PHDWin Version 3.1.20 – Release Notes
September 2026

Summary of New Features:

- Enhanced Analysis with SPEE Monograph 5 Standards: We have now introduced dedicated Probit and Trumpet plots. Easily model threshold distributions with Probit analysis, and track uncertainty boundaries against acceptance limits using Trumpet plots.
- Risk: Well risking models the binary chance of a dry hole versus a commercially viable discovery before capital is committed. It blends the value of the successful case with the unsuccessful outcome that produces zero hydrocarbons. Risk is modeled using the new Risk Tree in PHDwin V3 Build 20 where users can apply numerical risking values to a single case or link cases to create dependencies and adjust subordinate wells by a compounded risking factor. Risk is scenario controlled and each scenario has the option for unique risking values.
- Updated Reports for Risking: Reports have been updated to allow users to quickly identify if a case has been risked or if the summary contains risked cases. One-line reports will have cases and summaries italicized if they contain risked values and other reports will have risked values in the red in the headers of the reports.
- Income Tax Unit: Build 20 adds a new Income Tax group case for aggregating data from multiple child cases. It gathers net economic values from the child cases including revenue, costs, production, local taxes, and depreciation into a unit. The unit does not calculate a GEL. Income Tax Units triggers unique report layouts required for reporting income tax related values. such as depreciations, net operating income, tax loss carry forward, taxable income, and charged income tax.
- Update to V3Connect: Excel now automatically connects to V3 and outputs the V3Connect report you want straight from the report drop down- no need to paste connection strings! The V3Connect sheets have also been updated to have a drop down of appropriate prior report runs to compare results, plus a prompt to delete the report run that generated the original output to preserve database space. Note that all previous V3Connect reports no longer work and clients must use the new provided sheets.
- Update to ODBC 18: for the first time since V3's launch the ODBC dependency has been updated to 18 which has ARM compatibility. Note that every V3 user will be prompted to install the new ODBC driver. Any implementation based on the old ODBC driver or SQL Server Native Client is no longer supported.
- New Support for V3 PHDwinOUT: V3 now supports compatibility with a new OUT file format that can be used for visualizations and data warehousing. Supported clients can get setup with the output and configure it to push data to Microsoft Access if needed
- New Database Status Icon: To better assist clients in knowing which database they are currently editing, we have added a new icon to the Home ribbon to identify the current database.
- Updated SQL Version: The SQL version that is packaged with PHDwin is now SQL 2025.

General Improvements and Bug Fixes:

(This is not an exhaustive list. Almost 800 issues were addressed in Build 20)

- Case or Database Creation:
  - Extended Life and Minimum Life setting weren't being copied over when case is duplicated
  - Using keyboard shortcut to create a new case was causing an error
  - When creating a new normalized case, the default for Gather Volumes Until is now EUR
  - The default Phase Configuration is now Phase Independent – Oil
  - The Report Date in a newly created scenario is now the 1st day of the current month and year
- Economics:
  - Capital allocation with product specific allocations weren't based on remaining life values
  - Allocations weren't being reported if the cases were in both an allocation and a non-gel
  - For Allocation GEL units, Oil allocation has been changed to user-selected product
- Fiscal Models:
  - Created a new cash formula token for IRR

    - Fixed Static Variable date display for Spanish operating systems
- Global Editor:
    - Fiscal Models:
        - Add Clear All option for Fiscal Models
    - General Info:
        - Add major phase option
    - Graphs:
        - Add option to turn graph end point labels on/off
        - Add option to add/delete a product from a graph
        - Add option to turn plot daily on/off
        - Add option to edit y-scale to volume per month or day
        - Graph Titles are now stored to the user
    - Prices/Expenses/Shrinkage:
        - Add options to Copy from Existing.

- Graphs:
    - Add probit graph as a default for normalized curve cases
    - Improved the ability to paste values into scheduled segments
    - Made improvements to the initial auto-scaling of a projection
    - Improved the selected product consistency when navigating cases
- Grid Editor:
    - Added Unique ID code in the General Info grid
- GUI:
    - Fixed rare occurrence of case list displaying old cases when changing to a new database
    - Improved Case List efficiency and speed with large data sets
    - Add ability to multi-select groups from the case list
    - Added ability to transfer in a database to a brand new instance
- Import/Transfer:
    - The graph's Solvefor column wasn't getting populated with Import autofit turned on
    - Improved the V2 import for custom products
    - Bookmarked cases are now included in Transfer files
    - Allow the Transfer In to create the first database in an instance
- Sorts/Filters:
    - Add ability to multi-select sorts or filters for deletion
    - Report Group Name is now an option to filter the case list
- Scenarios:
    - A duplicated scenario wasn't correctly copying case eco start dates
- Wellbore/Completion:
    - Wellbore ID and Completion ID are now required to be unique
    - Cases can now share wellbore and completion records