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UPSTREAM ENERGY

Petra® 2021 HF4

April 2022 | Last updated April 7, 2022

Petra ® 2021 HF4

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Overview

This document briefly describes the planned direction of the release of Petra® 2021 HF4. The focus of this release covers the following:

- [Bug Fixes](#)

Questions

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

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General

Louisiana Production ID Updates – Action Required

IHS is transforming its legacy Production Data Accumulation system to deliver production data in a more accurate and timely manner. IHS 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. IHS 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 2021 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 IHS 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 Capability

An electronic download of this new release is available from the IHS Petra Help Center. From the Petra main menu select **Help > Installation / 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.

If you do not have an internet connection and need to obtain the Petra update on physical media, contact IHS at customercare@ihsmarkit.com.

Requirements

Minimum Hardware		
• 64-bit dual-core machine • 16 GB of physical RAM • 512 Mb of video RAM with OpenGL acceleration9		
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

Terminal Services Implementation

For multi-user setups it is recommended that Petra be deployed on a Windows server (e.g. Microsoft's Remote Desktop) using local disk storage. Additional information can be found at the Petra Help Center/installation.

Petra Help Center

Best Practices

If you are storing your projects on your local hard drive, obtain an NTFS formatted drive large enough to store all your projects. Backing up your data is critical. Remember to also use a backup device (tape drive, USB Disk Drive, DVD writer capable of spanning) in case of an internal drive failure.

Enhancements

The following features have been added with the release of Petra 2021.

Petra 2021-HF2 (September 2021)

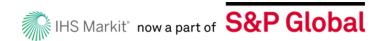| Module	Description
Map	• Quick List Overlay Grouping — Groups are private per user (PRIPARMS) — When Groups are used, moving layers and reordering are done thru Quick List — Added Import/Export Groups settings (.LGD) — Preferences and layers ordering (default) works as previous versions (No Groups used) — [Click Here](#), to see a short video.

Petra 2021 Release (July 2021)

Module	Description
Main	• Added Well Count for Fm Tops source • ASCII Import/Export enhancements: — New export format options for Well tab remarks — Well header details included with deviation survey data — PPF export windows reordered more intuitively — Well Log Downloader workflow documented in Direct Connect menu options • Added Extract Casing + Others details to zone items • New deviation survey computes: — Calculate X, Y, and Z values along deviation surveys from a user defined starting point — Zone attribute items or new formation tops created from extracted XYZ values — XY & Lat/Lon updates to Landing Location • All IP treatment children records extracted with zone item name automated • Well to well preservation for column spacing changes in interval tables • Search by Data Criteria (Query) enhancements for dates of modified deviation surveys
Map	• Added dynamic well lists to the Quick List in the WSN List section • New Quick List grouping organizational features: — Grouping folder with overlay layer drag and drop — Group export in single or multi-layer option • Floatable Quick List menus • New Map module attribute legend customization for positioning • Added transparency strength changes to Contour Color fill • Browse button for Overlay Autosave path
Cross Section	• Plot test indicator updates: — Perf top depth in remarks — Perf type: Cement Plug Added option in Tops to Color by Source • Added Save/Load template for X-section depths settings

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.
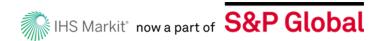
Petra 2021-HF4 (April 2022)

Module	Description	Case
Main	Perf rows now being inserted correctly	09116749
	SSTVD grids no longer intermittently fail to display in SSTVD grid lists	08621084
	Issue exporting true north/grid north directional surveys corrected	
Map	Export Overlay Layer - ESRI Shape File LatLon Line/Polygon.prj now correct	09541278
	Attribute map legend now working when zoomed in	09114216
	Moving scale bar to the same location as the north arrow no longer causes map to lockup	08607985
	Can now select BHL or SHL in polygon well selection	Internal
Cross Section	Large cursor color issue resolved	09099344

Petra 2021-HF3 (November 2021)

Module	Description	Case
Main	Importing perf fmname issue with generic ascii file fixed.	08546100
	View Tab now displays all shows for selected well.	08410996
Map	Contour enhanced colors display template pre-version 3.14 not read correctly or autoloaded fixed.	08545954
	Overlay groups layer name parsing issue causing duplicate groups fixed.	08412553

Petra 2021-HF2 (September 2021)

Module	Description	Case
Map	Load map settings now displays saved layers	08100336
	Preferences and layers to turn on/off layer working consistently	08090675
	Shift+S doesn't open "Digitize Seismic line" dialog when editing overlay layer	08100089

Petra 2021-HF1 (August 2021)

Module	Description	Case
Map	Quicklist apply button works correctly when toggling layers returns all wells	07829498
	Overlay performance issues resolved	08030561
	Print preview working for large dpi	07919224
	Export Layers Lat Lon – no longer produces external error	07010889

Petra 2021 (July 2021)

Module	Description	Case
Main	Well tab ProdFM now appears above the Production Charts	94495
	Zone Maintenance - "Click Bar for Details" – dialog text corrected	510220
	Dynamic query invalid wellcount/well list fixed	519115
	Perf Types can now be saved as Frac Plug	529940
	Layer grouping context menu works correctly now	537046
Map	Fault Cuts post with option checked on	81903
Cross Section	Remarks now line up with the core points	81857