DSM Design Group Drill Log Data Sheet

Company Name: Birmingham Coal and Coke Co., Inc.

Hole ID#: OB/MW-1

Mine Name: Gooden Creek #2

Driller's Name: Landon Manasco

Sampler's Name: George Ambrose

Elevation: 718.67'

Interval Depth:	Soil Description:	Total Depth:
0'-5'	Brown, Sandy, Very Fine Grained	5'
5'-10'	Brown, Sandy, Very Fine Grained	10'
10'-15'	Brownish Yellow, Sandy, Fine Grained	15'
15'-20'	Brownish Red, Sandy, Fine Grained	20'
20'-25'	Brownish Yellow, Sandy, Very fine Grained	25'
25'-30'	Brownish Yellow, Sandy, Very fine Grained	30'
30'-35'	Brownish Yellow, Sandy, Very fine Grained	35'
35'-40'	Brownish Yellow, Sandy, Very fine Grained	40'
40'-45'	Brownish Yellow, Sandy, Very fine Grained	45'
45'-50'	Shale, Gray, Very Soft, Fine Grained	50'
50'-55'	Shale, Gray, Very Soft, Fine Grained	55'
55'-60'	Shale, Gray, Very Soft, Fine Grained	60'
60'-65'	Shale, Gray, Very Soft, Fine Grained	65'
65'-70'	Shale, Gray, Very Soft, Fine Grained	70'
70'-75'	Shale, Gray, Very Soft, Fine Grained	75'
75'-80'	Shale, Gray, Very Soft, Fine Grained	80'
80'-85'	Shale, Gray, Very Soft, Fine Grained	85'
85'-90'	Shale, Gray, Very Soft, Fine Grained	90'
90'-95'	Shale, Gray, Medium Hard	95'
95'-100'	Shale, Gray, Medium Hard	100'
100'-105'	Shale, Gray, Medium Hard	105'
105'-110'	Shale, Gray, Medium Hard	110'
110'-115'	Shale, Gray, Medium Hard	115'
115'-120'	Shale, Gray, Medium Hard	120'
120'-125'	Shale, Gray, Medium Hard	125'

Total Hole Depth: 125.0'

DSM Design Group Drill Log Data Sheet

Company Name:	Birmingham Coal and Coke Co., Inc.	**Hole ID#:**	OB-1A
Mine Name:	Gooden Creek #2	**Driller's Name:**	Landon Manasco
Sampler's Name:	George Ambrose	**Elevation:**	667.37'

Interval Depth:	Soil Description:	Total Depth:
0'-5'	Brown, Sandy, Very Fine Grained	5'
5'-10'	Brown, Sandy, Very Fine Grained	10'
10'-14'	Brown, Sandy, Very Fine Grained	14'
14'-15.75'	Coal Seam	15.75'
15.75'-20'	Shale, Gray, Soft, Very Fine Grained	20'
20'-25'	Shale, Gray, Soft, Very Fine Grained	25'
25'-30'	Shale, Gray, Medium Hard	30'
	Total Hole Depth:	30.0'

DSM Design Group Drill Log Data Sheet

Company Name: Birmingham Coal and Coke Co., Inc.

Hole ID#: OB/MW-1B

Mine Name: Gooden Creek #2

Driller's Name: Landon Manasco

Sampler's Name: George Ambrose

Elevation: 540.28'

Interval Depth:	Soil Description:	Total Depth:
0'-5'	Clay, Brown, Sandy	5'
5'-10'	Clay, Brown, Sandy	10'
10'-15'	Sandstone, Light Brown	15'
15'-20'	Shale, Light Gray, Fine Grained	20'
20'-24'	Shale, Light Gray, Fine Grained	24'
24'-25.5'	Coal Seam	25.5'
25.5'-30'	Shale, Yellowish Gray, Fine Grained	30'
30'-35'	Shale, Yellowish Gray, Medium Hard	35'
35'-40'	Shale, Tan, Medium Hard	40'
40'-45'	Shale, Light Brown, Medium Hard	45'
45'-50'	Shale, Tan, Medium Hard	50'
50'-55'	Shale, Tan, Fine Grained	55'
55'-60'	Shale, Tan, Fine Grained	60'
60'-65'	Shale, Tan, Fine Grained	65'
65'-70'	Shale, Tan, Fine Grained	70'
70'-75'	Shale, Tan, Fine Grained	75'
75'-80'	Shale, Tan, Fine Grained	80'

Total Hole Depth: 80.5'

DSM Design Group Drill Log Data Sheet

Company Name: Birmingham Coal and Coke Co., Inc.

Hole ID#: OB/MW-2

Mine Name: Gooden Creek #2

Driller's Name: Landon Manasco

Sampler's Name: George Ambrose

Elevation: 592.36'

Interval Depth:	Soil Description:	Total Depth:
0'-5'	Clay, Brown, Sandy	5'
5'-10'	Sandstone, Brown	10'
10'-15'	Sandstone, Brown	15'
15'-20'	Sandstone, Brown	20'
20'-25'	Sandstone, Brown	25'
25'-30'	Sandstone, Brown	30'
30'-35'	Shale, Gray, Medium Hard	35'
35'-40'	Shale, Gray, Medium Hard	40'
40'-45'	Shale, Light Gray, Medium Hard	45'
45'-50'	Shale, Light Gray, Medium Hard	50'
50'-55'	Shale, Light Gray, Medium Hard	55'
55'-60'	Shale, Light Gray, Medium Hard	60'
60'-65'	Shale, Light Gray, Fine Grained	65'
65'-70'	Shale, Light Gray, Fine Grained	70'
70'-75'	Shale, Light Gray, Fine Grained	75'
75'-80'	Shale, Gray, Medium Hard	80'
80'-85'	Shale, Gray, Fine Grained	85'
85'-90'	Shale, Gray, Fine Grained	90'
90'-92'	Shale, Gray, Fine Grained	92'
92'-93.8'	Coal Seam	93.8'
93.8'-100'	Shale, Gray, Medium Hard	98.8'
100'-104'	Shale, Gray, Medium Hard	103.8'
	Total Hole Depth:	103.8'