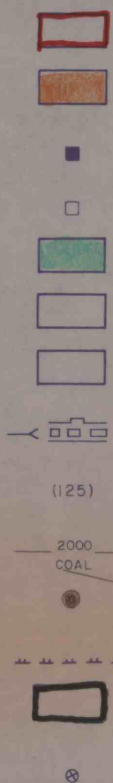


LEGEND

- WATER QUALITY PERMIT 745 acres
- MINING BARRIER
- OCCUPIED DWELLINGS
- UNOCCUPIED DWELLINGS
- 50% MINING AREAS
- SANDSTONE ROLL
- ACTIVE & ABANDONED SURFACE MINES
- ABANDONED DEEP MINES
- KEY TO INDIVIDUAL SURFACE OWNERS
- STRUCTURE CONTOUR (Lower Freeport Seam)
- DRILL HOLE
- LOWER FREEPORT COAL SEAM OUTCROP
- SURFACE FACILITIES AREA
- DISCHARGE POINT LOCATION



INDEX TO SMALL PARCEL OWNERS

- Jack Kosecky
- Richard Strenko
- Albert Panichone
- Michael Dishart
- Carl Dodson
- Richard Roger
- Joseph Kubat
- Stanley Kubat
- Bernard Svidergol
- Allen Treese
- Ester Niehenke
- William Miller
- Alex Yobbagy
- Sylvia Downen
- Russell Hullihen
- Herbert Stanton
- Alex Yobbagy
- Donald Swindell
- Walter Settle
- Walter Settle
- Walter Settle
- Kenneth Settle
- Ada Schrengost
- Robert Howard
- Robert Howard
- Donald Learn
- Dolores Edwards
- Leland Stiner
- Leland Stiner
- Leland Stiner
- Joseph Grove
- Alex Yobbagy
- Allen Horn
- Bethel Church
- Cambria & Indiana Railroad
- Cambria County Communications Inc.
- Commonwealth Of Pennsylvania
- AT&T Communications
- John Sanderson
- John Branick
- William Cook
- Alex Yobbagy
- Görner Larzelere
- Albert Kubat
- Frank Kubat
- Alice Tobin
- William Tobin
- Jack Gorman
- Edward Younkin
- Peter Olsavsky
- Katherine Nozick
- Ray Hallingsworth
- Paul Yobbagy
- Elizabeth Gardocky
- Joan Waterspoon
- Marie Bosze
- Lanchester Lodge
- Jack Keilman
- Paul Crawford
- James Hemming
- Essie Reed
- Joan Goodrich
- Richard McCullough
- John Martin
- George McKatch
- Harry Noel
- John Hakanen
- Linda Bober
- George Loshinsky
- John Bernat
- Francis Lamantia
- Timothy Forrester
- Thomas Crookshank
- Paul Bellack
- Mark Koenig
- Forrest Jones
- Ronald Schirato
- James Gessor
- John Eget
- Stephen Szymusiak
- Thomas Crookshank
- Paul Bellack
- Thomas Hoffman

DRILL HOLE SUMMARY CHART

DH NO.	SUR. ELEV.	LF B.O.C. ELEV.
TH-1	2295.0	2154.50
TH-2	2182.0	2058.67
TH-3	2250.0	2147.25
DH-1	2241.0	2133.80
DH-2	2248.1	2135.60
DH-4A	2140.0	2129.00
DH-4B	2170.0	2125.60
DH-5	2318.0	no coal
DH-6	2273.0	2091.30
DH-7	2208.8	2097.80
DH-8	2224.1	no coal
DH-9	2174.3	2038.00
DH-10	2218.0	2078.00
DH-11	2250.0	2127.80
DH-12	2232.9	2129.70
DH-13	2302.0	2038.80
DH-15	2220.0	2069.90
DH-16	2158.0	2018.00
DH-17	2142.0	1966.50
DH-18	2250.0	2087.60
DH-19	2159.6	2056.00
DH-20	2150.8	2055.00
DH-12A	2394.4	2117.70
DH-21	2303.9	2132.10
DH-22	2290.2	2118.50

DATA (Water Quality Permit)
Original Application - 1115.0 AC
AMENDED Application - 745.0 AC
Acres Deleted - 370 AC

INDEX TO COAL OWNERSHIP

- Harry C. Keilman
- Lorimer & Co.
- Lincoln Coal Co.
- Barnes & Tucker Co.
- Cambria County

UTILITIES LEGEND

- E = Electric Line
- C = Cable
- T = Telephone Line
- G = Natural Gasline



1"=400' scale 0 400 800 feet

PREPARED BY
VAPCO ENGINEERING
PUNTSITAWNEY, PENNSYLVANIA

REVISIONS
August 28, 1986
December 19, 1986
February 11, 1987

CHECKED BY
WBS
BL
KB

DATE
MAY 1985
FEB 11, 1987

SCALE
1"=400'

APPROVED
DATE

APPROVED
DATE

APPROVED
DATE

ENGINEER
REG. NO. 22456-E

NOTE:
1. This map has been prepared from county tax maps, deed, & field markers. This does not represent an actual survey of properties shown.
2. Contours & natural features were taken from a 7.5 min. Nanty 60
3. Cover U.S. G.S. quadrangles.

PROPOSED DEEP MINE
VALLEY COAL COMPANY
VALLEY #16 MINE
Blacklick & Cambria Twp. Cambria Co.

OPERATION PLAN
MINE
DEVELOPMENT
MAP