



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

WITHIN FIRST 30 FT ABOVE COAL

0 FT SHALE ISOPACH

5 FT SHALE ISOPACH

10 FT SHALE ISOPACH

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



IMAPS#09406