



Software Release Notes

dbMap/Web Version 2024.1

dbMap®

PLDB™

1 2024.1 Overview

dbMap/Web 2024.1 adds functionality to automatically recalculate directional survey offsets, TVDs & locations; Well bottom hole locations & TD TVDs; and Formation TVDs, when performing certain actions within the application or while loading directional survey data.

Production charts have been enhanced with new charting options and additional data series available on the chart. New options have also been added to chart data for a selection of Basins, Fields or Well zones.

Finally, a new perforation diagram option has been added to display the perforated, isolated and stimulated state of a well over time.

2 Automated recalculation of Depths and Well Locations

Options to automatically recalculate directional survey point offsets, TVDs & locations; well bottom hole location & TD TVD; and Formation TVDs have been added to dbMap/Web. There are several ways to make use of the new functionality:

- Values can be bulk recomputed for a selection of wells from the Wells list.
- Option on the Well header panel to recompute values for the current well.
- Users are automatically prompted to optionally synchronize values after editing relevant values on the Well Header, Directional Survey Header, and Directional Survey Points screens.
- Option to recompute values for the current survey on the Directional Survey Points list.
- Option to recompute values when loading data via the Directional Survey data loader.

Compute TVDs / BH ✕

Please select which of the following values you would like to bulk compute for the currently selected wells:

- Directional survey offsets/TVDs
- Bottom hole locations
- Well TD TVDs
- Formation TVDs

Trial run 27 Wells selected

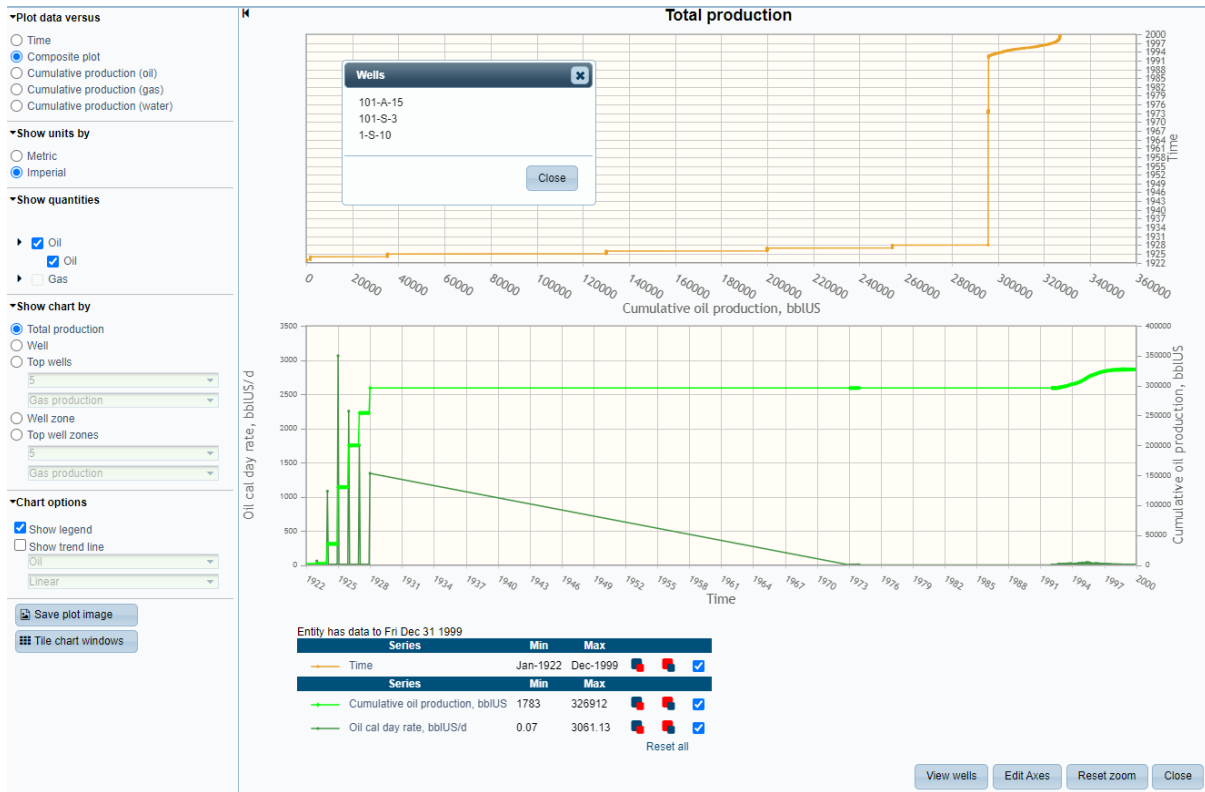
Recompute Cancel

3 Production Chart Enhancements

The single and multi-well production plots have been extended with additional options. There are also new screens and plots to show production for a selection of Basins, Fields, or Well Zones.

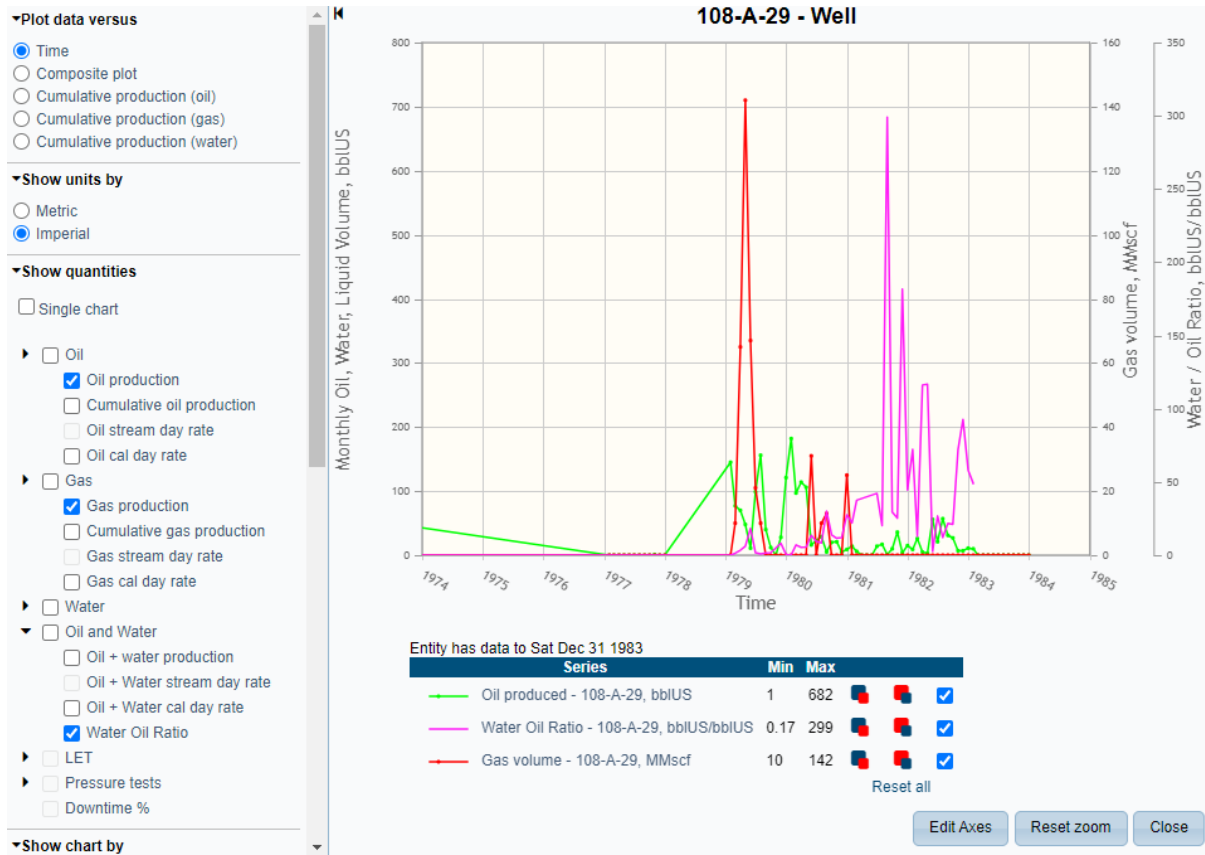
Multi Well Production Chart Enhancements

- Option to display a composite plot.
- Options to plot data versus oil, gas, or water production



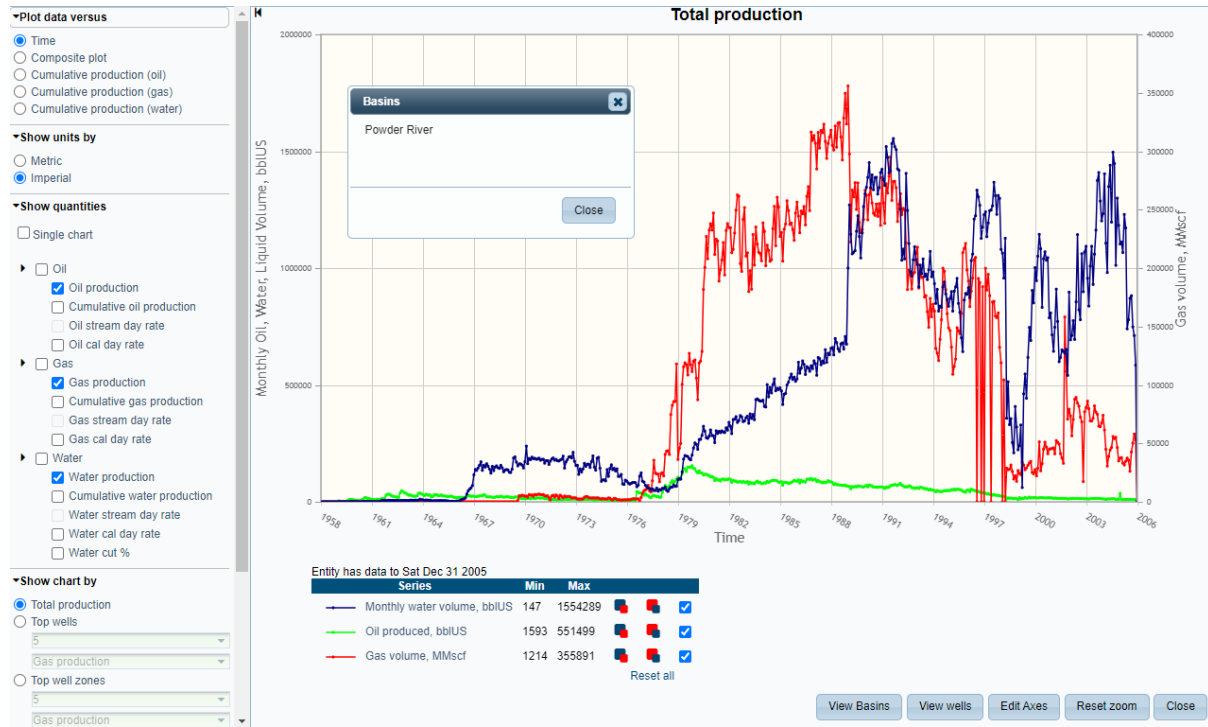
Single Well Production Chart Enhancements

- Option to plot data versus water production.
- New data series plotting Water Oil ratio.



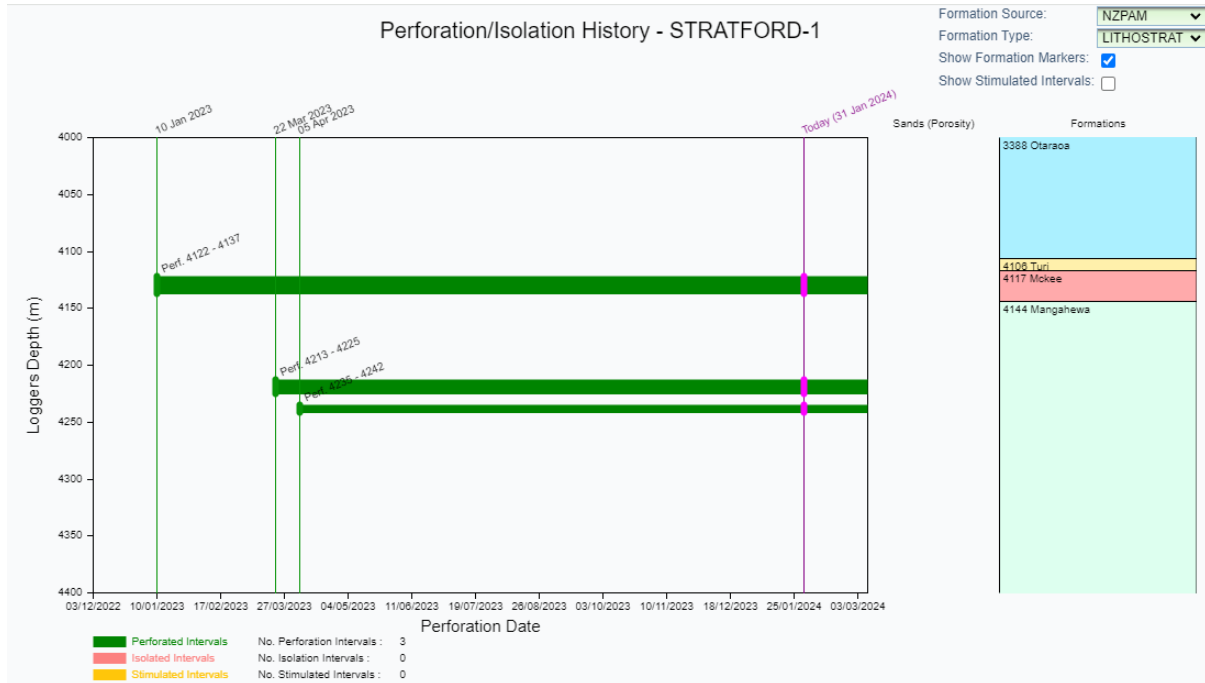
Production by Basin, Field, or Well Zone

Under the Wells main menu item, a new 'Production by' option has been introduced to allow production plots to be generated based on a selection of Basins, Fields, or Well Zones.



4 Perforation Diagram

A new perforation diagram option, showing the state of the well over time, has been added to the “Wells / Perforations” list. The diagram shows perforated, isolated, and stimulated intervals and supports zooming to a specific depth / date range.



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Detailed Release Notes

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dbMap/Web 2024.1 licensing - New license file required 83969

To use dbMap/Web 2024.1, a new license file is required. Acquire your license file by logging in to the Petrosys Client Portal or reaching out to Petrosys Support.

[dbMap/Web - Administration](#) [Enhancements](#)

GeoServer upgraded in dbMap/Web 2024.1 82800

A new version of GeoServer is being deployed alongside the 2024.1 release of dbMap/Web. See the installation guide for details on deploying.

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Well symbol added for symbol number 314 (Origin) 83811

The new well symbol 314 has been added for Origin, which is now visible on the well header and map.

Adjusted number of rows we fetch from the database (Parex only) 83719

We have changed the number of rows we fetch from the database at a time to 300 for Parex.

Reservoir Summaries Data Type added to the Acquisition tab (Santos only)

83520

Reservoir Summaries data type has been added to the Acquisition tab on the well header.

Default unit mode set to imperial (Parex only) 83785

For Parex, the default unit mode has been changed to imperial.

[dbMap/Web - Client](#)

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Well header loader now supports loading the well origin (GCS only) 83764

Well Origin can now be loaded for Well headers using the well headers spreadsheet data loader. This was an issue that only affected client GCS.

Well Samples - Derive logger depths and Metric/Imperial buttons now work (Santos only) 83835

For Santos the Derive logger depths and Metric/Imperial buttons on the Well Sample dialog were not working. This has been fixed.

Mapping - Error adding Seismic Surveys to the map (Inpex only)

83760

Adding 3D seismic surveys to the map would result in an error for Inpex. This has been fixed and Surveys can be successfully added to the map.

Well origin fields have been added to the well header data loading template (Santos)

83725

Well origin fields (UWI, Name, Num) were missing from the Santos well header data loading template and are now available.

Wells / Tests / Period screen has been reinstated (Origin only)

83722

The Well / Test / Period screen has been reinstated after previously being removed.

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Automated recalculation of values - Directional survey screens

83702

When changes to the Preferred flag, Azimuth, compute method, correction, E/W direction, or CRS of the Directional Survey is changed, a new prompt will show to allow users to recompute Directional survey offsets/TVDs, Formation TVDs, Reservoir summary TVDs and BH TVD & Latitude/Longitude.

When changes to the MD, TVD, inclination, azimuth, x offset, easting, y offset, northing, E/W direction, or N/S direction of the Directional Survey point is changed, a new prompt will show to allow users to recompute Directional survey offsets/TVDs, Formation TVDs, Reservoir summary TVDs and BH TVD & Latitude/Longitude.

A 'Compute TVDs/BH' button has been added to the Directional survey points panel to manually open the prompt.

Well list has new bulk compute functionality for TVDs, survey offsets and bottom hole locations

83698

The well list has a new option 'Compute TVDs / BH' which allows the following to be recomputed for all selected wells:

- Directional survey offsets / TVDs
- Bottom hole locations
- Well TD TVDs
- Formation TVDs

It also supports performing a trial run and generating a report of the data before and after the recalculation.

For client Santos there is also an option to recompute Reservoir summary TVDs.

Automated recalculation of values - Well header screen

83701

When the total depth, elevation, CRS, location, or active survey of a Well is changed, a screen will be displayed to allow users to recompute Bottom Hole TVD and location.

A 'Compute TVDs/BH' button has also been added to the Wells panel to manually open the recompute screen.

Directional survey loader extended to support automated computing of some values

83703

The dbMap/Web directional survey data loader has been extended to optionally allow computing of various values after loading survey data. The new functionality includes:

- Compute Directional survey offsets and TVDs along with the spatial representation of well paths
- Compute bottom hole locations
- Compute Total Depth TVDs for the well header
- Compute Formation top TVDs
- Compute Reservoir Summary TVDs (This option available for client Santos)

The options are available as checkboxes on the directional survey import screen.

Directional survey loader spreadsheet template now includes example of using new projected CRS 83168

The Well Directional survey loader template spreadsheet now includes sample data for loading a survey with a projected CRS instead of the Correction to true north value

CQ - Directional Survey - Correction to true north rule now passes if projected CRS is specified 83339

The CQ rule "Directional survey should have Correction to true north populated when Azimuth north type is not True north." has been changed so that it now passes if the survey projected CRS is specified for a Grid north survey.

Perforation Diagram showing depths vs dates is now available 83542

A new perforation diagram showing the state of the well over time has been added to the "Wells / Perforations" list. The diagram shows perforated, isolated, and stimulated intervals and supports zooming to a specific depth / date range.

Well log viewer: Added control over index/depth graticules 83565

Added support to hide or change the display style of index/depth graticules for each track in the Well Log Viewer.

Well log viewer: Added option to reverse FMI gradient 83252

The gradient chosen for FMI logs can now be reversed directly in the FMI display style panel without swapping the FMI value range.

dbMap/Web - General

Bug Fixes

Incorrect Easting/Northing and Adjusted X/Y offsets shown when directional survey correction to true north angle was West 83941

Fixed the Well directional survey points screen previously showing incorrect Adjusted X/Y offsets and Easting/Northing values if the survey Azimuth north type was not True north and the Correction to true north value was set with the direction "West".

Palynology user interface improvements, including better display order in lists 82655

Paleo/Paly fixes and changes

Samples

- When the sample type is changed so that Drillers depths are no longer relevant, the Drillers depth values are now cleared from the database.
- The list sorting is now consistent with the displayed values, previously the list could show an inherited depth but didn't use it for sorting.

Interpretations

- The list now inherits depths from the Sample/core if no depths are set against the Interpretation. These values are inherited in pairs, e.g. if the Sample has a base depth but no top depth, the Interpretation would inherit both from the Sample and have no top depth, even if the Core as a top depth.

Error on Well Sample screen when deriving loggers depths with no base depth has been fixed 83837

On the Well Sample screen, if you did not have a base depth populated, pressed the 'Derive logger depths' button and then pressed Save without changing the depth values, it would result in an error. This has been fixed.

dbMap PPDM3.8 - XREF_TYPE is not populated for new MPLT well tests

80834

An issue with the MPLT data loader has been fixed, when importing new MPLT flowing or shut-in intervals, the XREF_TYPE will now be set accordingly.

Support facilities other than rigs and pads can now be assigned to a well

80232

The Wells screen now has a Support Facilities screen, which shows Support Facilities types other than Rigs and Pads. Rigs and Pads already have dedicated screens.

Records Management - Trailing '/' no longer added to Web URLs

83182

When creating or editing Records Management items which are web links, it no longer appends a '/' character to the end of the URL. This previously caused clicking on the link to fail.

Mapping - Issue where GIS layer could become 'stuck' and not able to be removed from the map has been fixed

83291

Through a series of steps, it was possible for a GIS map layer to become 'stuck' on the map without it being able to be removed unless you selected "Restore Options" on the map. This has been fixed.

Formation tops loader - Prevent matching formations without formation type when column is populated

81038

The Formation Tops Loader will now only ignore formation type when matching the formation if the formation type is blank in the input.

Test group added to Well test type reference screen

81146

The Test group field has been added to the Well Test Type reference screen, which is used to define which test types are available on the well RFT, DST, Pressure tests, etc screens. Test types that have a null test group appear on the Other tests screen.

Note that changing the existing test group is not recommended if there is existing well test data for that test type. Please consult Petrosys support if you want to make a change like this.

Mapping - Map images can now be saved

83807

The 'Save Map Image' button on the web map was not saving images in some cases if the image would have exceeded a certain size. This has now been fixed and images will now be successfully saved.

Incorrect user interface was shown when creating a new field via a lookup

80538

The correct user interface is now shown when adding a Field from a lookup.

Old Well test data for RFT and other types are now visible in dbMap/Web

83707

Some clients who had old well test data with the types like RFT, FIT and SGS were not able to see this data on any of the dbMap/Web Well test screens. This has been fixed so that they are now visible on the Other tests screen.

Records Management Wizard - Land right type is now visible in the selection lists

83268

On the Records Management cataloguing wizard, the Granted right type of the permit is now displayed when selecting Permits to link to an RM item.

Some child screens were still shown after parent record was deleted

79392

Child screens are now closed when deleting the parent record.

The list of data selection queries now correctly includes queries that use database PS_ functions

83572

The list of data selection queries shown in dbMap/Web was incorrectly excluding some queries that referenced database functions beginning with 'ps_'. This has been fixed so those queries are now available.

Well Directional survey points panel now shows east/west and north/south direction for x/y offsets

83743

In addition to directional survey points storing X & Y offset values, they can also store the direction of the offset. The direction is now visible and editable on the survey points data screen.

Well Test Loader - Incorrect validation rules were preventing data being loaded

81456

Fixed an issue where the Well Test Loader validation didn't consider some columns when determining whether or not to skip the row.

Wells Advanced Search - It is now possible to search for Frac data filtering by Proppant used

83564

Previously when using the Wells Advanced Search option to search for wells with Frac data and filtering by Proppant used it would result in an error message. This has been fixed.

dbMap/Web - PLDB

Bug Fixes

PLDB - Error when editing drilling opportunities resolved 83796

When trying to save changes to a PLDB Drilling opportunity, it no longer gives an error about not being able to update PPDM_GUID to NULL.