

Memo

To: All Engineering and Survey AutoCAD Users
From: Tom Hanley
Date: 9/12/2002
Re: Block Symbols Procedures

The Problem...

One of the nagging problems with using blocks in our scaled drawings is that when blocks appear in multiple viewports of different scales, the size of the block is either too large or small in one or the other viewport. In the past, we have tried to overcome this by creating another layer and reinserting the block on that layer at proper scale for the viewport used. One problem with this technique is that the blocks become misaligned when moving a block in one viewport.

A Solution...

Usually, the differences in our scales are in factors of 2. I have changed the well symbol to incorporate dual scale factors as well as text masking within one block. The procedure for inserting the block is the same as before but now two scaled sizes of the well symbol is built into the block. You would insert the block, as before, on either "well" for an existing well or "pr-well" for proposed. The block is built using two layers (*well1x* & *well2x*). Freezing one of these layers in a viewport is the method for choosing the correct scale of the block. When the block is inserted, the symbol drawn on layer *well1x* is the same size as the current well symbol.

Reminder...

All layers should be on and thawed in Model Space, just as before. Also, If the block "well" exists in the drawing already, it must be reinserted and redefined to the new block definition for this technique to work.

If you need any further explanation or have any questions about this procedure do not hesitate to call me. I will be modifying other blocks as time permits and will keep you posted as they are changed.

Thank You,

Tom Hanley