

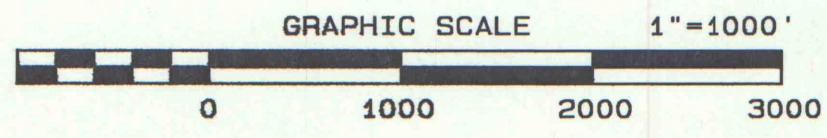


HELVETIA COAL CO. LUCERNE NO.6E UPPER FREEPORT SEAM MINEABLE COAL THICKNESS

CONTOUR INTERVAL = 3 IN.

NUMBERS IN PARENTHESES NOT CONTOURED
(35.00) THICKNESS ASSUMED REDUCED BY POST-DEPOSITIONAL SANDSTONE CHANNELING
(42.00) THICKNESS ASSUMED TO EXCLUDE BOTTOM "RASH"
(27.00) ASSUMED THINNING DUE TO NEARNESS TO CROP

- + 44.00 IN-MINE MEASUREMENT
- PERMIT BOUNDARY
- 0" ISOPACH - BOTTOM "RASH"
- ooooooooooooo TRANSITION ZONE (SPLIT LINE)
- UPPER FREEPORT CROPLINE



IMAPS# 09441