



▲ PHASE I SUBSURFACE INVESTIGATION

HOLE I.D.	SUF. ELEV.	ELEV. BOT. OF HOLE	HORIZON @ HOLE COMP.	DRILLING FOOTAGES			CASING		
				NX CORE	OVERBURDEN DRILLING	6" AIR ROTARY	CABLE TOOL REAM.	MONIT. WELLS	BIG BERTHA
C-1	1214.89	1577.43	BURGOON SS	162.50	10.14				
R-1	1229.88	1229.88	BROOKVILLE COAL		10.0	300.3		300	
BIG BERTHA	1220	920	BURGOON SS				300	56	
R-2	1214.99	1111.39	BURGOON SS		10.0	378.183		378.185	
R-3	1297.99	1144.99				150		152	
R-1A	1524.35	1221.35				303		0	
R-1B	1524.35	1219.35				305		308	
TOTAL				263.50	14	1246	56	645	50' W/ GATE VALVE & GAGE

▲ Note: C-1 is Core Hole. All other are Air Rotary.

▲ NATIONAL FUEL DIST. CO.
MR. L. E. BLAUSER
P.O. BOX 59, RD 1
CLARION, PA. 16214
PHONE 814-764-5134

— WEST PENN. POWER CO.
MR. R. E. HIME
P.O. BOX 471
BUTLER, PA. 16001
PHONE 412-282-6000

LEGEND

- 1400 — SURFACE CONTOUR
- 1235 — COAL CONTOUR (BROOKVILLE)
- — — APPROX. COAL OUTCROP
- — — APPROX. DEEP MINING LIMITS
- — — APPROX. STRIP MINING LIMITS
- — — EXISTING ACCESS ROAD TO BE UTILIZED
- — — PROP. ACCESS ROAD TO BE CONSTRUCTED
- — — PROPERTY LINE
- DRILL HOLE LOCATIONS
- SAMPLE LOCATIONS

▲ 5-883 As Drilled		APPR.
NO.	DATE	REVISION
APPROVED: <i>John W. Foreman</i>		
APPROVED: <i>Andrew C. Friedrich</i>		
APPROVED: <i>John E. McSparran, P.E.</i>		
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES OFFICE OF RESOURCES MANAGEMENT		
SUBSURFACE EXPLORATION HAMILTON NO. 3 MINE WASHINGTON TOWNSHIP BUTLER COUNTY		
PROJECT NO. 110-7-101.5		
DRILL HOLE DETAIL PLAN & DRILLING SUMMARY		
GWIN, DOBSON & FOREMAN, INC. CONSULTING ENGINEERS ALTOONA PENNSYLVANIA		
DRAWN BY L.B.B.	DATE JULY 1, 1980	DRAWING NO. 3
CHECKED BY M.V.G.	SCALE 1" = 400'	