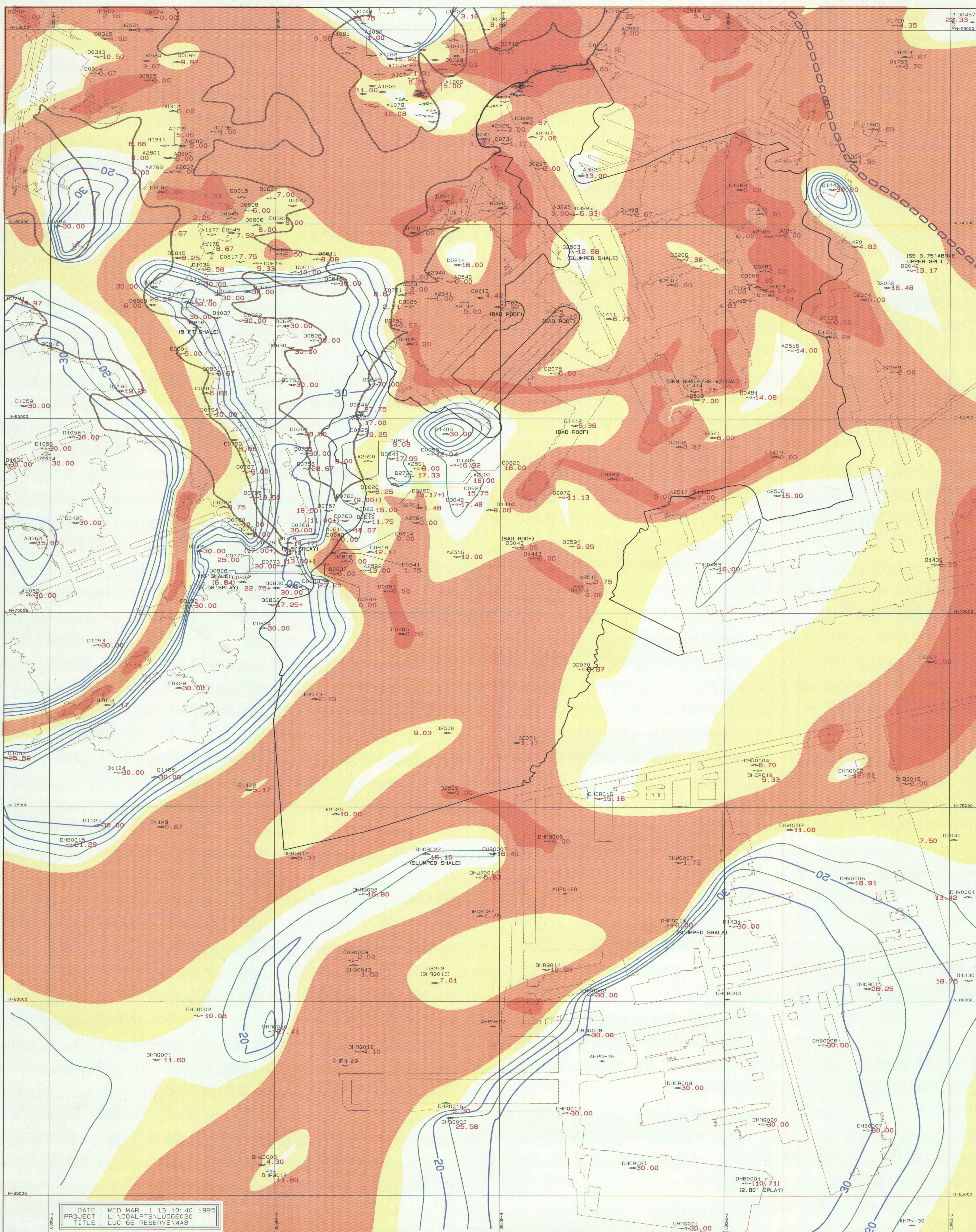




HELVETIA COAL CO. LUCERNE NO.6E UPPER FREEPORT SEAM SHALE THICKNESS

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

GRAPHIC SCALE 1"=1000'
 0 1000 2000 3000

IMAPS# 09767