OpenWells® Software Version 5000.1.12.0

Release Notes

Contents

Introduction 2

Enhancements for Version 5000.1.12 3

System Requirements 16

Installation 17

Fixed Issues 20

Contacting Landmark Customer Support 22

HALLIBURTON | Landmark Software & Services

Introduction

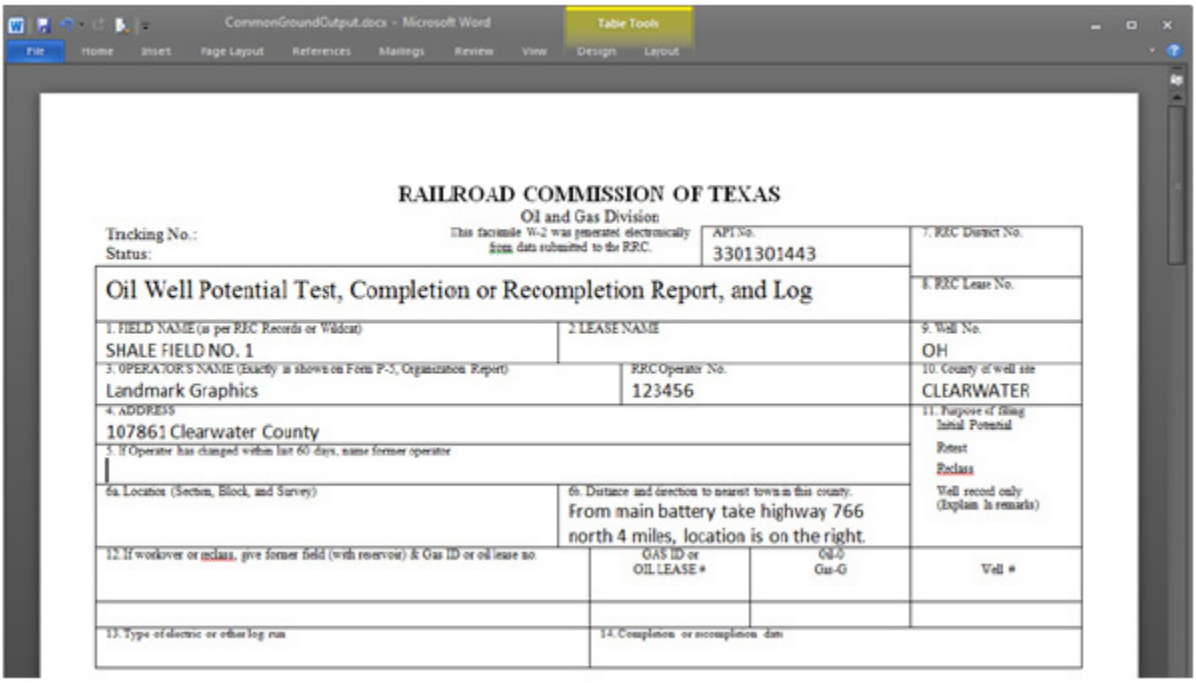
This document contains additional information about the OpenWells® software 5000.1.12.0 standalone installation. This software version includes fixes and enhancements of the OpenWells® software that were released in previous versions of the Engineer's Desktop™ (EDT™).

For further information or help, contact Landmark Support.

Enhancements for Version 5000.1.12

Configure Printed Reports Using Microsoft Word

OpenWells now supports the use of Microsoft Word when editing and printing reports. In the 5000.1.12 release OpenWells come with one pre-configured MS Word report, the ***Texas-W2 Completions*** report (available from the wellbore node in the Well Explorer).



OpenWells Module for Rushmore Reviews DPR, SPR and CPR Workbooks

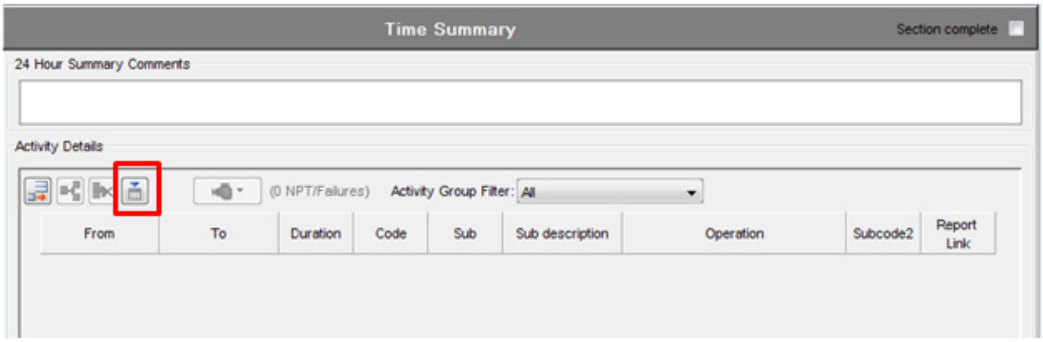
Analysts tasked with preparing workbooks for the Rushmore Reviews Drilling, Shale and Completions submission can now use the ***OpenWells Performance Reviews*** module to automatically generate workbooks. Using this module automates export of up to 95% of the DPR workbook, over 50% of the SPR workbook and approximately 10% of the CPR workbook.

The ***OpenWells Performance Reviews*** module is downloaded separately from OpenWells / EDT and is compatible with all supported R5000 versions of EDM.

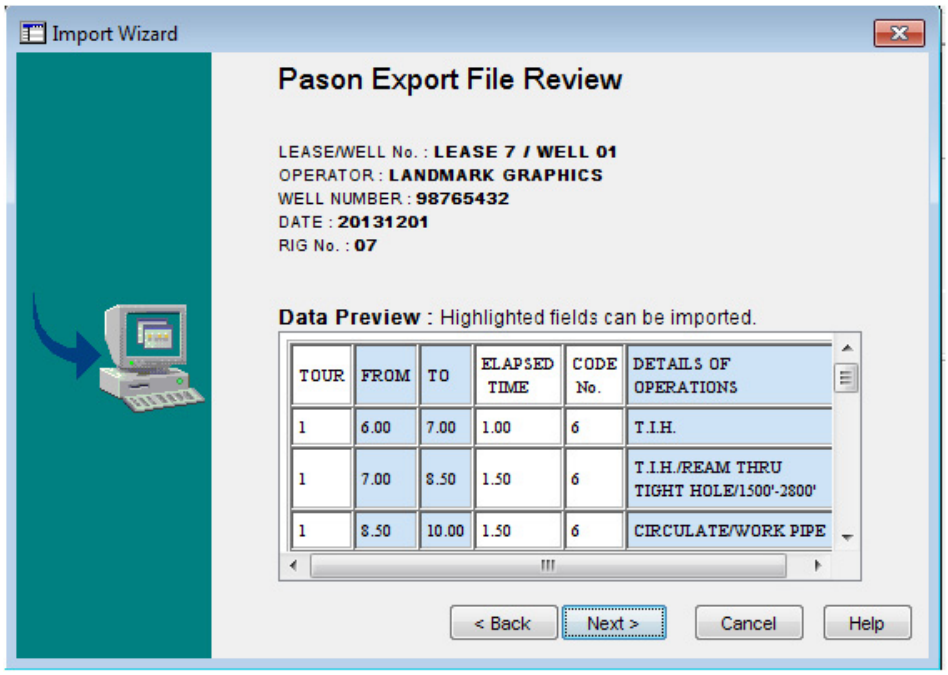
Import Activity from the Pason Electronic Tour Sheet

Supervisors can save time and eliminate duplicate entry by importing operations activity from a Pason Electron Tour Sheet.

Selecting the “Import” button on the time summary data entry form provides the option to import a Pason Tour Sheet.



After selecting the Electronic Tour Sheet supervisors are presented with a preview of the available operations and can select which of those activity to import.



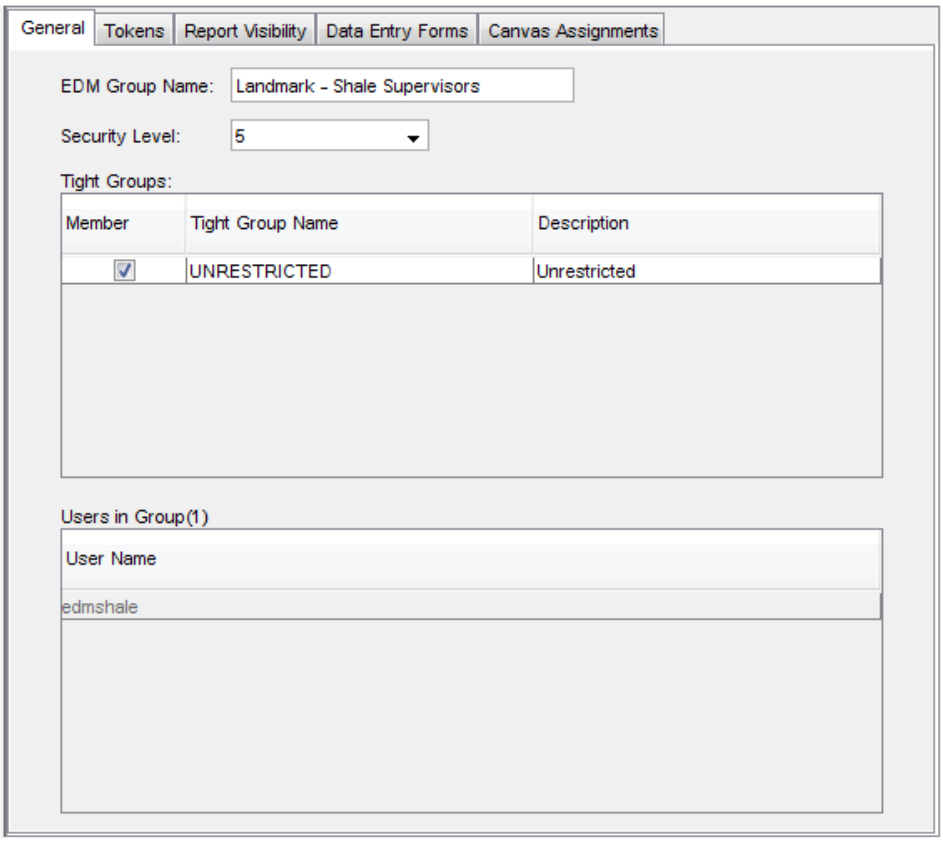
OpenWells Preconfigured for Shale Operations

OpenWells now comes preconfigured for typical shale operations.

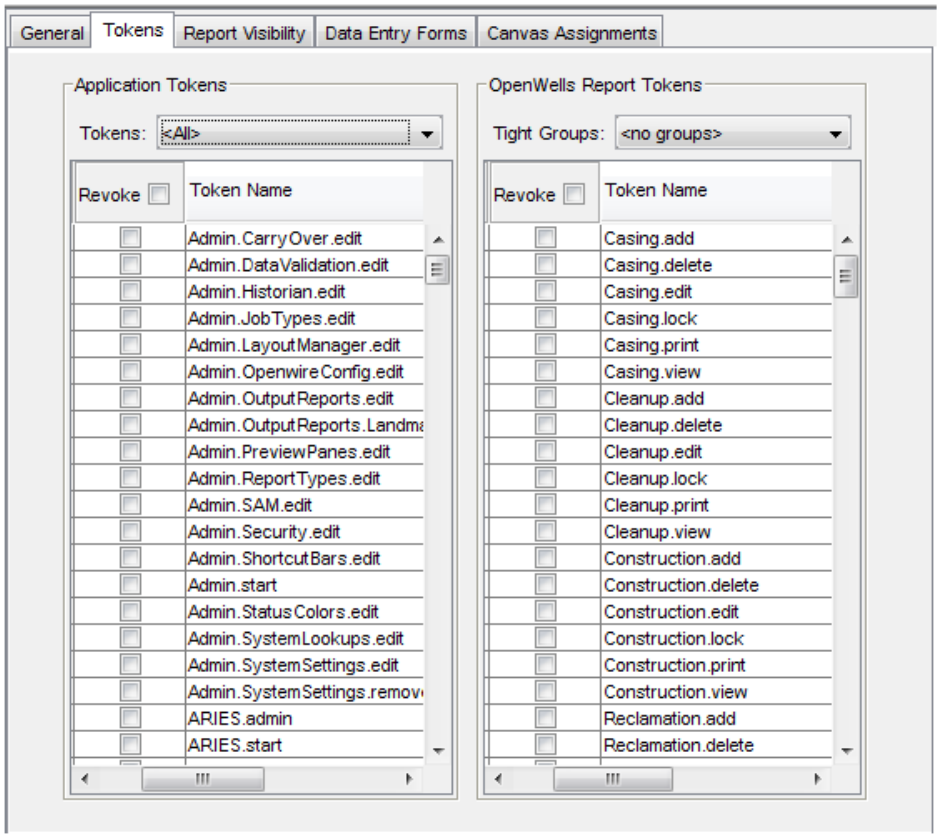
Typical configurations for Construction, Drilling, Completion, Maintenance, Workover and Surface Equipment/Facilities event types have been assigned to the ***"Landmark – Shale Supervisors"*** user group, accessible in the Security node of the EDM Administration utility.

Administrators also have a simplified interface for managing group configurations, which has been broken into five tabs:

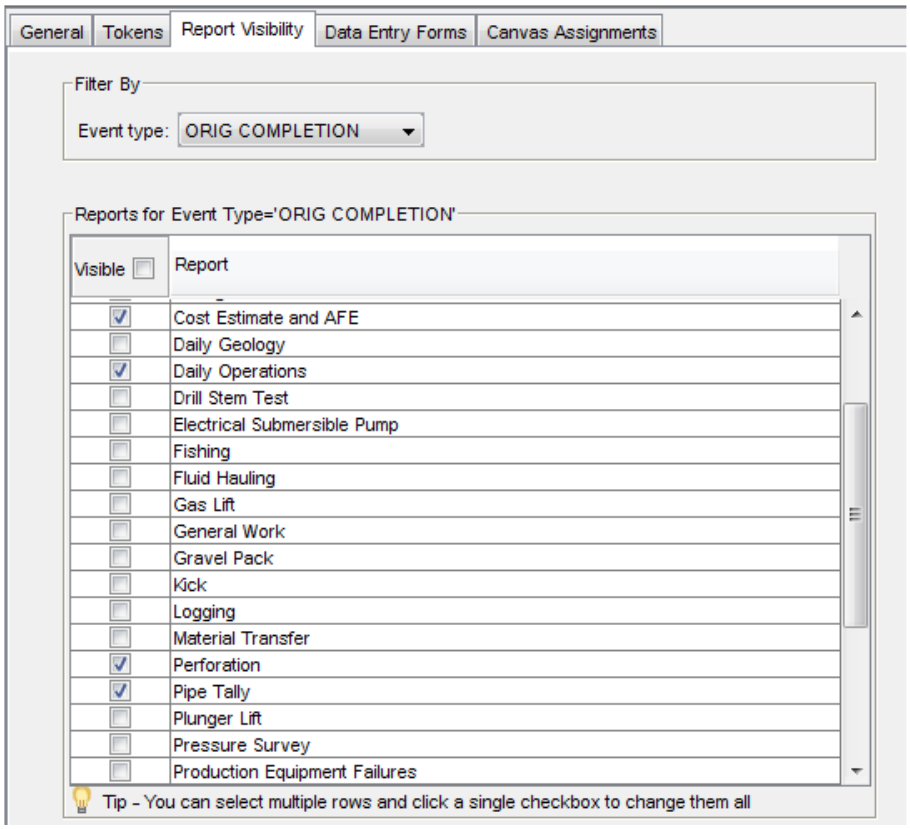
1. Use the ***General*** tab to define the group name, security level and tight group associations.



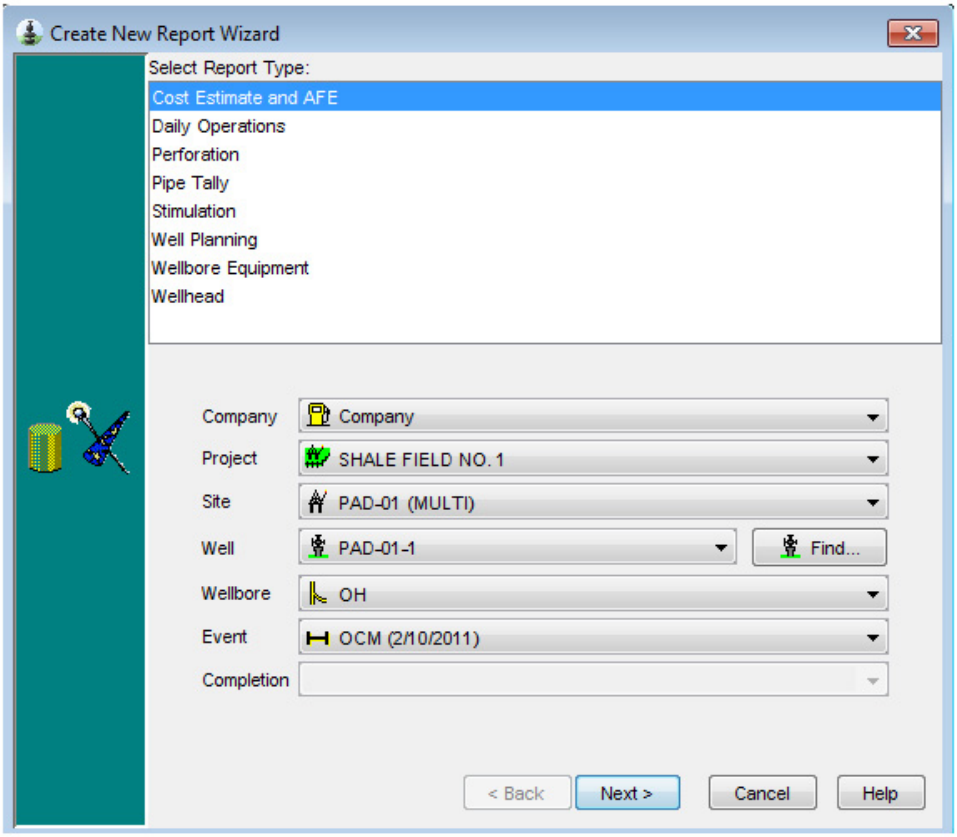
2. Use the ***Tokens*** tab to define actions allowed by users in this group.



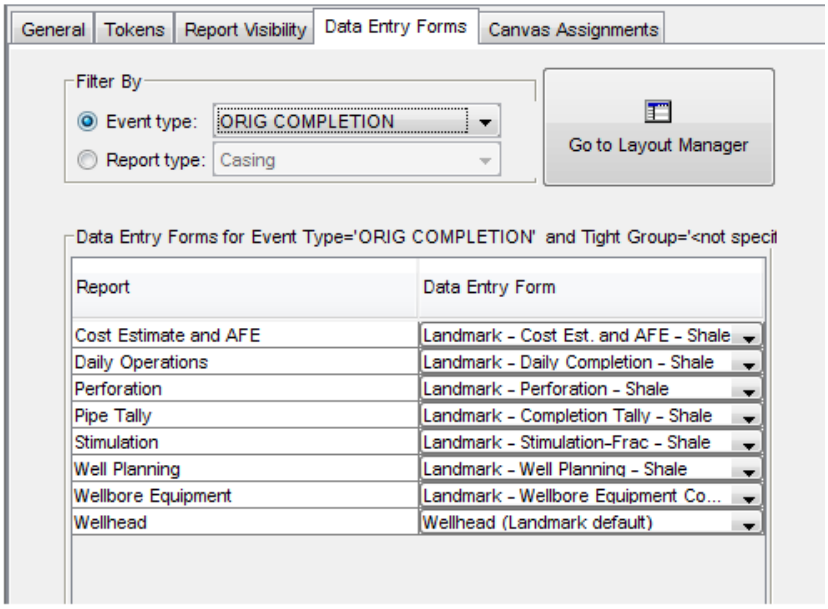
3. Use the ***Report Visibility*** Tab to define the types of operations reports an OpenWells user can create when working in a particular type of event.



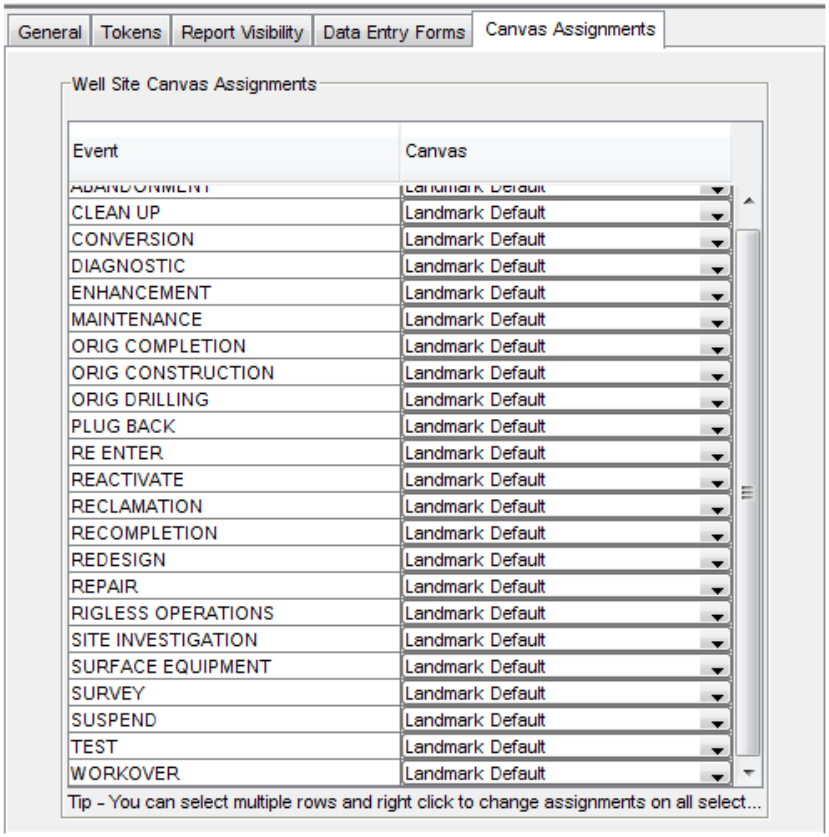
Note: This new feature in OpenWells defines the reports a user sees when they select ***"Create New Report"*** , for example the above configuration results in the following new report dialog in OpenWells:



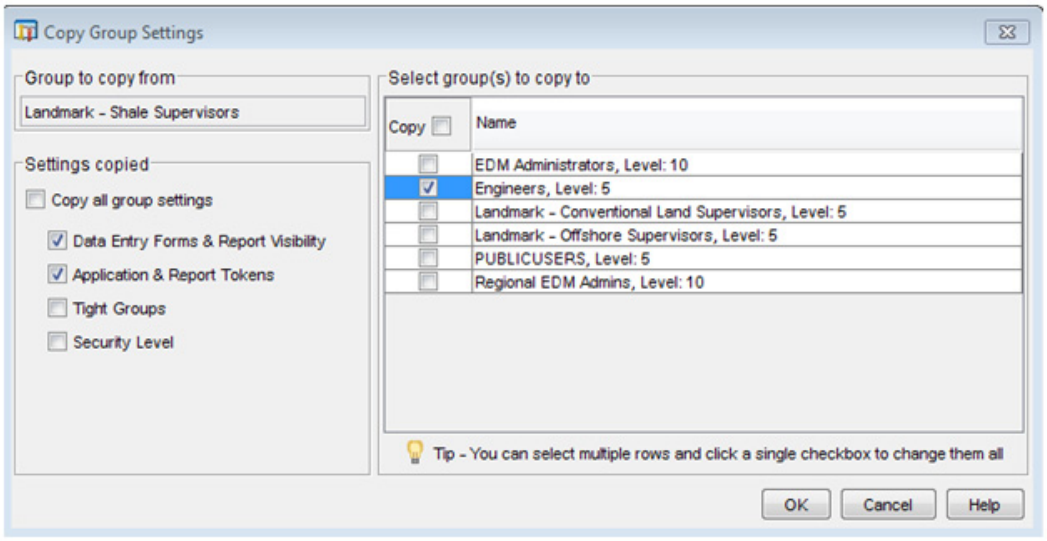
4. Use the ***Data Entry Forms*** tab to define the configuration layouts to be associated with each type of report.



5. Use the ***Canvas Assignments*** tab to associate event types and canvases when configuring the interactive (Rocket) interface.



Administrators can use the new ***"Copy Group Settings"*** , available in the right click menu on a user group node, to apply some or all of the predefined shale configuration to another user group, or to copy settings between any groups.



OpenWells Available as a Standalone Install

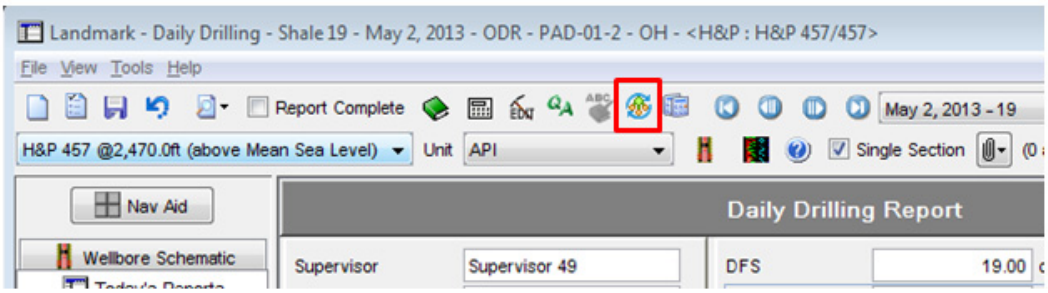
Some deployment scenarios, such as rig site laptops, only require the OpenWells application instead of the full EDT application suite.

In the 5000.1.12 release OpenWells is now available as a standalone installation which saves time and effort during deployment. The standalone installation includes everything required to run OpenWells, is 65% smaller than a full EDT installation and can save 20 minutes per installation.

Synchronize a Single Report From OpenWells

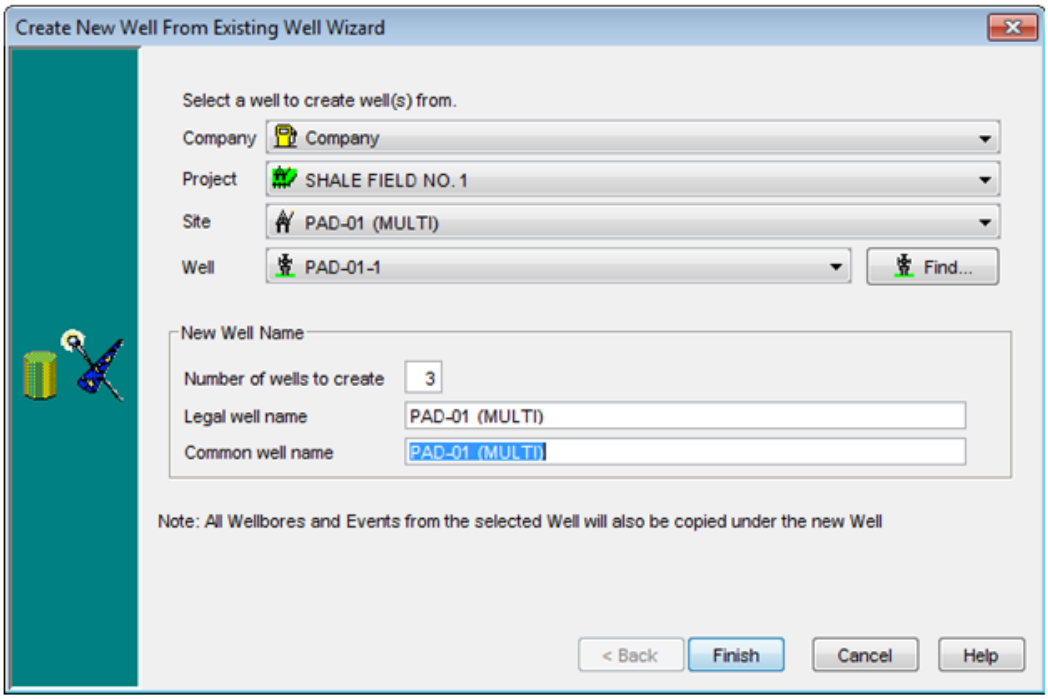
Rig supervisors often have poor field communications and, to save time, wish to transfer only their morning reports and wait until better communications to do a full synchronization which transfers configuration settings in addition to the operations reports.

Using the EDM Autosync button at the top of their operations reports supervisors are now able to send only that report.



Quickly Create Well Headers for Batch Operations

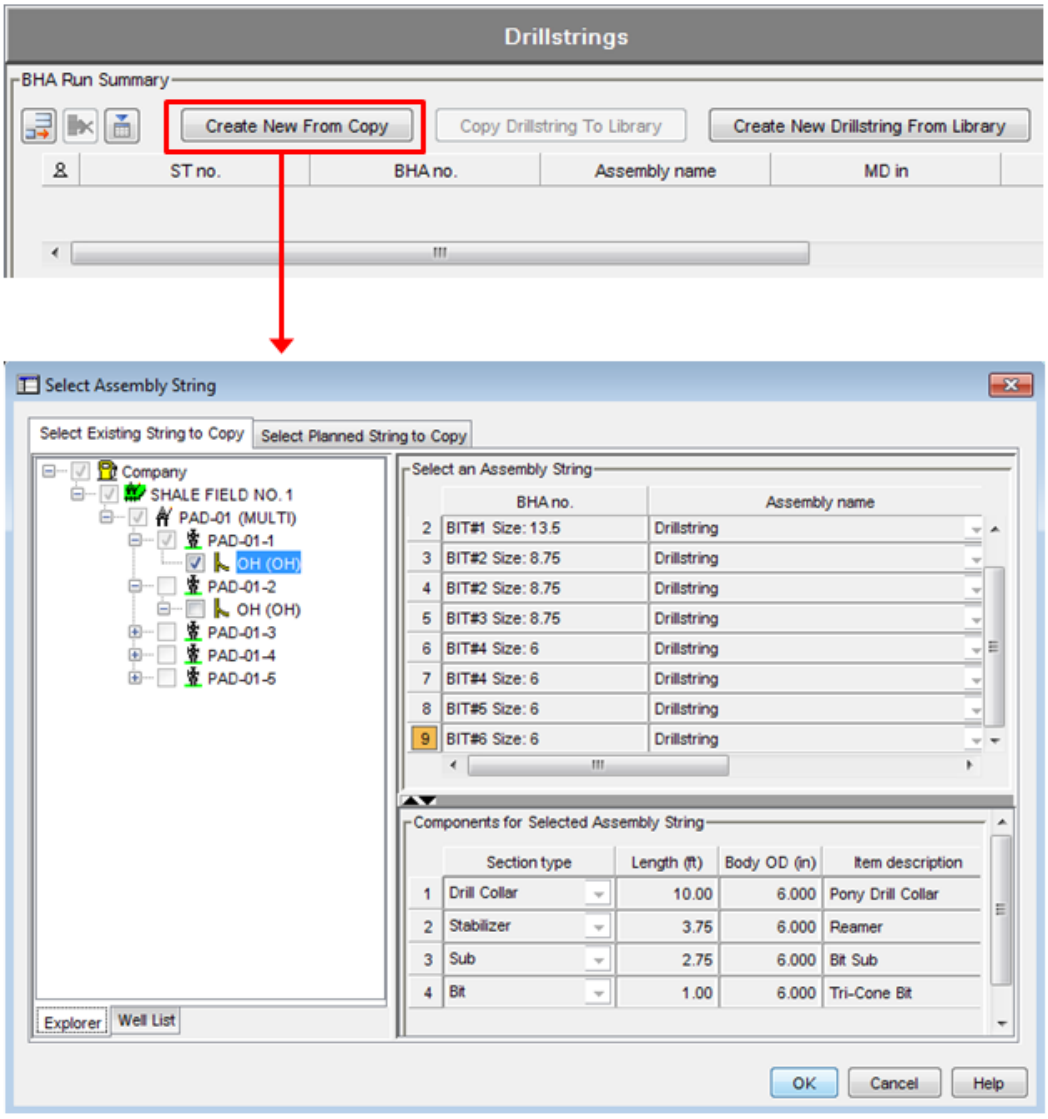
Administrators and field supervisors now have a "New Well From Existing Well" menu option accessible from the site node in the well explorer. Using this wizard users are able to quickly create one or more well headers using another well as a template.



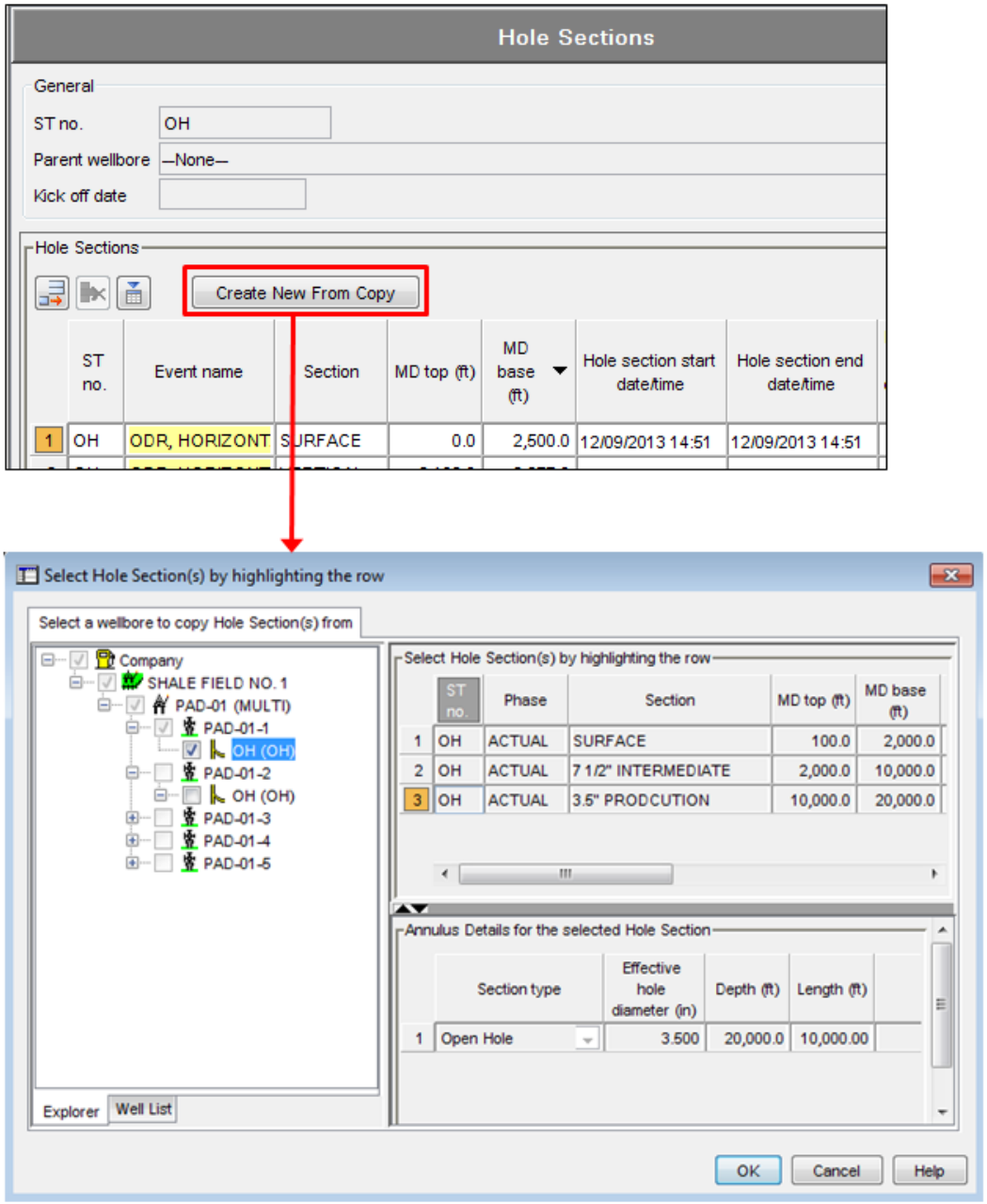
Reuse BHA's, Hole Sections and Casings When Entering Batch Operations

Drilling supervisors often have to enter similar/identical information for each well during a batch drilling operation. Supervisors can now reuse the BHA, Hole Section and Casing configuration between wells as they are constructed during a batch operation.

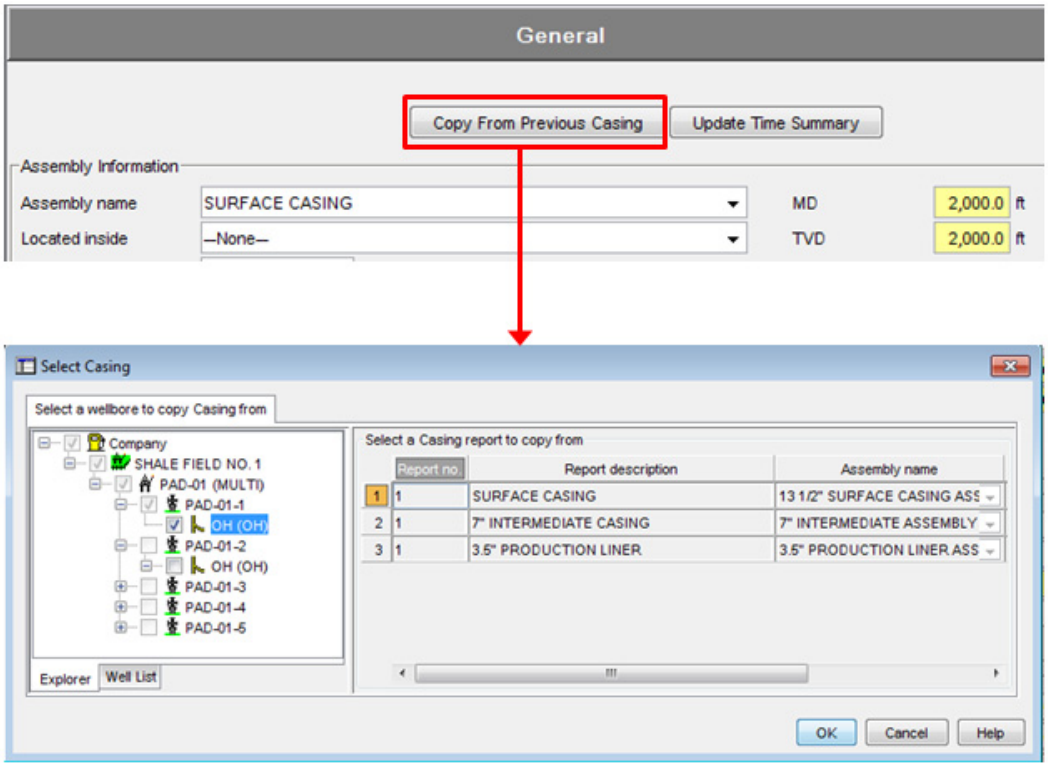
Supervisors can reuse a BHA run on the previous well by selecting "***Create New From Copy***" in the BHA Run Summary (Drillstrings Section):



Supervisors can reuse Hole Section Details from the previous well by selecting "***Create New From Copy***" in the Hole Sections Spreadsheet:



Supervisors can reuse casing details from the previous well by using the ***"Copy From Previous Casing"*** button in the General Section of the Casing Report:



BHA & BIT Operations Update Automatically From Rotating Hours

OpenWells now populates the BHA and Bit Operations *drilling hours* with the *rotating hours* recorded in the General Section of the Daily report in scenarios where only one BHA/BIT Operation are recorded per day.

To enable this behavior the system setting AutoPopulateBHA must be set to YES (default behavior is NO).

System Requirements

Supported Platforms

- Windows 7 SP1, 64-bit (note that Windows XP is not supported)
- Windows Server 2008 R2 SP1, 64-bit
- Windows Vista 64-bit (Vista 32-bit is not supported)
- Citrix XenApp 6.0
- Citrix XenApp 6.5

Supported Databases

- Oracle 11.2.0.2 Server, 64-bit (must connect through 32-bit Oracle Client)
- Oracle 11.2.0.2 Client, 32-bit (64-bit Client not supported)
- Oracle 11.2.0.3 Client, 32-bit (64-bit Client not supported)
- Oracle 10.2.0.4 Server, 64-bit (must connect through 32-bit Oracle Client)
- Oracle 10.2.0.4 Client, 32-bit (64-bit Client not supported)
- SQL Server 2008 R2 SP1, 64-bit (must connect through 32-bit SQL Native Client)
- SQL Server Express 2005, SP3, 32-bit

Hardware Requirements

Recommended for Windows 7 64-bit	Minimum for Windows 7 64-bit
• Windows 7 Enterprise, 64-bit SP1 • 2 GHz processor (or greater) • 4 GB RAM (or greater) • SVGA color monitor • 106-key Windows-ready integrated keyboard • MS-compatible mouse or pointing device • TCP/IP based network connection 100 Mbps, or • FLEXid dongle (bitlock), FLEXnet Publisher version 11.4 (for licensing) • 3 GB or more disk space • CD-ROM drive (not required if installing from a network location) • parallel port or USB port if dongle/bitlock used • video card with 3-D rendering capability, minimum 128MB video RAM	• Windows 7 Enterprise, 64-bit SP1 • 2 GHz processor • 4 GB RAM • SVGA color monitor • 106-key Windows-ready integrated keyboard • MS-compatible mouse or pointing device • TCP/IP based network connection 100 Mbps, or • FLEXid dongle (bitlock), FLEXnet Publisher version 11.4 (for licensing) • 2.1 GB disk space • CD-ROM drive (not required if installing from a network location) • parallel port or USB port if dongle/bitlock used • video card with 3-D rendering capability, minimum 128MB video RAM

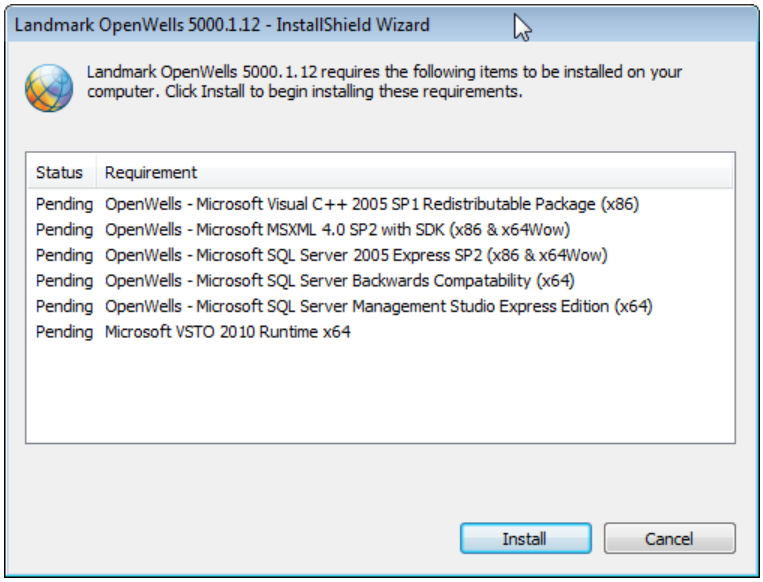
Installation

Note:
Additional details from the *EDT Drilling Summary Release Notes* may apply. To see the most up-to-date version of these release notes, visit the Landmark Software Management (LSM) site.

Installation files and documentation for the standalone version of the OpenWells® software are available from the Landmark Software Manager (LSM) site. Download the installation and documentation files from LSM and close any open applications before running the OpenWells® installer.

1. Open the folder where you downloaded the OpenWells® software and run OpenWells_5000.1.12.0_Release.exe.

   The installer splash screen is displayed and the installer checks that required component software is available. If you are installing the OpenWells® software on a machine that does not have previous versions of the EDT applications installed, you must install required components.

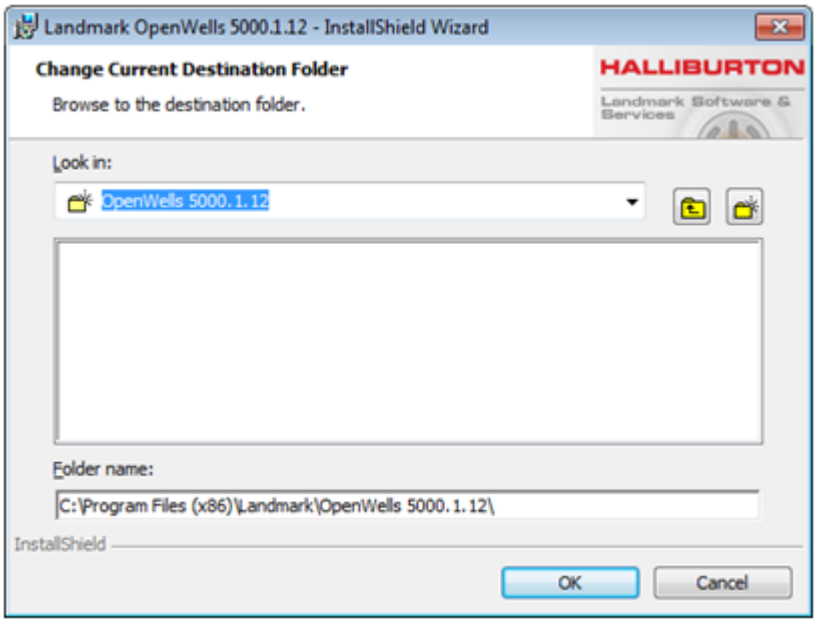


2. Click Install to install component software. Installer programs will be launched for each required component.

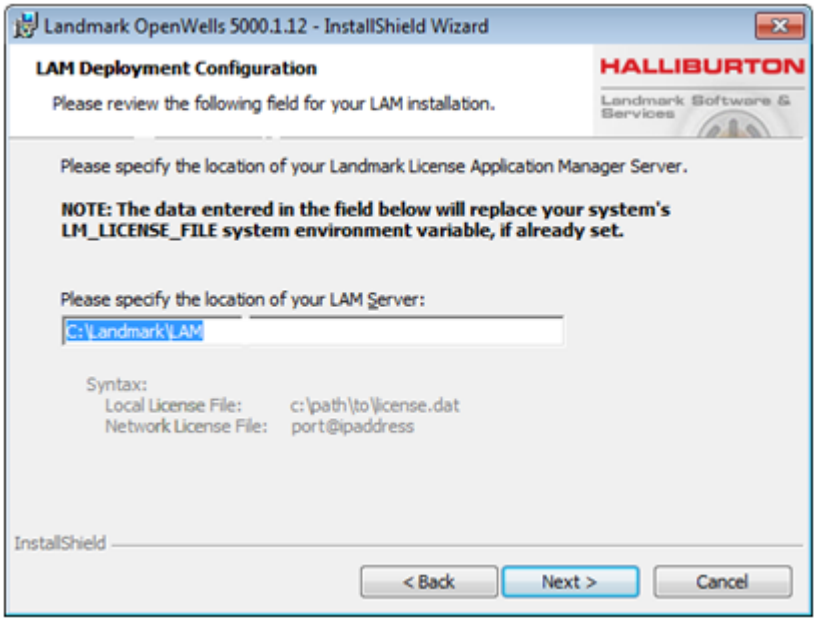
   After all required components are successfully installed, the OpenWells® InstallShield Wizard will start. Click **Next >** to move forward through the installation steps. Click **< Back** to return to a previous step.

3. On the Destination Folder screen, click **Next** if the default installation folder is acceptable, or click the **Change** button to specify a different folder.

   In the Change Current Destination Folder screen, you can create a new folder for the OpenWells software or you can use an existing folder. Click **OK** when your folder is specified correctly

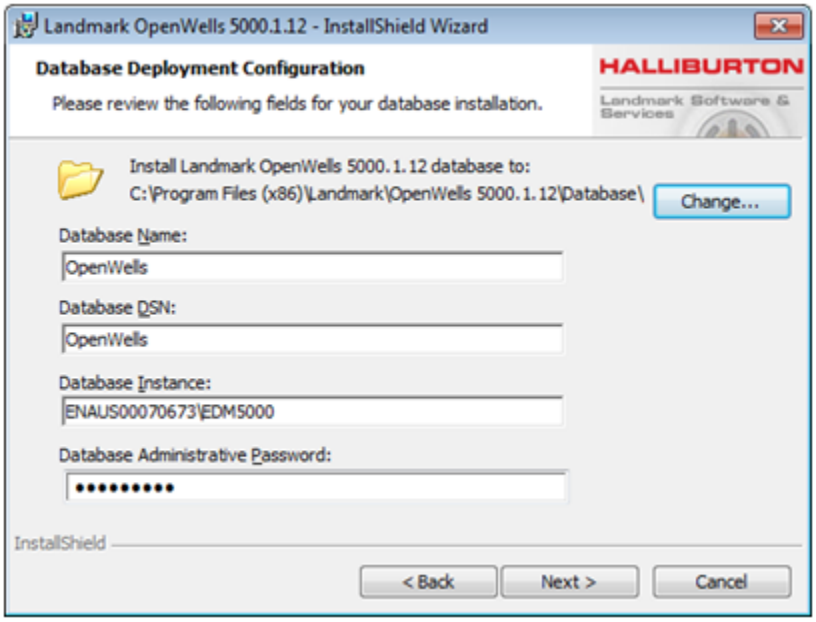


4. In the LAM Deployment Configuration screen, enter the path to your license.dat file or the port and IP address of the network LAM server, then click **Next**.



5. In the Database Deployment Configuration screen, enter the location of the EDM database to be used by the OpenWells software, then click **Next**.

   The default instance name of an EDM database is “EDM5000”, the default database administrator is “sa” and the default administrative password is “Landmark1”.



6. When the Ready to Install screen is displayed, click **Install**.

   The OpenWells installer will copy files, install the database, run scripts, and make any necessary configuration settings. A status bar shows the progress. When everything completes successfully, the InstallShield Wizard Completed screen is displayed.

7. Click **Finish**.

Fixed Issues

EDM™

Data model changes were made in support of enhancements and/or bug fixes. The EDM 5000.1.12.0 fixed issues are described below.

Defect	Description
924085	EPS Needs to support the '&' character in email addresses
924050	EPS fails to print the second report when using two templates (one per report) setup for processing at different times.
924045	Partners, Drilling Managers and Execs need to see the proper daily or summary report emailed to them by the EPS System in scenarios where the rig supervisors enters a "look ahead" report.
924042	The EPS system will freeze indefinitely in scenarios in which one report (of many) does not generate for any reason.
924030	EPS Admin Utility Fails to Properly Save changes
920034	A new field: how_guns_conveyed is needed on the table CD_PERF_INTERVAL
918640	Request new field: Gauged Annular Volume which is needed for the Cementing Report Fluid Volume Calculations.

OpenWells® Fixed Issues

The OpenWells® issues fixed for 5000.1.12.0 are described below.

Defect	Description
921745	Manual Rule Book Validation should not validate when user saves.
921744	As an OpenWells admin I need to be able to distinguish between two wellbores which have the same legal/common names when moving operations reports.
921743	Excess Slurry Volume calculation is incorrect
921742	OpenWells will create a duplicate definitive survey header in scenarios where a definitive survey header exists without an actual design.
921741	OpenWells data validation should prevent selection of 'Section Complete' when mandatory rules fail
921740	As a rig supervisor i need to have the data validation on my operations entry screen run whenever I check the "section complete" check box.
918555	CD_WELLBORE_OPENING needs wellbore_formation_id and reservoir_id to match what is in CD_PERF_INTERVAL.
880518	Require the ability to combine sections from Stimulation and Perforation reports into one report when using the Interactive Wellsite Interface.

Contacting Landmark Customer Support

Landmark software operates Technical Assistance Centers (TACs) in Australia, the United Kingdom, and the United States. Additional support is also provided through regional support offices around the world.

- **Support Via Web Portal**
- **Technical Assistance Centers**
- **Regional Offices**

Support Via Web Portal

Support information is always available on the Landmark Customer Support internet page. You can also submit a support request directly to Landmark Customer Support though the Landmark Customer Support Portal:

http://css.lgc.com/InfoCenter/index?page=home

To request support in the Landmark Customer Support Portal:

1. In the **PIN** and **Password** text boxes in the Please Sign In area, enter your registered personal identification number and password.
2. Click the **Sign In** button.
3. In the Case & Defect Information area, click the **Create A New Case** link.
4. In the **Create Case** area, fill in the necessary information. Provide details about your technical concern, including any error messages, the workflow steps where the problem occurred, and attachments of screen shots that display the problem. To help understand the concern, you can also attach other files too, such as example data files.
5. Click the **Submit** button. A support analyst in the nearest Technical Assistance Center will respond to your request.

Technical Assistance Centers

Asia, Pacific 8:00 am - 5:00 pm Local Time Monday-Friday, excluding holidays	**61-8-9481-4488 (Perth, Australia)** **Toll Free 1-800-448-488** Fax: 61-8-9481-1580 Email: apsupport@lgc.com
Europe, Africa, Middle East 9:00 am - 5:30 pm Local Time Monday - Friday, excluding holidays	**44-1372-868686 (Leatherhead, UK)** Fax: 44-1224-723260 (Aberdeen, UK) Fax: 44-1372-868601 (Leatherhead, UK) Email: support@lgc.com
Latin America (Spanish, Portuguese, English) 7:00 am - 5:00 pm Local Time	**713-839-3405 (Houston, TX, USA)** Fax: 713-839-3646 Email: soporte@lgc.com
North America 7:30 am - 5:30 pm Central Standard Time Monday - Friday, excluding holidays	**713-839-2200 (Houston, TX, USA)** **Toll Free 1-877-435-7542** **(1-877-HELP-LGC)** Fax: 713-839-2168 Email: support@lgc.com

Regional Offices

For contact information for regional offices, see the Contact Support page located at:

http://css.lgc.com/InfoCenter/index?page=contact&section=contact

If problems cannot be resolved at the regional level, an escalation team is called to resolve your incidents quickly.

© 2013 Halliburton
All Rights Reserved

This publication has been provided pursuant to an agreement containing restrictions on its use. The publication is also protected by Federal copyright law. No part of this publication may be copied or distributed, transmitted, transcribed, stored in a retrieval system, or translated into any human or computer language, in any form or by any means, electronic, magnetic, manual, or otherwise, or disclosed to third parties without the express written permission of:

Halliburton | Landmark Software & Services
2107 CityWest Blvd, Building 2, Houston, Texas 77042-3051, USA
P.O. Box 42806, Houston, Texas 77242, USA
Phone:713-839-2000, FAX: 713-839-2015
Internet: www.halliburton.com/landmark

Trademarks

3D Drill View, 3D Drill View KM, 3D Surveillance, 3DFS, 3DView, Active Field Surveillance, Active Reservoir Surveillance, Adaptive Mesh Refining, ADC, Advanced Data Transfer, Analysis Model Layering, ARIES, ARIES DecisionSuite, Asset Data Mining, Asset Decision Solutions, Asset Development Center, Asset Development Centre, Asset Journal, Asset Performance, AssetConnect, AssetConnect Enterprise, AssetConnect Enterprise Express, AssetConnect Expert, AssetDirector, AssetJournal, AssetLink, AssetLink Advisor, AssetLink Director, AssetLink Observer, AssetObserver, AssetObserver Advisor, AssetOptimizer, AssetPlanner, AssetPredictor, AssetSolver, AssetSolver Online, AssetView, AssetView 2D, AssetView 3D, Barrier Assurance Monitoring, BLITZPAK, CartoSnap, CasingLife, CasingSeat, CDS Connect, CGMage Builder, Channel Trim, COMPASS, Contract Generation, Corporate Data Archiver, Corporate Data Store, Data Analyzer, DataManager, DataServer, DataStar, DataVera, DBPlot, Decision Management System, DecisionSpace, DecisionSpace 3D Drill View, DecisionSpace 3D Drill View KM, DecisionSpace AssetLink, DecisionSpace AssetPlanner, DecisionSpace AssetSolver, DecisionSpace Atomic Meshing, DecisionSpace Base Module, DecisionSpace Desktop, DecisionSpace Geosciences, DecisionSpace GIS Module, DecisionSpace GRC Module, DecisionSpace Nexus, DecisionSpace Reservoir, DecisionSuite, Deeper Knowledge. Broader Understanding., Depth Team, Depth Team Explorer, Depth Team Express, Depth Team Extreme, Depth Team Interpreter, DepthTeam, DepthTeam Explorer, DepthTeam Express, DepthTeam Extreme, DepthTeam Interpreter, Desktop Navigator, DESKTOP-PVT, DESKTOP-VIP, DEX, DIMS, Discovery, Discovery 3D, Discovery Asset, Discovery Framebuilder, Discovery PowerStation, Discovery Suite, DMS, Drillability Suite, Drilling Desktop, DrillModel, DrillNET, Drill-to-the-Earth-Model, Drillworks, Drillworks ConnectML, Drillworks Predict, DSS, Dynamic Frameworks to Fill, Dynamic Reservoir Management, Dynamic Surveillance System, EDM, EDM AutoSync, EDT, eLandmark, Engineer's Data Model, Engineer's Desktop, Engineer's Link, ENGINEERING NOTES, eNotes, ESP, Event Similarity Prediction, ezFault, ezModel, ezSurface, ezTracker, ezTracker2D, ezValidator, FastTrack, Field Scenario Planner, FieldPlan, For Production, FrameBuilder, Frameworks to Fill, FZAP!, GeoAtlas, GeoDataLoad, GeoGraphix, GeoGraphix Exploration System, Geologic Interpretation Component, Geometric Kernel, GeoProbe, GeoProbe GF DataServer, GeoSmith, GES, GES97, GesFull, GESXplorer, GMAplus, GMI Imager, Grid3D, GRIDGENR, H. Clean, Handheld Field Operator, HHFO, High Science Simplified, Horizon Generation, I^2 Enterprise, iDIMS, iEnergy, Infrastructure, iNotes, Iso Core, IsoMap, iWellFile, KnowledgeSource, Landmark *(as a service)*, Landmark *(as software)*, Landmark Decision Center, LandNetX, Landscape, Large Model, Lattix, LeaseMap, Limits, LithoTect, LogEdit, LogM, LogPrep, MagicDesk, Make Great Decisions, MathPack, MDS Connect, MicroTopology, MIMIC, MIMIC+, Model Builder, NETool, Nexus *(as a service)*, Nexus *(as software)*, Nexus View, Object MP, OneCall, OpenBooks, OpenJournal, OpenLink, OpenSGM, OpenVision, OpenWells, OpenWire, OpenWire Client, OpenWire Server, OpenWorks, OpenWorks Development Kit, OpenWorks Production, OpenWorks Well File, Operations Management Suite, PAL, Parallel-VIP, Parametric Modeling, Permedia, Petris WINDS Enterprise, PetrisWINDS, PetroBank, PetroBank Explorer, PetroBank Master Data Store, PetroWorks, PetroWorks Asset, PetroWorks Pro, PetroWorks ULTRA, PLOT EXPRESS, PlotView, Point Gridding Plus, Pointing Dispatcher, PostStack, PostStack ESP, PostStack Family, Power Interpretation, PowerCalculator, PowerExplorer, PowerExplorer Connect, PowerGrid, PowerHub, PowerModel, PowerView, PrecisionTarget, Presgraf, PressWorks, PRIZM, Production, Production Asset Manager, PROFILE, Project Administrator, ProMAGIC Connect, ProMAGIC Server, ProMAX, ProMAX 2D, ProMax 3D, ProMAX 3DPSDM, ProMAX 4D, ProMAX Family, ProMAX MVA, ProMAX VSP, pSTAx, Query Builder, Quick, Quick+, QUICKDIF, Quickwell, Quickwell+, Quiklog, QUIKRAY, QUIKSHOT, QUIKVSP, RAVE, RAYMAP, RAYMAP+, Real Freedom, Real Time Asset Management Center, Real Time Decision Center, Real Time Operations Center, Real Time Production Surveillance, Real Time Surveillance, Real-time View, Recall, Reference Data Manager, Reservoir, Reservoir Framework Builder, RESev, ResMap, Resolve, RTOC, SCAN, SeisCube, SEISINFO, SeisMap, SeisMapX, Seismic Data Check, SeisModel, SeisSpace, SeisVision, SeisWell, SeisWorks, SeisWorks 2D, SeisWorks 3D, SeisWorks PowerCalculator, SeisWorks PowerJournal, SeisWorks PowerSection, SeisWorks PowerView, SeisXchange, Semblance Computation and Analysis, Sierra Family, SigmaView, SimConnect, SimConvert, SimDataStudio, SimResults, SimResults+, SimResults+3D, SIVA+, SLAM, Smart Change, Smart Deploy, Smart Flow, Smart Skills, Smart Start, Smart Sustain, Smart Transform, Smart Vision, SmartFlow, smartSECTION, smartSTRAT, Spatializer, SpecDecomp, StrataMap, StrataModel, StratAmp, StrataSim, StratWorks, StratWorks 3D, StreamCalc, StressCheck, STRUCT, Structure Cube, Surf & Connect, SurfNet, SynTool, System Start for Servers, SystemStart, SystemStart for Clients, SystemStart for Servers, SystemStart for Storage, Tanks & Tubes, TDQ, Team Workspace, TERAS, T-Grid, The Engineer's DeskTop, Total Drilling Performance, TOW/cs, TOW/cs Revenue Interface, TracPlanner, TracPlanner Xpress, Trend Form Gridding, Trimmed Grid, Tubular Basic, Turbo Synthetics, Unconventional Essentials, VESPA, VESPA+, VIP, VIP-

COMP, VIP-CORE, VIPDataStudio, VIP-DUAL, VIP-ENCORE, VIP-EXECUTIVE, VIP-Local Grid Refinement, VIP-THERM, vSpace, vSpace Blueprint, vSpace Onsite, WavX, Web Editor, Well H. Clean, Well Seismic Fusion, Wellbase, Wellbore Planner, Wellbore Planner Connect, WELLCAT, WELLPLAN, WellSolver, WellXchange, WOW, Xsection, You're in Control. Experience the difference., ZAP!, ZEH, ZEH Plot, ZetaAnalytics, Z-MAP, Z-MAP Plus, and ZPS are trademarks, registered trademarks, or service marks of Halliburton.

All other trademarks, service marks and product or service names are the trademarks or names of their respective owners.

Note

The information contained in this document is subject to change without notice and should not be construed as a commitment by Halliburton. Halliburton assumes no responsibility for any error that may appear in this manual. Some states or jurisdictions do not allow disclaimer of expressed or implied warranties in certain transactions; therefore, this statement may not apply to you.

Third Party Licenses and Attributions

Halliburton acknowledges that certain third party code has been bundled with, or embedded in, its software. The licensors of this third party code, and the terms and conditions of their respective licenses, may be found at the following location:

[Installdir]\Documentation\Third_Party.pdf

Disclaimer

The programs and documentation may provide links to external web sites and access to content, products, and services from third parties. Halliburton is not responsible for the availability of, or any content provided on, third party web sites. You bear all risks associated with the use of such content. If you choose to purchase any products or services from a third party, the relationship is directly between you and the third party. Halliburton is not responsible for: (a) the quality of third party products or services; or (b) fulfilling any of the terms of the agreement with the third party, including delivery of products or services and warranty obligations related to purchased products or services. Halliburton is not responsible for any loss or damage of any sort that you may incur from dealing with any third party.