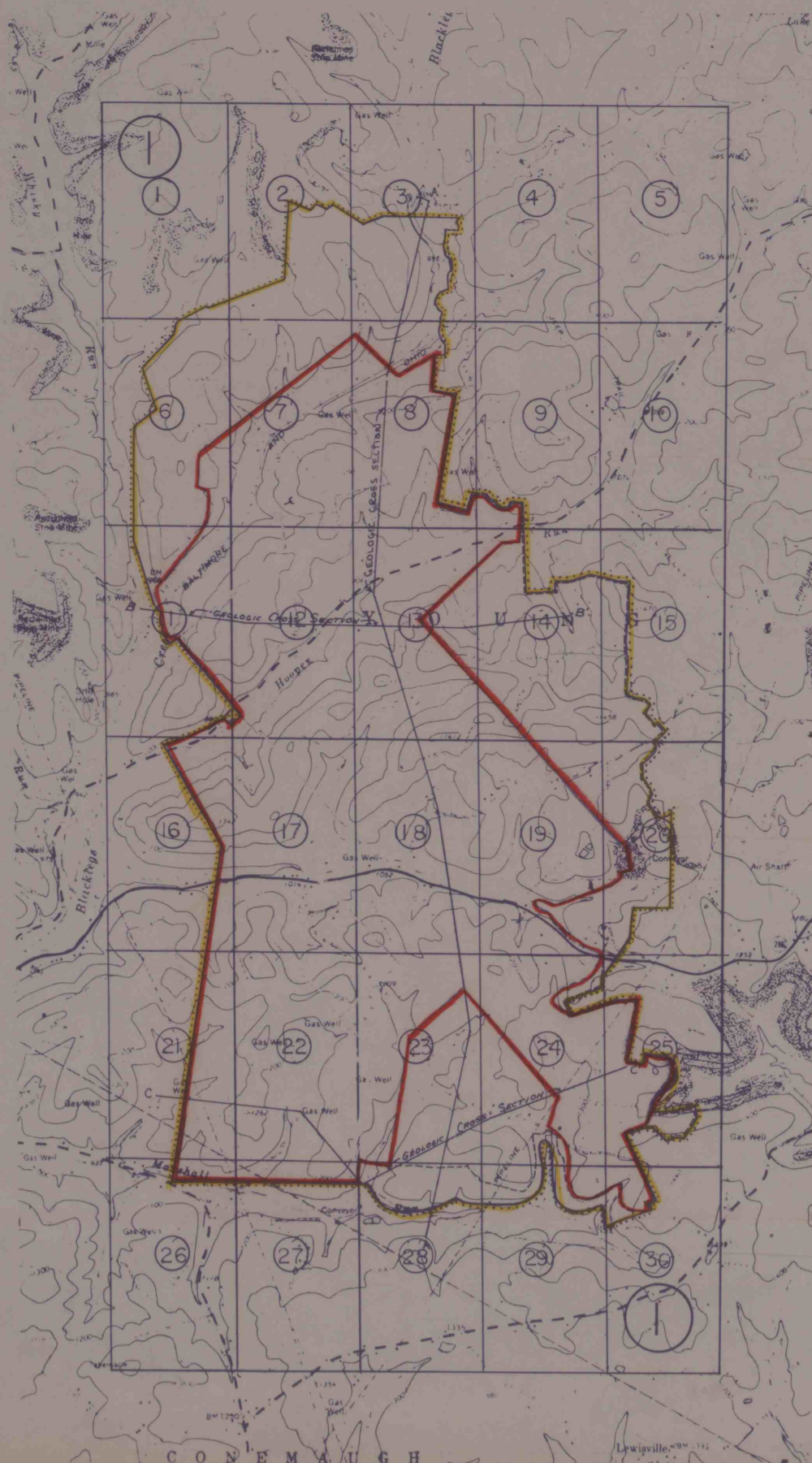


SUBSIDENCE PERMIT
BOUNDARY
INDEX FOR 1" = 100' MAPS
McINTYRE
USGS QUADANGLE

○ = MAPS SUBMITTED
SCALE 1" = 2000'



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 **FINAL MINE MAP**
11-10-94

SEAL —



SIGNATURE

David E. Yingling

PREPARED BY **MICHAEL P. KEITH**

MAPS DEPICT CONTEMPLATED MINING

FROM _____, 19____ **FINAL MINE MAP**

TO _____, 19____ **11-10-94**

LEGEND FOR MAP SYMBOLS

(A) ACTIVE GAS WELL	TS46 TOWNSHIP ROAD	RECEIVED DEC 02 1994 MINING COMPLETED Environmental Resources District Office
(I) INACTIVE GAS WELL	BRIDGE	CONSTRUCTED DIKE OR EMBANKMENT
● WATER WELL	CULVERT	TOE OF EXISTING SPOIL, MINE ROCK OR COAL REFUSE PILE
☀ SPRING	1234X ELEVATIONS-ROAD	(NAME) ORIGINAL COAL OWNER, SHOWN FOR REFERENCE ONLY
☀ POND	1170 ELEVATIONS-STREAM	(NOTE) ALL COAL OWNED BY R&P COAL CO., UNLESS NOTED ON THE MAPS, & LEASED TO HELVETIA COAL CO.
▲ FLOW MEASUREMENT POINT	RAILROAD TRACKS	△ MINE EXAMINERS POINT
— STREAM - PERENNIAL	△ HORIZONTAL OR VERTICAL CONTROL, SURVEY STATIONS	NOTE: UNLESS OTHERWISE INDICATED ON THE MAPS, NOMINAL ENTRY AND CROSSCUT WIDTHS WILL BE 20' AND NOMINAL BELT-TRACK ENTRY WIDTHS WILL BE 22'.
--- STREAM - INTERMITTENT	◇ DIAMOND (DDH) OR AIR DRILL (ADH) HOLE AS LABELED	□ CALCULATED SUPPORT AREA
--- PIPELINE OR UNDERGROUND CABLE (SIZE, OIL, OR GAS AS LABELED)	≡ SWAMP OR MARSH	NOTE: ANY PILLAR WITHIN OR PARTIALLY WITHIN 50% SUPPORT AREA SHALL BE LEFT TOTALLY INTACT.
--- PROPERTY LINE	--- DITCH	
● POWER LINE	50% PROTECTED STRUCTURE	
--- COAL CONTOUR LINE	□ NONPROTECTED STRUCTURE	
--- NO COAL ZONE	3X DWELLING-BUILT AFTER APRIL 1966	
--- CROPLINE	† CHURCH	
--- 100' COVER LINE	† CEMETARY	
--- 6 MONTH SUBSIDENCE LINE (CONTEMPLATED MINING DATE)	□ AIR SHAFT (DOUBLE COMPARTMENT)	
--- BOUNDARY OF OPERATION	□ PILLARED	
--- MINE SUBSIDENCE PERMIT DON'T OWN	□ OUTLINE OF PILLARED AREA UPPER OR LOWER SEAM	
LR32014 STATE ROAD		
--- UNIMPROVED ROAD		

NOTE: FIRST MINING INDICATES NO
PILLAR REMOVAL