LEGEND

- ACTIVE GAS WELL
- INACTIVE GAS WELL
- WATER WELL
- SPRING
- POND
- FLOW MEASUREMENT POINT
- STREAM - PERENNIAL
- STREAM - INTERMITTENT
- PIPELINE OR UNDERGROUND CABLE (SHOW OIL OR GAS AS LABELED)
- PROPERTY LINE
- POWER LINE (500KV KV OR LABELED)
- COAL CONTOUR LINE
- FAULT OR LOW COAL ZONE
- OUTCROP / INCROP
- 100' COVER LINE
- SUBSIDENCE CONTROL PLAN BOUNDARY
- PERMIT BOUNDARY
- 1000' PERIMETER LINE
- PROTECTED AREA - SUBSIDENCE CONTROL PLAN (SEE ANGLE OF DRAW)
- STATE ROAD
- UNIMPROVED ROAD
- TOWNSHIP ROAD
- BRIDGE
- CULVERT
- ELEVATIONS ROAD
- ELEVATIONS STREAM
- RAILROAD TRACKS
- DIAMOND (SSW) OR AIR DRILL (ADH)
- SHAFT OR DRIFT
- DITCH
- PROTECTED STRUCTURE
- NONPROTECTED STRUCTURE
- DWELLING BUILT AFTER APRIL 1966
- CHURCH
- CEMETERY
- PILLARED
- (NAME) ORIGINAL COAL OWNER, SHOWN FOR REFERENCE ONLY
- NAME PRESENT SURFACE OWNER
- AREAS UNDER AND SURFACE MINING
- NO MINING ZONE
- LOCATION OF FILL MINE OPENINGS TO BE SEALED
- BACKGROUND SURFACE WATER SAMPLE
- SURFACE WATER MONITORING PT
- PUBLIC WATER SUPPLY
- EXISTING GROUND WATER MONITORING PT
- PROPOSED GROUND WATER MONITORING PT
- BACKGROUND GROUND WATER SAMPLE PT
- CONSTRUCTED POND, DAM, OR EMBANKMENT
- TOE OF EXISTING SPOIL, MINE ROCK OR COAL REFUSE PILE

NOTE
1. THERE ARE NO IMPOUNDMENTS EXCEEDING 20 AC. FT. WITHIN PROPOSED PERMIT AREA.
2. ALL COAL TO BE MINED IS OWNED BY THE FLORENCE MINING COMPANY EXCEPT WHERE OTHERWISE NOTED ON PROPERTY
3. SURFACE PROPERTY LINES HAVE BEEN SUPPLEMENTED BY INDIANA COUNTY TAX ASSESSMENT MAPS AND NOT BASED ON ACTUAL PROPERTY SURVEY.
4. NO AREA HAS BEEN DECLARED UNSUITABLE FOR MINING
5. NO MAJOR HAZARDS HAVE BEEN IDENTIFIED
6. THERE ARE NO LANDSLIDE AREAS IN THE VICINITY OF THE AREAS TO BE AFFECTED BY SURFACE OPERATIONS AND FACILITIES.

FLORENCE MINING COMPANY
ENGINEERING / ENVIRONMENTAL COMPLIANCE DEPARTMENT

Operation: BLACKLICK MINE	Permit No:
Township: EAST WHEATFIELD AND WEST WHEATFIELD	County: INDIANA
Coal Seam: LOWER KITTANNING	Geologic Group: ALLEGHENY

REPERMITTING APPLICATION
EXHIBIT A
MINE DEVELOPMENT MAP

Date	Revisions	Approved By
2-7-86		
3-31-86	RELOCATE MS-1 & MS-2	
11-24-86	SUBSIDENCE PLAN LINE	
1-8-87	VENT. B.H. (MAIN)	
1-22-87	"NARROWING" & 100' COVER	

Date: 2-7-86 Scale: 1" = 400'
Drawn By: M.S., R.W.H.
Approved By / Date:
Drawing No: 1 OF 1

RECEIVED JAN 26 1987 Dept. of Environmental Resources McMurray District Office

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL JOSEPH C. WILCOX, JR. ENGINEER 030792-E

WEST WHEATFIELD TOWNSHIP 214.57 ACRES
EAST WHEATFIELD TOWNSHIP 107 ACRES

1000' PERIMETER LINE
25° ∠ OF DRAW LINE
PERMIT BOUNDARY
SUBSIDENCE CONTROL PLAN BOUNDARY
VINTON NO. 17 "B" SEAM MINE
MINE POOL - 1355
FL-MD-63 * SEE NOTE PAGE 36H OF NARRATIVE
BLACKLICK CREEK
CONNELLY "B" SEAM STRIP
ANGELLO "D" SEAM STRIP
JACKSON NO. 1 "B" SEAM MINE
MINE POOL - 1430
DRIFT MOUTHS @ 1425
BLACKLICK "B" SEAM STRIP
MARIOLIS RUN "B" SEAM MINE
MINE POOL - UNKNOWN
THOMPSON NO. 1 "D" SEAM MINE
H. MACK "D" SEAM STRIP
DIAS "D" SEAM MINE
KESSLER MAHONING "B" SEAM STRIP
KESSLER "C" & "D" SEAMS STRIPS
KISKIMINETAS "B" SEAM MINE
MINE POOL - 1328
MINED OUT AREA
KISKIMINETAS COAL COMPANY
CONEMAUGH NO. 1 "B" SEAM MINE
MINE POOL - 1166
DEWATERING BOREHOLE "A"
EL. 1748
VENTILATION BOREHOLE #1
VENTILATION BOREHOLE #2
DEWATERING BOREHOLE
PROPOSED DEWATERING HOLE
PROPOSED SEALS
200' BARRIER
SOUTHWAY MAINS
NEW MAINS
FL-SM-1
FL-SM-2
FL-SM-3
FL-SM-4
FL-SM-5
FL-SM-6
FL-SM-7
FL-SM-8
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