

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 6-1-89

SEAL —

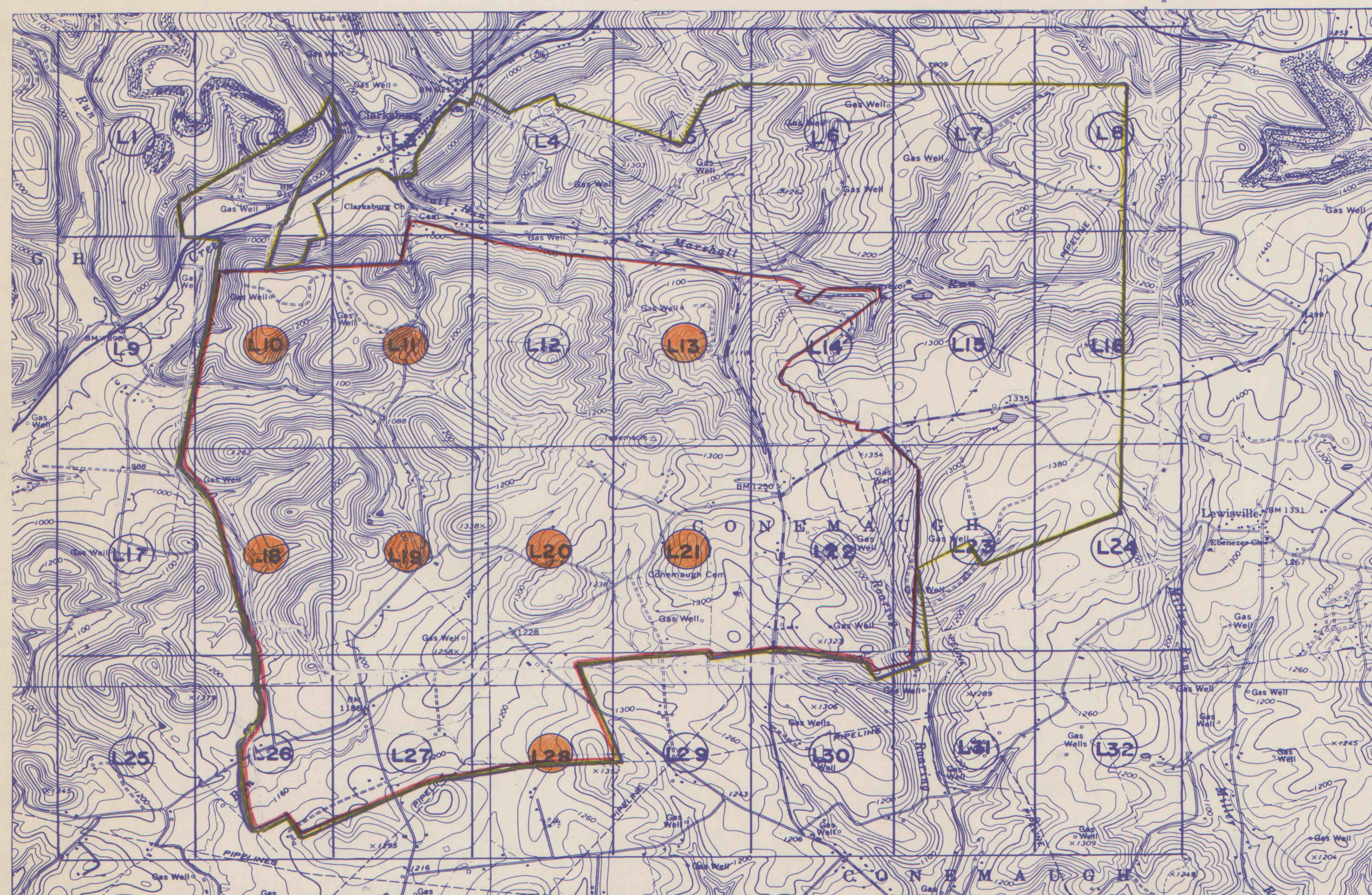
SIGNATURE R. W. HITCHINGS

PREPARED BY

MAPS DEPICT CONTEMPLATED MINING

FROM 6-1, 1989

TO 12-1, 1989



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 EXAMINERS POINT
STREAM - PERENNIAL	HORIZONTAL OR VERTICAL CONTROL, SURVEY STATIONS	NOTE: MAXIMUM ENTRY & CROSSCUT WIDTH SHALL BE 20'
STREAM - INTERMITTENT	BM USGS TRIANGULATION	NOTE: MAXIMUM WIDTH IN BELT-TRACK ENTRIES SHALL BE 22'
PIPELINE OR UNDERGROUND CABLE (SIZE, OIL, OR GAS AS LABELED)	DIAMOND (DDH) OR AIR DRILL (ADH) HOLE AS LABELED	CALCULATED SUPPORT AREA
PROPERTY LINE	SWAMP OR MARSH	NOTE: ANY PILLAR WITHIN OR PARTIALLY WITHIN 50% SUPPORT AREA SHALL BE LEFT TOTALLY INTACT.
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