OHIO DEPARTMENT NATURAL RESOURCES
DIVISION OF MINERAL SOURCES MANAGEMENT

DRILLING REPORT - SURFACE

Applicant's Name **Oxford Mining Company, LLC**
(Check one: ☐ core drilled ☒ rotary air, ☐ other (describe))

Surface Owner **Capstone Holding Company**
Test Hole # **10-565 Page 4 of 5**
State Plane Coordinates X: **2309247**
Y: **713761**

Lithologic Unit (1)	Thickness	pH	$CaCO_3$ Deficiency (1000 Tons)	Neutralization Potential (1000 Tons)	Potential Acidity	Total or Pyritic Sulfur %	Physical Properties (2)			
Topsoil										
Subsoil							Compactible	Erodible	Color	Grain Size
Sandstone	5'	9.13	-76.3	83.2	6.9	0.22	Moderately	Slightly	Gray	Sandy
Sandstone	5'	8.65	-131.2	151.5	20.3	0.65	Moderately	Slightly	Gray	Sandy
Sandstone	5'	8.47	-43.2	62.0	18.8	0.60	Moderately	Slightly	Gray	Sandy
Sandstone	5'	8.35	-7.1	25.5	18.4	0.59	Moderately	Slightly	Gray	Sandy
Sandstone	5'	8.58	-24.2	47.0	22.8	0.73	Moderately	Slightly	Gray	Sandy
Gray Shale	4'	8.56	7.0	18.0	25.0	0.80	Moderately	Slightly	Gray	Sandy
Gray Shale	5'	8.07	39.1	14.3	53.4	1.71/0.8	Moderately	Slightly	Gray	Sandy
Gray Shale	1'	4.71	90.8	4.5	95.3	3.05/1.6	Moderately	Slightly	Gray	Sandy
#8	3.2	6.28	97.9	9.0	106.9	3.42/1.9			Black	

148' Total Thickness 1180' Surface elevation of test hole

Coal Seam Information

NAME	NUMBER	TOTAL SULFUR %	PYRITE/MARCASITE SULFUR %
Coal	#8	3.42	1.9

(1) If subsurface water was encountered, identify the stratum in which it was encountered by an asterisk (*)
(2) Describe any observable physical properties of each stratum (e.g. color, grain size, compactibility, erodibility, etc.)

Part 2: Section B

OHIO DEPARTMENT NATURAL RESOURCES
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DRILLING REPORT - SURFACE

Applicant's Name **Oxford Mining Company, LLC**
(Check one: ☐ core drilled ☒ rotary air, ☐ other (describe))

Surface Owner **Capstone Holding Company**
Test Hole **# 10-565 Page 5 of 5**
State Plane Coordinates X: **2309247**
Y: **713761**

Lithologic Unit (1)	Thickness	pH	$CaCO_3$ Deficiency (1000 Tons)	Neutralization Potential (1000 Tons)	Potential Acidity	Total or Pyritic Sulfur %	Physical Properties (2)			
Topsoil										
Subsoil							Compactible	Erodible	Color	Grain Size
Gray Shale	5'	7.88	-411.1	430.5	19.4	0.62	Moderately	Slightly	Gray	Sandy

148' Total Thickness 1180' Surface elevation of test hole

Coal Seam Information

NAME	NUMBER	TOTAL SULFUR %	PYRITE/MARCASITE SULFUR %
Coal	#8	3.42	1.9

(1) If subsurface water was encountered, identify the stratum in which it was encountered by an asterisk (*)
(2) Describe any observable physical properties of each stratum (e.g. color, grain size, compactibility, erodibility, etc.)

Part 2: Section B

OHIO DEPARTMENT NATURAL RESOURCES
DIVISION OF MINERAL SOURCES MANAGEMENT

DRILLING REPORT - SURFACE

Applicant's Name **Oxford Mining Company, LLC**
(Check one: ☐ core drilled ☒ rotary air, ☐ other (describe))

Surface Owner **Capstone Holding Company**
Test Hole # **10-566 Page 1 of 3**
State Plane Coordinates X:
Y:

Lithologic Unit (1)	Thickness	pH	$CaCO_3$ Deficiency (1000 Tons)	Neutralization Potential (1000 Tons)	Potential Acidity	Total or Pyritic Sulfur %	Physical Properties (2)			
Topsoil	0	7.03	-2.4	10.8	8.4	0.27				
Subsoil							Compactible	Erodible	Color	Grain Size
Brown Clay	0.5'	7.54	-85.8	94.6	8.8	0.28	Slightly	Slightly	Brown	Silt
Sandy Limestone	3'	7.79	-552.9	559.2	6.2	0.20	Moderately	Slightly	Brown	Sandy
Sandy Limestone	8'	8.25	-764.8	769.8	5.0	0.16	Moderately	Slightly	Brown	Sandy
Sandy Limestone	11'	8.08	-587.2	593.1	5.9	0.19	Moderately	Slightly	Brown	Sandy
Sandy Limestone	13'	8.30	-609.8	616.1	6.2	0.20	Moderately	Slightly	Brown	Sandy
Sandy Limestone	18'	8.27	-578.0	583.9	5.9	0.19	Moderately	Slightly	Brown	Sandy
Sandy Limestone	22'	8.41	-19.7	49.1	29.4	0.94	Moderately	Slightly	Gray	Sandy
Dark Shale	25'	8.25	-14.9	23.3	8.4	0.27	Moderately	Slightly	Gray	Sandy
Brown Sandy Limestone	30'	8.06	-54.1	60.0	5.9	0.19	Moderately	Slightly	Gray	Sandy

130.5 Total Thickness Surface elevation of test hole

Coal Seam Information

NAME	NUMBER	TOTAL SULFUR %	PYRITE/MARCASITE SULFUR %

(1) If subsurface water was encountered, identify the stratum in which it was encountered by an asterisk (*)
(2) Describe any observable physical properties of each stratum (e.g. color, grain size, compactibility, erodibility, etc.)

Part 2: Section B

OHIO DEPARTMENT NATURAL RESOURCES
DIVISION OF MINERAL SOURCES MANAGEMENT

DRILLING REPORT - SURFACE

Applicant's Name **Oxford Mining Company, LLC**
(Check one: ☐ core drilled ☒ rotary air, ☐ other (describe))

Surface Owner **Capstone Holding Company**
Test Hole # **10-566 Page 2 of 3**
State Plane Coordinates X:
Y:

Lithologic Unit (1)	Thickness	pH	$CaCO_3$ Deficiency (1000 Tons)	Neutralization Potential (1000 Tons)	Potential Acidity	Total or Pyritic Sulfur %	Physical Properties (2)			
Topsoil										
Subsoil							Compactible	Erodible	Color	Grain Size
Gray Shale	5'	8.15	-25.7	32.3	6.6	0.21	Moderately	Slightly	Gray	Sandy
Sandstone	5'	8.24	-242.3	247.6	5.3	0.17	Moderately	Slightly	Gray	Sandy
Sandstone	5'	8.73	-278.2	285.4	7.2	0.23	Moderately	Slightly	Lt. Gray	Sandy
Sandstone	5'	8.58	-66.6	76.3	9.7	0.31	Moderately	Slightly	Gray	Sandy
Sandstone	5'	8.43	-27.0	32.0	5.0	0.16	Moderately	Slightly	Gray	Sandy
Sandstone	5'	8.51	-4.7	11.0	6.2	0.20	Moderately	Slightly	Gray	Sandy
Sandstone	5'	8.43	-6.5	14.0	7.5	0.24	Moderately	Slightly	Gray	Sandy
Sandstone	5'	8.40	-4.8	9.5	4.7	0.15	Moderately	Slightly	Gray	Sandy
Sandstone	5'	8.33	1.2	8.5	9.7	0.31	Moderately	Slightly	Gray	Sandy

175.5 Total Thickness Surface elevation of test hole

Coal Seam Information

NAME	NUMBER	TOTAL SULFUR %	PYRITE/MARCASITE SULFUR %

(1) If subsurface water was encountered, identify the stratum in which it was encountered by an asterisk (*)
(2) Describe any observable physical properties of each stratum (e.g. color, grain size, compactibility, erodibility, etc.)

Part 2: Section B

OHIO DEPARTMENT NATURAL RESOURCES
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DRILLING REPORT - SURFACE

Applicant's Name **Oxford Mining Company, LLC**
(Check one: ☐ core drilled ☒ rotary air, ☐ other (describe))

Surface Owner **Capstone Holding Company**
Test Hole # **10-566 Page 3 of 3**
State Plane Coordinates X:
Y:

Lithologic Unit (1)	Thickness	pH	$CaCO_3$ Deficiency (1000 Tons)	Neutralization Potential (1000 Tons)	Potential Acidity	Total or Pyritic Sulfur %	Physical Properties (2)			
Topsoil										
Subsoil							Compactible	Erodible	Color	Grain Size
Sandstone	5'	8.08	4.6	11.3	15.9	0.51	Moderately	Slightly	Gray	Sandy
Sandstone	0.5'	8.15	-287.6	306.7	19.1	0.61	Moderately	Slightly	Gray	Sandy
Sandstone	5'	8.24	-784.0	791.2	7.2	0.23	Moderately	Slightly	Gray	Sandy

186.0 Total Thickness Surface elevation of test hole

Coal Seam Information

NAME	NUMBER	TOTAL SULFUR %	PYRITE/MARCASITE SULFUR %

(1) If subsurface water was encountered, identify the stratum in which it was encountered by an asterisk (*)
(2) Describe any observable physical properties of each stratum (e.g. color, grain size, compactibility, erodibility, etc.)

Part 2: Section B