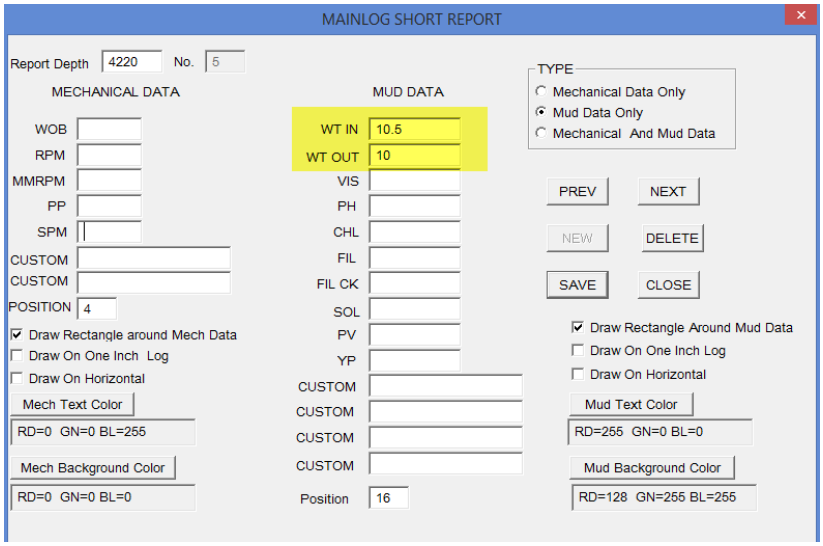
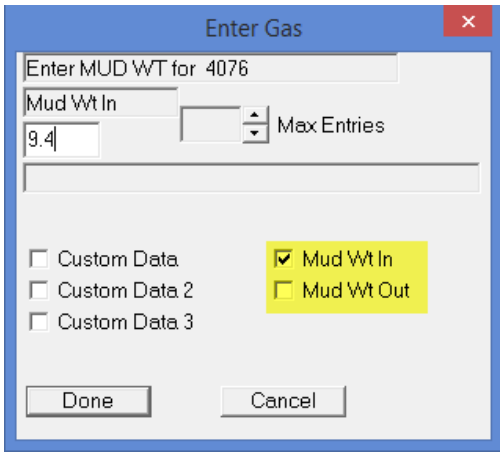
Dear Clients,

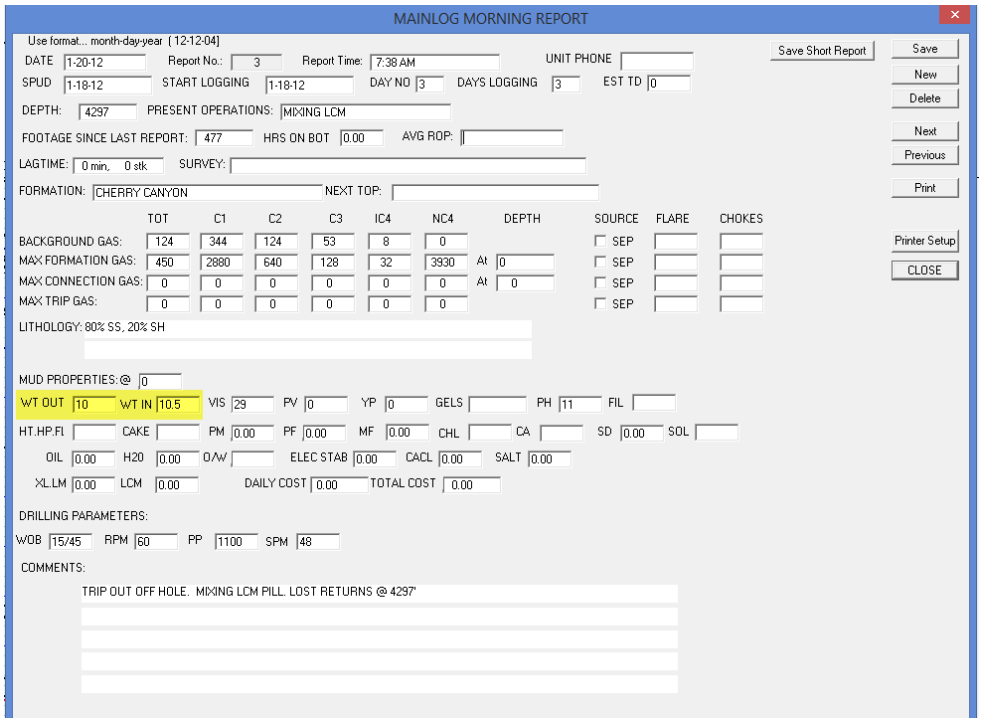
We are getting requests to have **Mud Weight In** added to the log reports just as we currently have **Mud Weight Out** on the log. In response to this we have added it to the Morning Report and Short Report dialogs. Both mud weights can easily be displayed on the log in a couple of different ways and both will be in the LAS file.

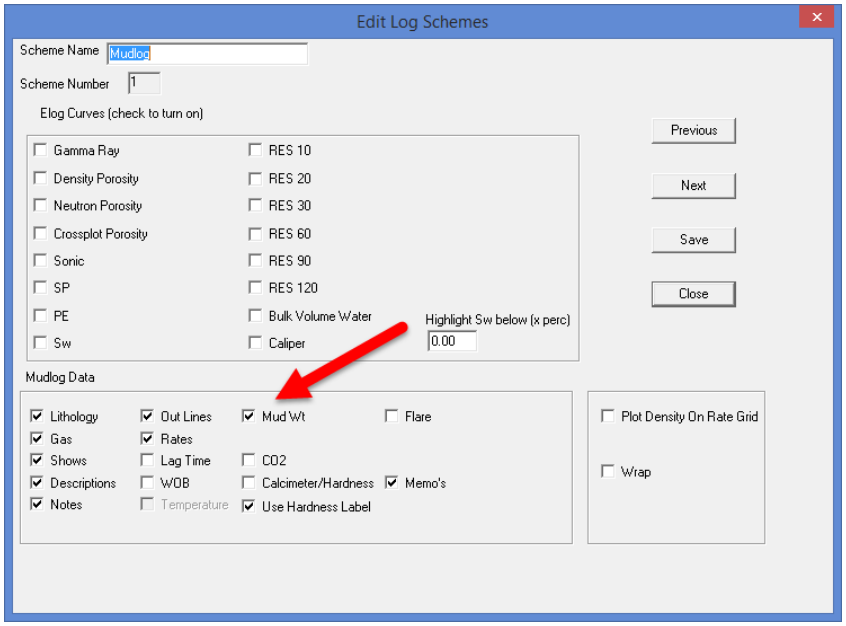
An easy way to have mud weights displayed on the log and be added to the LAS file, is to create a **Short Report** with just Mud Weight In and Mud Weight Out entered. The next time you need to display it on the log just go to that report, click **New,** enter the **Depth,** make any changes to the **mud weight** values and click **Save**. Being a Short Report the font color and background color can be changed. The short report can easily be moved around, displayed on the one inch log or the horizontal log, and being entered on a Short Report, it will be added to the LAS file. We believe this is a much faster way to display it on the log rather than creating it from a "memo", **and if mud weights are only entered as a memos they will NOT be posted to the LAS file**.

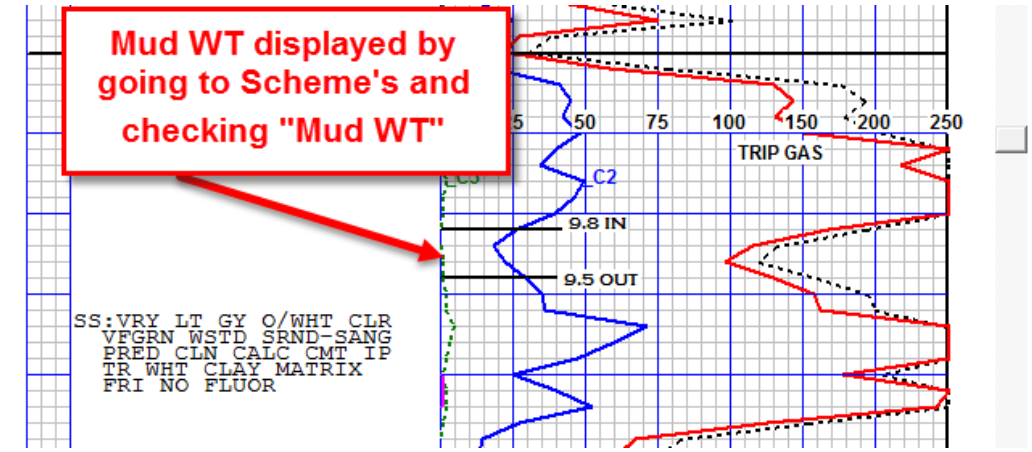


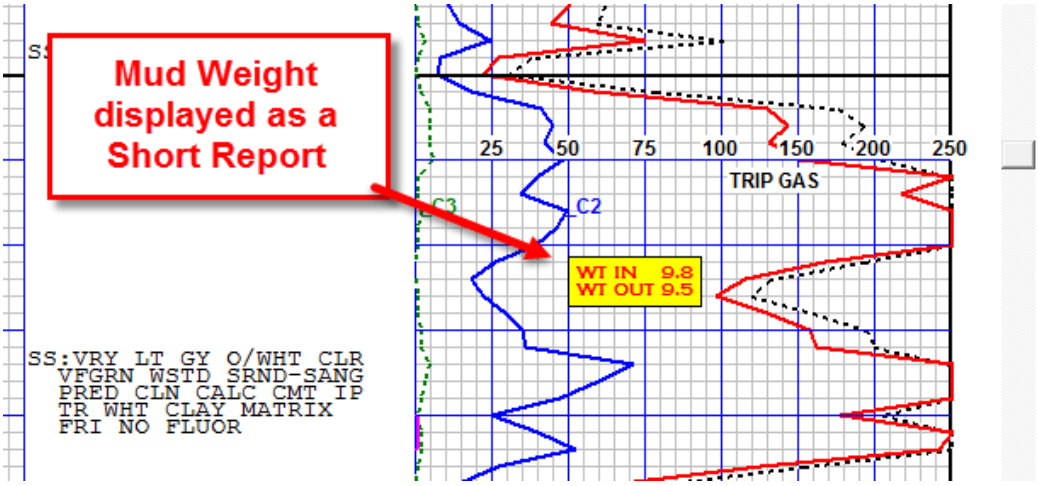
Mud weights can also be entered in **manually,** as well as, on the **Morning Report**. They will be added to the LAS file at the depth entered and carried down until a new value is entered at a different depth. They can be displayed on the log by going to **Schemes** and checking the box "**Mud WT**"; they will be displayed in the gas column.


Enter Gas
Enter MUD WT for 4076
Mud Wt In
9.4
Max Entries
Custom Data
Custom Data 2
Custom Data 3
Mud Wt In
Mud Wt Out
Done
Cancel


MAINLOG MORNING REPORT
Use format... month-day-year (12-12-04)
DATE 1-20-12 Report No.: 3 Report Time: 7:38 AM UNIT PHONE
SPUD 1-18-12 START LOGGING 1-18-12 DAY NO 3 DAYS LOGGING 3 EST TD 0
DEPTH: 4297 PRESENT OPERATIONS: MIXING LCM
FOOTAGE SINCE LAST REPORT: 477 HRS ON BOT 0.00 AVG ROP:
LAGTIME: 0 min, 0 stk SURVEY:
FORMATION: CHERRY CANYON NEXT TOP:
TOT C1 C2 C3 IC4 NC4 DEPTH SOURCE FLARE CHOKES
BACKGROUND GAS: 124 344 124 53 8 0 SEP
MAX FORMATION GAS: 450 2880 640 128 32 3930 At 0 SEP
MAX CONNECTION GAS: 0 0 0 0 0 0 At 0 SEP
MAX TRIP GAS: 0 0 0 0 0 0 SEP
LITHOLOGY: 80% SS, 20% SH
MUD PROPERTIES: @ 0
WT OUT 10 WT IN 10.5 VIS 29 PV 0 YP 0 GELS PH 11 FIL
HT.HP.FL CAKE PM 0.00 PF 0.00 MF 0.00 CHL CA SD 0.00 SOL
OIL 0.00 H20 0.00 O/W ELEC STAB 0.00 CACL 0.00 SALT 0.00
XL.LM 0.00 LCM 0.00 DAILY COST 0.00 TOTAL COST 0.00
DRILLING PARAMETERS:
WOB 15/45 RPM 60 PP 1100 SPM 48
COMMENTS:
TRIP OUT OFF HOLE. MIXING LCM PILL. LOST RETURNS @ 4297'
Save Short Report
Save
New
Delete
Next
Previous
Print
Printer Setup
CLOSE


Edit Log Schemes
Scheme Name Mudlog
Scheme Number 1
Elog Curves (check to turn on)
Gamma Ray
Density Porosity
Neutron Porosity
Crossplot Porosity
Sonic
SP
PE
Sw
RES 10
RES 20
RES 30
RES 60
RES 90
RES 120
Bulk Volume Water
Caliper
Highlight Sw below (x perc)
0.00
Previous
Next
Save
Close
Mudlog Data
Lithology
Gas
Shows
Descriptions
Notes
Out Lines
Rates
Lag Time
WOB
Temperature
Mud Wt
CO2
Calcimeter/Hardness
Use Hardness Label
Flare
Memo's
Plot Density On Rate Grid
Wrap





Remember that when these values are entered in on the Morning Report, Short Report or entered in manually they will be put in the LAS file.

NOTE: MainLog will "fill in the gaps" between mud weights changes in the LAS file. By doing so, you can create an LAS file from MainLog and import Mud Weight In or OUT as a "Custom" and add them as a curve on a Custom Track.

Again if the mud weights are entered in manually, or in a Morning or Short Report they will automatically be added to the LAS file. By just doing a memo with the Mud Weights they will not be added to the LAS file.