PETROSYS SOFTWARE RELEASE NOTES VERSION 17

17.2sp8	October 2012

Introducing Petrosys Exchange

Petrosys version 17.2 introduces the Petrosys Exchange feature. Building on Petrosys' extensive suite of third-party connections, Petrosys Exchange allows for the transfer of a data type from one data source to another.

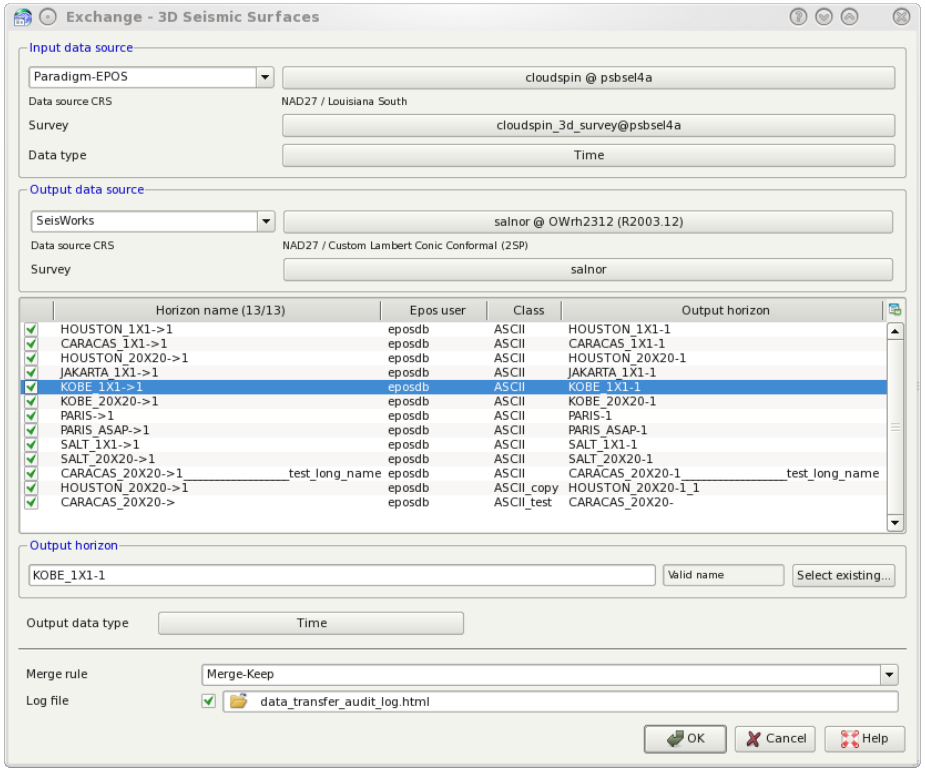
The pre-existing features of Spatial Data Translator and Wells Import Wizard have been re-arranged under the Exchange menu item, joined by the newly released 3D Seismic Surfaces Exchange and Fault Sticks Exchange options.

In the this release, 3D seismic surfaces and fault sticks are able to be read and written between all supported versions of Paradigm Epos (4 and 4.1) and SeisWorks (R2003.12 through to R5000.0.3.5). The Exchange tools require a consistent survey to be defined within each data source for successful transfer.

Exchange of surfaces and fault sticks can be saved to Surface Modeling task files so they can be easily re-executed and support either preservation or overwrite modes for existing data in the destination data source.

Functionality for 3D seismic surfaces and Fault sticks includes:

- Rename horizons and faults during transfer.
- Save your settings to a task file for replay later.
- Validation that surveys are equivalent.
- HTML and XML audit report showing what data was transferred.



Petrosys Exchange has been developed as an extendible framework to allow other third-party data sources to be added with further development. Please contact your Petrosys sales or support representative to provide input to possible future enhancements.

This feature was developed as a client sponsored project and has only been included in the general release on a trial basis. Other than the project sponsors, clients should expect that it may be subject to a separate licensing in future.

OpenWorks R5000.0.3.5 and Oracle 11

Petrosys now officially supports OpenWorks versions from R5000.0.1 through to R5000.0.3.5. In addition, any version of Oracle that is supported by support versions of OpenWorks is now supported by Petrosys, including Oracle 11 and 64-bit Oracle.

Better TurboVNC Experience

Several tasks that improve the experience of using Petrosys in a TurboVNC environment have been addressed. Performance, visibility and stability have all been improved.

Paradigm Epos 4.1 Support Added

Petrosys now supports Paradigm Epos 4.1 (Paradigm 2011.1) connectivity, in addition to the existing Paradigm Epos 4.0 support. All features that previously allowed the use of Epos 4 data have been upgraded for Epos 4.1, including the recently released Petrosys Exchange.

Streaming CPF

Support for streaming mode shape entry has been added to the Contour, Fault and Polygon (CFP) editor which allows shapes to be digitized by interactively drawing segments. This can be done using a mouse, but works best when using a monitor that supports entry by means of a stylus or direct touch.

ArcGIS 10.1 Support Added

The Petrosys Arc Plugin can now be used with data from ArcMap and ArcServer version 10.1. All features used by the plugin have been upgraded to take advantage of this additional support.

Petrel 2011.2 and ArcGIS 10.0sp4 Support Validated

Petrosys has validated support for Petrel 2011.2 in the Petrosys-Petrel plugin. As no code changes were required, all Petrosys versions that supported Petrel 2011.1 will also work with Petrel 2011.2. This includes all releases from Petrosys 16.9sp3.

Similarly the Petrosys-ArcGIS plugin has been validated against ArcGIS 10.0sp4 and is now officially supported by Petrosys. All versions of Petrosys that provided support for ArcGIS 10 will also work with ArcGIS 10.0sp4, including all releases from 16.8sp1.

Kriging Improvements

Surface Modeling's kriging function has been made easier to use, with improved interactivity in the data displays to better understand the effect of parameter changes, plus several improvements in the selection of default parameters.

Petrel 2012 Now Supported

Following the recent release of Petrel 2012, Petrosys has updated the Petrosys-Petrel plugin to allow continued access to your Petrel data. With the introduction of user customisable reference levels in Petrel 2012, the Petrosys-Petrel plugin has been enhanced to ensure that subsea depths correctly reflect your preferred reference level.

Enhancements

Petrosys release 17_2_8 [6 entries]

Client specific

36406 Santos - “VOLTS Code” field added to the Formations dialog

36550 Santos only - Formations VOLTS Code column added to DDL

Connections, import and export

36477 Petrosys Arc Plugin now supports Arc version 10.1

General

36775 File resolution when Merging DBM files in Mapping now occurs automatically

36841 Optimized the initialization of lists in panels

36570 Reimplemented an option which allows spaces to be replaced with underscores in filenames

Bug Fixes

Petrosys release 17_2_8 [6 entries]

Connections, import and export

36770 Domain values for grids and surfaces from previous Petrel versions are now displayed correctly when using Petrel 2012

36805 Paradigm plugin no longer fails to connect if the project name contains spaces

36325 Surfaces imported to Paradigm Basemap using Petrosys Exchange are now displayed correctly in Paradigm

Graphics/Plotting and Hardcopy

36471 Text Containing Non ASCII Characters Now Saved Correctly to CGM Files

Mapping

36641 Cancelling /File/Quit after editing a mapsheet, CFP or Grid no longer puts the application into an un-quitable state

36912 Database SIDs from Oracle Spatial data sources are now case independent

Detailed Release Notes

Petrosys release 17_2_8 [12 entries]

Client specific Enhancements

Santos - “VOLTS Code” field added to the Formations dialog 36406

A new field has been added to the "Formations" dialog - found under the menu option Admin/Reference Tables/Wells/Formations - which can be used to store the VOLTS code for a given formation.

Santos only - Formations VOLTS Code column added to DDL 36550

A new column - "VOLTS_CODE" - has been added to the "Formations" table for Santos.

Connections, import and export — Enhancements

Petrosys Arc Plugin now supports Arc version 10.1 36477

The Petrosys Arc Plugin now supports ArcMap and ArcServer version 10.1. The Petrosys ArcGIS plugin should be re-installed or updated before being used in conjunction with Arc 10.1.

Connections, import and export — Bug Fixes

Domain values for grids and surfaces from previous Petrel versions are now displayed correctly when using Petrel 2012 36770

Grids and surfaces selected using older versions of Petrel (pre 2012) will now be displayed with the correct domain values when displayed using Petrel 2012.

Paradigm plugin no longer fails to connect if the project name contains spaces 36805

Previously, attempting to connect to a Paradigm project with a name containing spaces would result in a connection failure. This no longer occurs, making connections to these projects possible.

Surfaces imported to Paradigm Basemap using Petrosys Exchange are now displayed correctly in Paradigm 36325

When writing surfaces to Paradigm using Petrosys Exchange, the dimensions and orientation of the the grid should now match the 3D seismic survey being written to. Previously some surfaces could have ended up with the wrong dimensions and/or orientation, which caused them to appear with the incorrect location and/or rotation when displayed in Paradigm Basemap.

General — Enhancements

File resolution when Merging DBM files in Mapping now occurs automatically 36775

Previously, merging a DBM into the active display list in Mapping required the location of each file referenced by the input DBM to be resolved manually. This process now occurs automatically.

Optimized the initialization of lists in panels 36841

Lists used by panels throughout the software have been optimized. Panels which use lists should now load faster and see a performance gain.

Reimplemented an option which allows spaces to be replaced with underscores in filenames 36570

A configuration option allowing spaces to be replaced with underscores in filenames has been reimplemented.

Graphics/Plotting and Hardcopy — Bug Fixes

Text Containing Non ASCII Characters Now Saved Correctly to CGM Files 36471

Non ASCII symbols can now be saved to CGM files. Previously, these symbols - notably the degrees symbol - were lost if included amongst other text.

Mapping — Bug Fixes

Cancelling /File/Quit after editing a mapsheet, CFP or Grid no longer puts the application into an un-quitable state 36641

A problem where the application became stuck in an un-quitable state has been fixed. This problem was triggered when the "Cancel" option was selected after quitting Mapping whilst an unsaved mapsheet, contour, fault, polygon or grid edit was in process.

Database SIDs from Oracle Spatial data sources are now case independent

36912

Display/GIS/Oracle-Spatial will now correctly process Petrosys Spatial Objects where the SID has been specified in a mix of upper or lower case characters.

Enhancements

Petrosys release 17_2_7 [7 entries]

Client specific

35365 Santos: Added support for Well aliases

31182 Santos: BASIC_WELLS now stores pad numbering for multi well drilling

35887 Santos: Field reservoirs associated with formation markers are now included in interval checking

35591 Santos: Updated user messages encountered during Formation and Reservoir TVD, TVT & TST calculations

35595 Santos: Well name and number now appear in the formation and reservoir TVD, TVT & TST reports

Connections, import and export

36283 Exchange - Reduced memory usage when writing 3D seismic surfaces to Paradigm

Mapping

35600 Georeference Image - Support added for resetting CRS to project default by use of right mouse button

Bug Fixes

Petrosys release 17_2_7 [17 entries]

Client specific

35518 Santos: Compute reservoir TVD, TVT, TST now works as intended

35571 Santos: Database triggers FTO_* now reference the correct table name for error reporting

Configuration

35234 ps_site_settings.xml created with less restrictive permissions

Connections, import and export

35488 Paradigm grids now have the missing value set correctly

33824 Support for Petrel 2012 added

dbMap

35533 Fixed "This cursor is already in use" error when computing Formation & Sand TVD, TVT, TST values

General - User interface

35562 Fixed in-cell editing of Lat/Lon values in Coordinates editor

Graphics/Plotting and Hardcopy

32897 Fixed crash when most recently used windows printer has been uninstalled

Mapping

35508 Crash fixed when using undo or redo in Mapping with more than a few layers

35990 Grids displayed as sun shaded and color inverted are drawn correctly on all redraws

34237 Occasional crash in Display/Grid/Values when zooming no longer occurs

36143 Paradigm 4.1 clipped grids now display correctly

Paradigm-Epos plugin

35957 Connection Manager Paradigm-EPOS PNS server selection dialog no longer crashes

Surface Modeling

35692 Grid/Create now works for Oracle Spatial data source

34578 KED now prompts user for action when null values at input point in trend grid are detected

35806 Volumetrics reports with multiple polygon regions were occasionally labelled incorrectly

Surface Modeling/Volumetrics

35575 Computed volumetric scale factor cannot be greater than 1.0

Detailed Release Notes

Petrosys release 17_2_7 [24 entries]

Client specific Enhancements

Santos: Added support for Well aliases 35365

Well Aliases can now be associated to a well and can be viewed and edited through the Basic Well header dialog. Well Aliases can also be used as map annotations and in well data selection.

Santos: BASIC_WELLS now stores pad numbering for multi well drilling 31182

Pad numbering is now stored as part of the well header and can be viewed and edited through the Basic Well header dialog.

Santos: Field reservoirs associated with formation markers are now included in interval checking 35887

Reservoirs associated with a formation marker are now include in interval checks. The interval is calculated as being the range from the depth of the formation marker and the top depth of the next formation below the marker.

Santos: Updated user messages encountered during Formation and Reservoir TVD, TVT & TST calculations 35591

Warning, information and confirmation messages encountered by the user during Formation and Reservoir TVD, TST & TST calculations have been checked and updated accordingly for consistency and accuracy.

Santos: Well name and number now appear in the formation and reservoir TVD, TVT & TST reports 35595

The use of the Well UWI has been replaced by the Well Name & Number when generating formation and reservoir TVD, TST & TVT reports.

Client specific Bug Fixes

Santos: Compute reservoir TVD, TVT, TST now works as intended 35518

An error in the SQL used during calculating Reservoir TVD, TVT & TST has been fixed.

Santos: Database triggers FTO_* now reference the correct table name for error reporting 35571

A correction has been made to the errors produced by the 3 triggers FTO_INSERT, FTO_UPDATE or FTO_DELETE where they were referencing the wrong table name in the database.

Configuration — Bug Fixes

ps_site_settings.xml created with less restrictive permissions 35234

On Linux, ps_site_settings.xml was being created with too restrictive permissions stopping other users modifying the file. The permissions have been relaxed to give as permissive permissions as the user's umask allows, allowing users who did not create the file to be able to change the site settings as intended.

As the user's umask is respected, it is still possible for a user with a restrictive umask to create a ps_site_settings.xml file that is not accessible to other users. This needs to be resolved by the user or systems administrator and is not a bug in Petrosys.

Connections, import and export — Enhancements

Exchange - Reduced memory usage when writing 3D seismic surfaces to Paradigm 36283

The memory usage of the Paradigm 3D seismic surface exchange feature has been improved, allowing larger surfaces to be written to Paradigm projects.

Connections, import and export — Bug Fixes

Paradigm grids now have the missing value set correctly 35488

A problem has now been fixed where under some conditions it was possible for a Paradigm grid to have its missing value set incorrectly and as a result report that it had an invalid Z-range.

Support for Petrel 2012 added 33824

Petrosys connectivity to Schlumberger's Petrel now supports direct interaction with version Petrel 2012.1, 64-bit.

The functionality of this integration includes the ability to:

- Import Model grid horizons and 3D seismic interpretation horizons to Petrosys grid file
- Import faults from Model grids to Petrosys fault file
- Import 2D and 3D seismic navigation and horizon interpretation data to Petrosys SDF
- Directly map Model grid horizons, Input surface grids and 3D seismic interpretation horizons
- Directly contour Model grid horizon data and Input surface grids
- Directly grid 2D and 3D seismic horizon interpretation data
- Directly display, grid and import wells
- Directly display 2D seismic navigation and horizon interpretation
- Directly display 3D seismic bin grids
- Export Petrosys and other third party grids to Petrel

Petrosys continues to maintain support for connections to Petrel 2008.1, 2009.1, 2009.2, 2010.1, 2010.2, 2011.x.

dbMap — Bug Fixes

Fixed "This cursor is already in use" error when computing Formation & Sand TVD, TVT, TST values 35533

Users will no longer receive the error message "This cursor is already in use" when computing Formation or Sand TVD, TVT and TST values.

General - User interface — Bug Fixes

Fixed in-cell editing of Lat/Lon values in Coordinates editor 35562

Coordinates editor now accepts Lat/Lon values correctly.

Graphics/Plotting and Hardcopy — Bug Fixes

Fixed crash when most recently used windows printer has been uninstalled 32897

Fixed the scenario where the most recently used printer was uninstalled and then, when a print was attempted, would cause a crash as the printer could not be found.

Mapping — Enhancements

Georeference Image - Support added for resetting CRS to project default by use of right mouse button 35600

The image geo-referencing panel now allows resetting of the CRS to the project default by use of the right mouse button.

Mapping — Bug Fixes

Crash fixed when using undo or redo in Mapping with more than a few layers 35508

A crash would occasionally occur in previous versions when undo or redo was used in Mapping that involved a significant number of map layers.

Grids displayed as sun shaded and color inverted are drawn correctly on all redraws 35990

In previous 17 versions, the "Color-Inverted" option for displaying sun shaded grids via the Display/Grid/Sun Shaded option would incorrectly alternate between drawing the grid with normal and inverted gradients on each redraw.

Occasional crash in Display/Grid/Values when zooming no longer occurs 34237

In previous v17 versions, the software could crash when zooming on a map displaying data using the Display/Grid/Values option.

Paradigm 4.1 clipped grids now display correctly 36143

A problem has been fixed where Paradigm-EPOS 4.1 clipped grids created from within BaseMap where not displayed correctly. The grid clipping is now honoured as expected.

Paradigm-Epos plugin — Bug Fixes

Connection Manager Paradigm-EPOS PNS server selection dialog no longer crashes 35957

When connecting to a Paradigm project/survey, a dialog asking to select the Paradigm-EPOS PNS gets displayed when there are multiple Paradigm-EPOS PNS servers defined in the connections.xml file. A crash in the dbMap program has been fixed when there is incomplete information obtained about the Paradigm-PNS server connection from the connections.xml file.

Surface Modeling — Bug Fixes

Grid/Create now works for Oracle Spatial data source 35692

Grid/Create from Oracle Spatial data source now works correctly.

KED now prompts user for action when null values at input point in trend grid are detected 34578

When kriging using KED, if the trend grid had a null value at an input point location, the kriged grid produced was incorrect. Users are now warned when there is a null point in the trend grid. The software will continue computing the kriged grid only if it is allowed by the user to ignore all input data points with corresponding null values on the trend grid.

Volumetrics reports with multiple polygon regions were occasionally labelled incorrectly 35806

In the grid-based slice volumetrics, when generating reports using more than one polygon region, it was possible for the area and volume data for the polygon to be incorrectly labelled with one of the other polygons used. This problem was introduced in version 17.0 and has been fixed in this release.

Note: the calculated volumes have not been affected by this change.

Surface Modeling/Volumetrics — Bug Fixes

Computed volumetric scale factor cannot be greater than 1.0 35575

The overall volume scale parameter used in grid-based and grid-based-slices volumetrics can now be greater than 1.0. Previously this field was constrained between 0.0 and 1.0. This constraint was being performed even when the Compute Scale Factor sub-dialog was used to work out the overall scale parameter.

Enhancements

Petrosys release 17_2_6 [8 entries]

Client specific

34861 Santos - Field reservoirs now allow selection of Chronostrat formation markers

Connections, import and export

35018 Fixed Qt DLL conflict for Petrel plugin

25812 Support added for SeisWare 2D seismic bulk shifts

General - graphics

32983 Gradient point entry dialog allows direct entry of absolute values

Import and Export

34848 Improved support for writing Z-values when exporting data into Petrel from seismic lines

Mapping

34883 Petrosys Spatial queries can now be executed on any database connection

Mapping/Coordinate Reference Systems

35101 Support added for two new Mercator derived CRS projections

Surface Modeling/Kriging

34987 Kriging panel has better resize behaviour

Bug Fixes

Petrosys release 17_2_6 [21 entries]

Client specific

35098 Santos - Cancel button when displaying Prospects & Leads now cancels the operation

31335 Santos - Formation thickness values for TVT and TST are now shown as positive values for horizontal wells

30677 Santos - Liquid Evaluation Tests now shows correct values for imperial units

34191 Santos - Mapping/Display/Prospects - Drilling Opportunities Targets now shows the correct information

34780 Santos - Mapping/Display/Prospects - Selected Drilling Opportunities on map now updates edit list correctly

Connections, import and export

35218 Exchange - 3D seismic surfaces written to Paradigm-EPOS now display correctly in Paradigm BaseMap

35115 Exchange - Added verification of output parameters before writing to stop erroneous data being created

35253 Exchange - Output data type value from an existing task is now correctly restored

35229 Export SDF to UKOOA no longer crashes when line name is longer than 15 characters

Mapping

35055 Display/GIS now allow saving Query Petrosys Spatial result to selection file

34850 Display/GIS now saves annotation query to dbm file

35233 Display/GIS reads the advanced description of Oracle Spatial layers more robustly

35046 Incorrect error removed when using Canada NTS landgrid as default

34568 Paradigm clipped grids now display correctly in Mapping

33998 Paradigm grids that were displayed as an incorrect mirror image are now correct

35284 Performance improved when loading dbm files containing very large legends

Paradigm-Epos plugin

35307 Removed the Add button from the Paradigm PNS server selection dialog

Project Selector

35135 Modifying users groups after using the apply button no longer causes a crash

Surface Modeling

35329 Anisotropic kriging fields now used correctly

35148 File/Export/ESRI Grid (BIL) crashing issue and performance in 3 band mode fixed

35351 Grid/Create now creates valid .tsk file for spatial data sources

Detailed Release Notes

Petrosys release 17_2_6 [29 entries]

Client specific Enhancements

Santos - Field reservoirs now allow selection of Chronostrat formation markers 34861

It is now possible to assign Chronostrat formation markers to Field Reservoirs. Note that these formations are not used when verifying formation intervals whilst editing Reservoir Summary values.

Client specific Bug Fixes

Santos - Cancel button when displaying Prospects & Leads now cancels the operation 35098

The cancel button on the process dialog during displaying of Prospects & Leads now correctly stops the operation. There are 2 dialogs that can be cancelled, the first queries for Prospects & Leads located in the current map area and the second performs the drawing operations. Stopping the first dialog will result in nothing being displayed, whilst cancelling the second will result in only a partial display of the Prospects & Leads on the map.

Santos - Formation thickness values for TVT and TST are now shown as positive values for horizontal wells 31335

The calculation of formation thickness values for TVT and TST no longer results in a negative value for horizontal wells.

Santos - Liquid Evaluation Tests now shows correct values for imperial units 30677

The data on the Liquid Evaluation Test dialog now correctly displays values in both metric and imperial units. Previously there was a problem when converting "Quantity gas" and "Flowing well head pressure".

Santos - Mapping/Display/Prospects - Drilling Opportunities Targets now shows the correct information 34191

Now when editing Drilling Opportunities from the map or display list, the Targets dialog will now show the correct data for the selected Drilling Opportunity.

Santos - Mapping/Display/Prospects - Selected Drilling Opportunities on map now updates edit list correctly 34780

Selecting Drilling Opportunities on the map now correctly synchronises the selection with the Edit list and vice versa.

Connections, import and export Enhancements

Fixed Qt DLL conflict for Petrel plugin 35018

The Petrosys plugin for Petrel now no longer conflicts with other Petrel plugins that use Qt libraries, so the psvr_petrel DLL can now be successfully launched. This problem only affected users who have Petrel plugins that use an incompatible version of the Qt framework.

Support added for SeisWare 2D seismic bulk shifts 25812

When reading 2D seismic interpretation data from SeisWare, we now support optional use of bulk shift data. This is available for import, direct display and direct gridding of 2D seismic data.

Connections, import and export Bug Fixes

Exchange - 3D seismic surfaces written to Paradigm-EPOS now display correctly in Paradigm BaseMap 35218

In 17.2.5 we introduced support for writing 3D seismic surfaces to Paradigm-EPOS. Surfaces written could have an incorrect orientation when displayed in Paradigm BaseMap if the associated Bin Grid was a right-handed grid system. This problem has now been fixed and surfaces written now display correctly in BaseMap irrespective of whether the grid system is left-handed or right-handed.

Exchange - Added verification of output parameters before writing to stop erroneous data being created 35115

It was possible in rare cases to transfer data from one data source to another with incorrect or erroneous information, resulting in the creation of unwanted data in the output data source. To stop this there is now a verification process in place when running each Exchange process task. This checks that the output data type, interpreter and version or type is valid for the intended output data source.

Exchange - Output data type value from an existing task is now correctly restored 35253

A problem has been fixed where the loading of an existing task file which contained an Exchange task and opening that task step up for editing, resulted in the output data type value not being restored correctly.

Export SDF to UKOOA no longer crashes when line name is longer than 15 characters 35229

A crash in Export SDF to UKOOA when line name is longer than 15 characters has been fixed. Previously the application would crash when it attempted to display a warning message to the user regarding the long line names.

General - graphics Enhancements

Gradient point entry dialog allows direct entry of absolute values 32983

The gradient point entry dialog allows control point positions to be specified via direct entry of an absolute value. It should be noted that while absolute values may be entered, the gradient file format only allows storage of control point values to limited precision, meaning that exact absolute values cannot always be set.

Import and Export Enhancements

Improved support for writing Z-values when exporting data into Petrel from seismic lines 34848

Export spatial data option no longer exports Seismic 2D data with zero value to Petrel. In previous version, they are exported as null value.

Mapping Enhancements

Petrosys Spatial queries can now be executed on any database connection 34883

Petrosys Display/GIS/Oracle-Spatial functionality has been extended to allow all "Petrosys Spatial" queries to execute in any selected database connection. This in turn allows the results of those queries to automatically link back to the primary dbMap database data, effectively integrating the many data sources even further (if this data can be linked).

Mapping Bug Fixes

Display/GIS now allow saving Query Petrosys Spatial result to selection file 35055

The result of querying Display/GIS - Petrosys Oracle Spatial data can now be saved to a selection file.

Display/GIS now saves annotation query to dbm file 34850

Display/GIS annotation query can now be saved to .dbm file.

Display/GIS reads the advanced description of Oracle Spatial layers more robustly 35233

Certain customers may have a special configuration that includes a custom "Advanced Description" column in the Display/GIS panel when displaying tables from an Oracle Spatial database. For configurations such as this there was a small chance in previous versions that a crash could occur when the "Advanced Description" column was populated.

Incorrect error removed when using Canada NTS landgrid as default 35046

An error message when the Canadian NTS landgrid was set as the default landgrid and a new map sheet was created using MapSheet/New/Pick on Map/Township Range has been corrected. Users can now create map sheets using Pick on Map when using the Canadian NTS landgrid.

Paradigm clipped grids now display correctly in Mapping 34568

A problem has been fixed where Paradigm clipped grids created from within BaseMap where not displayed correctly. The grid clipping is now honoured as expected.

Paradigm grids that were displayed as an incorrect mirror image are now correct 33998

A problem has been fixed where Paradigm grids displayed in Mapping where being flipped or mirrored compared to what was seen in Paradigm BaseMap

Performance improved when loading dbm files containing very large legends 35284

This change fixes a bug that was introduced in version 17.2.4, which caused loading of dbm files with very large legends to be extremely slow.

Mapping/Coordinate Reference Systems Enhancements

Support added for two new Mercator derived CRS projections 35101

Petrosys includes support for two new projections: EPSG 1024: "Popular Visualisation Pseudo Mercator" and EPSG 1026: "Mercator (Spherical)". The standard EPSG database shipped with Petrosys now supports the projected CRS EPSG: 3857 "WGS84 / Pseudo Mercator" which is based on the "Popular Visualisation Pseudo Mercator" projection, but there are no predefined projected CRSs that use the EPSG:1026 projection method. These projections are utilised by some popular web mapping and visualisation programs.

Paradigm-Epos plugin Bug Fixes

Removed the Add button from the Paradigm PNS server selection dialog 35307

The Add button on the Paradigm PNS server selection dialog has been removed as it was not providing any functionality.

Project Selector Bug Fixes

Modifying users groups after using the apply button no longer causes a crash 35135

A crash when modifying user groups in the administration dialog after pressing apply has been fixed. Previously Petrosys could crash if the apply button was used multiple times when assigning groups to users.

Surface Modeling Bug Fixes

Anisotropic kriging fields now used correctly 35329

Due to a bug introduced in 17.2sp5, the anisotropic Range, Sill and Nugget fields were not updated correctly. Some of the fields used the isotropic field settings, while others were not updated correctly. This has now been rectified.

File/Export/ESRI Grid (BIL) crashing issue and performance in 3 band mode fixed 35148

The export to BIL option now works more reliably and may be significantly faster.

Grid/Create now creates valid .tsk file for spatial data sources 35351

Grid/Create will save spatial data source information correctly to .tsk file. In previous version, data source information was written to an invalid tag, causing the data source options to not be configured correctly.

Surface Modeling/Kriging Enhancements

Kriging panel has better resize behaviour 34987

The kriging panel now resizes and re-lays out widgets better in response to changes in the window size.

Enhancements

Petrosys release 17_2_5 [3 entries]

Connections, import and export

32266 Petrosys Exchange - Read 3D horizons and Faults picks from SeisWorks and write to Paradigm Epos + R5000 support

26889 Support for OpenWorks R5000.0.3.5 validated

Surface Modeling/Kriging

34911 Kriging variogram map `tooltip` now shows direction information

Bug Fixes

Petrosys release 17_2_5 [10 entries]

Connections, import and export

34948 Display/Wells from Paradigm Epos no longer crashes

35044 Display/Wells from Paradigm Epos now shows correct well symbol

30185 Support for OpenWorks on Oracle 11 validated

dbMap - User interface

34868 SQL editor no longer crashes and disabled by default

GIS Editor

34996 Performance improvements to the Change Column operations

Mapping

33276 Custom description is now saved for drawing tools layers in Mapping

34945 Display/Scalebar allows scale bars to be shown at negative EN values

34811 MapSheet/Create Township range using mouse no longer needs a landgrid layer displayed

Seismic data

34810 StatX now uses the correct default font and highlights uphole names correctly when using different fonts

Surface Modeling/Kriging

34808 Kriging minimum and maximum Z-value clipping is now consistent with standard gridding

Detailed Release Notes

Petrosys release 17_2_5 [13 entries]

Connections, import and export — Enhancements

Petrosys Exchange - Read 3D horizons and Faults picks from SeisWorks and write to Paradigm Epos + R5000 support

32266

Version 17.2sp5 includes the latest release of the Petrosys Exchange series of tools to enable direct sharing of data between different 3rd party applications.

New functionality in this release:

- Read 3D seismic survey horizon data from SeisWorks and write to Paradigm Epos.
- Read Fault picks (Fault sticks) from SeisWorks and write them to Paradigm Epos.
- Upgrade the existing functionality that worked against SeisWorks R2003.12 and Paradigm Epos 4 to also work against SeisWorks R5000 and Paradigm Epos 4.1 (Paradigm 2011)

This functionality means 3D seismic surfaces and Fault picks (Fault sticks) can be transferred between any combination of:

- Paradigm Epos 4
- Paradigm Epos 4.1 (Paradigm 2011)
- SeisWorks R2003.12
- SeisWorks R5000

Support for OpenWorks R5000.0.3.5 validated

26889

Petrosys now officially supports connections to OpenWorks R5000.0.3.5 instances. All versions of OpenWorks from R5000.0.1 through to R5000.0.3.5 are supported for third-party connectivity.

Connections, import and export — Bug Fixes

Display/Wells from Paradigm Epos no longer crashes

34948

Previously, Display/Wells crashed for Paradigm Epos projects where the well headers contained a customized field called "UWI" or "NAME".

Display/Wells from Paradigm Epos now shows correct well symbol

35044

Display/Wells from Paradigm Epos now shows the correct well symbol for each well on the map. Previously all wells would appear with the same well symbol.

Support for OpenWorks on Oracle 11 validated

30185

Petrosys now officially supports connections to OpenWorks instances running on Oracle 11 (32-bit and 64-bit). Connectivity is supported for those versions of OpenWorks that are both supported as a third-party connection for Petrosys and supported by Landmark on Oracle 11 - currently this is limited to R5000.0.3.5.

dbMap - User interface — Bug Fixes

SQL editor no longer crashes and disabled by default

34868

A crash in the SQL editor when commenting parts of a query has been fixed.

In addition, the SQL syntax highlighting feature has been disabled by default. To enable the feature, start the configuration tool and set the Advanced/General/Enable syntax highlighting in SQL editor to true. When enabled the SQL edit field will perform syntax highlighting and keyword completion for SQL.

GIS Editor — Bug Fixes

Performance improvements to the Change Column operations

34996

This operation has noticeably better performance when used on large culture groups.

Mapping — Bug Fixes

Custom description is now saved for drawing tools layers in Mapping

33276

In previous versions, modifying the description for a rectangle, curve, closed shape, circle or ellipse drawing tools layer did not work after the layer was created.

Display/Scalebar allows scale bars to be shown at negative EN values

34945

In previous v17 versions, scale bars could not be shown at negative easting or northing positions on a map. For example, on a world map with a central meridian of 0 degrees, scale bars would always be shown in the upper right quadrant.

MapSheet/Create Township range using mouse no longer needs a landgrid layer displayed

34811

A bug where /MapSheet/New/Pick On Map/Township Range incorrectly raised an error when creating a map sheet without a landgrid layer displayed, but the global landgrid is set, has been fixed.

Seismic data — Bug Fixes

StatX now uses the correct default font and highlights uphole names correctly when using different fonts

34810

The usage of fonts and default fonts in the StatX application has been fixed up. This also fixes incorrect looking highlighting, aka the green ghost, of upholes when the default font was different to the other fonts used. The /Display/Depth/Time graph now also correctly uses the application default font as set in /File/Preferences/Default Font.

Surface Modeling/Kriging — Enhancements

Kriging variogram map `tooltip` now shows direction information

34911

When you 'hover' over a point on the variogram map, the tooltip displayed now includes the direction of the map points. This is useful when assessing any anisotropic trends in the data.

Surface Modeling/Kriging — Bug Fixes

Kriging minimum and maximum Z-value clipping is now consistent with standard gridding

34808

The way Z-values are clipped in kriging has been made consistent with the other grid creation operations. Previously, it used to exclude any input data outside the range of the minimum and maximum Z-values as set by the user on the "methods" tab of the grid/create grid panel. Now it includes all the input data, but clips the output kriged grid values to the minimum or maximum values provided by the user as is done in standard gridding.

Enhancements

Petrosys release 17_2_4 [22 entries]

Configuration/License Keys

34221 FLEXlm use of cache file (.flexlmrc) now disabled by default on Linux which can improve start time

Connections, import and export

20498 Add support for new Kelman PPDM 3.8 data model

33991 Increased the width of Grid Version and Comments fields when exporting to Paradigm

34281 Pressing Cancel when adding new Paradigm connections now closes the dialog without trying to select all connections

33962 Template OpenWorks environment script now supports Oracle 11g

ESRI plugin

34262 ArcGIS Plugin - Confirmed support for 10.0sp4

General - User interface

34170 /View/Snapshot technology changed to work in environments such as TurboVNC

34303 Color Selector color number shown on mouse over

34774 Improved appearance of Drilling Opportunities checkbox on TurboVNC

34412 Optimised screen output to help TurboVNC

33549 Text entered into multi line text fields is automatically converted to upper case when appropriate

GIS Editor

34216 Performance improvements to the Compute value and Change Column operations

34484 Restriction of 80 characters per line in files displayed in fixed format browser has been lifted

Import and Export

33971 Improved support for writing Z-values when exporting data into Petrel from seismic lines or wells

33563 Spatial data translator - enable more Petrel output options for scripting

Mapping

34534 Performance of opening dbm files with many layers has been improved

34548 Performance of the Mapping display list has been improved when many layers are present

Mapping/Editors

33208 CFP Editor: New method for streaming entry of polygons, faults and contours

Mapping/Wells

34041 Unlimited depth annotations along well path now supported

Paradigm-Epos plugin

32230 Support for Paradigm 2011 (Epos 4.1) - Linux

Seismic data

15830 StatX - Uphole section report has been enhanced

Surface Modeling/Kriging

29940 Kriging ease of use improvements

Bug Fixes

Petrosys release 17_2_4 [40 entries]

Connections, import and export

34326 Display/GIS now works with Paradigm-EPOS culture group names containing commas

33798 Kelman 2D seismic line header - Child screens are now updated when different seismic lines are selected

34355 Now able to connect to IESX projects where the project name and password do not match

34165 OpenWorks dispatch grids no longer give CRS error

34022 OpenWorks/SeisWorks 3D survey bin grids with original CRS different to project are now displayed correctly

34190 SeisWare 3D Seismic Horizons that do not contain values for every Inline/Xline intersection now import and display correctly

General - graphics

34513 Georeference Image on TurboVNC - Freeze when double clicking to add points is fixed

General - User interface

33391 Fixed formatting of dialog fields

34730 Fixed SQL syntax highlighting to use correct font

34350 Small, large and fixed-pitch fonts are now used correctly in all parts of the application

34707 Text widget uses correct font

GIS Editor

32356 Fixed editing of entries in Format generator

Graphics/Plotting and Hardcopy

34140 Export ZGF - Now exports with correct colors and text sizing/orientation

34126 HPGL plotter driver - Text sizing is correct

Import and Export

33975 Spatial data translator Petrel panel remembers previous setting

Mapping

34056 2D seismic lines are shown correctly in the legend

34061 Display/Text allows entry of negative numbers for rotation angles

33275 Merging a dbm file no longer sets the dbm file being merged as the current file

34351 Using the apply button when editing map legends no longer causes a crash

Mapping/2D Seismic

34219 2D seismic display of VAV data from SDF ignores any selected second horizon

34296 2D Seismic lines selected in the Lists/Seismic/Lines dialog are highlighted on the map

34184 Display 2D Seismic - Fault cuts tab has annotation size and decimal places field in correct place

34185 Interactive tracking along 2D seismic from an SDF works at the start and end of the line

Mapping/Editors

34215 CFP Editor - Point editor now allows adding of points to 2 point fault or contour segments

34115 CFP Editor clip contours to polygon file now handles more than 10,000 point contours

34065 The Lists/Assets option no longer crashes when items are de-selected

Mapping/Map Sheets

34603 Improvements to landgrid handling in map sheet editing

Mapping/Spatial

34122 Display/GIS no longer crashes when displaying Petrel data in multiple layers

33198 Display/Spatial no longer crashes while working with large shapefiles

34366 Selection file based filtering works when displaying spatialized domain data stored in Oracle Spatial using Display/GIS

33806 The Display/GIS Query Attribute option no longer crashes if the layer is switched to a different data source

Mapping/Surfaces

34171 /Display/Grid/Sunshaded - Monochrome and single color styles now work for rectangle method

Mapping/Wells

34677 Display/Wells correctly shows zone symbols based on WDF attributes

Project Selector

34402 Users restricted by group in the project selector can no longer access all groups

Seismic data

34418 StatX - clicking next/previous from the Depth/Time graph now correctly selects upholes

34413 StatX - modified list windows to allow in-cell editing and provide better navigation through items

34419 StatX - no green/black ghosting when selecting upholes

Surface Modeling

34019 The ability to use raw fault Z values as input to grid creation has been restored

Surface Modeling/Kriging

31265 Incorrect error message about different grid dimensions when running kriging has been removed

Surface Modeling/Volumetrics

32925	Grid-Based Volumetrics - Volume factor is now set correctly when pressing the "compute" button

Detailed Release Notes

Petrosys release 17_2_4 [62 entries]

Configuration/License Keys Enhancements

FLEXlm use of cache file (.flexlmrc) now disabled by default on Linux which can improve start time 34221

On Linux Petrosys will now tell FLEXlm to ignore any license managers set in the PETROSYS_LICENSE_FILE string in the $HOME/.flexlmrc file on Linux. FLEXlm calls this file the 'cache file' as in the past any time a successful connection to a license server occurred FLEXlm added this license server to this file. This causes a problem when that license server is no longer available, as it is mentioned in this .flexlm file FLEXlm will still try and attempt to connect to it. This can cause long time outs in some situations whilst waiting for the non-existent license server to respond, as it checks the entries in .flexlmrc before the prime configuration option set in the PETROSYS_LICENSE_FILE environment variable.

If you would like to persist the old behaviour of reading the .flexlmrc file first then please set the environment variable in the petrosys.cfg file in the root directory of the Petrosys install.

Connections, import and export Enhancements

Add support for new Kelman PPDM 3.8 data model 20498

Petrosys' Kelman KTI link has been updated to support the PPDM 3.8 Kelman data model. Functionality including direct display of 2D seismic lines, reports and seismic line list functionality is now available for the new model.

Increased the width of Grid Version and Comments fields when exporting to Paradigm 33991

The maximum character limit allowed for the fields Grid Version and Comments, has been increased from 30 and 31 respectively to 256 characters.

Pressing Cancel when adding new Paradigm connections now closes the dialog without trying to select all connections 34281

When adding new Paradigm-EPOS connections the user may be presented with a list of PNS servers. Previously if the user clicked the Cancel button dbMap would poll all the servers for a list of projects. Now clicking Cancel will close the server selection dialog and cancel the connection add process.

Template OpenWorks environment script now supports Oracle 11g 33962

The template ps_lgclogin.csh script shipped with Petrosys now looks for Oracle libraries in an additional location if OpenWorks is running on Oracle 11g. This makes it easier to configure Petrosys to run against OpenWorks installations that use Oracle 11g.

Connections, import and export Bug Fixes

Display/GIS now works with Paradigm-EPOS culture group names containing commas 34326

Previously, Display/GIS was unable to correctly access Paradigm-Epos culture groups that contained a comma ',' in their name. Petrosys can now successfully read these culture groups.

Kelman 2D seismic line header - Child screens are now updated when different seismic lines are selected 33798

The Kelman KTI seismic line acquisition, segments and inventory screens were not being updated as different seismic lines were selected in the list or on the map. They are now updated and kept synchronised with the seismic line header screen as different lines are selected.

Now able to connect to IESX projects where the project name and password do not match 34355

A bug was introduced in version 17.0 which meant users could not connect to an IESX project if the password was different to the project name. This affected seismic data only and has been fixed.

OpenWorks dispatch grids no longer give CRS error 34165

When selecting a grid for display from OpenWorks using a dispatch connection on Windows, it no longer gives error CRS:156 - "Unable to obtain coordinate reference system".

OpenWorks/SeisWorks 3D survey bin grids with original CRS different to project are now displayed correctly 34022

OpenWorks/SeisWorks 3D survey bin grids that are defined using an original CRS that is different to the CRS of the OpenWorks project are now displayed in the correct location in Mapping.

Previously these 3D surveys could appear with up to three of the bin grid corner points a significant distance (100+ m) away from where they should have been, depending on the different CRSs that were involved.

SeisWare 3D Seismic Horizons that do not contain values for every Inline/Xline intersection now import and display correctly 34190

3D Seismic Horizons read from SeisWare that do not have data for every Inline/Xline intersection can now be successfully imported and are displayed correctly in Mapping.

ESRI plugin — Enhancements

ArcGIS Plugin - Confirmed support for 10.0sp4 34262

We have confirmed that any version of Petrosys released since 16.8sp1 will work with the latest ArcGIS 10.0sp4 version from Esri.

General - graphics — Bug Fixes

Georeference Image on TurboVNC - Freeze when double clicking to add points is fixed 34513

A freeze or hang that could occur whilst geo-referencing images in Mapping has been fixed. This freeze occurred more frequently with TurboVNC clients.

General - User interface — Enhancements

/View/Snapshot technology changed to work in environments such as TurboVNC 34170

The /View/Snapshot option has had its underlying technology changed which should help it work better in environments such as TurboVNC. Additionally the initial size of the snapshot window will now match the size of the window being snapshotted.

Color Selector color number shown on mouse over 34303

In the color selector you can see the index number and RGB value for the color currently under the mouse in a field at the bottom of the screen.

Improved appearance of Drilling Opportunities checkbox on TurboVNC 34774

The "Data selection" enabling check-box in the /Display/Prospects/Drilling Opportunities dialog is now more visible, particularly in TurboVNC.

Optimised screen output to help TurboVNC 34412

TurboVNC can have sub-optimal performance in cases where the Petrosys status bar required frequent updates, including polygon creation and coordinate tracking. This information is now updated less frequently to allow TurboVNC and some other systems to work more efficiently. The speed of this updating can be controlled by an Advanced configuration option in the "Application Internals" section.

Text entered into multi line text fields is automatically converted to upper case when appropriate 33549

Some text entry fields require upper case text to be entered. In these fields, any text entered is automatically converted to uppercase, which did not happen in previous v17 versions.

General - User interface — Bug Fixes

Fixed formatting of dialog fields 33391

Formatting options are now supported in dialogs. This allows all numeric fields to have the displayed precision to be controlled.

Fixed SQL syntax highlighting to use correct font 34730

SQL syntax highlighting now uses the correct font from application configurations.

Small, large and fixed-pitch fonts are now used correctly in all parts of the application 34350

In previous versions of 17, some parts of the application did not honour the font style and size settings from the configuration tool appearance settings. This has been fixed so the appearance always follows the appropriate settings.

Text widget uses correct font 34707

Text widget uses correct font settings. Previously the text widget would always use the "Courier" font.

GIS Editor Enhancements

Performance improvements to the Compute value and Change Column operations 34216

These operations have noticeably better performance when used on large culture groups.

Restriction of 80 characters per line in files displayed in fixed format browser has been lifted 34484

Fixed format browse window now can correctly display files with more than 80 characters in line.

GIS Editor Bug Fixes

Fixed editing of entries in Format generator 32356

Format generator entries can now be edited in-cell. Type entries can be selected by double click on the list item in the Type column.

Graphics/Plotting and Hardcopy Bug Fixes

Export ZGF - Now exports with correct colors and text sizing/orientation 34140

The option /File/Export/ZGF will now export with the correct colors and text sizing.

HPGL plotter driver - Text sizing is correct 34126

Plotting using HPGL/2 output now plots with the correct sized text.

Import and Export Enhancements

Improved support for writing Z-values when exporting data into Petrel from seismic lines or wells 33971

Exporting 2D seismic horizon data and well data via the Mapping/Export Spatial Data option to Petrel now writes an appropriate Z-value. For 2D seismic, the horizon data value is written, whereas for wells the zone/formation depth is written. In previous versions, these values were written as attribute values rather than as Z-value.

Spatial data translator - enable more Petrel output options for scripting 33563

Scripting has been enabled for Petrel data source in Spatial Data Translator.

Import and Export Bug Fixes

Spatial data translator Petrel panel remembers previous setting 33975

The Petrel output panel in the Spatial Data Translator now restores the settings from the previous run where this is appropriate. This is potentially useful when performing a number of exports into Petrel where the settings are similar.

Mapping Enhancements

Performance of opening dbm files with many layers has been improved 34534

The time taken to open a dbm file has been radically improved over previous v17 and v16 versions. This change is most noticeable for dbm files containing a large number of layers.

Performance of the Mapping display list has been improved when many layers are present 34548

The display list now performs faster when dbm files are loaded, layers are ordered interactively through drag-and-drop and when closing a map. This performance improvement is most noticeable when working with a large number of layers.

Mapping Bug Fixes

2D seismic lines are shown correctly in the legend 34056

In previous versions Display/2D Seismic layers were not shown correctly in the legend - either the line was not shown or shown in an incorrect style.

Display/Text allows entry of negative numbers for rotation angles 34061

In previous v17 versions, Display/Text layers could incorrectly only be displayed at positive angles.

Merging a dbm file no longer sets the dbm file being merged as the current file 33275

In previous v17 versions of Petrosys, when a dbm file was merged in, the merged dbm file was incorrectly flagged as the current dbm file open, which could lead to the merged file being inadvertently overwritten.

Using the apply button when editing map legends no longer causes a crash 34351

In previous v17 versions, using the Apply button on the Display/Legend dialog caused a problem that could subsequently cause a crash when further changes were made to dialog fields. This crash occurred consistently on Linux, but also may have happened on the Windows version as well.

Mapping/2D Seismic — Bug Fixes

2D seismic display of VAV data from SDF ignores any selected second horizon
34219

Display of VAV data from an SDF in the Display/2D Seismic option requires a single horizon to be selected, with the optional second horizon being disabled. In previous versions, if the disabled second horizon happened to be non-blank (for example, if the 2D Seismic layer was previously used to display a different data type), the VAV data was not shown correctly.

2D Seismic lines selected in the Lists/Seismic/Lines dialog are highlighted on the map
34296

Selecting lines in one of the Lists/Seismic window now correctly draws the corresponding line as highlighted on the map, which did not happen in previous versions of 17.

Display 2D Seismic - Fault cuts tab has annotation size and decimal places field in correct place
34184

The "Fault cuts" tab in the /Display/2D Seismic option now has the "Decimal places" and "Annotation size" fields in the correct location. Previously they were swapped.

Interactive tracking along 2D seismic from an SDF works at the start and end of the line
34185

Previously, when interactively tracking right at the beginning or end of a seismic line displayed from an SDF file, there was a chance that the program could crash.

Mapping/Editors — Enhancements

CFP Editor: New method for streaming entry of polygons, faults and contours
33208

A new streaming method for the creation of contours, faults and polygons has been added to the CFP editor. Turning this method on will allow these items to be created by clicking and dragging the mouse to create a single contour segment, it also allows easier control over the contour levels and degree of smoothing/splining applied to the line segments. This allows more natural creation of lines when using the mouse or with devices like Wacom Interactive Pen Displays.

To enable this new entry mode turn on the 'Enable stream edit mode' checkbox in the 'Display/Edit Parameters' dialog that you see on first entry into the CFP editor option. Now when you click the icon for a new contour,fault or polygon you will see a new dialog that controls the creation of these new items, this dialog stays on the screen during the whole creation process. For contours you can type in a level and each time you press 'Add Contour' the currently entered line string will be added using that level, use the previous/next level arrows to increment and decrement the contour level by the specified amount.

Mapping/Editors — Bug Fixes

CFP Editor - Point editor now allows adding of points to 2 point fault or contour segments
34215

The point editor mode in the Contour,Fault, Polygon editor in Mapping will now work correctly on objects with only 2 or 3 points.

CFP Editor clip contours to polygon file now handles more than 10,000 point contours
34115

The option to clip contours to a Polygon file in the CFP Editor will now work with contours with more than 10,000 points. Previously a contour with more than 10,000 points could cause the software to crash.

The Lists/Assets option no longer crashes when items are de-selected
34065

In previous versions, de-selecting items from the assets item screen or locations from the assets location screen could could the program to crash.

Mapping/Map Sheets — Bug Fixes

Improvements to landgrid handling in map sheet editing 34603

Fixed a bug introduced in 17.0 where landgrid file in MapSheet/Edit Landgrid tab was incorrectly changed from a file selector to a read only field.

Mapping/Spatial — Bug Fixes

Display/GIS no longer crashes when displaying Petrel data in multiple layers 34122

Display data from Petrel in multiple Display/GIS layers now works as expected - in previous versions this could cause the program to crash.

Display/Spatial no longer crashes while working with large shapefiles 33198

In previous v17 versions, the Display/GIS option did not handle large input data gracefully, and a crash could occur beyond a certain size.

Selection file based filtering works when displaying spatialized domain data stored in Oracle Spatial using Display/GIS 34366

Depending on site configuration, Display/GIS can be used to display spatialized wells, seismic, culture or lease data stored in an Oracle Spatial database. When data such as this is displayed, the Display/GIS option supports filter options specific to the data being displayed, for example allowing well selection list to be used when display well data. In previous versions, this domain specific filtering did not work - no data was displayed.

The Display/GIS Query Attribute option no longer crashes if the layer is switched to a different data source 33806

When data is displayed on a map using Display/GIS, a right mouse button option is available (after selecting the layer on the map) to interactively query attributes from drawn objects. In previous versions if the Display/GIS layer was modified to display different data (for example from a shapefile instead of from ArcSDE), the query attributes option would crash.

Mapping/Surfaces — Bug Fixes

/Display/Grid/Sunshaded - Monochrome and single color styles now work for rectangle method 34171

The Mapping option /Display/Grid/Sunshaded will now work correctly with the Monochrome and single color styles when using the rectangle display method.

Mapping/Wells — Enhancements

Unlimited depth annotations along well path now supported 34041

Previously there was a limit of 500 depth annotations that could be posted along a directional survey. This limit has been removed.

Mapping/Wells — Bug Fixes

Display/Wells correctly shows zone symbols based on WDF attributes 34677

The Display/Wells option has the ability to display a zone symbol based on an attribute value from a WDF. In version 16.10 a bug was introduced where the zone symbol was not read from the attribute, but always set to the default symbol instead.

Paradigm-Epos plugin — Enhancements

Support for Paradigm 2011 (Epos 4.1) - Linux 32230

Paradigm Epos 4.1 (Paradigm 2011) is now supported as a data source in all features that previously supported Paradigm Epos 4 data. For a detailed description of Petrosys Epos 4 data support please read the release notes from the 16.9 and 17.1 releases.

Petrosys continues to support Paradigm Epos 4 data source unchanged.

Project Selector — Bug Fixes

Users restricted by group in the project selector can no longer access all groups 34402

In previous versions, users configured in the project selector to only have access to projects belonging to certain groups could incorrectly see projects assigned to groups that they did not have access to.

Seismic data — Enhancements

StatX - Uphole section report has been enhanced 15830

The Uphole section of StatX Statics report has now been extended to include the velocity and depth weathering information for each of the Upholes.

Seismic data — Bug Fixes

StatX - clicking next/previous from the Depth/Time graph now correctly selects upholes 34418

Upholes in the main StatX window are no longer skipped when the StatX Upholes display list and the Depth/Time graph dialogs are both open, and the next or previous Uphole buttons in the Depth/Time dialog are used to select between the Upholes.

StatX - modified list windows to allow in-cell editing and provide better navigation through items 34413

Depth vs Time, Depth vs Velocity, Insert Data and Elevations windows now support in-cell editing and provide better navigation options using Tab, Shift+Tab, and Enter within the StatX application.

StatX - no green/black ghosting when selecting upholes 34419

In the StatX application, the uphole highlighting has been changed to remove the green halo/ghosting around previously selected uphole annotation text. This fix only helps for text that is outside of the colorfill region, i.e. text that is above the colorfill region or if colorfill is disabled.

Surface Modeling — Bug Fixes

The ability to use raw fault Z values as input to grid creation has been restored 34019

The use of uninterpolated fault Z values for gridding input was inadvertently disabled in version 17.0. Whenever fault Z values were selected for gridding input, they were always interpolated along the fault location. The ability to use non-interpolated fault Z values has been restored.

Surface Modeling/Kriging — Enhancements

Kriging ease of use improvements 29940

Several changes have been made to the kriging option to make it easier to use:

- A button has been added to the variogram tab of kriging which allows users to set initial parameters automatically for the theoretical variogram type they have selected. This makes it much easier to fit a theoretical variogram to the experimental data.
- The experiment's statistical data is collected and the variogram map populated automatically on start-up and presented to the user for inspection
- Drawing of variograms is now done whenever any parameter is changed. This allows users to see immediately the impact of varying different parameters

Surface Modeling/Kriging — Bug Fixes

Incorrect error message about different grid dimensions when running kriging has been removed 31265

An incorrect error message about differing grid dimensions when running kriging has been removed. This error used to be shown when displaying the variogram map.

Surface Modeling/Volumetrics — Bug Fixes

Grid-Based Volumetrics - Volume factor is now set correctly when pressing the "compute" button 32925

The calculation of the volume scale factor from parameters specified after pressing the Compute button is now correctly set in the dialog. The original scale values used to be reset after the OK button was pressed on compute dialog for grid based top & base or thickness volumetrics.

Enhancements

Petrosys release 17_2_3 [2 entries]

Client specific

33593 Fracture Database reference table screens now available (Santos only)

Mapping

33478 Selecting a 2D seismic line on map now shows the survey name

Bug Fixes

Petrosys release 17_2_3 [3 entries]

Import and Export

33691 Spatial export to Petrel 2011 exports numeric attributes

Mapping

34006 Display/3D Seismic Bin Grid was defaulting to Lines & Symbols tab

Project Selector

34047 New/Copy project parent directory selector re-enabled

Detailed Release Notes

Petrosys release 17_2_3 [5 entries]

Client specific — Enhancements

Fracture Database reference table screens now available (Santos only)

33593

Reference tables used by the Fracture database (FracDB) data model can now be edited in Desktop dbMap application. The tables can be accessed from Admin/Reference tables/PPDM/General Reference...

Import and Export — Bug Fixes

Spatial export to Petrel 2011 exports numeric attributes

33691

Spatial data translator and export spatial data from Mapping now support exporting numeric attributes to Petrel 2011.

Mapping — Enhancements

Selecting a 2D seismic line on map now shows the survey name

33478

When selecting a 2D seismic line on the map from dbMap or a 3rd party datasource we previously displayed the Seismic line name and the Seismic survey Id. We have now changed this to display

Mapping — Bug Fixes

Display/3D Seismic Bin Grid was defaulting to Lines & Symbols tab

34006

The Display/3D Seismic Bin Grid screen was showing the 'Lines & Symbols' tab when it was first opened. This has been fixed to show the 'Input data' tab instead.

Project Selector — Bug Fixes

New/Copy project parent directory selector re-enabled

34047

A bug was introduced in 17.2sp2 that caused Standard users to be unable to change the parent directory for a project when creating or copying. This has been fixed to allow Standard users to select the destination of projects.

Enhancements

Petrosys release 17_2_2 [4 entries]

Project Selector

33093 Added ability to hide Petrosys released project templates

33039 Added filter/search support to /New/Templates list

Web map server

32273 Authentication not required if request comes from specified domains

Well data

33762 Scale added to Wells (WDF) editor directional survey plot

Bug Fixes

Petrosys release 17_2_2 [5 entries]

Administration/Petrosys Project

33640 Wildcard (*) user group access rights no longer affect named users

Connections, import and export

33630 Paradigm-EPOS well final TD and subsea reference depths are now displayed correctly

GIS Editor

30049 Compute Value function is now operational

Mapping

33633 File paths for WDF and gradient files now mapped correctly

33130 Fixed window adding new dbMap culture points

Detailed Release Notes

Petrosys release 17_2_2 [9 entries]

Administration/Petrosys Project — Bug Fixes

Wildcard (*) user group access rights no longer affect named users

33640

In 17.2, the group access rights of the wildcard '*' user were incorrectly being applied to named users. This has been corrected so named users are no longer affected by access rights granted to the '*' user.

Connections, import and export — Bug Fixes

Paradigm-EPOS well final TD and subsea reference depths are now displayed correctly

33630

When displaying, gridding or importing wells from Paradigm-EPOS, the Final TD values are now correct for the units of the project. Previously, for projects that were in feet, the Final TD values were over three times bigger than they should be (the metres to feet conversion factor). Similarly, for these projects, the subsea reference depth shown on the RMB/Well header dialog was over three times bigger than it should be.

This was not a problem for projects that were in metres, and did not affect TVD subsea depths computed for formation tops, etc.

GIS Editor — Bug Fixes

Compute Value function is now operational

30049

The "Compute Value" function is now operation in the Culture editor. This function can do mathematical operations on attributes(variables) in a culture point data group. Previously the culture editor would hang during the value computation.

Mapping — Bug Fixes

File paths for WDF and gradient files now mapped correctly

33633

Previously, when opening .dbm files containing gradients or WDFs from other project directories, the dbm may not have loaded correctly as it would not resolve the path to the appropriate file. This has now been fixed, so dbm files can be loaded irrespective of the current project.

Fixed window adding new dbMap culture points

33130

New dbMap culture points can be inserted now by in-cell editing list values.

Project Selector — Enhancements

Added ability to hide Petrosys released project templates

33093

Configuration option has been added to allow filter out Petrosys shipped project templates.

Added filter/search support to /New/Templates list

33039

Project templates can be filtered and searched now conveniently in the list widget. The standard ctrl+F and ctrl+K keyboard shortcuts can be used to invoke the search and filter functions respectively.

Web map server — Enhancements

Authentication not required if request comes from specified domains

32273

The Petrosys WMS server has the ability to optionally force users to authenticate by entering a username and password before a map will be created. We now allow administrators to specify a list of trusted IP addresses or host names that are allowed to connect to the WMS server without specifying a username and password.

Users can specify the exact IP address or hostname, or use wildcard patterns - e.g. '192.168.1.*'

Supported wildcards are:

- * - Zero or more characters
- ? - One character
- # - Numeric character
- % - Alphabetic character

Scale added to Wells (WDF) editor directional survey plot 33762

The Wells (WDF) Editor well directional survey plot now includes distance annotations in each direction. This makes it easier for the user to visualise the extent of the deviation.

Enhancements

Petrosys release 17_2_1 [20 entries]

Client specific

33622 Added "Contingent" to the Status combo box on the Drilling Opportunities dialog - Santos only

31867 Added security to restrict editing of Reservoir Summaries & Formation Tops - Santos only

31869 Added the ability to copy Reservoir picks between Fields - Santos only

30968 BASIC_WELLS now stores well height datum - Santos only

31842 Renamed "Sand summary" to "Reservoir summary" - Santos only

31868 Reservoir summaries now supports System filtering - Santos only

30977 Reservoir Summary dialog now displays the Lithology of a Reservoir - Santos only

Configuration

26147 custom_install.vbs upgrades SQLite primary databases on 64-bit Windows

Connections, import and export

33258 Error messages improved when connecting ODBC data sources

33211 Larger 3D seismic surfaces are now supported from Petrel 64-bit

33461 More diagnostics added when gridding SeisWorks 2D horizons

33092 OpenWorks well header panel improvement

33458 Petrel 2011.2 support validated

dbMap

33111 Admin/Reports/XSL Manager - Width of Load XSL file screen improved

Help

33048 General/Text Files moved to General/Text File Browser

32834 Import/Landmark/SeisWorks-Direct topics combined

32833 Import/SeisX/3.1 help topics combined into a single help topic

33047 Redundant section General/Files removed from help

Paradigm-EPOS plugin

28262 Added better support for multiple Paradigm PNS servers

Surface Modeling/Volumetrics

33447 Contour based volumetrics methods have been reinstated

Bug Fixes

Petrosys release 17_2_1 [26 entries]

Client specific

32205 Changing confidence level in sand summaries no longer affects windows order - Santos only

33498 Create new well screen displayed error message when first opened - Origin Energy only

33264 Fixed alignment in Prospects & Leads resource computation screens - Santos only

33562 Operator field on Culture asset ancillary data screen no longer attempts lookup - Origin only

Connections, import and export

33465 Gridding SeisWorks 2D horizon data now proceeds if reading coordinates fails for one line

24989 Now able to read interpretation data for SeisWare Horizons with special characters in their name

33146 SMT seismic line edit list - Select by Wildcard option now works

dbMap

33303 Image viewer in dbMap core screen works without MX:11 error

33405 Line status lookup on Asset Item ancillary data screen now works

General

33555 Custom paper sizes now output correctly for HP design jet printers

33288 File geodatabase feature classes created in Petrosys are able to be deleted using ArcMap

32837 File geodatabase projected feature classes are visible at all scales when displayed in ArcMap

32917 Improved print quality detection for windows printing

Import and Export

32912 Correct unit conversions applied when exporting point culture to Petrel

33449 Wells Import Wizard - Formation tops wildcard column now remembers selections after screen is closed

32065 Wells Import Wizard summary dialog now correctly reports statistics when importing to WDF

33268 XY unit conversions to non-metre CRS handled correctly during export to Petrel

Mapping

33271 Verifying contents in the Mapping File/Open option no longer crashes for large dbm files

Mapping/Images

32284 Georeferencing revert to original image now works correctly

Project Selector

33246 Add Tag button can now add a tag in all cases

32778 Correct slash direction when current project added to project list

33479 No longer crashes when deleting then adding a user

33296 Project Location updated when Parent Directory changed via file browser

Surface Modeling/Grid Operations

33588 Adding clipping polygons to grid files occasionally used to crash

33085 Fixed Surface Modelling/Grid/Merge/Regrid panel

Surface Modeling/Gridding

33460 Line selection file now works with SeisWorks when creating grids

Detailed Release Notes

Petrosys release 17_2_1 [46 entries]

Client specific Enhancements

Added "Contingent" to the Status combo box on the Drilling Opportunities dialog - Santos only 33622

Contingent is now a selectable status when displaying drilling opportunities.

Added security to restrict editing of Reservoir Summaries & Formation Tops - Santos only 31867

A new feature has been added under Admin/Database/Security called Well source. This dialog controls the list of users that have permission to edit Reservoir Summary and Formation Tops based on their Source. The list of users can either be a named list to give access to individuals or be for all users (by using the available checkbox option). If a user does not have access to edit information when in either the Reservoir Summary or Formation Tops dialogs then the appropriate Edit buttons will be made inactive.

Added the ability to copy Reservoir picks between Fields - Santos only 31869

It is now possible to copy Reservoir picks between Fields using the Copy button now located on the Fields dialog, which is part of the Admin/Reference Tables/Wells/Field Complex and Field... dialogs.

BASIC_WELLS now stores well height datum - Santos only 30968

Well height datum is now stored as part of the well header and can be viewed and edited through the Basic Well header dialog.

Renamed "Sand summary" to "Reservoir summary" - Santos only 31842

The use of "Sand" and "Sand summary" has been changed to "Reservoir" and "Reservoir summary".

Reservoir summaries now supports System filtering - Santos only 31868

Reservoir summaries can now be filtered based on Formation System, similarly to what is already part of the Formation tops dialog.

Reservoir Summary dialog now displays the Lithology of a Reservoir - Santos only 30977

The Reservoir Summary dialog has been updated to show the Lithology of reservoirs. The list of reservoir can be filtered based on the choosen Lithology as part of the dialog. This selection will also filter down into the Reservoir History and Reservoir editing dialogs.

Client specific Bug Fixes

Changing confidence level in sand summaries no longer affects windows order - Santos only 32205

Petrosys now remains as the top window when changing the confidence level in sand summaries. Previously it was possible for the window behind Petrosys to move in front of Petrosys when changing confidence level. This problem only affected Petrosys on Windows.

Create new well screen displayed error message when first opened - Origin Energy only 33498

The create new well screen was displaying an error message when first opened. This only occurred on the Origin Energy version of the screen.

Fixed alignment in Prospects & Leads resource computation screens - Santos only 33264

Fixed fields alignment in Prospect & Leads resource computation screens.

Operator field on Culture asset ancillary data screen no longer attempts lookup - Origin only 33562

The Operator field on the Asset Item culture ancillary data screen is now a free text entry field instead of a lookup button. This now matches the well header screen where Operator is a free text entry field. This change affects client Origin only.

Configuration Enhancements

custom_install.vbs upgrades SQLite primary databases on 64-bit Windows 26147

The custom_install.vbs script that is available to assist with rolling out Petrosys across a Windows network has been enhanced so it will upgrade SQLite primary databases (if required and possible) on Windows 64-bit systems. Previously the SQLite database upgrade would only occur on Windows 32-bit systems.

Connections, import and export Enhancements

Error messages improved when connecting ODBC data sources
33258

When connecting to ODBC data sources such as SMT, ODM, SeisWare and GeoGraphix, there is now a single more informative error message if there is a problem connecting, and it also no longer brings up the Windows ODBC data source connection screen.

In addition to this, if the connection error is for an SMT Auto SQL Server database, there is now an extra note to make sure the project is first opened in SMT Kingdom, before connecting using Petrosys.

Larger 3D seismic surfaces are now supported from Petrel 64-bit
33211

The size of 3D seismic surfaces able to be read from Petrel 64-bit has been doubled. In house testing has shown an increase in the size able to be read from 80,000,000 nodes to 160,000,000.

The size supported in Petrel 32-bit has not changed.

More diagnostics added when gridding SeisWorks 2D horizons
33461

Some extra diagnostics have been added to the log when directly gridding 2D seismic horizon data from SeisWorks to help analyse problems with data.

The progress note is now also updated while it is reading the horizon data from SeisWorks, and it can be used to cancel the process. Previously the progress note stopped updating after reading the 2D line coordinates.

OpenWorks well header panel improvement
33092

The OpenWorks well header dialog (Mapping/Lists/Wells/OpenWorks/Edit/Well header) has been updated to use tabs, so that the overall size is now smaller, and it can show more well header information from the database.

The Geographic CRS and units for depth fields have also been fixed to display the correct values. Previously these fields were blank.

Petrel 2011.2 support validated
33458

Petrosys connectivity to Schlumberger's Petrel now supports direct interaction with version Petrel 2011.2, 32-bit and 64-bit. Petrosys also supports Petrel 2011.2 with all previous versions of Petrosys that supported Petrel 2011.1

The functionality of this integration includes the ability to:

- Import Model grid horizons and 3D seismic interpretation horizons to Petrosys grid file
- Import faults from Model grids to Petrosys fault file
- Import 2D and 3D seismic navigation and horizon interpretation data to Petrosys SDF
- Directly map Model grid horizons, Input surface grids and 3D seismic interpretation horizons
- Directly contour Model grid horizon data and Input surface grids
- Directly grid 2D and 3D seismic horizon interpretation data
- Directly display, grid and import wells
- Directly display 2D seismic navigation and horizon interpretation
- Directly display 3D seismic bin grids
- Directly display, grid and import polygon and point data
- Export Petrosys and other third party grids to Petrel
- Export Petrosys and other third party spatial data to Petrel

Petrosys continues to maintain support for connections to Petrel 2008.1, 2009.1, 2009.2, 2010.1, 2010.2, 2011.1.

Connections, import and export Bug Fixes

Gridding SeisWorks 2D horizon data now proceeds if reading coordinates fails for one line
33465

When gridding 2D seismic horizon data from SeisWorks if there was a problem reading coordinates one or more of the lines it now continues to process horizon data for the lines that were read successfully. Previously it did not process horizon data for any lines, causing the task to fail with no points found in the area of interest.

Now able to read interpretation data for SeisWare Horizons with special characters in their name
24989

Petrosys previously was unable to read SeisWare horizons that included the following characters in their name * \ | : " < > ? /.

SMT seismic line edit list - Select by Wildcard option now works
33146

The Select by Wildcard option in Lists/Seismic lines/SMT now works.

dbMap Enhancements

Admin/Reports/XSL Manager - Width of Load XSL file screen improved

33111

On the Admin/Reports/XSL Manager - Load XSL file option the sizing of the screen has been improved and it now has a better title.

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dbMap Bug Fixes

Image viewer in dbMap core screen works without MX:11 error

33303

The image viewer program linked to the Lists/Wells/dbMap/Well Header/Cores/Image view button now works without giving a spurious MX:11 error.

Line status lookup on Asset Item ancillary data screen now works

33405

Line status lookup buttons on the Asset Item ancillary data screen and Add/Items/Using form/Ancillary data... screens now work.

General Bug Fixes

Custom paper sizes now output correctly for HP design jet printers

33555

On windows selecting a custom paper size would always output as A4 when printing with HP design jet printers. This has now been fixed to print to the correct paper size.

File geodatabase feature classes created in Petrosys are able to be deleted using ArcMap

33288

In previous releases, file geodatabases feature classes were created by Petrosys in such a way that the feature classes could not be properly deleted when using ArcMap. Accessing a file geodatabase with a deleted feature class in Petrosys would incorrectly show the deleted feature classes. ArcMap did not have this problem and the incorrectly deleted feature classes were not displayed.

File geodatabase projected feature classes are visible at all scales when displayed in ArcMap

32837

Previously, file geodatabase feature classes created using Petrosys based on projected CRSs were only visible beyond certain zoom levels. Feature classes based on Geographic CRSs did not suffer from this problem.

Improved print quality detection for windows printing

32917

When printing under Windows and selecting a print quality, these values were some times detected incorrectly. This has now been resolved.

Help — Enhancements

General/Text Files moved to General/Text File Browser 33048

The General/Text Files/ section of the help has been replaced with General/Text File Browser. This topic outlines the use of the text file browser, available using the /File/Browse.. option in a number of Petrosys applications (the Seismic (SDF) Manager, for example).

Legacy information from the Text Files section regarding Dos to Unix text file conversion has been moved to Project Selection and Management/Windows to Linux Legacy Project Conversion.

Import/Landmark/SeisWorks-Direct topics combined 32834

All help topics regarding importing data from SeisWorks via a direct link have been merged into a single topic. Accessing the topic using the "Help" icons in the software will now bring up the relevant section of the larger topic, rather than a single topic pertaining to the function.

The content of the topics has not been comprehensively revised.

Import/SeisX/3.1 help topics combined into a single help topic 32833

The help topics for SeisX-3.1 import have been combined into a single help topic giving a simpler flow for the user to read.

Redundant section General/Files removed from help 33047

The General/Files/ section of the help has been eliminated. Relevant information from this section has been moved to the "User Interface" topic. Obsolete information has been eliminated.

Help regarding the Text File Editor is now available from the General/Text File Editor/ section.

Import and Export — Bug Fixes

Correct unit conversions applied when exporting point culture to Petrel 32912

Spatial data translator now handles unit conversion correctly when exporting data to Petrel. In previous version, the Z values were multiplied by 1000.

Wells Import Wizard - Formation tops wildcard column now remembers selections after screen is closed 33449

The wildcard selection dialog on the Zone/Formation step of the Wells Import Wizard now correctly remembers a users selection for the next time the dialog is opened.

Wells Import Wizard summary dialog now correctly reports statistics when importing to WDF 32065

When using the Wells Import Wizard to import well data to a WDF, the summary dialog will now correctly report the number of wells that were processed along with the number that were added and/or updated. This is also true for the statistics related to zone and/or formation data imported to the WDF.

XY unit conversions to non-metre CRS handled correctly during export to Petrel 33268

Spatial data translator now handles unit conversion correctly when exporting data to Petrel. In previous version, the coordinates might be incorrect if the Petrel project CRS has non-metre unit.

Mapping — Bug Fixes

Verifying contents in the Mapping File/Open option no longer crashes for large dbm files 33271

In previous 17 versions of Petrosys, the verify contents button in the File/Open Mapping dialog could cause a crash when used with dbm files containing a large number of layers.

Mapping/Images — Bug Fixes

Georeferencing revert to original image now works correctly 32284

A bug in the revert function when georeferencing an image has been fixed. Previously, the revert function did not revert to the original GCPs before georeferencing was applied.

Paradigm-EPOS plugin — Enhancements

Added better support for multiple Paradigm PNS servers 28262

A user will now be prompted with a list of Paradigm-EPOS PNS servers they wish to see projects for. This will only happen when there are 2 or more Paradigm-EPOS entries in the connections.xml file.

Project Selector — Bug Fixes

Add Tag button can now add a tag in all cases 33246

Previously, if there was already a tag with the name 'New Tag', the Add function would not allow the user to create a new tag. Now a new tag will always be created with a number appended to the default 'New Tag' text.

Correct slash direction when current project added to project list 32778

Fixed projects being added to project selector on Windows being added with incorrect directory separators. Previously it was possible for the incorrect slash (forward-slash rather than back-slash) to be used, which could result in unnecessary duplication of projects in the project list.

No longer crashes when deleting then adding a user 33479

Fixed a crash resulting when deleting a user then adding a user in the project selector administration dialog.

Project Location updated when Parent Directory changed via file browser 33296

Project Location is now updated correctly when Parent Directory is changed via file browser in the project selector New Project and Copy Project dialogs.

Surface Modeling/Grid Operations — Bug Fixes

Adding clipping polygons to grid files occasionally used to crash 33588

Adding clipping polygons to a grid file already containing other clipping polygons would occasionally crash. This has now been fixed.

Fixed Surface Modelling/Grid/Merge/Regrid panel 33085

Clipping now remembers its status when raising the Grid/Merge/Regrid dialog.

Surface Modeling/Gridding — Bug Fixes

Line selection file now works with SeisWorks when creating grids 33460

Line selection file now works with SeisWorks in Grid/Create Grid. Previously the line selection file was ignored, causing more data than required to be passed to the gridding operation.

Surface Modeling/Volumetrics Enhancements

Contour based volumetrics methods have been reinstated 33447

The contour based volumetrics methods which were removed in 17.0 have been reinstated.

Enhancements

Petrosys release 17_2 [7 entries]

3D Viewer

27971 Option added for higher resolution map file display

Configuration

33072 Custom install script removes duplicate entries from license server registry key

Connections, import and export

32244 Petrosys Exchange - Read 3D seismic horizons and Fault picks from Paradigm EPOS and write to SeisWorks R2003.12

General - User interface

32967 Improved sorting of columns with dates in scrolled lists

Help

33091 Online Help Revisions

Mapping

33025 Exporting 3D interpretation to spatial formats allows Z-values to be included

Surface Modeling

32922 Petrel Grid Export - Transfer as much Petrosys metadata as possible to Petrel

Bug Fixes

Petrosys release 17_2 [10 entries]

Client specific

32326 Display/Drilling Opportunities no longer requires a connection reselection when modifying the layer

33080 Fixed BP specific Finder AOI well header filter query

dbMap

33078 Titles - Fixed crash on joint venture panel

dbMap - User interface

32211 Display/Wells - Fixed incorrect label on Well Symbol tab for Petra connection

General - User interface

32683 Improved behaviour of tree widget

Mapping

33159 Exporting spatial to Petrel from Mapping allows Z-values to be included

32895 Using the Apply button on a 2D mapping layer dialog always redraws the map

Mapping/Spatial

32998 Display/GIS allows annotation with dbMap Culture decimal attributes

Project Selector

33104 Project Selector - New - Partial folder names are no longer created, performance has been improved

Seismic data

32859 Improved performance of SDF Editor on large SDF files

Detailed Release Notes

Petrosys release 17_2 [17 entries]

3D Viewer — Enhancements

Option added for higher resolution map file display 27971

The option /Display/Map File (.dbm) can now draw in a higher "Ultra" resolution for better quality images when outputting to high-res raster files via /Scene/Save to Raster...

Client specific — Bug Fixes

Display/Drilling Opportunities no longer requires a connection reselection when modifying the layer 32326

A bug has been fixed whereby upon editing an existing Drilling Opportunities mapping layer the dialog was requiring a reselection of the database connection.

Fixed BP specific Finder AOI well header filter query 33080

The SQL query used to filter well headers from Finder based on an AOI has had the 'where' clause updated to correctly select well header records.

Configuration — Enhancements

Custom install script removes duplicate entries from license server registry key 33072

Custom install script now analyses current license server registry key value and removes any duplicates.

Connections, import and export — Enhancements

Petrosys Exchange - Read 3D seismic horizons and Fault picks from Paradigm EPOS and write to SeisWorks R2003.12 32244

Version 17.2 includes the first release of the Petrosys Exchange series of tools to enable direct sharing of data between different 3rd party applications.

New functionality in this release:

- Read 3D seismic survey horizon data from Paradigm EPOS and write it to SeisWorks R2003.12 projects
- Read Fault picks (Fault sticks) from Paradigm EPOS and write them to SeisWorks R2003.12 projects.

The 3D seismic survey horizon data transfer requires that a 3D seismic survey with the same definition (inlines, xlines, rotation, spacing) as the Paradigm EPOS survey already exists in the SeisWorks project.

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dbMap — Bug Fixes

Titles - Fixed crash on joint venture panel 33078

A crash when accessing the "Joint Venture" panel in the /Lists/Titles screen has been fixed. The crash would occur only on the selection of certain joint venture items in the list.

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dbMap - User interface — Bug Fixes

Display/Wells - Fixed incorrect label on Well Symbol tab for Petra connection 32211

The Wells Symbols tab for a Petra connection incorrectly labelled the formation selection button as Zone. This has now been fixed and is correctly labelled as Formation.

General - User interface Enhancements

Improved sorting of columns with dates in scrolled lists 32967

Scrolled lists now sort dates correctly, including custom formats.

General - User interface Bug Fixes

Improved behaviour of tree widget 32683

Improved user interface experience of tree widget in Mapping/Display/Map Elements/Legend. The options to move items up and down now retain the current selection which makes the moving operation more streamlined when moving multiple times.

Help Enhancements

Online Help Revisions 33091

Revisions have been made to the online help - old screenshots have been replaced, obsolete information has been revised or eliminated, multiple topics have been rewritten and various chapters have been updated to make the index easier to navigate. The Getting Started Guide has been reviewed based on feedback.

All new features added in versions 17.1 and 17.2 have been documented in the appropriate sections of the help.

Mapping — Enhancements

Exporting 3D interpretation to spatial formats allows Z-values to be included
33025

The Display/Grid/Values and Display/3D Seismic Surface/Values options both allow Z-values to be optionally included when the RMB/Export spatial data option is used.

Mapping — Bug Fixes

Exporting spatial to Petrel from Mapping allows Z-values to be included
33159

When data is exported from a 2D mapping display layer to Petrel using the RMB/Export spatial data option, Z-values are now able to be included (assuming the map layer contains Z-values).

Using the Apply button on a 2D mapping layer dialog always redraws the map
32895

This behaviour is now equivalent to version 16 and earlier of Petrosys. In previous 17 versions, a redraw would only occur after pressing Apply if automatic redraw was enabled.

Mapping/Spatial — Bug Fixes

Display/GIS allows annotation with dbMap Culture decimal attributes
32998

Display/GIS now handles dbMap Culture floating point attribute correctly. In previous versions decimal attributes were not available as annotations.

Project Selector — Bug Fixes

Project Selector - New - Partial folder names are no longer created, performance has been improved
33104

The "New Project" dialog will now not create partial folders when typing into the "Parent Directory" field. This could have happened when very restrictive permissions were enabled on the folder or its parent. Additionally the performance of typing into this field has been improved so that there is no delay between typing each character.

Seismic data — Bug Fixes

Improved performance of SDF Editor on large SDF files
32859

Large SDF files get instantly into SDF Editor's list upon selection now.

Petrel Grid Export - Transfer as much Petrosys metadata as possible to Petrel

32922

Export of Petrosys grid to Petrel now includes Petrosys grids metadata. The metadata are stored under the Info/Comment tab in Petrel.