UPSTREAM ENERGY

Petra® 2023

July 2023 | Last updated July 7, 2023

Petra ® 2023

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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:

- [Enhancements](#)
- [Bug Fixes](#)

Questions

If you have any questions, [Contact Us](#) online, by email at ci.support@spglobal.com, or call your regional client services center:

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

When connected, select:

Option 3 for Commodity Insights, and then
Option 2 for Petra

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

Petra 2023 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 form 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 S&P Global Markit document Petra 2020 Database Upgrade.

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.

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 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		
• 64-bit dual-core machine • 16 GB of physical RAM • 512 Mb of video RAM with OpenGL acceleration		
Supported Operating Systems	**Install**	**Support**
Windows 10	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 in the [Petra Installation](#) documentation.

Enhancements

The following features have been added with the release of Petra 2023. For additional information see the Petra 2023 What's New.

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Main Module

Enhancements and new features
 	
• New Direct Connect to the Bulk Log Database
• Connects to same log database as Kingdom and Well Log Downloader
• United Kingdom digital and raster logs available
• No internet connection required after download to work in Petra and view logs: Raster TIFF images are downloaded to your server location or computer of choice
• More condensed log group names and raster calibration files resulting in less group names in projects
 	
Log Data Connections
 	
• Petra 2023 now has two log data source options to import from
    ○ Legacy versions of Petra's Direct Connect only connect to the **IHS Hub (IHDC, The Hub)**. This database source will still be available via Direct Connect for the 2023 release
    ○ The **Bulk Log Database** is a newly added source in Petra's Direct Connect, to import logs from your S&P Global subsurface content subscription
• Combining log imports from both data sources in a single project is NOT recommended
    ○ Result will be inconsistent raster log group names and multiple repeated calibration files for a single image
    ○ Project clean-up of existing rasters is recommended if switching sources
    ○ Digital logs integration will have less conflicts of names (mixing sources is less of a concern)
    ○ Same images as the Hub, but less calibrated group files > less group names
    ○ Documentation guidance available for further help: Selecting a Log Database
 	
Additional deviation survey computes
 	
• Calculate and extract multiple parameters from deviation survey data to a Zone
• Options to extract Z data values in measured depth (MD) or subsea true vertical depth (SSTVD)
 	
Additional Main functionality improvements
 	
• Expanded options for Select wells by UWI list: Copy/Paste; Drag/drop txt files
• Database lock option for Well Header: Well label*
• LAS import update for Canadian logs: Option to NOT remove letters in API/UWI

Map Module
Deviated Borehole Data Posting
Improved functionality in Sampling Grid to Wells • Option to sample at well spot location if deviation survey does not penetrate the grid • Rectifies wells being ignored and not calculated • Options to set quality code
Cross Section
Enhancements and new features • Digital log header can post at bottom of log track* • Date stamp in printing now optional

Bugs

The following bug fixes have been made since the release of Petra Standard 2022 v3.16.3:

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Module	Description	Case
Main	An overwrite issue with casing data remarks during 297 Import has been resolved.	10078004
	Contour lines duplicating when moved on the map has been fixed.	10249247
	Formation top hole angle and Compute/FM Tops/ DEV hole angle are now the same.	10301796
	An issue with the **Search by data criteria > All Wells** button has been fixed.	1856005
Map	Map Error Code : -69.25 Drawing Attribute Map Out of System Resources is resolved.	1793948
	The Tab key in Map Title Block options no progresses through the fields in order as expected.	1793963
Data Mgmt	Direct Connect Well Loader now loads casing/liner data when PRODFit strings are not loaded.	10412381