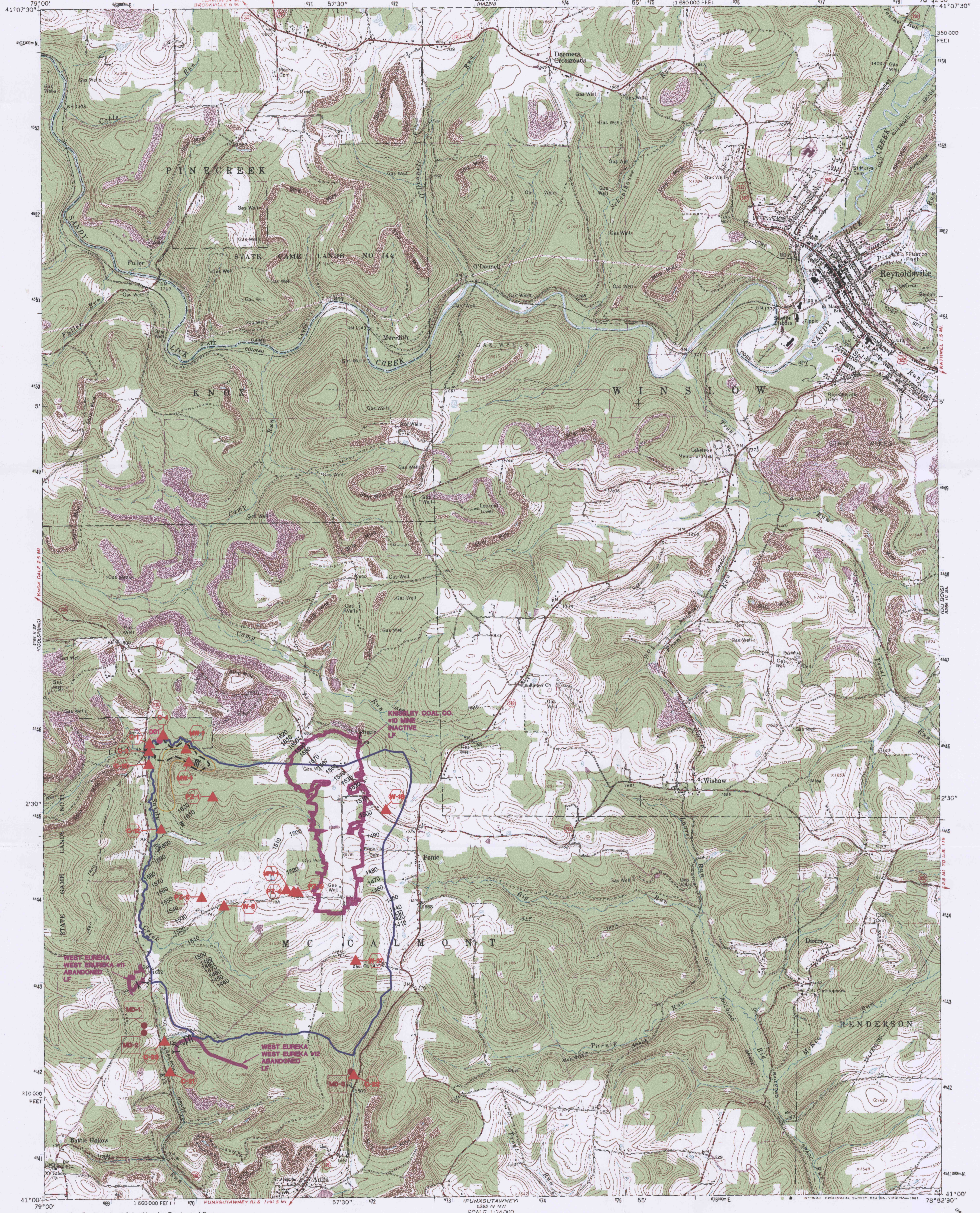


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
TOPOGRAPHIC AND GEOLOGIC SURVEY

REYNOLDSVILLE QUADRANGLE
PENNSYLVANIA—JEFFERSON CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey
Control by USGS and NDS/NOAA
Topography by photogrammetric methods from aerial
photographs taken 1964. Field checked 1966
Polyconic projection. 10,000 foot grid based on
Pennsylvania's coordinate system, north zone
1000 meter Universal Transverse Mercator grid ticks,
zone 17, shown in blue. 1927 North American Datum
The difference between 1927 North American Datum and North
American Datum of 1983 (NAD 83) for 7.5 minute intersections
is given in USGS Bulletin 1875. The NAD 83 is shown by
dashed corner ticks
*There may be private inholdings within the boundaries
of the National or State "reserves" ones shown on this map

Map photocopied 1986
No major culture or drainage changes observed

SCALE 1:24,000
CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
U. S. Route — State Route

REYNOLDSVILLE, PA.
4107848-TF-024
PHOTOINSPECTED 1986
1966
PHOTOINSPECTED 1981
DMA 5246 111 SW-8611.6 V831

- Legend**
- UNDERGROUND PERMIT LIMIT
 - - - SURFACE PERMIT LIMIT
 - SMP #33800116
 - ▲ MONITORING WATER SAMPLE LOCATION
 - PREFIX DESIGNATION
 - S—SPRING/SEEP, C—SURFACE WATER, W—WELL, MD—MINE DISCHARGE, PZ—PIEZOMETER, MW—MONITORING WELL
 - MINE DISCHARGE
 - POINT SOURCE DISCHARGE

- PROPOSED/EXISTING MINE OPENING
- GEOLOGIC CROSS-SECTION
- MIDDLE KITTANNING COAL CROP
- MIDDLE KITTANNING COAL CONTOURS
- ACTIVE & ABANDONED DEEP MINE LIMITS

NOTES: (1) THERE ARE NO KNOWN GEOLOGIC FAULTS IN OR WITHIN 1000 FEET OF THE PERMIT AREA.
(2) REFER TO EXHIBIT 6.3: ENVIRONMENTAL RESOURCE MAP FOR LOCATION OF BACKGROUND WATER SAMPLES.
(3) THERE ARE NO PUBLIC WATER SUPPLIES WITHIN ONE MILE OF PERMIT BOUNDARY.

REVISIONS			
No.	By	Date	Description
01	FED	8/26/02	ADDED MPW-1

Drawn By: A.Z
Checked By: J.F
Date: 10/30/01
Scale: 1" = 2000'
Project Number: 0027-01
File Name: EXHIBIT-6.1.dwg
Drawing: 1 of 1

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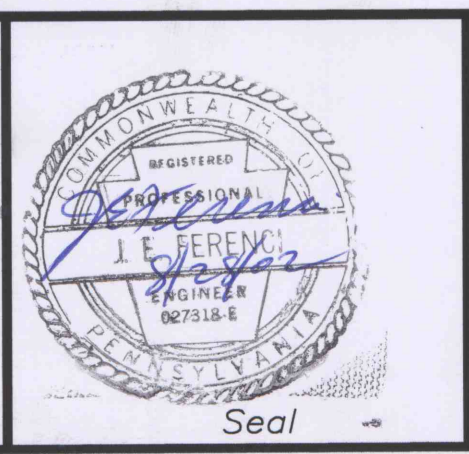


EXHIBIT 6.1: SITE LOCATION MAP
for
LAUREL ENERGY L.P.
SANDY LANDS MINE
MIDDLE KITTANNING COAL SEAM
REYNOLDSVILLE USGS 7.5' QUADRANGLE
MCCALMONT TOWNSHIP
JEFFERSON COUNTY, PENNSYLVANIA

