



LEGEND

	HOUSE BARRIER		ROAD BARRIER & STREAM BARRIER
	TREATMENT PONDS		BACKGROUND SAMPLES
	PROPOSED MONITORING SITES		GROUND WATER FLOW
	FRACTURE TRACE		B COAL 261 ACS.
	A COAL 440 ACS.		LIMIT OF AFFECTED AREA 507 ACS.
	TEST HOLES		TEST PIT
	WELLS		SPRINGS
	SLOPE MEASUREMENT		SURFACE MINE EXTENTS
	GAS LINE BARRIER (SURFACE)		A ← PROBABLE SHALLOW GROUND WATER FLOW
	B ← POSSIBLE OCCASIONAL GROUND WATER FLOW		▲ INACTIVE DEEP MINE
	⊞ GAS WELL BARRIER		

NOTES

(1) NO KNOWN MAPS OF THE TWO INACTIVE DEEP MINES ARE KNOWN TO EXIST. ALSO, LOCAL RESIDENTS SEEM TO HAVE NO INFORMATION ON THE TWO APPARENTLY VERY OLD MINES.

(2) SOME DWELLINGS WITHIN 1000 FEET OF THE AFFECTED AREA HAVE NO APPARENT PRIVATE WATER SUPPLY. ALSO, SOME DWELLINGS WERE UNOCCUPIED DURING SEVERAL VISITS TO OBTAIN WATER SAMPLES.

(3) SURFACE ELEVATIONS FOR TEST HOLES 8, 9, 10, 11, 12 WERE DETERMINED BY ANEROID BAROMETER SURVEY. THEY DO NOT NECESSARILY CORRELATE EXACTLY WITH ELEVATIONS AS SHOWN BY TOPOGRAPHIC MAP CONTOUR LINES.

EXHIBIT 5

BROOKVALLEY COAL CO.

MOCK NO. 1

MILLCREEK TWP. CLARION CO.
UNION TWP. JEFFERSON CO.

M.D. NO. 3778 BC 12

APRIL 10, 1979 HESS & FISHER ENGINEERS, INC.

SCALE: 1 INCH = 400 FEET

#7467