

SUBSIDENCE PERMIT
BOUNDARY

INDEX FOR 1" = 100' MAPS

AVONMORE, BLAIRSVILLE, SALTSBURG & MCINTYRE
USGS QUADANGLES

○ = MAPS SUBMITTED
SCALE 1" = 2000'

MAINT OFFICE

HELVETIA COAL COMPANY

LUCERNE NO. 9 MINE

PERMIT NO. 32841317

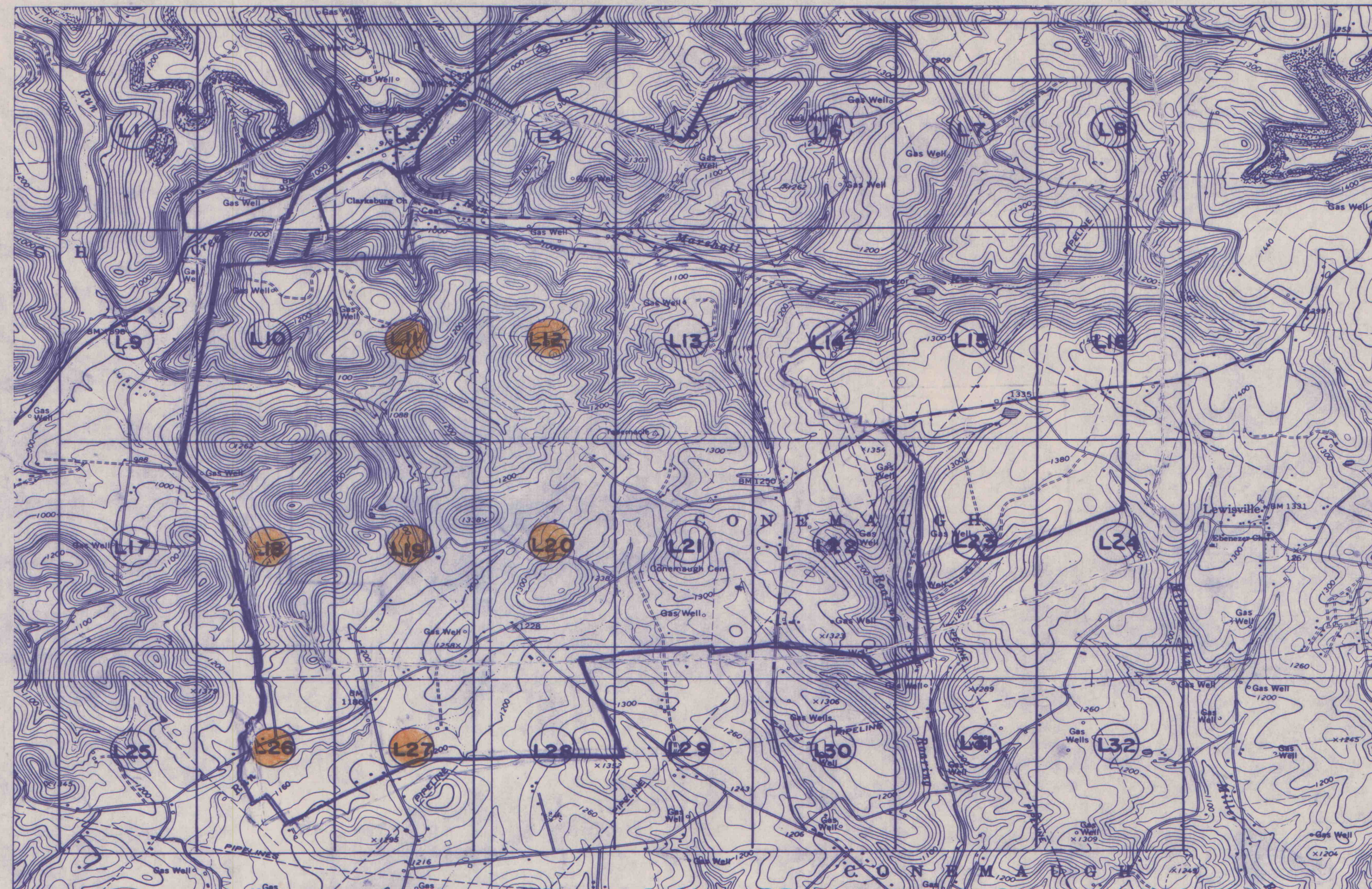
LOWER FREEPORT (D-SEAM)

CONEMAUGH TOWNSHIP

INDIANA COUNTY, PENNA.

MSHA I.D. 36-05374

POSTING DATE 6-1-91



SEAL —



SIGNATURE

David E. Yingling

PREPARED BY **R W HITCHINGS**

MAPS DEPICT CONTEMPLATED MINING

FROM 6-1-91, 1991

TO 12-1-91, 1991

LEGEND FOR MAP SYMBOLS

(A) ACTIVE GAS WELL	TS46 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
SUN 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	BLUE SHADED AREAS ARE THE PILLARS TO BE LEFT IN PLACE TO REPRESENT 50% MINING.
COAL CONTOUR LINE	PROTECTED STRUCTURE	NOTE: FIRST MINING INDICATES NO PILLAR REMOVAL
NO COAL ZONE	NONPROTECTED STRUCTURE	
CROPLINE	DWELLING-BUILT AFTER APRIL 1966	
100' COVER	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		