

Release notes for 2.5.8.022 (10th December 2020)

- Smoothed out spikes in annular contact time chart
- Added in OD warnings for T&D Calculation
- Added in copy and paste functions to cementing grids
- Changed the behaviour of the drop downs for the units in the bit hydraulics calculator
- When the cementing animation gets to the end hitting the play button will restart the animation
- Added link to you tube videos in the main menu
- Changes to the BHA analysis calculation (build / drop)
- Cuttings density defaults back normal value when cuttings density enable / disable is checked
- When 2 agitators are entered the one with the highest friction reduction will be used
- Automatically removes thousand separators from the drilling data grid.
- Added number of centralizers per section and a totals section to stand off summary
- PDF reports now open in Adobe rather than VPE
- MSA reports now open in Adobe
- Added option to reset pipe class limits
- Minor Improvements

Release notes for 2.5.7 (28th February 2019)

- When you paste into the survey grid it will automatically remove the comma from the depths
- Added option to show depth labels on MSA scatter plot
- Added tool to calculate buoyancy factor and hydrostatic pressure
- Added option to limit the maximum number of open Engineering instances
- Added kpa/m mud weight units and m3/min flow rate units
- Changed Herschel Bulkley Model to API 13D
- Added AV to cementing results
- Added coloured bar to indicate flow type on cementing results
- Added option to select flow units for pumping schedule in cementing
- Added contact time chart for cementing
- Added fracture gradient to ECD snapshot chart in cementing results
- Added air drilling mode to hydraulics module
- Added option to export the cementing results data to excel
- Changed the way which split flow is handled in hydraulics
- Changed the way in which casing floatation is handled in T&D
- Added EDR Data Parser
- Minor Improvements

Release notes for 2.5.6 (24th July 2019)

- Added buckling detection output to the T&D results

- Added option to change the neutral point safety factor in the jar placement
- Added option to change the jar size checks in the jar placement
- Added the option to change the x scale of the impulse and impact charts in the jar placement
- Added the pass-through dogleg calculation tool
- Added warning for SAG and BHA sensitivity analysis if a component type was not entered
- Minor Improvements

Release notes for 2.5.5 (23rd May 2019)

- Removed the time from the report cover
- Survey import column selections now save with the project
- Changed stab blade length units so that they reflect the OD units
- Added option to include the time (or not) on the reports
- Added option to lock a perpetual license to a version
- Added GT plot to MSA charts
- Made MSA charts resizable
- Added the BHA image to the excel Magnetic spacing results export
- Minor Improvements

Release notes for 2.5.4 (11th April 2019)

- Added in charts to the MSA reports
- Added in an option for an Excel MSA report
- Added Corrected v Uncorrected Plan and section View Chart to MSA reports
- PDF report preview now shows maximised
- Option to just preview a report rather than save it
- Can now enter a restriction ID for casing bow spring centralizers so that the running force follows a logarithmic curve based on compression
- Added option to select which MSA charts are included in the reports
- Added auto fill pump out force
- Added cementing simulation tool
- Minor Improvements

Release notes for 2.5.3 (6th March 2019)

- Added option to change accelerometer units
- Added option to invert accelerometer Z axis
- Added option to specify MPD back pressure
- Added warning to MSA dialog if any parameter maxes out after the calculation is run
- Added option to include riser boost rate to hydraulics calc
- Added support for EVO and applied physics magnetic units
- Added Canadian Units

- Changed the colour of the SCC AZI and SAG INC columns to blue on the raw surveys tab
- Added in open project folder option
- Added open documentation folder option
- Added check for update option
- When license is deactivated code now saves to a file
- Added option for entering RT vibration data
- Added a chart to show real time vibration data
- Chart axis limits now save when printing
- Minor Improvements

Release notes for 2.5.2 (20th November 2018)

- Modifications to power law and Herschel bulkley parameters
- Modified hole cleaning parameters to include RPM
- Added option to see pick up weight with overpull in off bottom snap shot chart
- Added option to specify the number of decimal places used for survey MD INC and AZI
- Upgraded to MFVv141
- Added options to have default chart formatting styles for line colour line style
- Added option to include series labels on charts such as friction factor and flow rate
- Added option to shade to the left hand side of the buckling lines on plots
- Added option to print the BHA inverted
- Adjusted way Computer Code is created for License Generation
- Minor Improvements

Release notes for 2.5.1 (28th June 2018)

- Azimuth columns in the MSA dialog now highlighted for ease of comparison
- MSA survey azimuths which are out of spec on MSA QC but OK with normal QC are now highlighted orange
- Wellpath magnetic interference now has adjusted drillstring component pole strengths
- Added option to manually set the pole strengths within the Wellpath Magnetics results window
- Added option to add Bit Grading In and Out on the printed BHA
- Warning added if pipe tension limits are exceeded
- Ability to add a second logo to PDF reports
- Added option to email computer code from License Details Window
- Added jar details to printed BHA
- Added option to print charts to PDF with header
- Minor Improvements

Release notes for 2.5.0 (2nd June 2018)

- Ability to change colour of PDF reports

- New BHA images
- Additional inputs for printed BHA
- Minor Improvements

Release notes for 2.4.9 (22nd May 2018)

- Can now change the background colour on BHA reports
- Minor Improvements

Release Notes for 2.4.8 (2nd April 2018)

- Updates to printed BHA output
- High resolution printed charts
- High resolution tool bar
- Can now have multiple casing strings in the well geometry
- Minor Improvements

Release Notes for 2.4.7 (2nd February 2018)

- Separate tolerances for MSA surveys
- Option in torque and drag model to have the hole fluid level set below zero
- Overpull can now be included in pipe stretch calcs
- Delta charts included in MSA
- HSTF v Azi Correction plot added to MSA
- Minor Improvements

Release Notes for Rev 2.4.6 – (22nd January 2018)

- Minor Improvements

Release Notes for 2.4.5 (29th December 2017)

- Addition of psi/f3 mud units
- BHA Sensitivity analysis tool
- Ability to create an Excel BHA sheet from the main drill string entry page
- The option to see N & K mud parameters
- Addition of a roller reamer component
- Minor Improvements

Release Notes for 2.4.4 (12th December 2017)

- Option to turn chart titles on and off
- Minor Improvements

Release Notes for 2.4.3 (16th November 2017)

- Option to model Air Drilling in Torque and Drag
- Minor Improvements

Release Notes for 2.4.2 (7th November 2017)

- Option to support air drilling for T&D
- Option to limit the number of decimal places in the SAG
- Minor Improvements

Release Notes for 2.4.1 (26th September 2017)

- Minor Improvements

Release Notes for 2.4.0 (11th September 2017)

- Includes ability to model expandable liners
- Chart updates
- Minor Improvements

Release Notes for 2.3.9 (30th August 2017)

- Minor Improvements

Release Notes for Rev 2.3.8 – (28th August 2017)

- Minor Improvements

Release Notes for 2.3.7 (17th August 2017)

- Surge and swab parameter changes
- Minor Improvements

Release Notes for Rev 2.3.6 – (1st June 2017)

- Added displacement, capacity to tubular properties calculator
- Added well control section to pressure gradients dialog
- Can now open a file by double clicking on it
- Can now use the comma as a separator on the drill string grid
- Can now enter a separate WOB for sliding and rotating
- Minor Improvements

Release Notes for 2.3.5 (27th May 2017)

- Addition of new raw survey magnetic units: nT no XY inversion
- SCC delta azi is now calculated in NM spacing results
- Minor Improvements

Release Notes for 2.3.4 (3rd May 2017)

- Stress / Strain calculation for all T&D operations
- Can now model Aluminium Drill Pipe
- Option to input temperature gradients
- Tubular properties calculator (Burst, Collapse & Tri-Axial)
- Casing seat calculator

Release Notes for 2.3.3 (23rd February 2017)

- Multi Station Analysis added
- Casing Standoff calculation
- BHA importer and exporter added
- Drilling Fluids Library
- Components Catalogue
- T&D & Hydraulics Summary Reports
- Additional Loading and Unloading Buckling Model
- Report template feature implemented
- Minor Improvements

Release Notes for Rev 2.3.2– (1st February 2017)

- High res tool bar for all dialogs now implemented
- Main tab control font size changed for high resolution monitors
- Added buttons for casing standoff / wear / dp fatigue to tool bar
- Optimize casing standoff option
- Added centraliser restoring force option
- Added casing optimisation parameters dialog
- Added report for casing standoff summary and chart
- Added the option to display the casing shoes on the plots
- Rheology chart in fluids editor
- Added option to print standoff data as part of a report
- Moved position of chart screen reader to outside the chart
- Button to turn grid on and off in charts
- Added toolbar button for survey import
- Engineering now accepts the comma as a decimal separator
- Added warning if no SCC license available

- Well Schematic has been added to main dialog and in a separate dialog available from the tools menu
- Minor Improvements

Release Notes for Rev 2.3.1– (26th January 2017)

- Can now include the hydraulics and T&D summary as part of a full report
- Added buttons to allow the user to reset the fluids and component catalogues to defaults
- Tool bar now has a high res monitor compatibility when scale factor > 1.5
- Added casing standoff calculator
- Minor Improvements

Release Notes for Rev 2.3.0 – (25th January 2017)

- Consolidated resize functions in to a single class
- Resize font now changed (larger)
- Minor Improvements

Release Notes for Rev 2.2.9 – (20th January 2017)

- Added depth to user defined ref for surge and swab chart
- Added error check for OD & ID for hydraulics calc
- Can now copy and paste in to interpolation dialog
- Torque and drag now uses vectors for all large arrays
- Step size reduced by 50% for torque and drag
- SO On bottom renamed to slide drilling
- Free rotating weight (on btm) named rotating on bottom
- String tensions now calculated using the buoyancy method, pump rate and cross-sectional areas now taken in to account
- Additional side force due to Helical Buckling implemented
- Results table dialog now maximised
- Buckling calculations now use the curvilinear model and helical calculations are done on the unloading model
- Added option to add tortuosity, separate dialog accessible from options menu
- Pipe class editor added
- New drill pipe property to change OD based on class
- Can now enter an Inc and Azi on the tie-on line for raw surveys
- Added a line for minimum weight to helically buckle on to the drillers hook load plot
- Added column to indicate buckling type to results table
- BHA component now displayed in snapshot results table
- Reaming HL now added to drillers hookloads chart and data table
- Added torque and drag summary report

- Added hydraulics summary report
- Added license expiry date to register software dialog
- Redesigned the tubular catalogue, only a single catalogue for all components and there is now a filter and more details
- Added a fluids editor and database to the first tab
- Copy and paste now copies the column headers and the first column
- Removed buttons for hydraulics data tables from toolbar
- Added option for buckling model (loading or unloading)
- Minor Improvements

Release Notes for Rev 2.2.8 – (15th November 2016)

- Added surge and swab references & open and closed ended to chart title
- Minor Improvements

Release Notes for Rev 2.2.7 – (14th November 2016)

- Changed pole strengths of X/O subs and drill pipe
- Survey selection is now saved with project file
- Added units to field strength on tab 2
- DP catalogue now selects the weight based on whether the TJ is include or not
- Torque and drag now error checks to see if weight and ID has been entered for all components
- TR BR etc are blanked out on tie on line
- Minor Improvements

Release Notes for Rev 2.2.6 – (18th October 2016)

- NM Spacing results now bigger and columns auto size
- Minor Improvements

Release Notes for Rev 2.2.5 – (13th October 2016)

- Minor Improvements

Release Notes for Rev 2.2.4 – (10th October 2016)

- Changed colour of report blue so it is clearer to see the text when printed
- Mag spacing output HL and Dip now to 3dp on output dialog
- Added ROP to Cuttings % chart title
- NM spacing results now highlight HL and Dip values which are out of range
- Changed tangential point found error message

- Stabiliser blade length and distance from bottom is now error checked so it cannot be longer than the component
- Minor Improvements

Release Notes for Rev 2.2.3 – (12th September 2016)

- Minor Improvements

Release Notes for Rev 2.2.2 – (4th September 2016)

- Version is now on report covers and footers
- Can now copy results on tab 3 to clipboard
- Excel report titles now left justified not centre
- Added depth to title of hole cleaning charts
- Added depth to title of minimum flowrate chart
- Open hole depth now is set to infinity in TnD Calcs and hydraulics
- Navigator survey import now includes a line for the tie on
- Minor Improvements

Release Notes for Rev 2.2.1 – (27th July 2016)

- Application is now high DPI aware
- Minor Improvements

Release Notes for Rev 2.2.0 – (12th July 2016)

- Can now draw a table of the BHA and well bore geometry in plots
- Added in a minimum flow rate for good hole cleaning chart
- Can now access a charts data table from an icon in the chart tool bar
- On bottom tension snapshot displays correct WOB
- Added casing wear chart and data, calculates casing wear depth
- Added drill pipe fatigue prediction - calculates critical dogleg where fatigue may be an issue
- Auto calculate weight now updates when OD units are changed
- Minor Improvements

Release Notes for Rev 2.1.9 – (22nd June 2016)

- Minor Improvements

Release Notes for Rev 2.1.8 – (17th June 2016)

- Minor Improvements

Release Notes for Rev 2.1.7 – (15th June 2016)

- Added HWDP to catalogue
- Can now insert and delete items from DP catalogue
- Can now insert items in to the DS grid from catalogue
- Added circ sub option, under reamer and hole opener
- Can now select last BHA component to be used for calculating the weight

Release Notes for Rev 2.1.6 – (12th June 2016)

- Rotating weight on bottom now includes WOB
- Minor Improvements

Release Notes for Rev 2.1.5 – (8th June 2016)

- Added warning for unsaved project when the program is closed
- BHA weight now calculates when mud weight is changed
- Added units to JV
- Added TFA to bit pressure loss summary
- Can access the library by right clicking on the ds grid
- Minor Improvements

Release Notes for Rev 2.1.4 – (6th June 2016)

- Added drill pipe and casing catalogue
- Minor Improvements

Release Notes for Rev 2.1.3 – (3rd June 2016)

- Displays BHA weight in main tab
- Displays MUT on charts
- Copy paste now works with fractions for OD and ID
- Properties grid now uses fractions for OD
- Flowrate added to hydraulics profile header
- Check all and uncheck all buttons on reports generator
- Time added to report cover
- Added depth to snapshot report headers
- Detects if BHA touches well bore before sensor measure point
- Minor Improvements

Release Notes for Rev 2.0.0 – (30th May 2016)

- New charting engine implemented
- SAG and Magnetic interference calcs now launch the results after the calculation is performed.
- Label dragging in charts
- Tether lines in charts
- Adjusted some column widths in reports
- Increased performance in properties grid
- Added smooth scrolling to all flex grids
- Table results dialog now resizable
- Chart results dialog now resizable
- Section and plan view charts now have their aspect ratios preserved
- Added snapshot depth to chart headings
- Can now enter OD's and ID's as a fraction using parser
- Auto size columns in results tables
- Colour coded cells if pipe is buckled
- Can now enter value for actual overpull on third tab
- Minor Improvements

Release Notes for Rev 1.1.0 – (21st April 2016)

- Minor Improvements

Release Notes for Rev 1.0.0 – (1st January 2016)

- Initial release of software