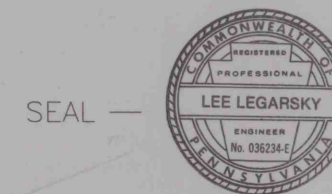


HELVETIA COAL COMPANY
 LUCERNE No. 6 EXTENSION MINE
 PERMIT NO. 32851302
 UPPER FREEPORT ("E" SEAM)
 BLACKLICK AND CENTER TOWNSHIPS
 INDIANA COUNTY, PENNSYLVANIA
 POSTING DATE 12-31-1999



SEAL —

SIGNATURE *Lee Legarsky*
 2/8/00

FINAL MINE MAP

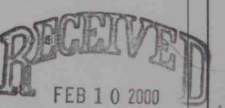
PREPARED BY MICHAEL P. KEITH

LEGEND

- | | | |
|--|--|---|
| — PERMIT BOUNDARY | ● BOREHOLE (MINE OPENINGS) | — BRIDGE |
| — SUBSIDENCE CONTROL PLAN BOUNDARY | ○ DRILL HOLE | — CULVERT |
| — 6 MONTH SUBSIDENCE LINE (CONTEMPLATED MINING & DATE) | — STRUCTURE | — RAILROAD |
| — NO MINING ZONE | — PROTECTED STRUCTURE | — SWAMP/MARSH |
| — DEPTH OF COVER LINE | — BACKGROUND GROUNDWATER SAMPLE PT. | — DITCH - OR DRAINS |
| — PRIOR DEEP AND SURFACE MINING | — EXISTING GROUNDWATER MONITORING PT. | — TOE OF SPOIL, ROCK OR COAL REFUSE PILE |
| — PROTECTED AREA - SUBSIDENCE (25° ANGLE OF DRAW) | — BACKGROUND SURFACE SAMPLE PT. | — CHURCH |
| ○ GAS WELL | — SURFACE WATER MONITORING PT. (existing & proposed) | — CEMETERY |
| ● WATER WELL | — P.W.S. PUBLIC WATER SUPPLY | — PILLARED |
| ☼ SPRING | | — [NUMBER] COAL OWNER - KEYED TO MODULE 5 |
| — POND/IMPONDMENT | | — name SURFACE OWNER |
| — FLOW MEASUREMENT PT. | | |
| — PERENNIAL STREAM | | |
| — INTERMITTENT STREAM | | |
| — PIPELINE/U-GROUND CABLE size, oil or gas labeled | | |
| — PROPERTY LINE | | |
| — POWER LINE (500 KVA or larger) | | |
| — COAL CONTOUR LINE | | |
| — 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 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.



Dept. of Environmental Protection
 McIntyre District Office

SCALE 1" = 2000'

INDEX FOR 1" = 200' MINE MAPS

● = MAPS SUBMITTED

MCINTYRE, INDIANA, BLAIRSVILLE, & BOLIVAR U.S.G.S. QUADRANGLES

LUCERNE-66-100