

HELVETIA COAL COMPANY
MARSHALL RUN MINE
PERMIT NO. 32921302
UPPER KITTANNING SEAM
CONEMAUGH AND YOUNG TOWNSHIPS
INDIANA COUNTY, PENNSYLVANIA
POSTING DATE 3-1-96 TO 9-1-96

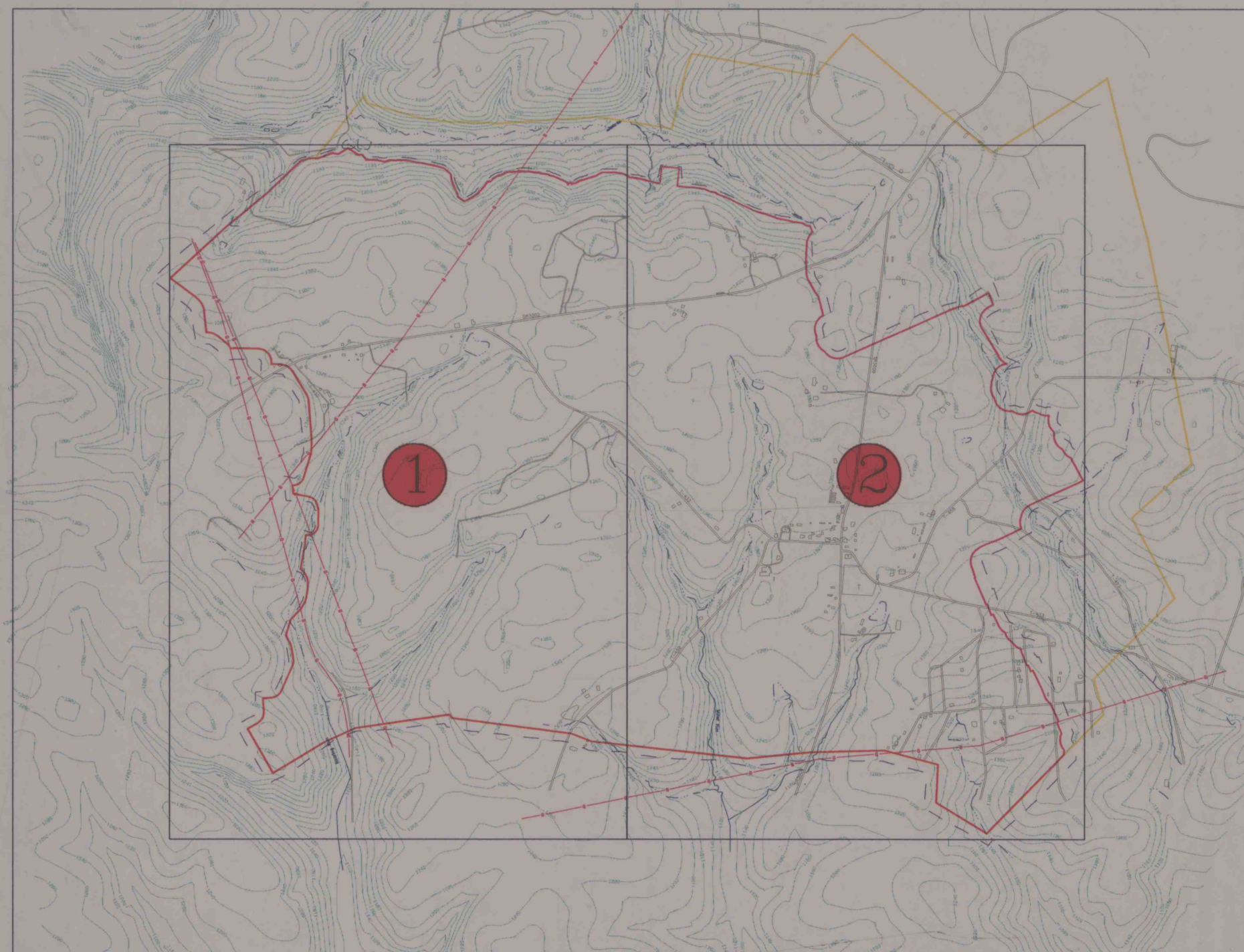
SEAL —



MAPS DEPICT CONTEMPLATED MINING
FROM 3-1-1996
TO 9-1-1996

SIGNATURE *David A Cabaugh*

PREPARED BY MICHAEL P. KEITH



SCALE 1" = 1000'

INDEX FOR 1" = 200' MINE MAPS
MCINTYRE U.S.G.S. QUADRANGLE
● = MAPS SUBMITTED

LEGEND

- | | | |
|--|--|--|
| ○ GAS WELL | ● BOREHOLE (MINE OPENINGS) | — BRIDGE |
| ⊙ WATER WELL | ⬮ DRILL HOLE | — CULVERT |
| ⊙ SPRING | 3x STRUCTURE | — RAILROAD |
| ⊙ POND/IMPONDMENT | 3x PROTECTED STRUCTURE | — SWAMP/MARSH |
| — FLOW MEASUREMENT PT. | ⬡ BACKGROUND GROUNDWATER SAMPLE PT. | >>>> DITCH - OR DRAINS |
| — PERENNIAL STREAM | ⬡ EXISTING GROUNDWATER MONITORING PT. | — TOE OF SPOIL, ROCK OR COAL REFUSE PILE |
| — INTERMITTENT STREAM | ☆ BACKGROUND SURFACE SAMPLE PT. | ⊕ CHURCH |
| — PIPELINE/U-GROUND CABLE size, oil or gas labeled | ⊕ SURFACE WATER MONITORING PT. (existing & proposed) | ⊕ CEMETERY |
| — PROPERTY LINE | P.W.S. PUBLIC WATER SUPPLY | ⊕ PILLARED |
| — POWER LINE (500 KVA or larger) | | [NUMBER] COAL OWNER KEYED TO MODULE 5 |
| — COAL CONTOUR LINE | | name SURFACE OWNER |
| — CROPLINE | | |
| — FAULT or LOW COAL LINE | | |
| — 1000' PERIMETER LINE | | |
| — STATE ROAD | | |
| — TOWNSHIP ROAD | | |
| — UNIMPROVED ROAD | | |

NOTES:

1. SURFACE PROPERTY LINES ARE SUPPLEMENTED BY COUNTY TAX ASSESSMENT MAPS AND ARE NOT BASED ON ACTUAL SURVEY.
2. FIRST MINING INDICATES NO PILLAR REMOVAL.
3. ALL ENTRIES TO BE MINED AT A NOMINAL WIDTH OF 20 FEET EXCEPT BELT/TRACK ENTRIES WHICH ARE TO BE MINED AT 22 FOOT NOMINAL WIDTH.
4. ALL MINING WITHIN 50% MINING AREA IS DONE ON CENTER LINE OF PROJECTIONS.
5. ANY PILLAR THAT FALLS WITHIN OR PARTIALLY WITHIN A 50% AREA SHALL BE LEFT TOTALLY INTACT.

IMAPS 10105

OFFICE