

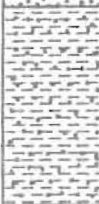







7.1(B) GEOLOGIC LOG DRILL HOLES/OVERBURDEN ANALYSIS DATA

Hole No.: DH-1085  
 Surface Elevation: 1572.2  
 Bottom of Coal Elevations: 1526.2 - Upper Freeport  
                                   1480.7 - Lower Freeport No. 3  
                                   1473.2 - Lower Freeport No. 2  
  
 Groundwater Elevations Dry                    3/30/01  
 and Date Measured: \_\_\_\_\_  
  
 Surveyed by: K & J                                Method: EDM  
 Remarks: \_\_\_\_\_

Operation Name: Thomsontown  
 Method of Drilling: Air Rotary  
 Date Drilled: 03/29/01  
 Drilled By: Holt Drilling  
 Logged By: Ron Holt  
 Township: Chest & Ferguson  
 County: Clearfield  
 Quadrangle: Westover  
 Laboratory: \_\_\_\_\_  
 Latitude: 40°49'12"                                Longitude: 78°38'26"  
 Grid Coordinates: \_\_\_\_\_

| Depth | Thick-ness | Scale | Graphic Log   | Lithologic Description: rock type, weathering, color, fossils, carbonate minerals concentrations, pyrite, etc. | Water Conditions | Overburden Analysis Logs |                |              |               |             |
|-------|------------|-------|---|--|------------------|--------------------------|----------------|--------------|---------------|-------------|
|       |            |       |   |  |                  | Munsell Color Code       | OBA Sample No. | Log Interval | %Total Sulfur | Fizz Rating |
| 20    | 20         | 10    |    | Brown shale  |                  |                          |                |              |               |             |
| 25    | 5          | 20    |    | Gray sandstone   |                  |                          |                |              | Moderate      |             |
| 36    | 11         | 30    |   | Brown sandy shale  |                  |                          |                |              | Slight        |             |
| 45    | 9          | 40    |  | Gray shale   |                  |                          |                |              |               |             |
| 46    | 1          |       |  | COAL - UPPER FREEPORT  |                  |                          |                |              |               |             |
| 60    | 14         | 50    |  | Gray clay  |                  |                          |                |              |               |             |
|       |            | 60    |  |  |                  |                          |                |              |               |             |
|       |            | 70    |  |  |                  |                          |                |              |               |             |

