

SUBSIDENCE PERMIT

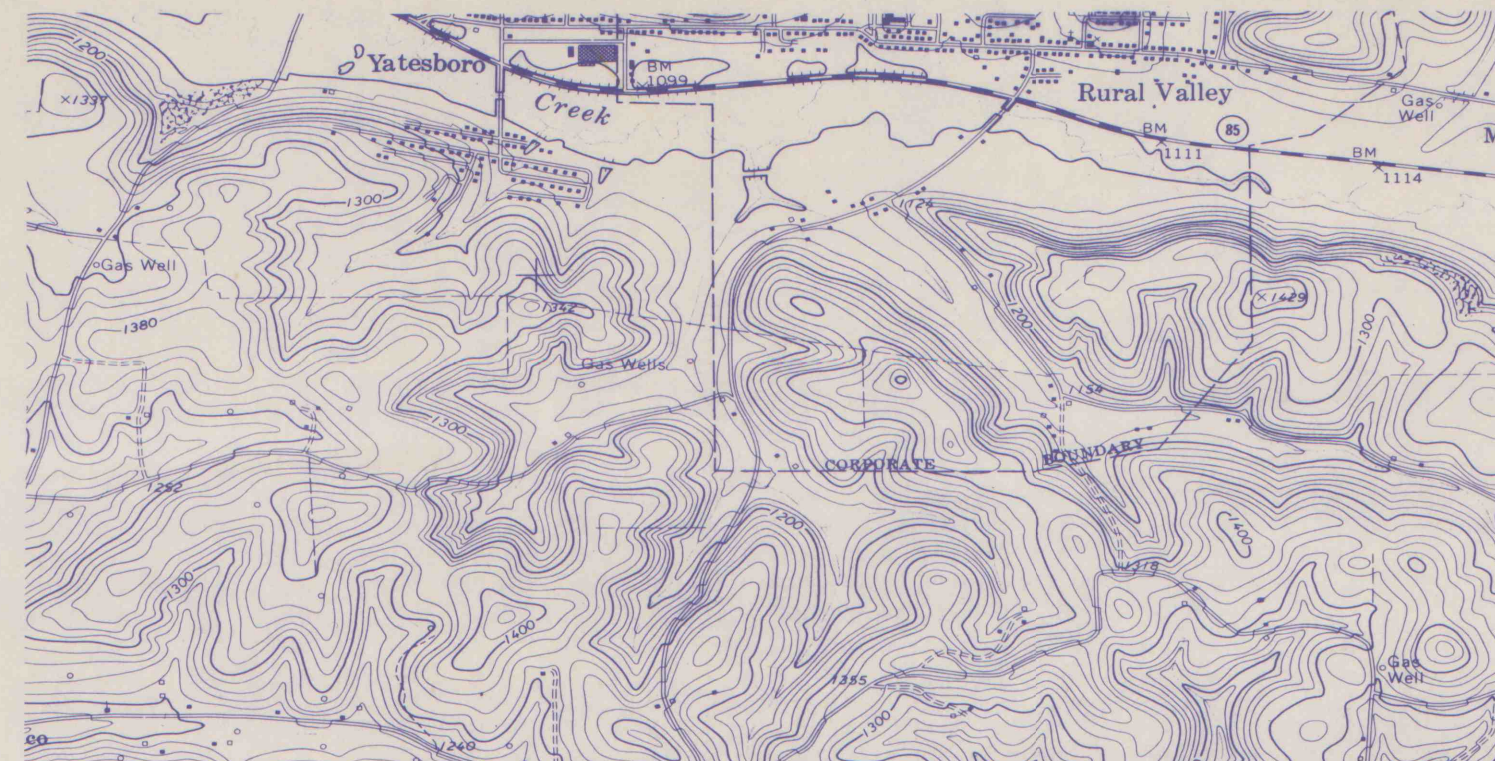
BOUNDARY

INDEX FOR 1"=100' MAPS

WHITESBURG, ELDERTON & RURAL VALLEY 7-1/2'
U.S.G.S. QUADRANGLE

 = MAPS SUBMITTED

SCALE 1"=2000'



KEYSTONE COAL MINING CORPORATION
EMILIE NO. 4

PERMIT NO. 03841307

UPPER FREEPORT (E SEAM)

PLUMCREEK & COWANSHANNOCK

TOWNSHIPS

ARMSTRONG COUNTY, PENNSYLVANIA.

POSTING DATE DEC. 1, 1990

SEAL —

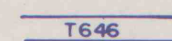
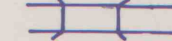
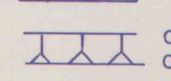
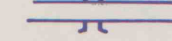
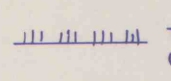
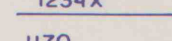
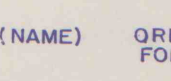
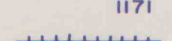
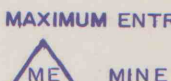
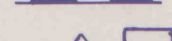
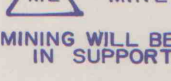
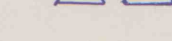
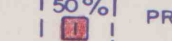
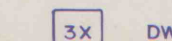
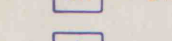
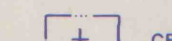
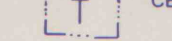
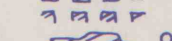


SIGNATURE

PREPARED BY MICHAEL P. KEITH

MAPS DEPICT CONTEMPLATED MINING
FROM DEC. 1, 1990
TO JUNE 1, 1991

LEGEND FOR MAP SYMBOLS

	ACTIVE GAS WELL		TOWNSHIP ROAD		MINING COMPLETED
	INACTIVE GAS WELL		BRIDGE		CONSTRUCTED DIKE OR EMBANKMENT
	WATER WELL		CULVERT		TOE OF EXISTING SPOIL, MINE ROCK OR COAL REFUSE PILE
	SPRING		ELEVATIONS-ROAD		(NAME) ORIGINAL COAL OWNER, SHOWN FOR REFERENCE ONLY
	POND		ELEVATIONS-STREAM		MAXIMUM ENTRY WIDTH 10' UNLESS OTHERWISE SHOWN
	FLOW MEASUREMENT POINT		RAILROAD TRACKS		MINING WILL BE ON CENTERLINE PROJECTIONS ONLY IN SUPPORT AREA
	STREAM-PERENNIAL		HORIZONTAL OR VERTICAL CONTROL, SURVEY STATIONS		DIAMOND (DCH) OR AIR DRILL (ADH) HOLE AS LABELED
	STREAM-INTERMITTENT		SWAMP OR MARSH		DITCH
	PIPELINE OR UNDERGROUND CABLE (SIZE, OIL, OR GAS AS LABELED)		PROTECTED STRUCTURE		NONPROTECTED STRUCTURE
	PROPERTY LINE		DWELLING-BUILT AFTER APRIL 1966		CHURCH
	POWER LINE		CEMETERY		AIR SHAFT (DOUBLE COMPARTMENT)
	1050' COAL CONTOUR LINE		PILLARED		OUTLINE OF PILLARED AREA UPPER OR LOWER SEAM
	NO COAL ZONE				
	CROPLINE				
	100' COVER LINE				
	6 MONTH SUBSIDENCE LINE (CONTEMPLATED MINING & DATE)				
	SUBSIDENCE CONTROL PLAN BOUNDARY				
	PERMIT BOUNDARY				
	STATE ROAD				
	UNIMPROVED ROAD				

NOTE: FIRST MINING INDICATES NO PILLAR REMOVAL