PETROSYS

Software Release Notes
dbMap/Web Version 2024.2.1

1   2024.2 Overview

dbMap/Web 2024.2 adds support for Single Sign On to allow users to securely log in without providing a username and password. Records Management has also been enhanced, introducing a preview option for shapefiles and Check-in / Checkout functionality for physical assets.

2   Single Sign On

Single Sign On (SSO) provides the ability for users to securely log into dbMap/Web without having to specify their username and password, as well as easier management of user accounts for IT administrators. dbMap/Web now supports Single Sign On for sites who have On-Premises Active Directory installations.

Related to the Single Sign On support there is now a new login screen for users that are not using Single Sign On:
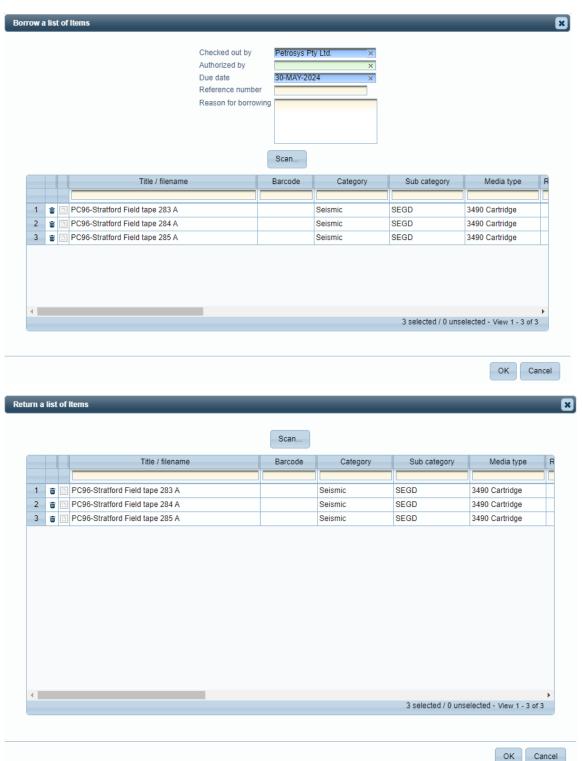

A series of IT configuration steps are needed to setup SSO including Active Directory configuration and changes to user accounts in the database to link them to Active Directory.

Petrosys PRO does not currently support Single Sign On user accounts, but it is actively being worked on. Once SSO is also supported in PRO we will share more information on configuration.
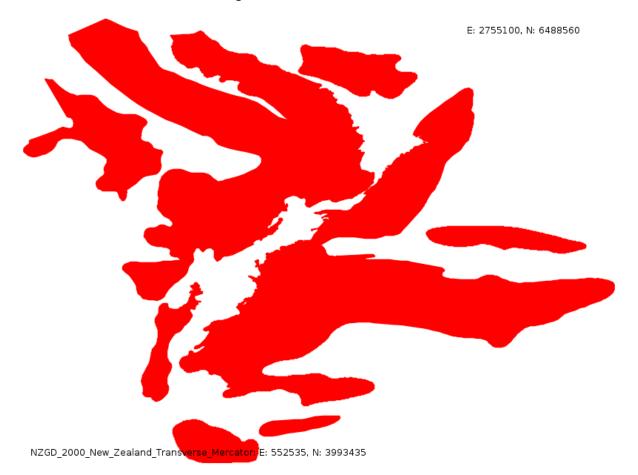
3   Records Management – Check-in & Checkout

New 'Borrow' and 'Return' buttons have been added to Records Management, allowing users to Checkout and Check-In physical items. Simple barcode scanning is also supported when selecting items to Check-in / Checkout. Advanced search filter options have been added to search for items by due date, circulation status, and who has borrowed the item.

Borrow a list of Items

	Checked out by	Petrosys Pty Ltd.	✕
	Authorized by		✕
	Due date	30-MAY-2024	✕
	Reference number		
	Reason for borrowing		

Scan...

			Title / filename	Barcode	Category	Sub category	Media type	R
1	🗑		PC96-Stratford Field tape 283 A		Seismic	SEGD	3490 Cartridge	
2	🗑		PC96-Stratford Field tape 284 A		Seismic	SEGD	3490 Cartridge	
3	🗑		PC96-Stratford Field tape 285 A		Seismic	SEGD	3490 Cartridge	

3 selected / 0 unselected - View 1 - 3 of 3

OK   Cancel

Return a list of Items

Scan...

			Title / filename	Barcode	Category	Sub category	Media type	R
1	🗑		PC96-Stratford Field tape 283 A		Seismic	SEGD	3490 Cartridge	
2	🗑		PC96-Stratford Field tape 284 A		Seismic	SEGD	3490 Cartridge	
3	🗑		PC96-Stratford Field tape 285 A		Seismic	SEGD	3490 Cartridge	

3 selected / 0 unselected - View 1 - 3 of 3

OK   Cancel

4   Records Management – Shapefile Preview

Shapefiles catalogued in Records Management can now be previewed without having to download and open in another application. When previewing, a basic map is displayed along with some information on the CRS and bounding box of the data.

E: 2755100, N: 6488560

NZGD_2000_New_Zealand_Transverse_Mercator: E: 552535, N: 3993435

5   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.

6   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.
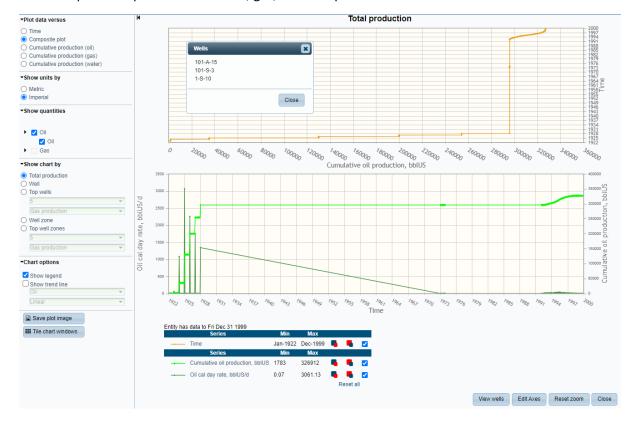- Option to recompute values when loading data via the Directional Survey data loader.

7   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.
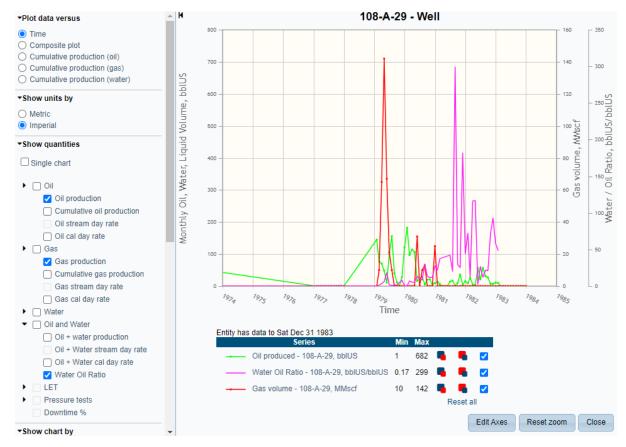
Multi Well Production Chart Enhancements

- 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.

8   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.

Detailed Release Notes Summary dbMap/Web 2024.2.1

Bug Fixes

dbMap/Web - General

84359   Mapping - Fixed issue reading GeoServer configuration

Petrosys Release dbMap/Web 2024.2.1
Detailed Release Notes

dbMap/Web - General   Bug Fixes

Mapping - Fixed issue reading GeoServer configuration   84359

Fixed a bug preventing the GeoServer configuration being read causing no data to be shown on the map.

Detailed Release Notes Summary dbMap/Web 2024.2
Enhancements

dbMap/Web - Administration

84245   CQ Cron - Enhancements for processing rows with quality out of sync

dbMap/Web - Client

84088   Added "Other Projections" button to well header (Parex only)
84125   Directional Survey Loader - Updated default loader options (Santos only)
84152   Added custom well symbols (Santos only)
84110   Checkshot Surveys - Display MD and TVD SRD in feet (Medco only)
84124   Mapping - Added OZ SEEBASE 2021 layers (Inpex only)

dbMap/Web - General

31607   Added support for Single Sign On
84006   Production Chart - Data report added to production charts showing data for multiple wells
84005   Generic chart button removed from Perforations
84008   Production Chart - Series selection in production chart is now honoured when adding more series
84062   Added Production chart Top 5 Wells / Well Zones options to rank by total production
84171   Production Chart Report Frac section relabeled to Fracture Stimulations
84070   Reset zoom option added to Perforation Diagram
84037   Perforation Diagram - Added Metric/Imperial button to toggle units
84041   Production Charts - Added an option to view top wells and well zones by water production
84237   Wells / Rig - Optional columns added to the grid
84249   Production Charts with multiple wells now have a message indicating how the wells were selected
84130   Compute TVDs / BH - Computation will not fail if directional survey points do not exist
84113   Well Header - Increased decimal places for DMS coordinates when editing
84032   PPDM Rules reference screen - Source, Purpose and Use condition description added as columns to the list
83983   Directional Survey Autosync - Added directional survey compute option if the well surface location is changed
84132   Additional data screens supported when using the PPDM 3.9 data model
84142   Attachments option added to the Other Well Tests screen
84014   Circulation details are shown on the Records Management panel
84068   Production by Field/Basin charts now have a View Well Zones list option
84066   Production Chart Report - Added activity remark to the activities grid
84015   Records Management - Added functionality to allow physical items to be borrowed and returned
84024   Records Management - Retention period has been added to category and sub-category reference screens
84061   Records Management now supports previewing Shapefiles
84203   Reference screen added for the R_WELL_CHEMICAL_ALIAS table
84025   Retention period is now shown read-only on the Records Management header screen
84339   Mapping - RM Catalog and Production options available when selecting a Well Production map feature

Detailed Release Notes Summary dbMap/Web 2024.2

Bug Fixes

dbMap - Client

84166   CQ - Checkshots no longer missing from well rolled up result (Santos only)

dbMap/Web - Administration

83573   CQ Cron - processing all well headers no longer includes PLDB Drilling opportunities

dbMap/Web - Client

84199   Frac - Total dirty volume values now displayed correctly

dbMap/Web - General

84009   Production Charts - Series labels can be used to enable/disable series

82572   Well Header - Coordinate fields are not updated due to conversion between DMS and Decimal Degrees

84074   dbMap/Web - Wells - MAGNA-SIRGAS geographic CRS is now available for selection

84067   Production Chart Show Events section is no longer shown when plotting data versus cumulative production

84091   Production Chart Top Wells/Well Zones options are more descriptive

84039   Well Production Cumulative Chart now only shows data up to last production

84187   Well Formation Tops Data loader merge rule "Replace by source and formation type" correctly replaces existing Formation Tops

84083   Comments have been added to the Row Quality column in the Well Formation Top template

84188   Directional survey geometries not flagged as out of sync when well BH or TD TVD is computed

84250   Production chart tooltip now stays on the screen

84162   Compute TVDs / BH - Directional Survey Offset Computation failures no longer prevents subsequent computations for a vertical well

84243   Changing the depth datum or elevation now prompts for the directional survey geometries to be re-computed

84069   View Well Zones / Basins / Fields button on 'Production by' Production charts now shows correct list when when charting by Top Wells

83869   Well Header Data Loader now correctly loads data from sheets missing a units row

84053   Well log browser - Added support for file path translation to well log viewer

Petrosys Release dbMap/Web 2024.2
Detailed Release Notes

dbMap - Client   Bug Fixes

CQ - Checkshots no longer missing from well rolled up result (Santos only)
84166

For Santos only, the CQ rolled-up result for wells did not include details from checkshots. This has been fixed.

dbMap/Web - Administration   Enhancements

CQ Cron - Enhancements for processing rows with quality out of sync
84245

The CQ cron job has been improved to accurately determine and process rows with quality that are out of sync. Previously it would only pick up records that had been changed in the last 24 hours. It now uses the same method as the dbMap/Web panels, which is done using the PS_IS_RECORD_OUT_OF_SYNC database function.

In addition to this, it is now possible to configure quality rules to include checking for updates to child tables when determining if the quality is out of sync. e.g.

If you have a rule that checks for the existence of well log data, you can configure it to also check for updates to the WELL_LOG table when determining if the quality out of sync. To do this:

1. Go to Admin/Reference tables/PPDM/General reference/Rules
2. Select the appropriate rule that is referencing the child table
3. Press the Rule Detail button
4. Add a new record
5. Select the UWI column for the PPDM38.WELL_LOG table. Note that the column selected is important, as it is used to join to the well.
6. OK to save the record
7. Done! The quality out of sync check will now include checking for updates to the WELL_LOG table,

dbMap/Web - Administration   Bug Fixes

CQ Cron - processing all well headers no longer includes PLDB Drilling opportunities
83573

When running the cron job to update CQ for all wells it was incorrectly including PLDB drilling opportunities, which are also stored in the WELL table. It now only processes actual wells.

dbMap/Web - Client   Enhancements

Added "Other Projections" button to well header (Parex only)   **84088**

Added an "Other Projections" button to the well header to show the well location in related projections.

Directional Survey Loader - Updated default loader options (Santos only)

84125

The default options on the directional survey loader have been changed to:

➢ Merge rule - Replace all by well
➢ Directional surveys offsets/TVDs - Enabled
➢ Well TD TVDs - Enabled

Added custom well symbols (Santos only)

84152

Custom well symbols have been added to the Santos configuration.

Checkshot Surveys - Display MD and TVD SRD in feet (Medco only)

84110

The "MD" and "TVD SRD" checkshot survey grid columns have been changed to display in feet for Medco.

Mapping - Added OZ SEEBASE 2021 layers (Inpex only)

84124

Added OZ SEEBASE 2021 (Geognostics) WMS layers as overlays on the map. The layers are hosted by Geoscience Australia.

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dbMap/Web - Client   Bug Fixes

Frac - Total dirty volume values now displayed correctly

84199

Total dirty volume values are now correctly shown on the Well treatment Frac Design and Actual tabs. Previously some values would appear blank when they shouldn't be.

dbMap/Web - General   Enhancements

Added support for Single Sign On

31607

dbMap/Web now supports Single Sign On if clients are using On-Premises Active Directory.

Production Chart - Data report added to production charts showing data for multiple wells

84006

The "View Report Data" option has been added to production charts that show data across multiple wells (Multi-well; Basin; Field; Well Zone). The content of the report can be changed by updating the PUBLIC or creating a user specific report with the name "Summary Report: Production" for the WELL, BASIN, FIELD and WELL_ZONE data types.

Generic chart button removed from Perforations

84005

The generic chart button has been removed from the Perforations list.

Production Chart - Series selection in production chart is now honoured when adding more series

84008

The selected series in the chart legend will now keep their checked/unchecked state when adding/removing series.

Added Production chart Top 5 Wells / Well Zones options to rank by total production

84062

The Production Chart Top Wells and Top Well Zones charts now have options to rank by total gas/oil/water production.

Production Chart Report Frac section relabeled to Fracture Stimulations

84171

Production Chart Report Frac section has been relabeled to Fracture Stimulations

Reset zoom option added to Perforation Diagram 84070

A Reset Zoom button has been added to the Perforation Diagram.

Perforation Diagram - Added Metric/Imperial button to toggle units 84037

A "Metric / Imperial" button has been added to the perforation diagram to toggle the display units.

Production Charts - Added an option to view top wells and well zones by water production 84041

Added Average yearly water production, and Total water production to Top wells and Top well zones options in the Production Charts.

Wells / Rig - Optional columns added to the grid 84237

Elevation reference datum; Depth datum; Kelly bushing elevation; Rotary table elevation; Derrick floor elevation; and Other elevation, have been added to the "Wells / Rig" grid as optional columns.

Production Charts with multiple wells now have a message indicating how the wells were selected 84249

Production Charts with multiple wells (from the wells list, or Production by Basins/Fields/Well Zones), now have a message indicating where the selection comes from, above the buttons in the bottom right of the screen.

Compute TVDs / BH - Computation will not fail if directional survey points do not exist 84130

Removed an error that was causing the computations to incorrectly fail if directional survey points did not exist for a well.

Well Header - Increased decimal places for DMS coordinates when editing 84113

DMS coordinates have been increased to three decimal places when editing. This is to prevent rounding issue when converting between DMS and Decimal Degrees.

PPDM Rules reference screen - Source, Purpose and Use condition description added as columns to the list 84032

On the PPDM rules reference screen, additional columns have been added to the list to make it easier to find relevant rules.

Directional Survey Autosync - Added directional survey compute option if the well surface location is changed 83983

The "Directional survey offsets/TVDs" options has been relabeled "Directional surveys offsets, TVDs and geometries" to reflect that the geometry is also updated by this option.

When editing the well header, the user can now select the "Directional surveys offsets, TVDs and geometries" option if the wells surface location has been changed.

The "Directional surveys offsets, TVDs and geometries" option is now available when launching computations using the "Compute TVDs / BH" option on the well header.

Additional data screens supported when using the PPDM 3.9 data model 84132

Additional data screens are now supported for clients using the PPDM 3.9 data model:

- ➢ Wells / Well details / Rig
- ➢ Wells / Well details / Pad
- ➢ Wells / Well details / Support Facilities
- ➢ Wells / Well details / Business Associates

- Wells / Drilling & Completions / Horizontal Drills
- Wells / Drilling & Completions / Mud Weights
- Wells / Drilling & Completions / Activities
- Core & Analysis / Shows
- Well Tests / RFT
- Well Tests / DST
- Well Tests / Pressure Tests
- Well Tests / Gradient Surveys
- Well Tests / Sonolog
- Well Tests / LET
- Well Tests / MPLT
- Well Tests / Other tests
- Interpretive / Reservoir summaries
- Wells / Production By / Basin
- Wells / Production By / Field
- Wells / Production By / Well Zone
- Records Management / Facilities
- Facilities / Facility Areas
- Facilities / RM Catalog
- Facilities / Basins
- Admin / Data Exchange / Import / Core Analysis - Adsorption Isotherm
- Admin / Data Exchange / Import / Core Analysis - Desorption
- Admin / Data Exchange / Import / Core Analysis - Gas Composition
- Admin / Data Exchange / Import / Core Analysis - Isotope
- Admin / Data Exchange / Import / Core Analysis - Petrology
- Admin / Data Exchange / Import / Core Analysis - Proximate
- Admin / Data Exchange / Import / Core Analysis - Rock Evaluation
- Admin / Data Exchange / Import / Core Analysis - Ultimate
- Admin / Data Exchange / Import / Core Analysis - Well Samples
- Admin / Data Exchange / Import / Reservoir Summaries
- Admin / Data Exchange / Import / Well Test
- Admin / Data Exchange / Import / Well Test - Gradient Survey
- Admin / Data Exchange / Import / Well Test - MPLT
- Admin / Data Exchange / Import / Well Test - RFT

Attachments option added to the Other Well Tests screen   84142

The attachments option has been added to "Wells / Other Tests" screen.

Circulation details are shown on the Records Management panel   84014

A new 'Circulation' tab has been added to Records Management for physical items, showing the circulation information such as status, checked out by, and due date.

Production by Field/Basin charts now have a View Well Zones list option
84068

A 'Well Zones' button has been added to Production Charts from the Production by Field and Production by Basin lists, which displays a list of the Well Zones associated with the charted wells.

Production Chart Report - Added activity remark to the activities grid
84066

Added activity remark to the activities grid on the production chart report.

Records Management - Added functionality to allow physical items to be borrowed and returned
84015

New 'Borrow' and 'Return' buttons have been added to Records Management, allowing users to Checkout and Check In physical items. These screens also have the ability to add to the selection by scanning barcodes.

Advanced filter options have been added to filter by due date, circulation status, and who has borrowed the item.

Records Management - Retention period has been added to category and sub-category reference screens
84024

A retention period can now be recorded against a Records Management Category and Sub-category. This can be used to help monitor the recommended retention lifetime of Records Management items.

Records Management now supports previewing Shapefiles
84061

Shapefiles catalogued in Records Management can now be previewed without having to download and open in another application. When previewing, a basic map is displayed along with some information on the CRS and bounding box of the data.

Reference screen added for the R_WELL_CHEMICAL_ALIAS table
84203

A reference screen has been added for the R_WELL_CHEMICAL_ALIAS table.

Retention period is now shown read-only on the Records Management header screen
84025

Retention period has been added to the Records Management panel. For digital items it will be on the 'Item' tab, for physical items it will be on the 'Media' tab.

Mapping - RM Catalog and Production options available when selecting a Well Production map feature
84339

The RM Catalog and Production options are now available when selecting a 'Well Production' pie chart on the map.

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dbMap/Web - General   Bug Fixes

Production Charts - Series labels can be used to enable/disable series
84009

Fixed a bug on the production charts forcing users to select the checkbox to enable/disable data series on the chart. The series label can now also be selected.

Well Header - Coordinate fields are not updated due to conversion between DMS and Decimal Degrees
82572

Fixed a bug that was causing the well header coordinate fields to be updated due to conversion from DMS to decimal degrees, even if the user had not changed the coordinate value.

dbMap/Web - Wells - MAGNA-SIRGAS geographic CRS is now available for selection
84074

The MAGNA-SIRGAS geographic CRS is now available for selection on the Well header locations tab when editing a well.

Production Chart Show Events section is no longer shown when plotting data versus cumulative production
84067

The "Show Events" section has been removed when plotting data versus a cumulative production option.

For other options, events with no data are now correctly disabled.

Production Chart Top Wells/Well Zones options are more descriptive
84091

The Top 5 Wells/Well Zones options have been renamed from 'Oil/Gas production' to 'Average yearly oil/gas production' to clarify what the wells/well zones are ranked by.

Well Production Cumulative Chart now only shows data up to last production
84039

The Cumulative Production Chart no longer extrapolates data to the end of the year of the last data point, which would previously sometimes display data into the future.

Well Formation Tops Data loader merge rule "Replace by source and formation type" correctly replaces existing Formation Tops
84187

Fixed an issue with the Well Formation tops and Well Reservoir Summary data loaders not deleting existing tops/summaries with some 'Replace all by' merge options.

Comments have been added to the Row Quality column in the Well Formation Top template
84083

The Row quality column heading in the Well Formation Top data loader template now has a comment similar to other data loader templates with a Row quality column

Directional survey geometries not flagged as out of sync when well BH or TD TVD is computed
84188

When using the functionality to compute the directional survey offsets and TVDs along with the well BH location and/or well TD TVD, the GEOM_IN_SYNC flag on the WELL_DIR_SRVY_GEOMS table is now set correctly to Y. Previously it would be set to N after computing the BH or TD TVD.

Production chart tooltip now stays on the screen
84250

The tooltip now stays on the screen, moving underneath the mouse if there's not enough room to the right, keeping the information readable.

Compute TVDs / BH - Directional Survey Offset Computation failures no longer prevents subsequent computations for a vertical well
84162

Fixed an issue preventing other computations from running if the directional survey offset computation fails for a vertical well.

Changing the depth datum or elevation now prompts for the directional survey geometries to be re-computed
84243

The 'Compute TVDs/BH' prompt will now show when the relevant elevation or depth reference is changed.

View Well Zones / Basins / Fields button on 'Production by' Production charts now shows correct list when when charting by Top Wells
84069

Fixed a bug on Production by Well Zones / Fields / Basins Production Charts where the 'View Well Zones / Fields / Basins' button would display a blank list if charting by Top Wells or Top Well Zones. It now correctly shows the Well Zones, Fields, or Basins related to the charted Wells or Well Zones.

Well Header Data Loader now correctly loads data from sheets missing a units row
83869

Fixed an issue with the Well Header data loader where if you don't have a column with units (Headers on row 5, blank row on row 6), no data would be read.

Well log browser - Added support for file path translation to well log viewer

The well log browser (Wells/Well Log Browser) includes the ability to download and view LAS and DLIS files. If the dbMap/Web server was hosted on windows then the viewing of log files did not work. This has been fixed.

Detailed Release Notes Summary dbMap/Web 2024.1
Enhancements

Configuration - Licensing

83969   dbMap/Web 2024.1 licensing - New license file required

dbMap/Web - Administration

82800   GeoServer upgraded in dbMap/Web 2024.1

dbMap/Web - Client

83811   Well symbol added for symbol number 314 (Origin)
83719   Adjusted number of rows we fetch from the database (Parex only)
83520   Reservoir Summaries Data Type added to the Acquisition tab (Santos only)
83785   Default unit mode set to imperial (Parex only)

dbMap/Web - General

83702   Automated recalculation of values - Directional survey screens
83698   Well list has new bulk compute functionality for TVDs, survey offsets and bottom hole locations
83701   Automated recalculation of values - Well header screen
83703   Directional survey loader extended to support automated computing of some values
83168   Directional survey loader spreadsheet template now includes example of using new projected CRS
83339   CQ - Directional Survey - Correction to true north rule now passes if projected CRS is specified
83542   Perforation Diagram showing depths vs dates is now available
83565   Well log viewer: Added control over index/depth graticules
83252   Well log viewer: Added option to reverse FMI gradient

Detailed Release Notes Summary dbMap/Web 2024.1
Bug Fixes

dbMap/Web - Client

83764	Well header loader now supports loading the well origin (GCS only)
83835	Well Samples - Derive logger depths and Metric/Imperial buttons now work (Santos only)
83760	Mapping - Error adding Seismic Surveys to the map (Inpex only)
83725	Well origin fields have been added to the well header data loading template (Santos)
83722	Wells / Tests / Period screen has been reinstated (Origin only)

dbMap/Web - General

83941	Incorrect Easting/Northing and Adjusted X/Y offsets shown when directional survey correction to true north angle was West
82655	Palynology user interface improvements, including better display order in lists
83837	Error on Well Sample screen when deriving loggers depths with no base depth has been fixed
80834	dbMap PPDM3.8 - XREF_TYPE is not populated for new MPLT well tests
80232	Support facilities other than rigs and pads can now be assigned to a well
83182	Records Management - Trailing '/' no longer added to Web URLs
83291	Mapping - Issue where GIS layer could become 'stuck' and not able to be removed from the map has been fixed
81038	Formation tops loader - Prevent matching formations without formation type when column is populated
81146	Test group added to Well test type reference screen
83807	Mapping - Map images can now be saved
80538	Incorrect user interface was shown when creating a new field via a lookup
83707	Old Well test data for RFT and other types are now visible in dbMap/Web
83268	Records Management Wizard - Land right type is now visible in the selection lists
79392	Some child screens were still shown after parent record was deleted
83572	The list of data selection queries now correctly includes queries that use database PS_ functions
83743	Well Directional survey points panel now shows east/west and north/south direction for x/y offsets
81456	Well Test Loader - Incorrect validation rules were preventing data being loaded
83564	Wells Advanced Search - It is now possible to search for Frac data filtering by Proppant used

dbMap/Web - PLDB

83796	PLDB - Error when editing drilling opportunities resolved

Petrosys Release dbMap/Web 2024.1
Detailed Release Notes

Configuration - Licensing   Enhancements

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.

dbMap/Web - Client   Enhancements

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   Bug Fixes

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.

dbMap/Web - General   Enhancements

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.

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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.

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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.