

**UPSTREAM ENERGY**

# Petra® 2022 Hot Fix 3

May 2023 | Last updated May 17, 2023



Petra® 2022 Hot Fix 3

May 17, 2023

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S&P Global Headquarters 55 Water Street New York, NY 10041, USA

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## Overview

This document briefly describes the planned direction of the release of Petra® 2023 . The focus of this release covers the following:

- [Bug Fixes](#)

## Questions

If you have any questions, please [Contact Us](#) online, by email at [ci.support@spglobal.com](mailto:ci.support@spglobal.com), or by phone. Phone numbers are listed below:

| Region                          | Phone               |
|---------------------------------|---------------------|
| North and South America         | +1 800 447-2273     |
| Europe, Middle East, and Africa | +44(0) 134 432 8300 |
| Asia Pacific                    | +604 291 3600       |
| Japan                           | +81 3 6262 1887     |

When connected, select:

**Option 3** for Commodity Insights, and then

**Option 2** for Petra

## Bug Fixes

Service packs and hot fixes are tested before release, but as always, we highly recommend that you back up your projects before updating. Updates are inclusive and incorporate all fixes from previous updates.

Releases resolve the following customer-reported issues. Case numbers are listed in the right column.

### Petra 2022 Hot Fix 3 (May 18, 2023)

The following bug fixes have been made since the release of Petra Standard 3.16.02:

| Module | Description   | Case     |
|--------|---|----------|
| Map    | Bubble map settings now load correctly after a migration from 3.15.4 to 3.16.2. | 01907193 |
| Main   | An issue with raster calibration printing PERF at page break has been resolved. | 01879058 |

### Petra 2022 Hot Fix 2 (February 14, 2023)

The following bug fixes have been made since the release of Petra Standard 3.16.01:

| Module | Description  | Case     |
|--------|--|----------|
| Map    | An issue with directional wells disappearing after certain actions has been resolved | 10835394 |
|        | An issue with the map redrawing without hitting Apply has been fixed                 | 10789291 |

### Petra 2022 Hot Fix 1 (October 11, 2022)

The following bug fixes have been made since the release of Petra Standard 3.16.00:

| Module         | Description  | Case     |
|----------------|--|----------|
| Main           | Formation top hole angle and Compute/FM Tops/ DEV Hole Angle are now computed correctly. | 10301796 |
|                | Locked casing remarks are no longer erased by import.                                    | 10078004 |
|                | Case and liner data are now imported without checking PRODFIT data box.                  | 10412381 |
| Direct Connect | Extracting values to existing top with source now longer gives errors.                   | 10282746 |
| Map            | Duplicates are no longer generated for captured contour lines when moved.                | 10249247 |

## Injection data ID updates – Action required (May 2023)

To better distinguish production streams from injection, SPGCI is splitting the Oil/Gas production volumes vs. injection volumes into separate Entity IDs/PDENs. Currently, Entity IDs with Oil/Gas production volumes and injection volumes have the same Entity ID/PDEM (exp: OIJ/GIJ).

### What is changing?

Oil/Gas production data and injection data is currently stored on the same Entity ID. If a well was both a producer and an injection well, it will now have separate Entity IDs for the Oil/Gas production data and the injection data. Allocated data in Texas and Louisiana will have a new separate Well Entity ID just for the injection data values. Lease Entity IDs will no longer have injection data. The lease entity injection data will be moved to a new separate well entity ID(s) for those designed as Injection Well(s). This might be an API/UWI that is currently in the Lease or the creation of new API/UWI.

### Who is affected?

All US production and injection data users. There will be a gradual deployment of the injection data by state.

### How will this impact users?

Enerdeq will reflect the changes by displaying the separate production data and injection data entity ID's. This may affect certain types of queries and what is seen in the reports. The production "Last Update Date" (change date) will be triggered by this data deployment. Petra users will need to perform an injection data and/or complete production data clean-up prior to updating projects. Injection data may move from one API/UWI to another API/UWI, which could result in duplication of injection data in the project.

See ["Petra and Injection Data Changes"](#) for further guidance and information.

## Petra 2022 Release Notes

### General

#### Louisiana Production ID Updates – Action Required

S&P Global. is transforming its legacy Production Data Accumulation system to deliver production data in a more accurate and timely manner. S&P Global. began building this new system in 2008 and went live with Colorado Production Data in July 2009. Since then, we have completed and implemented additional Rocky Mountain States including Arizona, Montana, Nevada, North Dakota, Oregon, South Dakota, Utah, and Wyoming. Since the transition, we are now able to syndicate Rocky Mountain Production data to customers on a weekly, and in some cases, daily basis.

The Louisiana production data released in February 2016 has significant modifications, offering many new benefits and advantages to customers. S&P Global. strives to be proactive with solutions as a result this data update is not related to any specific Petra release. Please download the document below to learn more about actions you will need to take as a Petra user.

[Petra project preparation document – Download.](#)

### Petra Licensing

This version of Petra includes common licensing for Kingdom, Harmony, Petra, and GeoSyn.

A network license requires a dedicated computer for the license server, and the installation of two license managers, one to communicate with the Sentinel EMS (Entitlement Management System), and one to activate and monitor licenses. For more information, see the Licensing section of the Installation Guide, available from the Entitlement Management System (EMS) or the Kingdom release website (login required for both).

### Petra 2020 Database Upgrade

Petra's internal database was upgraded from version 3.0 to 4.0 in Petra 2020. We strongly recommend that you create a full maintenance and backup of all Petra projects **BEFORE** installing Petra 2020. For details, refer to the document "[Petra 2020 Database Upgrade](#)".

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**IMPORTANT:** Petra internal database version 4.0 is not backward compatible. Projects created in earlier versions of Petra must be migrated to the new database before they can be opened in Petra 2020 or later.

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### Backward Compatibility

If an updated version of Petra is used to access a shared project, older versions of Petra will no longer be able to access that project. All Petra seats within an organization should be updated at the same time. If the organization prefers to test new versions of Petra before general release to all users, testing should be done using dedicated test projects rather than projects that the organization wants to be accessible to older versions of Petra.

## Software Download

A download of this new release is available from the S&P Global. Petra Help Center. From the Petra main menu select [Petra Helpcenter/ Downloads](#). Select the product you want to download and save the update file. After downloading the update, close Petra before installing. For the network version, all users must exit Petra before the update can be installed.

## Requirements

| Minimum Hardware   |         |         |
|--|---------|---------|
| <ul style="list-style-type: none"><li>• 64-bit dual-core machine</li><li>• 16 GB of physical RAM</li><li>• 512 Mb of video RAM with OpenGL acceleration9</li></ul> |         |         |
| Supported Operating Systems  | Install | Support |
| Windows 10   | Yes     | Yes     |
| Windows 2012 Server R2   | Yes     | Yes     |
| Windows 2016 Server  | Yes     | Yes     |
| Windows 2019 Server  | Yes     | Yes     |

## Multi-User Setup

For multi-user setups it is recommended that Petra be deployed using a Windows Terminal Services implementation. Additional information can be found at "[Petra Help Center/Installation](#)".



## Enhancements

The following features have been added with the release of Petra 2023 . For additional information see, ["Petra 2022, What's New"](#).

| Module        | Description   |
|---------------|---|
| Main          | <ul style="list-style-type: none"> <li>New Computes: <ul style="list-style-type: none"> <li>Calculate inclination and azimuth from X/Y data for a deviation survey</li> <li>Formation Top IF-THEN-ELSE update</li> </ul> </li> <li>Data Management: <ul style="list-style-type: none"> <li>Raster Log deletion by Source</li> <li>Maintenance tasks by well selection</li> <li>License configuration launched after license expiration</li> <li>Blue Marble version updates</li> </ul> </li> <li>New query categories added to Select Wells by Data Criteria</li> <li>Compute log statistics quality flag</li> <li>Multi-well selection from well list in Main</li> </ul> |
| Map           | <ul style="list-style-type: none"> <li>Additional data categories to post along deviated borehole tracks</li> <li>Multiple deviation surveys posted on map</li> <li>Bubble map legend additions for Normal and Pie mode</li> <li>Ruler and polygon measurement updates</li> <li>Data posting for items at Landing Location</li> <li>Expanded zoom options to jump to Map from Main</li> <li>WSN/DSL Quick list sorting and increased capacity for files loaded</li> <li>Grid Volumetrics option to compute for zoomed in map area</li> </ul>  |
| Cross Section | <ul style="list-style-type: none"> <li>Ability to hide a formation top from a single well</li> <li>Highlight data posted by well spot by Quality</li> </ul>   |

## Bugs

The following bug fixes have been made since the release of Petra Standard 2021 v3.15.4

| Module | Description  | Case     |
|--------|--|----------|
| Main   | Decimal values now supported when entered in perf top or base in the grid columns. | 08979177 |
| Map    | Overlay polygons now working properly when turning on frame fill                   | 08863747 |
| 3DViz  | Jump to map – Now works as expected  | 09623859 |