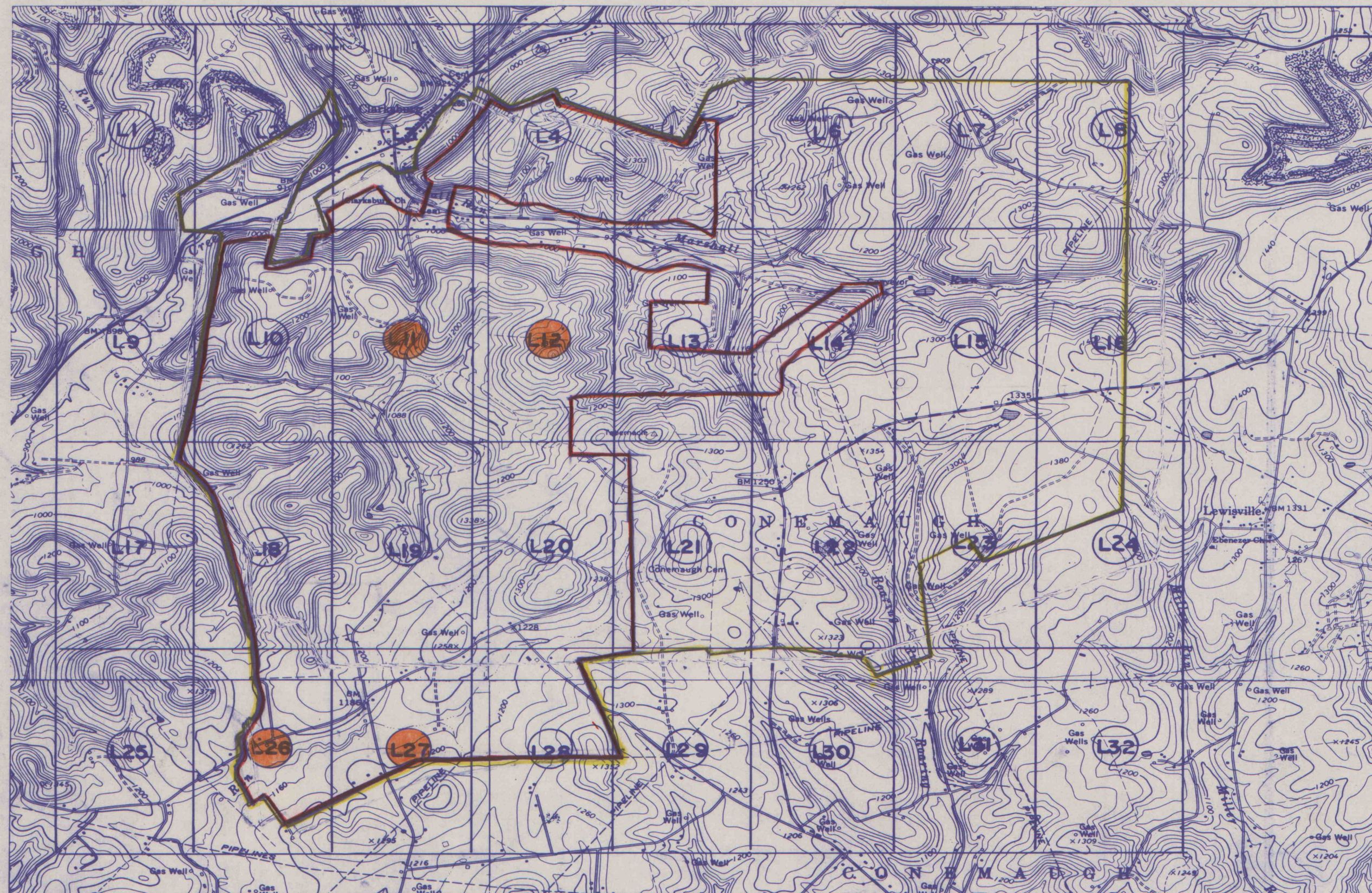


SUBSIDENCE PERMIT
BOUNDARY
INDEX FOR 1" = 100' MAPS
AVONMORE, BLAIRSVILLE, SALTSBURG & MCINTYRE
USGS QUADANGLES

● = MAPS SUBMITTED
SCALE 1" = 2000'



HELVETIA COAL COMPANY

LUCERNE NO. 9 MINE
PERMIT NO. 32841317
LOWER FREEPORT (D-SEAM)
CONEMAUGH TOWNSHIP
INDIANA COUNTY, PENNA.
MSHA I.D. 36-05374
POSTING DATE 6-1-94

SEAL —



SIGNATURE

David E. Yingling

PREPARED BY MICHAEL P. KEITH

MAPS DEPICT CONTEMPLATED MINING
FROM 6-1, 1994
TO 12-1, 1994

LEGEND FOR MAP SYMBOLS

(A) ACTIVE GAS WELL	T646 TOWNSHIP ROAD	Mining Completed
(I) INACTIVE GAS WELL	BRIDGE	CONSTRUCTED DIKE OR EMBANKMENT
WATER WELL	CULVERT	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, & LEASED TO HELVETIA COAL CO.
FLOW MEASUREMENT POINT	RAILROAD TRACKS	MINE EXAMINER'S 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	BM USGS TRIANGULATION	(NOTE) ANY PILLAR WITHIN OR PARTIALLY WITHIN 50% SUPPORT AREA SHALL BE LEFT TOTALLY INTACT.
PIPELINE OR UNDERGROUND CABLE (SIZE, OIL, OR GAS AS LABELED)	DIAMOND (DDH) OR AIR DRILL (ADH) HOLE AS LABELED	BLUE SHADED AREAS ARE THE PILLARS TO BE LEFT IN PLACE TO REPRESENT 50% MINING.
PROPERTY LINE	SWAMP OR MARSH	
POWER LINE	DITCH	
1050 COAL CONTOUR LINE	PROTECTED STRUCTURE	
NO COAL ZONE	NONPROTECTED STRUCTURE	
CROPLINE	DWELLING-BUILT AFTER APRIL 1966	
100' COVER LINE	CHURCH	
6 MONTH SUBSIDENCE LINE (CONTEMPLATED MINING DATE)	CEMETARY	
BOUNDARY OF OPERATION	AIR SHAFT (DOUBLE COMPARTMENT)	
MINE SUBSIDENCE PERMIT	PILLARED	
DON'T OWN	OUTLINE OF PILLARED AREA UPPER OR LOWER SEAM	
STATE ROAD		
UNIMPROVED ROAD		

NOTE: FIRST MINING INDICATES NO PILLAR REMOVAL