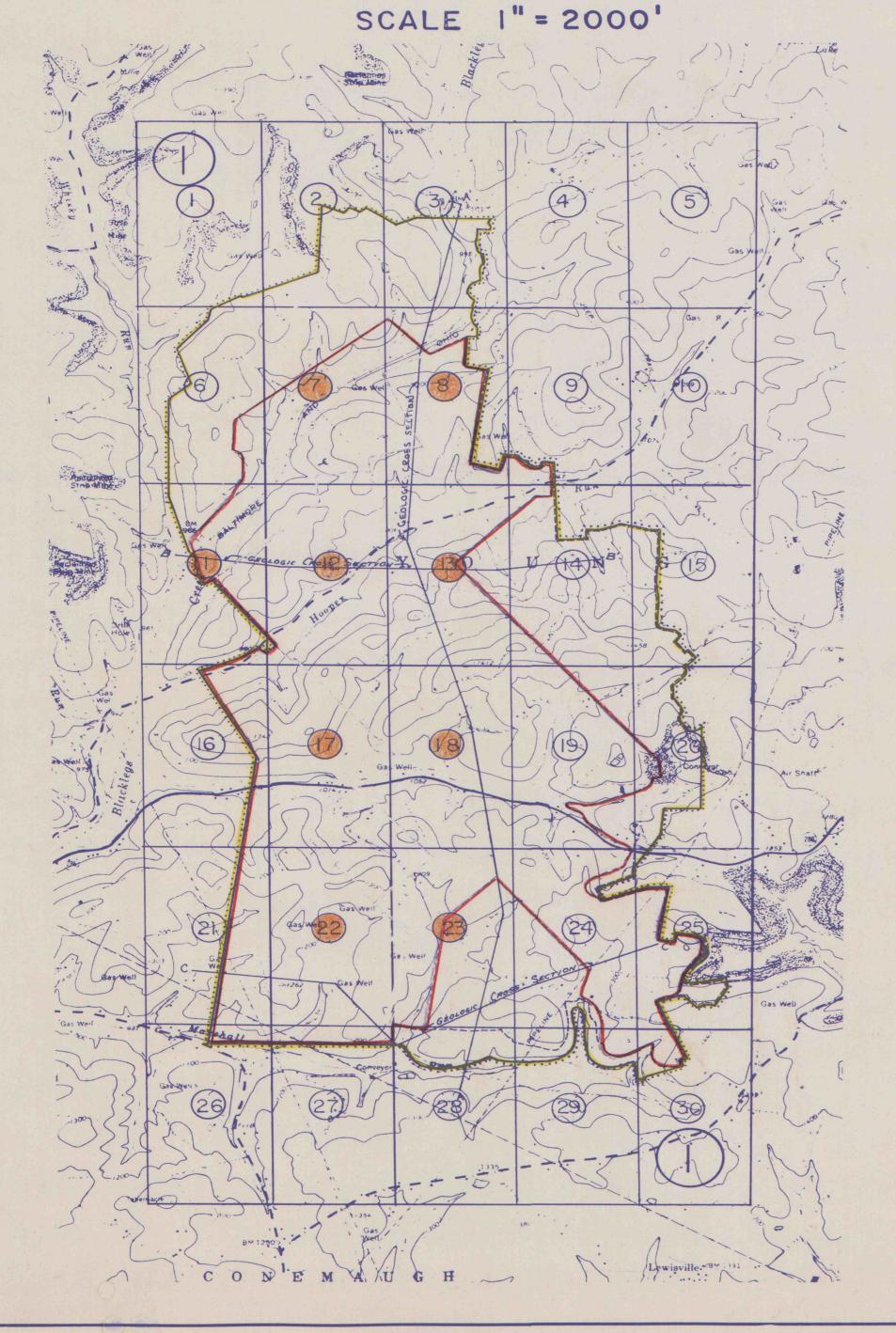
SUBSIDENCE PERMIT BOUNDARY INDEX FOR I" = 100 MAPS McINTYRE USGS QUADANGLE

= MAPS SUBMITTED





HELVETIA COAL COMPANY

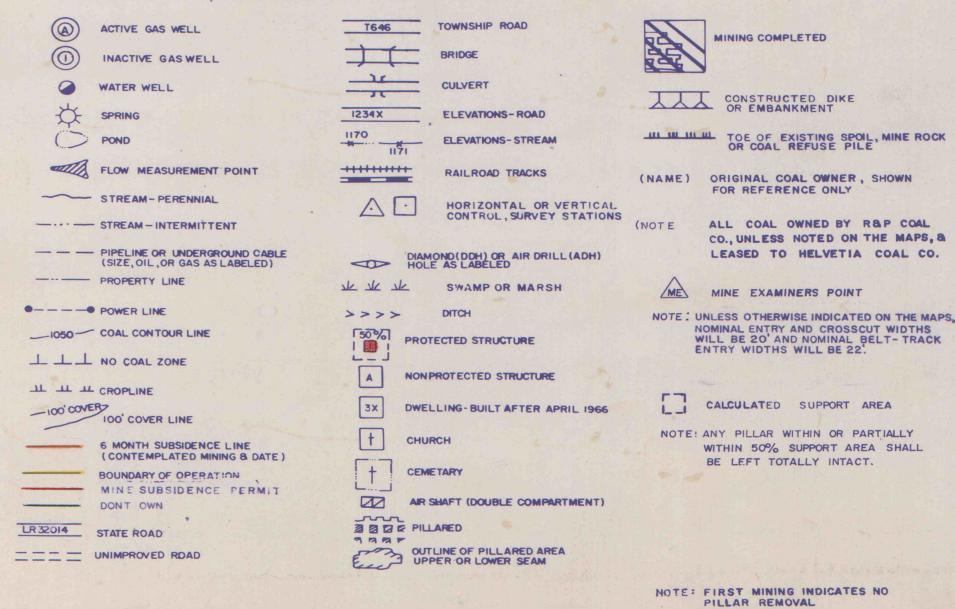
LUCERNE NO. 8 MINE PERMIT NO. 32841320 UPPER FREEPORT (E SEAM) YOUNG TOWNSHIP INDIANA COUNTY, PENNA. MSHA-ID 36-04597 POSTING DATE 5-25-93



PREPARED BY MICHAEL P. KEITH

MAPS DEPICT CONTEMPLATED MINING FROM 7-1,1993 TO 1-1,1994

LEGEND FOR MAP SYMBOLS



FOR REFERENCE ONLY

MINE EXAMINERS POINT

CALCULATED SUPPORT AREA

BE LEFT TOTALLY INTACT.

PILLAR REMOVAL

WITHIN 50% SUPPORT AREA SHALL

ALL COAL OWNED BY RAP COAL

CO., UNLESS NOTED ON THE MAPS, &

LEASED TO HELVETIA COAL CO.

NOMINAL ENTRY AND CROSSCUT WIDTHS WILL BE 20' AND NOMINAL BELT-TRACK ENTRY WIDTHS WILL BE 22'.