**UPSTREAM ENERGY**
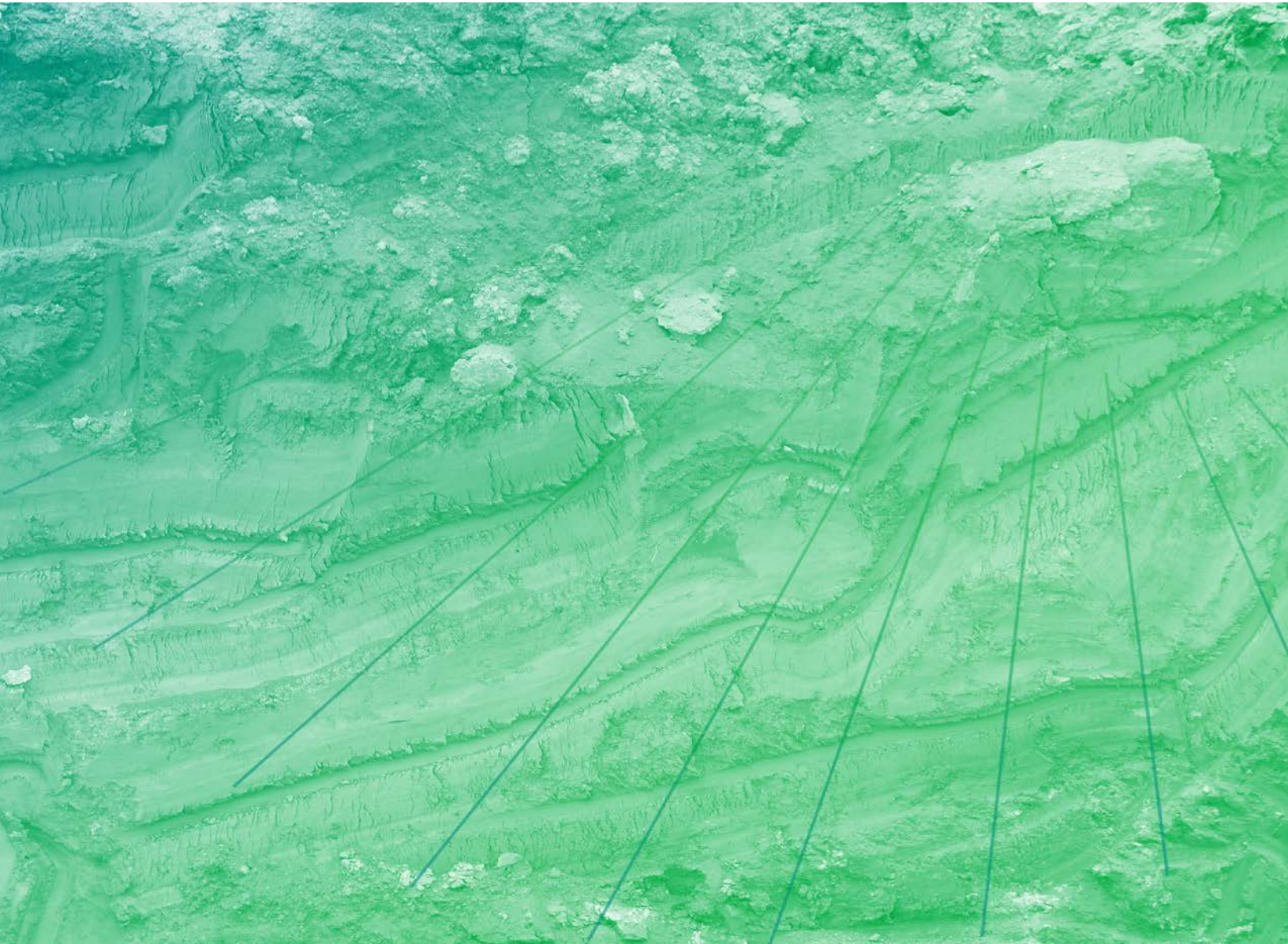
# Petra® 2017

August 2017

Petra ® 2017

July 17, 2017

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# Table of Contents

# Overview

This document briefly describes the planned direction of the release of Petra® 2017. The focus of this release covers the following:

- Enhancements
- Bug fixes
- Known Issues

# Questions

If you have any questions or need to obtain your software on physical media, contact one of our Customer Care Centers of Excellence at customercare@ihsmarkit or by phone. Phone numbers are listed below:

| Region | Phone |
|---|---|
| Americas | +1 800 IHS-CARE<br>+1 800 447-2273<br>+1 303 736-3001 |
| Latin & South America | +54 11 4343-8635<br>+55 21 2588-8145 (Brazil)<br>+52 55 3067-0309 (Mexico City)<br>+55 21 3299-9946 (Rio De Janeiro) |

# 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.

## Flexible License Manager Update

Customers that are implementing Flexera's LmTools/Lmgrd as the license manager for 3.8.x will need to update to the newer LmAdmin license manager. Petra 2016 Standard and above requires Flexera's LmAdmin license manager with upgraded daemon (IHS.exe). This implementation is required for flexible, network licensees prior to updating to Petra 2016. For customers that have already implemented LmAdmin, a new license (IHS.lic) may be required and will be provided upon request. Customers with stand-alone bitlock licenses (USB) require no action as bitlocks are compatible with any version of Petra. Please refer to the LmAdmin Installation Guide for instructions.

## Backward Compatibility

Petra updates periodically contain changes and additions to the database tables. 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 Software Download page. From the Petra main menu select Help > Petra Download Web Site. 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 petralicensing@ihs.com.

# Requirements

| Minimum Hardware | | |
|---|---|---|
| • 64-bit dual-core machine<br>• 12 GB of physical RAM<br>• 512 Mb of video RAM with OpenGL acceleration | | |
| **Supported Operating Systems** | **Install** | **Support** |
| Windows 7 SP1 (64-bit) | Yes | Yes |
| Windows 10 | Yes | Yes |
| Windows 2008 64-bit | Yes | Yes |
| Windows 2012 Server R2 | Yes | Yes |

## Server Recommendations

IHS recommends that you store the database files on a network server. See the PETRA – Usage in Large Multiuser Environments document for details. Multiple servers can be deployed in your environment to accommodate large numbers of users

# Terminal Services Implementation

IHS has documented remarkable performance improvements in multi-user Petra environments when Petra is deployed on a terminal server (e.g. Microsoft's Remote Desktop) using local disk storage. Under such conditions, network traffic to enable multi-user file sharing of Petra's database files is eliminated, and users achieve unparalleled efficiency and satisfaction.

IHS has fully documented, certified and supports such an implementation.  We encourage you to contact IHS Customer Care for more information.  We are happy to schedule professionals to come to your office to install, test and certify this Petra environment for you.

[Download the Terminal Services Implementation white paper.](#)

# Best Practices

If you are storing your projects on your local hard drive, obtain an NTFS formatted drive large enough to store all of 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

## Main

- Support for Alternate UWI in well list
- Improved layout of tabs for data display and editing:
  - Well tab and interactive well symbol dialog
  - Other tab
  - Location tab
- Parent-child grid display for efficiency of viewing and quality checking data (IPTests, Fmtests, Perfs, Shows)

## Cross Section

- Individual digital log template display options and enablement

## Direct Connect

- GCS Tops supported through Direct Connect import to source code 4

## Sidekick

- New external data management tool for project clean-up. Allows quick and easy import, delete, and management options for your data.

## Bug Fixes

Since the release of Petra Standard 2016 3, the following bug fixes have been made.

### Petra 2017

| Module | Description | Case |
|--------|-------------|------|
| Main | FM Tops tab, SS and TVD now populated when entering MD to add new top | 1328569-PK3B2H |
| | Perf details sort option moved to Project > Export > Perfs… | 1307707-CNJCCY |
| | FmTops rename source limited to 8 characters, no longer rolls into units column | 1311827-H4P61S |
| | Compute > From Logs > Footages > stores GROSS value if NET cannot be calculated | 1301906-1T3TDG |
| | Nulled FmTop from Cross Section option shows correct number in FMTops tab Sym column | 1289808-15102Q |
| | Ascii import will now import file with a single line of data | 1284091-GRXTZ0 |
| | Option to exporting Top/Zone Items using aliases now works properly | 1278757-KST12D |
| | Export tops, "Use Aliases" check box now works correctly when exporting well data ascii file | 1276353-XLT908 |
| | Zones tab, Save button is active when manually entering data in a zone item | 1268042-SNR1B4 |
| | Selecting a zone item value in Main and double-clicking on a well in map module now shows the value | 1256956-J5772L |
| | Active Only button now works when any column of Zone tab is sorted | 1253702-PTH9X4 |
| | Production Tab > Data button > Column View > copy one column to another column now works correctly | 1226580-BWBLK6 |
| | Creating a FMTop from the Prod Cums tab now posts MD, SS, and TVD values in the Map Module | 1228716-2ZHVQ2 |
| | FM Tops tab grid sorts correctly | 1221620-0L59D6 |
| | Rasters tab grid, Clicking between two columns to auto-resize column works correctly | 1218348-704F6T |
| | Import > Monthly Production From > IHS 298 Injection Data scanning file window no longer freezes | 1206996-MTGP9S |
| | Scout ticket improved performance if tops selected to be displayed | 1274213-3JXY9V |
| | Client now displays the Color Scale Bar for Contour Set 2 | 1289925-XPD2YP |
| | Overlay > Preferences & Layers > Copy Data option now copies line attribute label data | 1288470-LXB8LB |
| | When directional is enabled on the map module and the option to set the well symbol at "Actual Bottom Hole Location" now plots correctly | 1285901-HDLGJG |
| | Map contour color scale bar now displays for contour set 2 | 1263581-JKPKJC |

| | | |
|---|---|---|
| | Sample grid to well: Limits tab, restrict wells that do not penetrate grid now works correctly | 1178297-L8W9Z6 |
| | Restricting perfs by a zone depth range now works correctly | 1066322-2KSVPH |
| | Multiple wells with raster and digital logs shift correctly in structural cross section - TVD mode | 1293483-4PVQ9L |
| Cross Section | Digital log does not display deeper than track outline - Stratigraphic CS, deviated well in TVD mode | 1247423-C94C1C |
| | Clicking colors to set the geo column colors no longer receives error message | 1242325-QKGNP9 |
| | New Tops display selecting one top turns others off on the "Available Tops" | 1220750-45JLBQ |
| | Fixed issue with lower depth above upper depth causing wells to draw up - no longer receives error message | 1190920-KS7QHQ |
| | Mixed Units Project now displays borehole correctly | 1217729-D1WM15 |
| | Individual Well Raster Template - now allows different tracks for each well | 1139207-Q5BVGR |
| | Setting individual raster log templates no longer resets Log Track # | 1088479-1ZXQB3 |
| | Filter by well option to select logs no longer causes glitches in the Track selection for the groups | 1235773-3X1WSZ |
| Direct Connect | DC digital log importer displaying null values as zero for certain logs corrected | 1253577-CNK6RK |
| Directional Well | Changing display contour grid path in DWM no longer gets error message | 1244011-51FV9X |
| Raster Calibration | Digital log depth units conversion now working correctly | 1191908-FNRKJ0 |
| Spreadsheet | Spreadsheet module now supports field selections | 1187561-DSQTZP |
| Spreadsheet | Entering text data into a numeric zone in the spreadsheet now works correctly | 1092902-0W80G1 |
| Thematic Mapper | Outputting Texas locations now exports | 1319602-WN73W5 |