

CalWin Revision Comments

- Version 5.9.04 changed unitless units
changed length units
changed gas units
added 1 second averaging and flow weighted average
added lpdiff for hawk9500
changed middle size in cmp file to &hf0 pages
- Version 5.9.05 added new Chinese from Joseph
auto selecting plots with multi well
new usb ftdi drivers
changed permanent download to &hff to get all information for multiwells
- Version 5.9.07 If surface box serial number in old format reload in new format
set streaming download for only 9003
- Version 5.9.08 Removed digital channel support
Fixed toolmodel 9026 on recal
changed getrev to check for tool on configured port
added code to check if needed files are in app.path
changed 4-20ma channel array size from 2 to 1
only allow 16 characters in channel name
fixed multi well for turbine with proratio and test times
added reporting for multi well in permanent production
added rpn code
added ability to import line speed into cmp
- Version 5.9.09 fixed real time slave
fixed multi rate sub 1 second programming
added depth entry through graph2
added ability to set accum rate screens in perm sample rate
added new gradient report with saving capabilities
Version 6.0.0 fixed print routine using new unit values for gas
Version 6.0.1 fixed compensation for gopher quartz broken after 5.9.3
fixed compensation for 2 surface quartz channel
Version 6.0.2 fixed change serial number to new format for version 1 hawks
fixed permanent multi well recal when not starting with well 0
changed debug settings to new format
- Version 6.0.3 removed presentation from perm mode 2
FIXED DEPTH WHEN PLOTTING -1000000000
AUTO RECALC WHEN CHANGING START TIME IN BIN FILE
Added sample report files
- Version 6.0.4 on separator mode there is no merge
fixed crashing when computer in Chinese mode for surface box
fixed depth importing and added ignore row feature
added manual override of BSW
- Version 6.0.5 added ability to import line tension into cmp
- Version 6.0.7 fixed unloading form in frmflowstart_DCR
added quartz serial numbers on view program
- Version 6.0.8 fixed 24 hour pres, temp, diff averages making them flow weighted

Version 6.0. added gas pressure and meter temp override for 9018 only
turbine meter-factor override for 9018 and 9017 only
added tool to show active com ports

Version 6.1.0 fixed truck mode when exit to main screen while test is running
store report depths in standard unit
fixed bugs in reporting software

Version 6.1.1 fixed bugs for pressure and temp average if there is no gas flow

Version 6.1.2 changed SD card download options screen
fixed bin recalc with report data that is not depth
fixed Chinese language in graph
added accelabar to 9018
changed software for photon basic to not calculate gas
fixed multi well comp when last sample same time as dump time

Version 6.1.3 added permanent rotating display code
turned fast sample rate off for spidiff
made change to page 1 byte a8

Version 6.1.4 fixed liquid and gas accums when there is a bad crc

Version 6.1.5 fixed orifice programming without accelabar

Version 6.1.6 made changes to photon version as per photon
added turbine 2 forward gas feature

Version 6.1.7 changed permanent mode sign in operator doesn't need password
permanent mode check mmc file to see if correct type
changed configuration to all users directory

Version 6.1.8 changed permanent configuration for calwin to new style
added low powered diff calculations for hawk 9000
removed h2s from edit orifice in file

Version 6.1.9 added turbine 4
added nan checking for permanent on rtd, diff and flow
fixed bug with changing selected column on graph to update right away
added start and stop test reset on permanent group well graph
added auto well recomp of all mmc files to permanent single well report

Version 6.2.0 fixed get program from file to work on mmc dump

Version 6.2.1 changed bsw from int to single
fixed spidiff in realtime
added turbine 4 to realtime
added monthly 24 hour selection to group well

Version 6.2.2 For 9003 with spidiff fixed number of samples
made maximum storage rate on permanent 5 minutes
removed gradient from old graph

Version 6.2.3 added new update gas parameter command for 4.57>
took none out of surfsetup if diff is used
improved radio and raven tool wakeup routine

Version 6.2.5 fixed permanent multi well for data with new test &h40 and no data
made it so once wells in multi well are deleted they won't process again
fixed view manifest on rpn view program

Version 6.2.6 display Monthly totals on permanent
on multi single well batch check if file has more than 4096 bites
changed max sample rate on hawk 9000 to 15 minutes

- added toolmodel 9029 and 9030
- added new resize ocx 4.1
- Version 6.2.7 added erase file after update to mmc
- added sample rate update on mmc for hawk 9000
- fixed batch recalc for production and added a table of batched wells
- Version 6.2.8 fixed rpn recalc mode to handle different native units
- added rpn mode to hawk 9000
- made repairs to gradient software
- Version 6.2.9 changed reset time to be before reset schedule on permanent program
- changed if reset time negative then recommend resetting logs on permanent
- Version 6.3.0 added 10 second store on permanent
- turned on beta graph
- started changing code to remove common dialog 32
- Version 6.3.1 fixed bug with view differential
- Version 6.3.2 made last half of page four turbine 1 &hff to fix crc problem on comp
- if no turbines then tool options 2 bite = 0
- Version 6.3.4 added v-cone
- allowed propane to be up to 1 on 9003
- fixed problem if no gas flow pressure average was half
- Version 6.3.5 fixed problem if no liquid accums on permanent it is still shown as 0
- turned help on in permanent mode
- put in code for 9000 ht
- Version 6.3.6 fixed hydrostatic report for hst
- Version 6.3.7 changed error message on merge file if channels different
- added delta and real time to max pres & temp on graph
- added code to simplify hydrostatic testing
- added bit for numeric error codes on hawk for Chinese language
- added code for permanent if liquid media is corrupt it is totaled anyway
- fixed code for sro's to build polynomial for quartz properly
- Version 6.3.9 fixed error in 6.3.8 to recompensate badger and hawk properly
- Version 6.4.0 added directive 17 reporting for permanents
- Version 6.4.1 fixed sro gopher to work with quartz
- fixed auto email to work with emailing bin file on batch reporting
- fixed ascii depth import to accept fractions of a second
- Version 6.4.2 fixed email bug from 6.4.1 when sending bin file by email
- Version 6.4.3 added instantaneous values for hawk 9500
- Version 6.4.4 fixed depth gradient on old graph
- added 25 ms for surface quartz &h161
- check for same sample point in manual depth entry
- fixed differential zero flow setting for 9003
- added ability to change differential flow setting in software tools
- fixed view program for turbine 3
- Version 6.4.7 fixed permanent error code checking if crc is bad
- added 4 to 20 values to view program
- fixed rpn code if no channels are displayed
- erase arrays after recomp for standard and permanent
- new real time beta

Version 6.4.8 made new release to fix bug in rpn code channels reversed

Version 6.4.9 made new release to fix bug in firmware

Version 6.5.0 new code for Photon Basic

Version 6.5.1 removed line in build min max for internal and diff channel title
 auto email permanent if bin file is selected and email off doesn't email
 changed real time deadweight from max 1 decimal point to 2

Version 6.5.2 added code to beta graph to use or not use common axis for same unit

Version 6.5.3 changed clipboard code to clear clipboard if it already has a metafile
 changed gradient report if no depth auto goes to depth & back to gradient
 fixed error in test information when saving to cmp
 added code to real time graph to use or not use common axis for same unit
 made save directory in SaveFile2 sub default_directory\data
 changed comment report print output in old graph comment report

Version 6.5.4 add initial code for auxiliary channel programming 9000 and 9500
 add compensation code for auxiliary channel permanent 9000 and 9500
 added sub to build Filo_CMP_Data_Byte_Array in new_recalc_permanent
 fixed original graph output to say real time in title not delta time
 for gas and liquid accum first value in file forced to zero
 added error code checking for i2c quartz and diff on 9003 hawk
 fixed runtime err13 when printing hydrostatic rpt with no selected points
 added 9033 to code
 hydrostatic mode administrator has warning instead of password
 added reporting units to hydrostatic operator mode
 added m³ to gas flow
 removed code from compensate data bin_array(2,x)deleted items
 changed layout of config screen
 added capability to write bytes to tool in debug
 added capability to view a page from tool in hex

Version 6.5.5 Fixed hydrostatic error when all data had been compensated
 Changed warning for tool if turbine crc is bad
 If turbine crc in tool is bad made so new turbine cal must be inserted
 Added download from tool to hst.
 Added HST firmware to firmware update
 for hst check if last test comped is same as new test else overwrite
 fixed hst comp if bad data and missing test number

Version 6.5.6 added user mode titles to header on main page
 changed header on hydrstatic plot to use a table
 changed hydrostatic print to use graph print call
 set up program and dump for extreme wolverine
 Check isnumeric for real time axis min max
 add set font to real time table
 added 2" to accelabar

- removed gross calculation from 9500 selection
- fixed orifice type selection so it shows previous programmed values
- Version 6.5.7 added recovery cone cd and liquid density for model 9033
- changed 9018 with v-cone meter min and max are .45 to 200
- Version 6.5.8 fixed reporting for liquid totalizer
- Version 6.5.9 added flow offset for micrometer
- added error checking on 9003 for gopher aux and rpn channels
- added test email button to email setup
- set proratio value to 1 and not visible for toolmodel 9033
- Version 6.6.0 removed admin password for permanent production
- fixed gas calcs on for ex gas totalizer with fixed pres & temp
- added v-cone to software flow checking and show that it is 24 hour
- fixed advanced ascii fill in missing records if one file has no more data*
- added signal averaging to form radio signal
- fixed fixed rate number of samples used to calculate duration
- Version 6.6.1 fixed hydrostatic dump if only one test on unit
- added comment report to beta graph
- removed check for pressure on 24 hour and air flow test
- changed Header data storage to new report system
- Version 6.6.2 changed gigasoft comments to print using gigasoft subsets
- added liquid rates to micrometer in surfset and view programs
- Version 6.6.3 added min and max to beta graph
- added 32 bit crc to i2c quartz cal and expanded size to 6 pages
- for i2c quartz new cal format lower version software gives err 6 overflow*
- Version 6.6.4 fixed pdf graph error in graph2 conver emf
- made real time graph with gas flow show blue green and red
- Version 6.6.5 real time and reporting not allowed with permanent tools
- added program same to program with same program and only erase tool
- added hawk 9000 save by
- fixed restart with configuration changes ex(hydrostatic to standard)
- Version 6.6.6 no 6.6.6 made
- Version 6.6.7 made to add new csmath and new csbinutil 6.6.5 install problem xp sp2
- Version 6.6.8 added v-cone to hawk 9000
- andrew fixed rounding in poly coefficient calcs in csmath
- fixed select start and end in beta graph to stay when unzooming
- added retrieve turbine calibration from bin file
- changed view modbus on permanent tool viewprogram
- added ability for 9003 to display acf/min
- added gas settings to program same
- Version 6.6.9 new firmware
- Version 6.7.0 added command for erase only data for program same
- added comments to hydrostatic test

- changed depth ascii loader to show it is working
- added v-cone hardware verification though other
- added pressure and temperature to 4-20
- Version 6.7.1 standard tool merge I corrected the start time if later time picked 1st
- added station pressure on sufsetup that can use altitude
- moved station pressure on downhole to page d and crc32'd
- on downhole crc16'd the program schedule
- on permanent don't erase unless uwi or channels have changed
- added erase memory and well log to selectable screen
- changed compensation to put cmp file in same directory as bin file
- move Static Gradient to new chart
- change header entry for graphs under reporting
- added packer isolation test
- Version 6.7.2 fixed manual depth so it will store
- added time shift
- added rec file import
- fixed import ascii depth if there is no overlapping times
- removed programming error for samples on tool for permanent hawks
- Version 6.7.3 added total accum for 24 hour flow extrapolation report