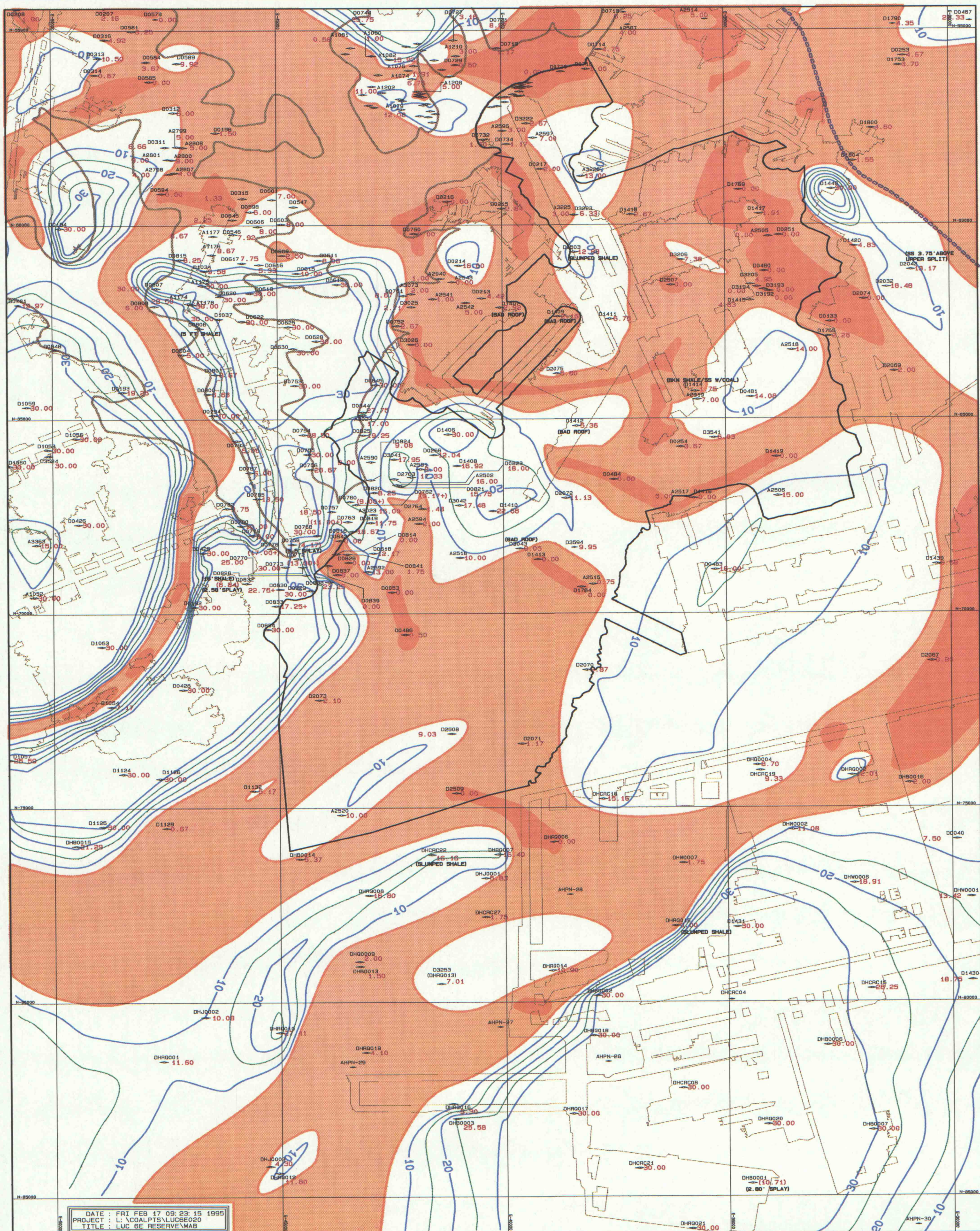




HELVETIA COAL CO. LUCERNE NO.6E UPPER FREEPORT SEAM SHALE THICKNESS WITHIN FIRST 30 FT ABOVE COAL

NOTE: VALUES IN PARENTHESES ARE NOT USED IN CONTOURING.
: SHALE THICKNESS VALUES NOTED ON MAP IN BOLD BLACK PRINT ARE FOR HOLES WITH LESS THAN 30 FT OF COVER.

SANDSTONE WITHIN 5 FT OF COAL
SANDSTONE DIRECTLY OVERLYING COAL

CONTOUR INTERVAL = 5 FT.

GRAPHIC SCALE 1"=2000'

PERMIT BOUNDARY
TRANSITION ZONE (SPLIT LINE)
UPPER FREEPORT CROPLINE

