

TEST HOLE DATA

HOLE NO.	SURFACE ELEV.	ELEV. TOP OF COAL	SEAM	THICKNESS
1	1870	1851	Upper Kittanning	57"
2	1885	1859	Upper Kittanning	53"
3	1900	1875	Upper Kittanning	52"
4	1940	1890	Upper Kittanning	41"
5	1945	1876	Upper Kittanning	51"
6	1930	1851	Upper Kittanning	60"
7	1885	1828	Lower Kittanning	32"
8	1875	1822	Lower Kittanning	30"
9	1865	1820	Lower Kittanning	30"
10	1880	1820	Lower Kittanning	29"
11	1890	1829	Upper Kittanning	31"
12	1880	1838	Lower Kittanning	33"
13	1925	1883	Upper Kittanning	46"
14	1930	1892	Upper Kittanning	56"
15	1930	1888	Upper Kittanning	Void
20	1655	1628	Brookville	39"
21	1670	1631	Brookville	38"
22	1670	1637	Brookville	42"

SAMPLING POINTS - Background and MONITORING

No.	Sample	Source	Date	Elev.	pH
*1	Cletus P. Spacht	Spring	03/26/79	1736	4.0
2	Jacob Nagle	Well	05/03/79	1620	6.5
3	Jacob Nagle	Well	05/03/79	1620	6.5
4	Chester Hockenberry	Spring	05/03/79	1630	5.0
5	John Kurtz	Spring	05/03/79	1640	6.0
*6	Ted Stumpf	Well	03/30/79	1630	5.75
7	Richard Savage	Well	03/26/79	1620	6.5
8	Charles Savage	Well	03/26/79	1670	6.5
9	Earl Warner	Well	05/16/79	1735	6.0
10	Earl Warner	Spring	05/16/79	1725	6.0
11	Edward Zarnesky	Spring	11/20/78	1750	5.8
12	Daniel Zarnesky	Spring	11/20/78	1760	4.4
13	Henry Stumpf	Well	10/10/79	1620	6.98
14	Henry Stumpf	Well	10/10/79	1615	6.8
15	Wayne Hockenberry	Well	10/10/79	1640	5.3
16	James Knorr	Well	10/10/79	1680	5.45
17	Carl Quist	Well	10/10/79	1705	5.4
18	Harry Shultz	Well	10/10/79	1650	5.68
19	John Spacht	Well	10/15/79	1675	5.6
20	David Stasko	Well	10/15/79	1670	5.2
21	George Kratz	Well	10/15/79	1695	5.1
*22	Chest Creek	----	03/26/79	1490	7.0
*23	Chest Creek	----	03/26/79	1590	7.0
*24	Brubaker Run	----	03/23/79	1590	7.0
*25	Brubaker Run	----	03/23/79	1595	7.0
*26	Unnamed Trib. Brubaker Run	----	03/26/79	1600	----
*27	Mine Discharge	----	03/26/79	1700	4.0
			10/15/79	1700	3.1
*28	Unnamed Trib. Brubaker Run	----	03/23/79	1735	5.5
*29	Mine Disch. Miller Run Mine	----	05/03/79	1670	4.5
			10/15/79	1670	3.85
*30	Mine Disch. Miller Run Mine	----	05/03/79	1740	4.0
			10/15/79	1740	3.49
31	Stream	----	10/15/79	1680	5.5
32	Stream	----	10/15/79	1680	4.6
*33	Brubaker Run	----	10/15/79	1520	6.4
34	Seep	----	12/01/81	1685	5.3
35	Seep on Brookville Outcrop	----	12/01/81	1658	4.7
36	Unnamed Tributary to Chest Creek	----	12/01/81	1615	4.8
37	Seep	----	12/01/81	1650	5.2

- LEGEND:
- PROPOSED TREATMENT FACILITIES
  - PROPOSED SEDIMENTATION POND
  - BACKGROUND SAMPLING POINT
  - PROPOSED MONITORING POINT
  - EPHEMERAL STREAM OR MINE DISCHARGE
  - GROUNDWATER FLOW DIRECTION
  - DRILL HOLE LOCATION
  - ▨ PRIOR STRIP MINED AREAS
  - PROPOSED OR EXISTING HAUL ROADS
  - APPROX. LIMITS OF ABAND. UNDERGROUND MNG.
  - I INDEX TO EXISTING MINE AREAS
  - if LOWER FREEPORT OUTCROP
  - uk UPPER KITTANNING OUTCROP



252.7 AC. PROPOSED PERMIT AREA

EXHIBIT V

E. P. BENDER COAL CO.  
 BITUMINOUS COAL STRIPPING OPERATION  
 SITUATE  
 ELDER TWP, CAMBRIA CO., PA.



SCALE	GWIN, DOBSON & FOREMAN, INC.	DATE
1" = 400'	CONSULTING ENGINEERS	12-22-1981
	ALTOONA - PENNSYLVANIA	