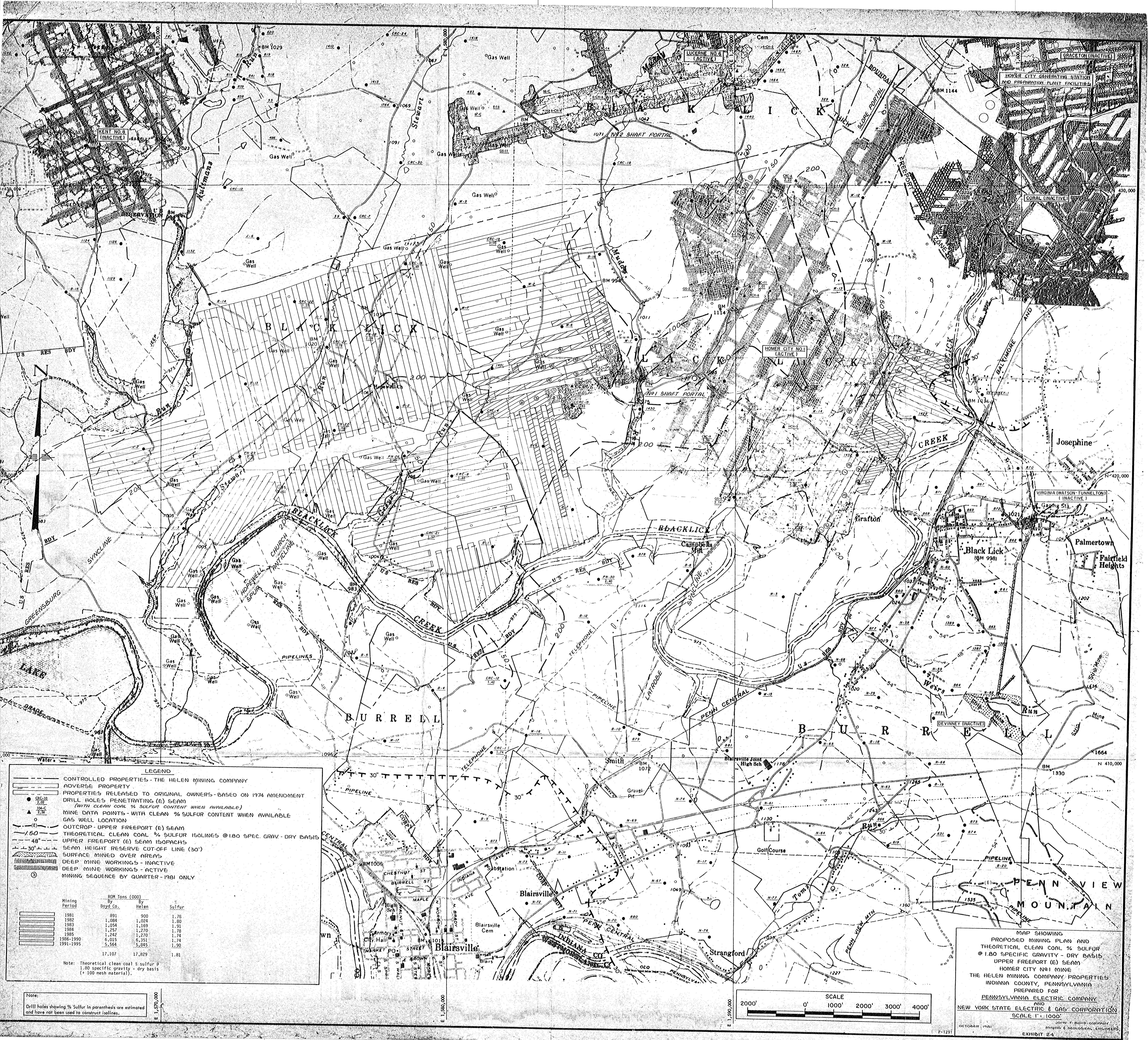




LEGEND

- CONTROLLED PROPERTIES - THE HELEN MINING COMPANY
- ADVERSE PROPERTY
- PROPERTIES RELEASED TO ORIGINAL OWNERS - BASED ON 1974 AMENDMENT
- DRILL HOLES PENETRATING (E) SEAM (WITH CLEAN COAL % SULFUR CONTENT WHEN AVAILABLE)
- MINE DATA POINTS - WITH CLEAN % SULFUR CONTENT WHEN AVAILABLE
- GAS WELL LOCATION
- OUTCROP - UPPER FREEPORT (E) SEAM
- THEORETICAL CLEAN COAL % SULFUR ISOLINES @1.80 SPEC. GRAV. - DRY BASIS
- UPPER FREEPORT (E) SEAM ISOPACHS
- SEAM HEIGHT RESERVE CUT-OFF LINE (30')
- SURFACE MINED OVER AREAS
- DEEP MINE WORKINGS - INACTIVE
- DEEP MINE WORKINGS - ACTIVE
- MINING SEQUENCE BY QUARTER - 1981 ONLY

Mining Period	ROM Tons (000)		% Sulfur
	By Boyd Co.	By Helen	
1981	891	900	1.78
1982	1,084	1,024	1.80
1983	1,054	1,169	1.91
1984	1,257	1,270	1.78
1985	1,242	1,270	1.74
1986-1990	6,015	6,351	1.74
1991-1995	5,564	5,945	1.90
	17,107	17,829	1.81

Note: Theoretical clean coal % sulfur @ 1.80 specific gravity - dry basis (-100 mesh material).

Note: Drill holes showing % Sulfur in parenthesis are estimated and have not been used to construct isolines.

MAP SHOWING
PROPOSED MINING PLAN AND
THEORETICAL CLEAN COAL % SULFUR
@ 1.80 SPECIFIC GRAVITY - DRY BASIS
UPPER FREEPORT (E) SEAM
HOMER CITY NO. 1 MINE
THE HELEN MINING COMPANY PROPERTIES
INDIANA COUNTY, PENNSYLVANIA
PREPARED FOR
PENNSYLVANIA ELECTRIC COMPANY
NEW YORK STATE ELECTRIC & GAS CORPORATION
SCALE 1" = 1000'
OCTOBER 1981
JOHN T. BOYD COMPANY
MINING & GEOLOGICAL ENGINEERS
EXHIBIT 24