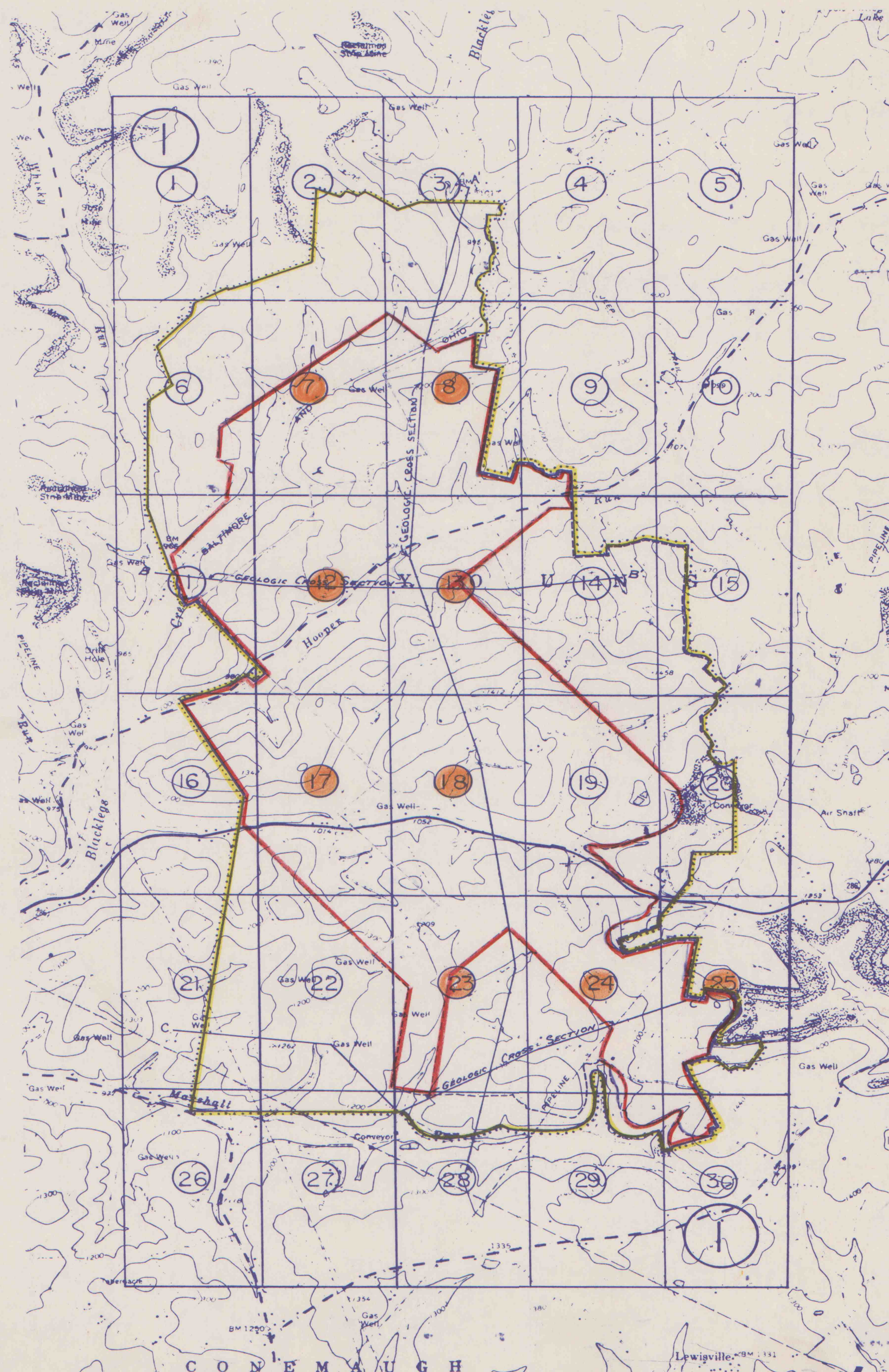


SUBSIDENCE PERMIT
BOUNDARY
INDEX FOR 1" = 100' MAPS

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 7-1-90

SEAL —



SIGNATURE

PREPARED BY HARRY L. BRESKI

MAPS DEPICT CONTEMPLATED MINING

FROM 7-1, 1990

TO 1-1, 1991

LEGEND FOR MAP SYMBOLS

(A) ACTIVE GAS WELL	T646 TOWNSHIP ROAD	(MINE) MINING COMPLETED
(I) INACTIVE GAS WELL	BRIDGE	(D) CONSTRUCTED DIKE OR EMBANKMENT
WATER WELL	CULVERT	(S) TOE OF EXISTING SPOIL, MINE ROCK OR COAL REFUSE PILE
SPRING	ELEVATIONS-ROAD	(NAME) ORIGINAL COAL OWNER, SHOWN FOR REFERENCE ONLY
POND	ELEVATIONS-STREAM	(NOTE) ALL COAL OWNED BY R&P COAL CO., UNLESS NOTED ON THE MAPS, IS LEASED TO HELVETIA COAL CO.
FLOW MEASUREMENT POINT	RAILROAD TRACKS	(ME) MINE EXAMINERS POINT
STREAM-PERENNIAL	HORIZONTAL OR VERTICAL CONTROL, SURVEY STATIONS	(NOTE) MAXIMUM ENTRY & CROSSCUT WIDTH SHALL BE 20'
STREAM-INTERMITTENT	DIAMOND(DCK) OR AIR DRILL(ADH) HOLE AS LABELED	(NOTE) MAXIMUM WIDTH IN BELT-TRACK ENTRIES SHALL BE 22'
PIPELINE OR UNDERGROUND CABLE (SIZE, OIL, OR GAS AS LABELED)	SWAMP OR MARSH	(CALC) CALCULATED SUPPORT AREA
PROPERTY LINE	DITCH	(NOTE) ANY PILLAR WITHIN OR PARTIALLY WITHIN 50% SUPPORT AREA SHALL BE LEFT TOTALLY INTACT.
POWER LINE	PROTECTED STRUCTURE	(BLUE) BLUE SHADED AREAS ARE THE PILLARS TO BE LEFT IN PLACE TO REPRESENT 50% MINING.
1050 COAL CONTOUR LINE	NONPROTECTED STRUCTURE	
NO COAL ZONE	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	OUTLINE OF PILLARED AREA UPPER OR LOWER SEAM	
DONT OWN		
LR32014 STATE ROAD		
UNIMPROVED ROAD		

NOTE: FIRST MINING INDICATES NO PILLAR REMOVAL