

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 12-30-94

SEAL —



SIGNATURE

David E. Vingling

PREPARED BY MICHAEL P. KEITH

MAPS DEPICT CONTEMPLATED MINING

FROM _____, 19__

FINAL MINE MAP

TO _____, 19__

12-30-94

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	E234X ELEVATIONS-ROAD	(NAME) ORIGINAL COAL OWNER, SHOWN FOR REFERENCE ONLY
☀ POND	1170 1171 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	BM USGS TRIANGULATION	CALCULATED SUPPORT AREA
--- PIPELINE OR UNDERGROUND CABLE (SIZE, OIL, OR GAS AS LABELED)	DIAMOND (DDH) OR AIR DRILL (ADH) HOLE AS LABELED	(NOTE) ANY PILLAR WITHIN OR PARTIALLY WITHIN 50% SUPPORT AREA SHALL BE LEFT TOTALLY INTACT.
--- PROPERTY LINE	SWAMP OR MARSH	BLUE SHADED AREAS ARE THE PILLARS TO BE LEFT IN PLACE TO REPRESENT 50% MINING.
--- POWER LINE	DITCH	
1050 COAL CONTOUR LINE	PROTECTED STRUCTURE	
11 11 11 NO COAL ZONE	NONPROTECTED STRUCTURE	
11 11 11 CROPLINE	DWELLING—BUILT AFTER APRIL 1966	
100' COVER 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	
1R 32014 STATE ROAD		
--- UNIMPROVED ROAD		

NOTE: FIRST MINING INDICATES NO PILLAR REMOVAL