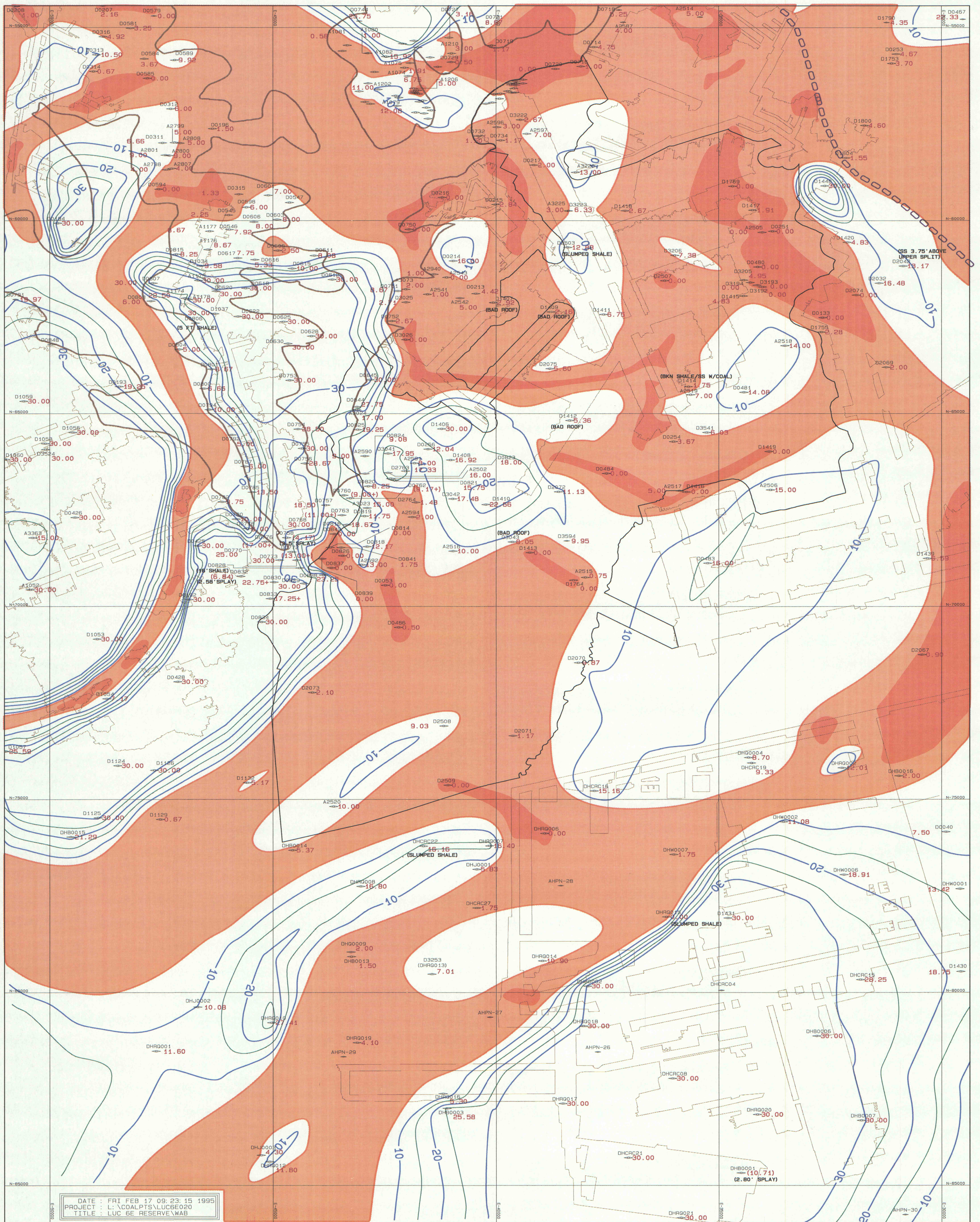




HELVETIA COAL CO. LUCERNE NO.6E UPPER FREEPORT SEAM SHALE THICKNESS WITHIN FIRST 30 FT ABOVE COAL

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.

CONTOUR INTERVAL = 5 FT.

- PERMIT BOUNDARY
- TRANSITION ZONE (SPLIT LINE)
- UPPER FREEPORT CROPLINE

- SANDSTONE WITHIN
5 FT OF COAL.
- SANDSTONE DIRECTLY
OVERLYING COAL

