM license too.

System Requirements

The following system requirements must be met before installing *DynaLift* software:

* Operating System: Windows 7, XP and Vista (Minimum Service Pack 1 needs to be installed)
* Processor: 1 GHz 32-bit (x86) and 64-bit
* System Memory: 1 GB
* Hard Disk: x86 – 850 MB | x64 – 2 GB
* Graphics Card: Support for DirectX 9 graphics and 32 MB of graphics memory
* Display Mode: 1024 x 768 [best viewed with 1440 X 900]

Known Issues

* On the Well **Identification** screen, the **Date** being populated for models files is not saved.
* When using Unload Destination as Pit, application hangs. The issue has been noticed in *DynaLift* version 3.6 too.
* Unit conversion for Formation Volume Factor does not work. This is an issue with epLibrary.
* *DynaLift* version 3.6 was built using Microsoft development tools that are currently obsolete. The entire application has been re-developed using latest Microsoft development tools. As a result, there are small (< 2%) differences in the pressure gradient calculations in the tubing and annular flows. This is reflected in the comparison of the liquid levels with version 3.6 values.
* *WellFlo* models having deviation survey for depths below the mid perforation and / or casing beyond tubing string depth cannot be loaded with *DynaLift* 4.1, as *DynaLift* looks for Tubing inner and outer diameter, and Casing inner diameter values against every given depth.
* We are not supporting unit conversion for Deviation survey, Equipment, and Valve data section.
* Scrolling issue in Wellbore deviation section.

Features not Supported

The following features are not available with this version:

* Intermittent Simulation
* Localization