SOIL MAP ID 107	SSURGO
USDA Soil Name	Robbs,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	D
Soil Drainage Class	Somewhat poorly drained
Hydric Classification	2
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-20	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6
2	20-56	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	4.5-6
3	56-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	0.42-1.41	4.5-5.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	56-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	0.42-1.41	4.5-5.5

SOIL MAP ID 108 **SSURGO**

USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-15	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5-6.5
2	15-85	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	4.23-14.11	4.5-5.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	15-85	Silt loam	of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	85-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	5-6

SOIL MAP ID 109 **SSURGO**

USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-15	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	4.23-14.11	5-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-15	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	4.23-14.11	5-6.5
2	15-85	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	85-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	5-6

SOIL MAP ID 110 **SSURGO**

USDA Soil Name	Frondorf,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Low

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-13	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
2	13-38	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	38-64	Clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	4.23-14.11	4.5-5.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	38-64	Clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
4	64-76	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, gravel with fines, Clayey Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
5	76-101		No data	No data	0.001-0.92	0-0

SOIL MAP ID 111 **SSURGO**

USDA Soil Name	Frondorf,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Low

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-13	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction	4.23-14.11	4.5-5.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-13	Silt loam	construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
2	13-38	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	38-64	Clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
4	64-76	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, gravel with fines, Clayey Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
5	76-101		No data	No data	0.001-0.92	0-0

SOIL MAP ID 112 **SSURGO**

USDA Soil Name	Frondorf,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Low

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-13	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
2	13-38	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	38-64	Clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for	4.23-14.11	4.5-5.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	38-64	Clay loam	and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
4	64-76	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, gravel with fines, Clayey Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
5	76-101		No data	No data	0.001-0.92	0-0

SOIL MAP ID 113 **SSURGO**

USDA Soil Name	Robbs,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	D
Soil Drainage Class	Somewhat poorly drained
Hydric Classification	2
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-20	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and	4.23-14.11	4.5-6

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-20	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6
2	20-56	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	4.5-6
3	56-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	4.5-5.5

SOIL MAP ID 114 **SSURGO**

USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-23	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6.5
2	23-64	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	64-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	4.5-6

SOIL MAP ID 115	SSURGO
USDA Soil Name	Robbs,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	D
Soil Drainage Class	Somewhat poorly drained
Hydric Classification	2
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-20	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6
2	20-56	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	4.5-6
3	56-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	0.42-1.41	4.5-5.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	56-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	0.42-1.41	4.5-5.5

SOIL MAP ID 116 **SSURGO**

USDA Soil Name	Robbs,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	D
Soil Drainage Class	Somewhat poorly drained
Hydric Classification	2
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-20	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6
2	20-56	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	1.41-4.23	4.5-6

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	20-56	Silt loam	of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	4.5-6
3	56-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	4.5-5.5

SOIL MAP ID 117 **SSURGO**

USDA Soil Name	Robbs,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	D
Soil Drainage Class	Somewhat poorly drained
Hydric Classification	2
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-20	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	4.23-14.11	4.5-6

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-20	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6
2	20-56	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	4.5-6
3	56-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	4.5-5.5

SOIL MAP ID 118	SSURGO
USDA Soil Name	Zanesville,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-7.3
2	10-59	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	59-87	Silty clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	0.42-4.23	4.5-5.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	59-87	Silty clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	0.42-4.23	4.5-5.5
4	87-142	Clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-14.11	4.5-5.5
5	142-167		No data	No data	0-0.92	0-0

SOIL MAP ID 119 **SSURGO**

USDA Soil Name	Water,Miscellaneous area
USDA Soil Texture	Not Reported
Hydrologic Soil Group	Not Reported
Soil Drainage Class	Not Reported
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Not Reported

SOIL MAP ID 120 **SSURGO**

USDA Soil Name	Water,Miscellaneous area
USDA Soil Texture	Not Reported
Hydrologic Soil Group	Not Reported
Soil Drainage Class	Not Reported
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Not Reported

SOIL MAP ID 121	SSURGO
USDA Soil Name	Water,Miscellaneous area
USDA Soil Texture	Not Reported
Hydrologic Soil Group	Not Reported
Soil Drainage Class	Not Reported
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Not Reported

SOIL MAP ID 122	SSURGO
USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-23	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6.5
2	23-64	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	64-203	Silt loam	Silt-Clay materials (more than 35%	FINE-GRAINED SOILS, Silts and clays (liquid	0.42-1.41	4.5-6

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	64-203	Silt loam	passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	4.5-6

SOIL MAP ID 123 **SSURGO**

USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-15	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5-6.5
2	15-85	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	4.23-14.11	4.5-5.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	15-85	Silt loam	of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	85-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	5-6

SOIL MAP ID 124 **SSURGO**

USDA Soil Name	Robbs,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	D
Soil Drainage Class	Somewhat poorly drained
Hydric Classification	2
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-20	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in	4.23-14.11	4.5-6

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-20	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6
2	20-56	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	4.5-6
3	56-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	4.5-5.5

SOIL MAP ID 125	SSURGO
USDA Soil Name	Zanesville,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-7.3
2	10-59	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	59-87	Silty clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	0.42-4.23	4.5-5.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	59-87	Silty clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	0.42-4.23	4.5-5.5
4	87-142	Clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-14.11	4.5-5.5
5	142-167		No data	No data	0-0.92	0-0

SOIL MAP ID 126 **SSURGO**

USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-15	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction	4.23-14.11	5-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-15	Silt loam	construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5-6.5
2	15-85	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	85-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	5-6

SOIL MAP ID 127 **SSURGO**

USDA Soil Name	Bonnie,Taxadjunct
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Poorly drained
Hydric Classification	91
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-20	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-7.3
2	20-97	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	4.5-5.5
3	97-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	4.5-6.5

SOIL MAP ID 128 **SSURGO**

USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-7.3
2	10-51	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6
3	51-175	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	0.071-1.41	4.5-6

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	51-175	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	0.071-1.41	4.5-6
4	175-203	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.07-1.41	4.5-6

SOIL MAP ID 129 **SSURGO**

USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-15	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	4.23-14.11	4.5-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-15	Silt loam	of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6.5
2	15-56	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	56-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	4.5-6

SOIL MAP ID 130 **SSURGO**

USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-7.3
2	10-51	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6
3	51-175	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.071-1.41	4.5-6
4	175-203	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75	0.07-1.41	4.5-6

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
4	175-203	Silt loam	Transportation Officials, 1984.	mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.07-1.41	4.5-6

SOIL MAP ID 131 **SSURGO**

USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-23	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6.5
2	23-64	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in	4.23-14.11	4.5-5.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	23-64	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	64-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	4.5-6

SOIL MAP ID 132 **SSURGO**

USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-15	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75	4.23-14.11	5-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-15	Silt loam	Transportation Officials, 1984.	mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5-6.5
2	15-85	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	85-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	5-6

SOIL MAP ID 133	**SSURGO**
USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-15	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5-6.5
2	15-85	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	85-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	5-6

SOIL MAP ID 134 **SSURGO**

USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-23	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6.5
2	23-64	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	64-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	0.42-1.41	4.5-6

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	64-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	0.42-1.41	4.5-6

SOIL MAP ID 135 **SSURGO**

USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-23	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6.5
2	23-64	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	4.23-14.11	4.5-5.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	23-64	Silt loam	of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	64-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	4.5-6

SOIL MAP ID 136 **SSURGO**

USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-23	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	4.23-14.11	4.5-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-23	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6.5
2	23-64	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	64-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	4.5-6

SOIL MAP ID 137	SSURGO
USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-23	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6.5
2	23-64	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	64-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	0.42-1.41	4.5-6

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	64-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	0.42-1.41	4.5-6

SOIL MAP ID 138 **SSURGO**

USDA Soil Name	Belknap,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	B/D
Soil Drainage Class	Somewhat poorly drained
Hydric Classification	6
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-7.3
2	8-24	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	4.23-14.11	4.5-5.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	8-24	Silt loam	of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	24-195	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
4	195-255	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6.5

SOIL MAP ID 139 **SSURGO**

USDA Soil Name	Steinsburg,Taxadjunct
USDA Soil Texture	Loam
Hydrologic Soil Group	B
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14.11-42.34	3.6-5.5
2	8-64	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, sands with fines, Clayey Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14.11-42.34	3.6-5.5
3	64-99	Fine sandy loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14.11-42.34	3.6-5.5
4	99-124		No data	No data	0.01-1.41	0-0

SOIL MAP ID 140	SSURGO
USDA Soil Name	Belknap,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	B/D
Soil Drainage Class	Somewhat poorly drained
Hydric Classification	6
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-7.3
2	8-24	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	24-195	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	4.23-14.11	4.5-5.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	24-195	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
4	195-255	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6.5

SOIL MAP ID 141 **SSURGO**

USDA Soil Name	Zanesville,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	4.23-14.11	4.5-7.3

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-7.3
2	10-59	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	59-87	Silty clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-4.23	4.5-5.5
4	87-142	Clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-14.11	4.5-5.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
5	142-167		No data	No data	0-0.92	0-0

SOIL MAP ID 142 **SSURGO**

USDA Soil Name	Zanesville,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-7.3
2	10-59	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	59-87	Silty clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for	0.42-4.23	4.5-5.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	59-87	Silty clay loam	and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-4.23	4.5-5.5
4	87-142	Clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-14.11	4.5-5.5
5	142-167		No data	No data	0-0.92	0-0

SOIL MAP ID 143 **SSURGO**

USDA Soil Name	Robbs,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	D
Soil Drainage Class	Somewhat poorly drained
Hydric Classification	2
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-20	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and	4.23-14.11	4.5-6

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-20	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6
2	20-56	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	4.5-6
3	56-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	4.5-5.5

SOIL MAP ID 144 **SSURGO**

USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-23	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6.5
2	23-64	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	64-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	4.5-6

SOIL MAP ID 145	SSURGO
USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-7.3
2	10-51	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6
3	51-175	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	0.071-1.41	4.5-6

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	51-175	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	0.071-1.41	4.5-6
4	175-203	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.07-1.41	4.5-6

SOIL MAP ID 146 **SSURGO**

USDA Soil Name	Zanesville,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	4.23-14.11	4.5-7.3

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-7.3
2	10-59	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	59-87	Silty clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-4.23	4.5-5.5
4	87-142	Clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-14.11	4.5-5.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
5	142-167		No data	No data	0-0.92	0-0

SOIL MAP ID 147 **SSURGO**

USDA Soil Name	Zanesville,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-7.3
2	10-59	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	59-87	Silty clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for	0.42-4.23	4.5-5.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	59-87	Silty clay loam	and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-4.23	4.5-5.5
4	87-142	Clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-14.11	4.5-5.5
5	142-167		No data	No data	0-0.92	0-0

SOIL MAP ID 148 **SSURGO**

USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and	4.23-14.11	4.5-7.3

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-7.3
2	10-51	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6
3	51-175	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.071-1.41	4.5-6
4	175-203	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	0.07-1.41	4.5-6

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
4	175-203	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	0.07-1.41	4.5-6

SOIL MAP ID 149 **SSURGO**

USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-7.3
2	10-51	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	4.23-14.11	4.5-6

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	10-51	Silt loam	of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6
3	51-175	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.071-1.41	4.5-6
4	175-203	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.07-1.41	4.5-6

SOIL MAP ID 150 **SSURGO**

USDA Soil Name	Robbs,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	D
Soil Drainage Class	Somewhat poorly drained
Hydric Classification	2
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-20	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6
2	20-56	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	4.5-6
3	56-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	4.5-5.5

SOIL MAP ID 151	SSURGO
USDA Soil Name	Dumps,Miscellaneous area
USDA Soil Texture	Not Reported
Hydrologic Soil Group	Not Reported
Soil Drainage Class	Not Reported
Hydric Classification	100
Corrosion Potential - Uncoated Steel	Not Reported

SOIL MAP ID 152	SSURGO
USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-23	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6.5
2	23-64	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-5.5
3	64-203	Silt loam	Silt-Clay materials (more than 35%	FINE-GRAINED SOILS, Silts and clays (liquid	0.42-1.41	4.5-6

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	64-203	Silt loam	passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	4.5-6

SOIL MAP ID 153 **SSURGO**

USDA Soil Name	Robbs,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	D
Soil Drainage Class	Somewhat poorly drained
Hydric Classification	2
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-20	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6
2	20-56	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	1.41-4.23	4.5-6

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	20-56	Silt loam	of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	4.5-6
3	56-203	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	4.5-5.5

SOIL MAP ID 154 **SSURGO**

USDA Soil Name	Hosmer,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in	4.23-14.11	4.5-7.3

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-7.3
2	10-51	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	4.5-6
3	51-175	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.071-1.41	4.5-6
4	175-203	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and	0.07-1.41	4.5-6

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
4	175-203	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.07-1.41	4.5-6

SOIL MAP ID A **STATSGO**

USDA Soil Name	Grenada,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Moderately well drained
Hydric Classification	8
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-5	Silt loam	No data	No data	4.2343-14.1143	4.5-6
2	5-21	No data	No data	No data	4.2343-14.1143	4.5-6
3	21-24	Silt loam	No data	No data	4.2343-14.1143	4.5-6
4	24-42	No data	No data	No data	0.4234-1.4114	4.5-6
5	42-60	No data	No data	No data	0.4234-1.4114	5.1-7.3

SOIL MAP ID B **STATSGO**

USDA Soil Name	Belknap,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Somewhat poorly drained
Hydric Classification	26
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-13	Silt loam	No data	No data	1.4114-14.1143	4.5-7.3
2	13-59	Silt loam	No data	No data	1.4114-14.1143	4.5-6
3	59-65	No data	No data	No data	1.4114-14.1143	4.5-7.3

WATER AGENCY DATA:

WATER AGENCY SEARCH DISTANCES:

DATABASE:	SEARCH DISTANCE (MILES):
NWIS	1.000
OIL & GAS WELLS - KY	1.000
PWS	1.000
WELLS - KY	1.000

DISTANCE TO NEAREST:	DISTANCE:
NWIS	0.000 mi / 0 ft
OIL & GAS WELLS - KY	0.000 mi / 0 ft
PWS	0.918 mi / 4845 ft
WELLS - KY	0.000 mi / 0 ft

FEDERAL WATER AGENCY DATA SUMMARY:

MAP ID:	WELL ID:	LOCATION FROM SP:
7	372352087423001	< 1/8 Mile WSW
9	372317087411201	< 1/8 Mile S
B14	372418087393501 | 372418087393502	< 1/8 Mile E
B16	372417087393201	< 1/8 Mile E
17	372448087394101	1/8 - 1/4 Mile ENE
19	372304087403101	1/8 - 1/4 Mile SSE
20	372535087414101	1/8 - 1/4 Mile NNW
22	372315087392501	1/8 - 1/4 Mile SE
26	372341087420701	1/4 - 1/2 Mile SW
45	372301087392901 | 372301087392902	1/2 - 1 Mile SE
70	372258087390401	1/2 - 1 Mile SE
F71	372253087392001	1/2 - 1 Mile SE
F72	372253087391801	1/2 - 1 Mile SE
77	372607087424001	1/2 - 1 Mile NW
92	372259087384801	1/2 - 1 Mile SE
I99	372626087423001	1/2 - 1 Mile NW
102	372607087394301	1/2 - 1 Mile NE
M119	KY0540977	1/2 - 1 Mile ESE
M124	372301087383201	1/2 - 1 Mile ESE
131	372403087382001	1/2 - 1 Mile E

Note: PWS System location is not always the same as well location.

STATE/LOCAL WATER AGENCY DATA SUMMARY:

MAP ID:	WELL ID:	LOCATION FROM SP:
1	60003781	< 1/8 Mile N
2	16233003500000-66958	< 1/8 Mile N
3	16233015160000-58117	< 1/8 Mile SE
A4	00003791	< 1/8 Mile S

STATE/LOCAL WATER AGENCY DATA SUMMARY: *(cont.)*

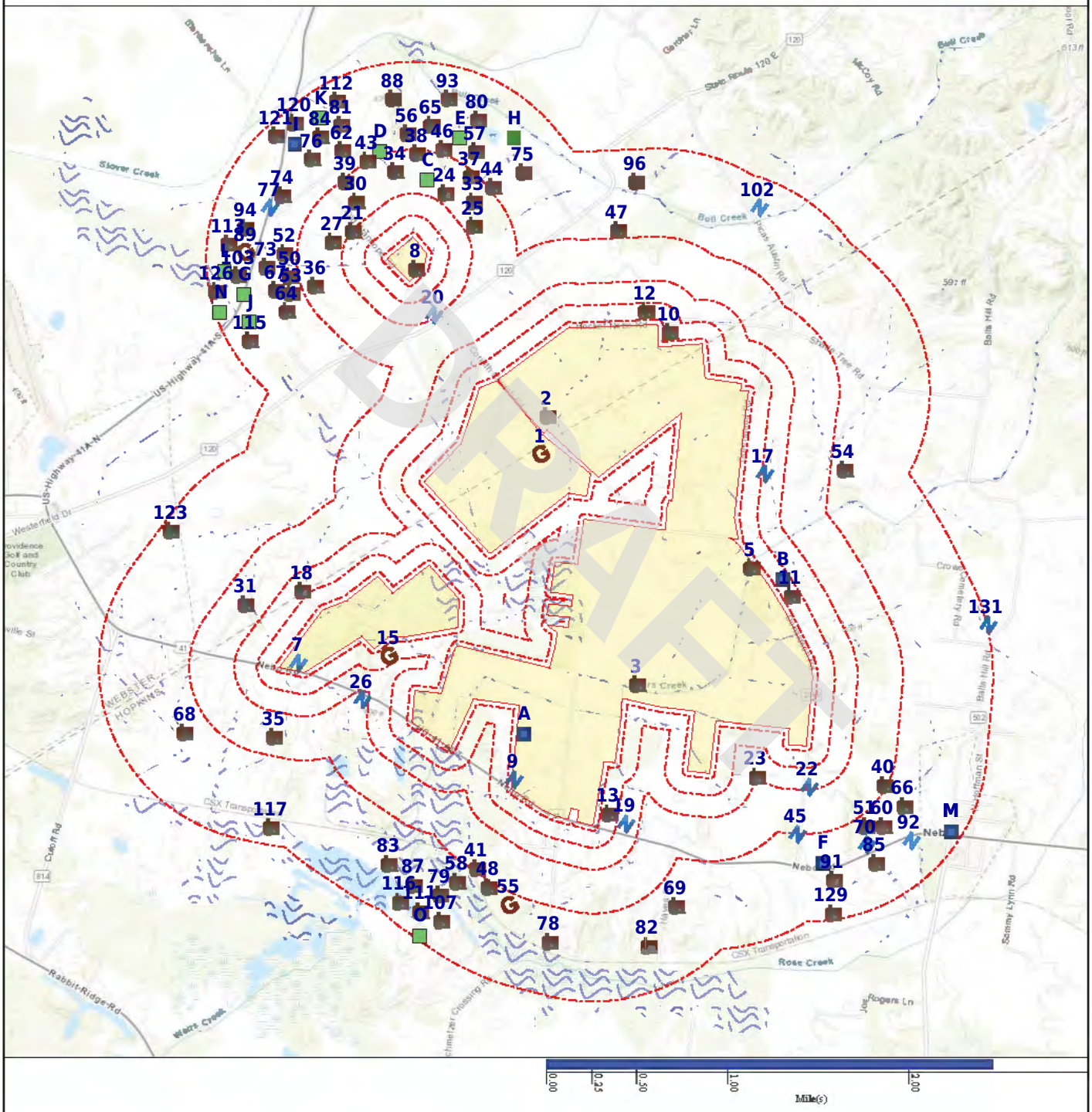
MAP ID:	WELL ID:	LOCATION FROM SP:
5	16107014280000-56056	< 1/8 Mile E
A6	00003790	< 1/8 Mile S
8	55812	< 1/8 Mile NNW
10	16233003490000-65717	< 1/8 Mile NE
11	16107014290000-56055	< 1/8 Mile ESE
12	16233013560000-57738	< 1/8 Mile NNE
13	16107007160000-58561	< 1/8 Mile SSE
15	00003784	< 1/8 Mile WSW
18	16233013640000-60602	1/8 - 1/4 Mile WSW
21	16233020020000-55694	1/8 - 1/4 Mile NW
23	56057	1/4 - 1/2 Mile SE
24	55814	1/4 - 1/2 Mile NNW
25	55844	1/4 - 1/2 Mile NNW
27	16233017920000-18067	1/4 - 1/2 Mile NW
C28	16233014190000-86124	1/4 - 1/2 Mile NNW
C29	16233021690000-59698	1/4 - 1/2 Mile NNW
30	16233019980000-55868	1/4 - 1/2 Mile NW
31	16101076140000-155474	1/4 - 1/2 Mile WSW
C32	16233001700000-82416	1/4 - 1/2 Mile NNW
33	115526 | 16233005780000-55866 | 55839	1/4 - 1/2 Mile NNW
34	16233013620000-59337	1/4 - 1/2 Mile NNW
35	16107020330000-46845	1/4 - 1/2 Mile WSW
36	16233003710000-55862	1/4 - 1/2 Mile NW
37	55838	1/4 - 1/2 Mile NNW
38	16233003380000-58226	1/4 - 1/2 Mile NNW
39	55865	1/4 - 1/2 Mile NW
40	16107010700000-11015	1/4 - 1/2 Mile ESE
41	16107029060000-159697	1/4 - 1/2 Mile SSW
D42	16233013630000-60412	1/2 - 1 Mile NNW
43	55845	1/2 - 1 Mile NNW
44	55835	1/2 - 1 Mile N
46	16233003350000-57376	1/2 - 1 Mile NNW
47	16233017150000-38807	1/2 - 1 Mile NNE
48	16107029070000-159698	1/2 - 1 Mile SSW
D49	16233020000000-18064	1/2 - 1 Mile NNW
50	16233011270000-55811	1/2 - 1 Mile NW
51	16107010720000-11013	1/2 - 1 Mile SE
52	16233011260000-55810	1/2 - 1 Mile NW
53	16233011240000-55813	1/2 - 1 Mile NW
54	16107014170000-56030	1/2 - 1 Mile E
55	80000394 | 80000395	1/2 - 1 Mile S
56	16233003390000-58367	1/2 - 1 Mile NNW
57	16233013280000-49860	1/2 - 1 Mile NNW
58	16107029050000-159695	1/2 - 1 Mile SSW
E59	16233003340000-57375	1/2 - 1 Mile NNW
60	16107000920000-11016	1/2 - 1 Mile SE
E61	16233017180000-18062	1/2 - 1 Mile NNW
62	16233003020000-56007	1/2 - 1 Mile NW
E63	16233009030000-47350	1/2 - 1 Mile NNW
64	16233017930000-55863	1/2 - 1 Mile NW
65	55823	1/2 - 1 Mile NNW
66	16107014230000-56231	1/2 - 1 Mile ESE
67	16233007200000-55842	1/2 - 1 Mile NW
68	16107012100000-64612	1/2 - 1 Mile WSW
69	16107016810000-52584	1/2 - 1 Mile SSE
73	16233007190000-55841	1/2 - 1 Mile NW
74	16233007160000-55697	1/2 - 1 Mile NW
75	16233019990000-18063	1/2 - 1 Mile N
76	16233010500000-55683	1/2 - 1 Mile NW
78	16107019060000-58218	1/2 - 1 Mile S
79	16107029010000-158638	1/2 - 1 Mile SSW
80	16233002160000-49859	1/2 - 1 Mile NNW
81	16233016830000-18059	1/2 - 1 Mile NNW

STATE/LOCAL WATER AGENCY DATA SUMMARY: *(cont.)*

MAP ID:	WELL ID:	LOCATION FROM SP:
82	16107017710000-58282	1/2 - 1 Mile SSE
83	16107029100000-159742	1/2 - 1 Mile SSW
84	16233002990000-55699	1/2 - 1 Mile NW
85	16107017480000-56227	1/2 - 1 Mile SE
G86	16233003050000-55827	1/2 - 1 Mile WNW
87	16107029120000-159734	1/2 - 1 Mile SSW
88	16233012120000-55682	1/2 - 1 Mile NNW
89	00005699	1/2 - 1 Mile NW
H90	55837	1/2 - 1 Mile N
91	16107019340000-56226 | 16107019350000-11020	1/2 - 1 Mile SE
93	55836	1/2 - 1 Mile NNW
94	16233014620000-55840	1/2 - 1 Mile NW
H95	16233026690000-141446	1/2 - 1 Mile N
96	55867	1/2 - 1 Mile NNE
I97	3000575	1/2 - 1 Mile NW
I98	3001501	1/2 - 1 Mile NW
J100	16233021810000-18069	1/2 - 1 Mile WNW
I101	16233024450000-157590	1/2 - 1 Mile NW
103	16233003040000-55826	1/2 - 1 Mile NW
G104	16233025160000-141741	1/2 - 1 Mile WNW
J105	16233003270000-55728	1/2 - 1 Mile WNW
K106	16233012220000-110598	1/2 - 1 Mile NW
107	16107029220000-159882	1/2 - 1 Mile SSW
I108	16233010510000-55695	1/2 - 1 Mile NW
K109	113056 | 56005	1/2 - 1 Mile NW
G110	16233021640000-55737	1/2 - 1 Mile WNW
111	16107029080000-159749	1/2 - 1 Mile SSW
112	16233016820000-55696	1/2 - 1 Mile NNW
113	16233019630000-55734	1/2 - 1 Mile NW
L114	16233018640000-18068	1/2 - 1 Mile NW
115	16233003230000-55726	1/2 - 1 Mile WNW
116	16107029290000-159988	1/2 - 1 Mile SSW
117	16107028170000-142878	1/2 - 1 Mile SW
L118	16233003260000-55738	1/2 - 1 Mile WNW
120	16233003000000-56006	1/2 - 1 Mile NW
121	16233017110000-18061	1/2 - 1 Mile NW
M122	80050253 | 80050254 | 80050257	1/2 - 1 Mile ESE
123	16233013950000-24663	1/2 - 1 Mile W
N125	16233003240000-55733	1/2 - 1 Mile WNW
126	16233003250000-55736	1/2 - 1 Mile WNW
O127	16107029160000-159788	1/2 - 1 Mile SSW
N128	16233013890000-55711	1/2 - 1 Mile WNW
129	16107010590000-11021	1/2 - 1 Mile SE
O130	16107029240000-159948	1/2 - 1 Mile SSW

SUBJECT NAME: Weirs Creek Solar Project
ADDRESS: Approximately 2000 Acres, Hopkins and Webs...
LAT/LONG: 37.408782 / -87.683200

PREPARED FOR: Environmental Consulting & Technology...
ORDER #: 85132
REPORT DATE: March 30, 2023



Map Id: 1
Direction: N
Distance: 0.000 mi., 0 ft.
Elevation: 380 ft.
Relative: Higher

Site Name : 60003781
37.415045, -87.683898
KY

Database(s) : [WELLS - KY]

Envirosite ID: 18608706
EPA ID: N/R

WELLS - KY

AKGWA Number :	60003781
AI Number :	N/R
Public ID :	N/R
Construction Date :	1950-01-01
Status :	N/R
Driller Certification Number :	N/R
Driller Name :	N/R
Owner Business Name :	N/R
Owner Name :	N/R
Primary Use :	DOMESTIC - SINGLE HOUSEHOLD
Quadrangle :	Nebo
Surface Elevation (Ft) :	N/R
Depth to Bedrock (Ft) :	N/R
Total Depth (Ft) :	N/R
Static Water Level (Ft) :	N/R
Regulatory Program :	N/R
County :	Webster
Latitude :	37.415045
Longitude :	-87.683898
Scanned Document :	n_a
Last Date in Agency List :	2017-12-01

Map Id: 2
Direction: N
Distance: 0.000 mi., 0 ft.
Elevation: 378 ft.
Relative: Higher

Site Name : 16233003500000-66958
37.418222, -87.68317
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41891530
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233003500000
KGS Record Number :	66958
Completion Date :	1986-11-05
Plugged Date :	1996-04-12
Surface Elevation :	374.0
County :	WEBSTER
Farm Name :	YOUNG ESTATE
Operator :	REYNOLDS RESOURCES, INC
Well Number :	1
Total Depth Formation :	333SGVV
Deepest Pay :	333MCLK
Well Classification :	Extension (outpost) well
Result :	Oil producer
Permit :	71699
Measure :	0
Vertical :	2851.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.418222
Longitude :	-87.683170

Map Id: 2
Direction: N
Distance: 0.000 mi., 0 ft.
Elevation: 378 ft.
Relative: Higher

Site Name : 16233003500000-66958
37.418222, -87.68317
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41891530
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Last Date in Agency List :	2023-03-06

Map Id: 3
Direction: SE
Distance: 0.000 mi., 0 ft.
Elevation: 371 ft.
Relative: Higher

Site Name : 16233015160000-58117
37.396035, -87.674073
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41896765
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233015160000
KGS Record Number :	58117
Completion Date :	1963-10-18
Plugged Date :	1963-10-18
Surface Elevation :	370.0
County :	HOPKINS
Farm Name :	TOWNSEND, GRACE
Operator :	PRESTON OIL CO
Well Number :	1
Total Depth Formation :	333MCLK
Deepest Pay :	000
Well Classification :	New pool wildcat
Result :	Dry & abandoned
Permit :	10312
Measure :	0
Vertical :	2732.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.396035
Longitude :	-87.674073
Last Date in Agency List :	2023-03-06

Map Id: A4
Direction: S
Distance: 0.000 mi., 0 ft.
Elevation: 383 ft.
Relative: Higher

Site Name : 00003791
37.392545, -87.685286
KY

Database(s) : [WELLS - KY]

Envirosite ID: 18615894
EPA ID: N/R

WELLS - KY

AKGWA Number :	00003791
AI Number :	N/R
Public ID :	N/R
Construction Date :	1986-08-27

Map Id: A4
Direction: S
Distance: 0.000 mi., 0 ft.
Elevation: 383 ft.
Relative: Higher

Site Name : 00003791
37.392545, -87.685286
KY

Database(s) : [WELLS - KY] ***(cont.)***

Envirosite ID: 18615894
EPA ID: N/R

WELLS - KY ***(cont.)***

Status :	ACTIVE
Driller Certification Number :	0018
Driller Name :	Kenneth York
Owner Business Name :	Island Creek Corp
Owner Name :	N/R
Primary Use :	DOMESTIC - SINGLE HOUSEHOLD
Quadrangle :	Nebo
Surface Elevation (Ft) :	380
Depth to Bedrock (Ft) :	12
Total Depth (Ft) :	240
Static Water Level (Ft) :	55
Regulatory Program :	N/R
County :	Hopkins
Latitude :	37.392545
Longitude :	-87.685286
Scanned Document :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2017-12-01

Map Id: 5
Direction: E
Distance: 0.000 mi., 0 ft.
Elevation: 381 ft.
Relative: Higher

Site Name : 16107014280000-56056
37.405674, -87.662716
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41841320
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107014280000
KGS Record Number :	56056
Completion Date :	1965-05-11
Plugged Date :	1965-05-11
Surface Elevation :	380.0
County :	HOPKINS
Farm Name :	TOWNSEND, GRACE
Operator :	MAIER, H PAUL
Well Number :	1
Total Depth Formation :	333AXVS
Deepest Pay :	000
Well Classification :	New pool wildcat
Result :	Dry & abandoned
Permit :	13793
Measure :	0
Vertical :	2842.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.405674
Longitude :	-87.662716
Last Date in Agency List :	2023-03-06

Map Id: A6
Direction: S
Distance: 0.000 mi., 0 ft.
Elevation: 383 ft.
Relative: Higher

Site Name : 00003790
37.391712, -87.685564
KY

Database(s) : [WELLS - KY]

Envirosite ID: 18615891
EPA ID: N/R

WELLS - KY

AKGWA Number :	00003790
AI Number :	N/R
Public ID :	N/R
Construction Date :	1986-08-13
Status :	PLUGGED
Driller Certification Number :	9999
Driller Name :	Unknown Driller
Owner Business Name :	Island Creek Corp
Owner Name :	N/R
Primary Use :	N/R
Quadrangle :	Nebo
Surface Elevation (Ft) :	385
Depth to Bedrock (Ft) :	N/R
Total Depth (Ft) :	N/R
Static Water Level (Ft) :	N/R
Regulatory Program :	N/R
County :	Hopkins
Latitude :	37.391712
Longitude :	-87.685564
Scanned Document :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2017-12-01

Map Id: 7
Direction: WSW
Distance: 0.000 mi., 0 ft.
Elevation: 429 ft.
Relative: Higher

Site Name : 372352087423001
37.397823, -87.708343
KY

Database(s) : [NWIS]

Envirosite ID: 18766330
EPA ID: N/R

NWIS

Site Identification Number :	372352087423001
Site Type :	Well
Station Name :	H9A0018
Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Hopkins County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	H9ASW
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	427.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5.
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R
Topographic Setting :	Hilltop
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1965-01-01

Map Id: 7
Direction: WSW
Distance: 0.000 mi., 0 ft.
Elevation: 429 ft.
Relative: Higher

Site Name : 372352087423001
37.397823, -87.708343
KY

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 18766330
EPA ID: N/R

NWIS ***(cont.)***

Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	70.0
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1967-05-01
Field Water-level Measurements End Date:	1967-05-01
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	37.397823
Longitude :	-87.708343
Last Date in Agency List :	2023-02-13

Map Id: 8
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 401 ft.
Relative: Higher

Site Name : 55812
37.430357, -87.696394
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41754108
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	N/R
KGS Record Number :	55812
Completion Date :	1964-02-10
Plugged Date :	1964-02-10
Surface Elevation :	399.0
County :	WEBSTER
Farm Name :	BAKER HEIRS
Operator :	MAIER, H PAUL
Well Number :	1
Total Depth Formation :	333MCLK
Deepest Pay :	000
Well Classification :	Extension (outpost) well

Map Id: 8
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 401 ft.
Relative: Higher

Site Name : 55812
37.430357, -87.696394
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41754108
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Result :	Dry & abandoned
Permit :	11076
Measure :	0
Vertical :	2792.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.430357
Longitude :	-87.696394
Last Date in Agency List :	2023-03-06

Map Id: 9
Direction: S
Distance: 0.004 mi., 19 ft.
Elevation: 385 ft.
Relative: Higher

Site Name : 372317087411201
37.3881, -87.686675
KY

Database(s) : [NWIS]

Envirosite ID: 18757647
EPA ID: N/R

NWIS

Site Identification Number :	372317087411201
Site Type :	Well
Station Name :	H9A0005
Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Hopkins County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	384
Method Altitude Determined :	Interpolated from Digital Elevation Model
Altitude Accuracy :	4.3
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R
Topographic Setting :	Hillside
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YNYNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	43.0
Hole Depth :	N/R
Source of Depth Data :	N/R

Map Id: 9
Direction: S
Distance: 0.004 mi., 19 ft.
Elevation: 385 ft.
Relative: Higher

Site Name : 372317087411201
37.3881, -87.686675
KY

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 18757647
EPA ID: N/R

NWIS ***(cont.)***

Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1951-07-27
Field Water-level Measurements End Date:	1951-07-27
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	37.3881
Longitude :	-87.686675
Last Date in Agency List :	2023-02-13

Map Id: 10
Direction: NE
Distance: 0.058 mi., 309 ft.
Elevation: 400 ft.
Relative: Higher

Site Name : 16233003490000-65717
37.425078, -87.670854
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41753010
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233003490000
KGS Record Number :	65717
Completion Date :	1985-12-06
Plugged Date :	N/R
Surface Elevation :	401.0
County :	WEBSTER
Farm Name :	TOWERY, JOHN HEIRS
Operator :	REYNOLDS RESOURCES, INC
Well Number :	2
Total Depth Formation :	333SGVV
Deepest Pay :	333OHAR
Well Classification :	Development well
Result :	Oil producer
Permit :	71191
Measure :	0
Vertical :	2750.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.425078
Longitude :	-87.670854
Last Date in Agency List :	2023-03-06

Map Id: 11
Direction: ESE
Distance: 0.066 mi., 347 ft.
Elevation: 412 ft.
Relative: Higher

Site Name : 16107014290000-56055
37.403309, -87.658618
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41923402
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107014290000
KGS Record Number :	56055
Completion Date :	1950-05-01
Plugged Date :	1950-05-01
Surface Elevation :	419.0
County :	HOPKINS
Farm Name :	FLOYD, MOLLY
Operator :	BANCROFT-MITCHELL ET AL
Well Number :	N/R
Total Depth Formation :	333MCLK
Deepest Pay :	000
Well Classification :	New pool wildcat
Result :	Dry & abandoned
Permit :	703WF
Measure :	0
Vertical :	2782.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.403309
Longitude :	-87.658618
Last Date in Agency List :	2023-03-06

Map Id: 12
Direction: NNE
Distance: 0.068 mi., 359 ft.
Elevation: 411 ft.
Relative: Higher

Site Name : 16233013560000-57738
37.4268, -87.673285
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41872466
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233013560000
KGS Record Number :	57738
Completion Date :	1985-07-16
Plugged Date :	1985-07-16
Surface Elevation :	408.0
County :	WEBSTER
Farm Name :	TOWERY, JOHN HEIRS
Operator :	REYNOLDS RESOURCES, INC
Well Number :	1
Total Depth Formation :	333STLS
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Dry & abandoned
Permit :	68879
Measure :	0
Vertical :	2956.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.426800

Map Id: 12
Direction: NNE
Distance: 0.068 mi., 359 ft.
Elevation: 411 ft.
Relative: Higher

Site Name : 16233013560000-57738
37.4268, -87.673285
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41872466
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Longitude :	-87.673285
Last Date in Agency List :	2023-03-06

Map Id: 13
Direction: SSE
Distance: 0.071 mi., 378 ft.
Elevation: 402 ft.
Relative: Higher

Site Name : 16107007160000-58561
37.3853, -87.676999
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41748268
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107007160000
KGS Record Number :	58561
Completion Date :	1954-09-25
Plugged Date :	N/R
Surface Elevation :	398.0
County :	WEBSTER
Farm Name :	CATES, ROBERT
Operator :	WALTON & PLEDGER
Well Number :	1
Total Depth Formation :	333SGVV
Deepest Pay :	000
Well Classification :	New pool wildcat
Result :	Dry & abandoned
Permit :	6107WF
Measure :	0
Vertical :	2665.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.385300
Longitude :	-87.676999
Last Date in Agency List :	2023-03-06

Map Id: B14
Direction: E
Distance: 0.075 mi., 395 ft.
Elevation: 405 ft.
Relative: Higher

Site Name : 372418087393501 | 372418087393502
37.405045, -87.65973
KY

Database(s) : [NWIS]

Envirosite ID: 18732110
EPA ID: N/R

NWIS

Site Identification Number :	372418087393502
Site Type :	Well
Station Name :	H9A0015

Map Id: B14
Direction: E
Distance: 0.075 mi., 395 ft.
Elevation: 405 ft.
Relative: Higher

Site Name : 372418087393501 | 372418087393502
37.405045, -87.65973
KY

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 18732110
EPA ID: N/R

NWIS ***(cont.)***

Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Hopkins County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	H9ASE
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	400.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5.
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R
Topographic Setting :	Hillside
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	100
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1967-05-01
Field Water-level Measurements End Date:	1967-05-01
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	37.405045
Longitude :	-87.65973
Last Date in Agency List :	2023-02-13

Site Identification Number :	372418087393501
Site Type :	Well
Station Name :	H9A0008
Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Hopkins County

Map Id: B14
Direction: E
Distance: 0.075 mi., 395 ft.
Elevation: 405 ft.
Relative: Higher

Site Name : 372418087393501 | 372418087393502
37.405045, -87.65973
KY

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 18732110
EPA ID: N/R

NWIS ***(cont.)***

Country :	USA
Land Net Location :	N/R
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	400.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5.
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R
Topographic Setting :	Hillside
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1965-01-01
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	175
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1967-05-01
Field Water-level Measurements End Date:	1967-05-01
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	37.405045
Longitude :	-87.65973
Last Date in Agency List :	2023-02-13

Map Id: 15
Direction: WSW
Distance: 0.087 mi., 458 ft.
Elevation: 375 ft.
Relative: Higher

Site Name : 00003784
37.398378, -87.699176
KY

Database(s) : [WELLS - KY]

Envirosite ID: 18615596
EPA ID: N/R

WELLS - KY

AKGWA Number :	00003784
AI Number :	N/R
Public ID :	N/R
Construction Date :	1986-04-29
Status :	ACTIVE
Driller Certification Number :	0018
Driller Name :	Kenneth York
Owner Business Name :	Island Creek Corp
Owner Name :	N/R
Primary Use :	DOMESTIC - SINGLE HOUSEHOLD
Quadrangle :	Nebo
Surface Elevation (Ft) :	410
Depth to Bedrock (Ft) :	12
Total Depth (Ft) :	190
Static Water Level (Ft) :	23
Regulatory Program :	N/R
County :	Hopkins
Latitude :	37.398378
Longitude :	-87.699176
Scanned Document :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2017-12-01

Map Id: B16
Direction: E
Distance: 0.104 mi., 550 ft.
Elevation: 408 ft.
Relative: Higher

Site Name : 372417087393201
37.404767, -87.658896
KY

Database(s) : [NWIS]

Envirosite ID: 18741890
EPA ID: N/R

NWIS

Site Identification Number :	372417087393201
Site Type :	Well
Station Name :	H9A0003
Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Hopkins County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	405
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R
Topographic Setting :	Hillside
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R

Map Id: B16
Direction: E
Distance: 0.104 mi., 550 ft.
Elevation: 408 ft.
Relative: Higher

Site Name : 372417087393201
37.404767, -87.658896
KY

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 18741890
EPA ID: N/R

NWIS ***(cont.)***

Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	260
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1967-05-25
Field Water-level Measurements End Date:	1967-05-25
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	37.404767
Longitude :	-87.658896
Last Date in Agency List :	2023-02-13

Map Id: 17
Direction: ENE
Distance: 0.131 mi., 694 ft.
Elevation: 399 ft.
Relative: Higher

Site Name : 372448087394101
37.413378, -87.661397
KY

Database(s) : [NWIS]

Envirosite ID: 18731411
EPA ID: N/R

NWIS

Site Identification Number :	372448087394101
Site Type :	Well
Station Name :	H9A0013
Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Hopkins County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	398.00

Map Id: 17
Direction: ENE
Distance: 0.131 mi., 694 ft.
Elevation: 399 ft.
Relative: Higher

Site Name : 372448087394101
37.413378, -87.661397
KY

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 18731411
EPA ID: N/R

NWIS ***(cont.)***

Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5.
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R
Topographic Setting :	Hilltop
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	N/R
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1967-05-01
Field Water-level Measurements End Date:	1967-05-01
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	37.413378
Longitude :	-87.661397
Last Date in Agency List :	2023-02-13

Map Id: 18
Direction: WSW
Distance: 0.159 mi., 839 ft.
Elevation: 402 ft.
Relative: Higher

Site Name : 16233013640000-60602
37.403725, -87.707927
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41738244
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233013640000
KGS Record Number :	60602
Completion Date :	1985-09-20

Map Id: 18
Direction: WSW
Distance: 0.159 mi., 839 ft.
Elevation: 402 ft.
Relative: Higher

Site Name : 16233013640000-60602
37.403725, -87.707927
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41738244
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Plugged Date :	1985-09-20
Surface Elevation :	414.0
County :	HOPKINS
Farm Name :	GIBSON, SHIRLEY
Operator :	TEXAS GAS TRANSMISSION CORP
Well Number :	17328
Total Depth Formation :	333STLS
Deepest Pay :	000
Well Classification :	New pool wildcat
Result :	Dry & abandoned
Permit :	69851
Measure :	0
Vertical :	2723.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.403725
Longitude :	-87.707927
Last Date in Agency List :	2023-03-06

Map Id: 19
Direction: SSE
Distance: 0.173 mi., 916 ft.
Elevation: 412 ft.
Relative: Higher

Site Name : 372304087403101
37.384489, -87.675286
KY

Database(s) : [NWIS]

Envirosite ID: 18724147
EPA ID: N/R

NWIS

Site Identification Number :	372304087403101
Site Type :	Well
Station Name :	H9A0010
Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Hopkins County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	412.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5.
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R
Topographic Setting :	Hillside
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R

Map Id: 19
Direction: SSE
Distance: 0.173 mi., 916 ft.
Elevation: 412 ft.
Relative: Higher

Site Name : 372304087403101
37.384489, -87.675286
KY

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 18724147
EPA ID: N/R

NWIS ***(cont.)***

Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	18.0
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1966-10-01
Field Water-level Measurements End Date:	1966-10-01
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	37.384489
Longitude :	-87.675286
Last Date in Agency List :	2023-02-13

Map Id: 20
Direction: NNW
Distance: 0.240 mi., 1266 ft.
Elevation: 392 ft.
Relative: Higher

Site Name : 372535087414101
37.426433, -87.694732
KY

Database(s) : [NWIS]

Envirosite ID: 18726292
EPA ID: N/R

NWIS

Site Identification Number :	372535087414101
Site Type :	Well
Station Name :	H9A0038
Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Webster County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	H9ACC
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	393.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5.

Map Id: 20
Direction: NNW
Distance: 0.240 mi., 1266 ft.
Elevation: 392 ft.
Relative: Higher

Site Name : 372535087414101
37.426433, -87.694732
KY

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 18726292
EPA ID: N/R

NWIS ***(cont.)***

Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R
Topographic Setting :	Hilltop
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	80.0
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1967-05-01
Field Water-level Measurements End Date:	1967-05-01
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	37.426433
Longitude :	-87.694732
Last Date in Agency List :	2023-02-13

Map Id: 21
Direction: NW
Distance: 0.244 mi., 1290 ft.
Elevation: 390 ft.
Relative: Higher

Site Name : 16233020020000-55694
37.433378, -87.702798
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41737942
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233020020000
KGS Record Number :	55694
Completion Date :	1974-09-15
Plugged Date :	1974-09-14
Surface Elevation :	390.0

Map Id: 21
Direction: NW
Distance: 0.244 mi., 1290 ft.
Elevation: 390 ft.
Relative: Higher

Site Name : 16233020020000-55694
37.433378, -87.702798
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41737942
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

County :	WEBSTER
Farm Name :	FOXWELL HEIRS
Operator :	ROSSI, PAUL
Well Number :	2A
Total Depth Formation :	333MCLK
Deepest Pay :	000
Well Classification :	Development well
Result :	Dry & abandoned
Permit :	28264
Measure :	0
Vertical :	2790.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.433378
Longitude :	-87.702798
Last Date in Agency List :	2023-03-06

Map Id: 22
Direction: SE
Distance: 0.246 mi., 1302 ft.
Elevation: 396 ft.
Relative: Higher

Site Name : 372315087392501
37.387545, -87.656952
KY

Database(s) : [NWIS]

Envirosite ID: 18748344
EPA ID: N/R

NWIS

Site Identification Number :	372315087392501
Site Type :	Well
Station Name :	H9A0014
Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Hopkins County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	H9AS
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	399.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5.
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R
Topographic Setting :	Flat surface
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.

Map Id: 22
Direction: SE
Distance: 0.246 mi., 1302 ft.
Elevation: 396 ft.
Relative: Higher

Site Name : 372315087392501
37.387545, -87.656952
KY

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 18748344
EPA ID: N/R

NWIS ***(cont.)***

Data-Other GW Files :	YNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	315
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1967-05-01
Field Water-level Measurements End Date:	1967-05-01
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	37.387545
Longitude :	-87.656952
Last Date in Agency List :	2023-02-13

Map Id: 23
Direction: SE
Distance: 0.256 mi., 1350 ft.
Elevation: 384 ft.
Relative: Higher

Site Name : 56057
37.38839, -87.662113
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41858972
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	N/R
KGS Record Number :	56057
Completion Date :	1943-12-27
Plugged Date :	N/R
Surface Elevation :	385.0
County :	HOPKINS
Farm Name :	GOOCH, C B
Operator :	DETRICK, H C
Well Number :	1
Total Depth Formation :	333MCLK
Deepest Pay :	000
Well Classification :	New pool wildcat
Result :	Dry & abandoned
Permit :	N/R
Measure :	0
Vertical :	2050.0

Map Id: 23
Direction: SE
Distance: 0.256 mi., 1350 ft.
Elevation: 384 ft.
Relative: Higher

Site Name : 56057
37.38839, -87.662113
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41858972
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.388390
Longitude :	-87.662113
Last Date in Agency List :	2023-03-06

Map Id: 24
Direction: NNW
Distance: 0.296 mi., 1563 ft.
Elevation: 440 ft.
Relative: Higher

Site Name : 55814
37.436536, -87.693466
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41735891
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	N/R
KGS Record Number :	55814
Completion Date :	1966-05-13
Plugged Date :	1995-11-14
Surface Elevation :	437.0
County :	WEBSTER
Farm Name :	RICE, THAN G
Operator :	MAIER, H PAUL
Well Number :	1
Total Depth Formation :	333SGVV
Deepest Pay :	327PNLVL
Well Classification :	Development well
Result :	Oil producer
Permit :	16575
Measure :	0
Vertical :	2824.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.436536
Longitude :	-87.693466
Last Date in Agency List :	2023-03-06

Map Id: 25
Direction: NNW
Distance: 0.297 mi., 1570 ft.
Elevation: 441 ft.
Relative: Higher

Site Name : 55844
37.4339, -87.690574
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41873731
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	N/R
KGS Record Number :	55844
Completion Date :	1966-09-24
Plugged Date :	1997-11-21
Surface Elevation :	439.0
County :	WEBSTER
Farm Name :	WELDON, J H
Operator :	CLINE, WALTER
Well Number :	1
Total Depth Formation :	333SGVV
Deepest Pay :	000
Well Classification :	Development well
Result :	Dry & abandoned
Permit :	17779
Measure :	0
Vertical :	2789.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.433900
Longitude :	-87.690574
Last Date in Agency List :	2023-03-06

Map Id: 26
Direction: SW
Distance: 0.299 mi., 1578 ft.
Elevation: 412 ft.
Relative: Higher

Site Name : 372341087420701
37.394767, -87.701954
KY

Database(s) : [NWIS]

Envirosite ID: 18766171
EPA ID: N/R

NWIS

Site Identification Number :	372341087420701
Site Type :	Well
Station Name :	H9A0001
Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Hopkins County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	N/R
Method Altitude Determined :	N/R
Altitude Accuracy :	N/R
Altitude Datum :	N/R
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN

Map Id: 26
Direction: SW
Distance: 0.299 mi., 1578 ft.
Elevation: 412 ft.
Relative: Higher

Site Name : 372341087420701
37.394767, -87.701954
KY

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 18766171
EPA ID: N/R

NWIS ***(cont.)***

Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	NNYNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	70.0
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	N/R
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	N/R
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	N/R
Field Water-Level Measurements Begin Date:	N/R
Field Water-level Measurements End Date:	N/R
Field Water-Level Measurements Count:	N/R
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	N/R
Latitude :	37.394767
Longitude :	-87.701954
Last Date in Agency List :	2023-02-13

Map Id: 27
Direction: NW
Distance: 0.321 mi., 1694 ft.
Elevation: 383 ft.
Relative: Higher

Site Name : 16233017920000-18067
37.432554, -87.70483
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41743768
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233017920000
KGS Record Number :	18067
Completion Date :	N/R
Plugged Date :	N/R
Surface Elevation :	388.0
County :	WEBSTER
Farm Name :	FOXWELL HEIRS
Operator :	ROSSI, PAUL
Well Number :	1A
Total Depth Formation :	000
Deepest Pay :	000

Map Id: 27
Direction: NW
Distance: 0.321 mi., 1694 ft.
Elevation: 383 ft.
Relative: Higher

Site Name : 16233017920000-18067
37.432554, -87.70483
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41743768
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Well Classification :	Unclassified
Result :	Terminated (permit expired or cancelled)
Permit :	28191
Measure :	0
Vertical :	0.0
Plot Symbol :	Locations for which a permit was issued but the permit was cancelled by the operator or allowed to expire. Wells with this designation are included to enable tracking the status of permits.
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.432554
Longitude :	-87.704830
Last Date in Agency List :	2023-03-06

Map Id: C28
Direction: NNW
Distance: 0.326 mi., 1722 ft.
Elevation: 435 ft.
Relative: Higher

Site Name : 16233014190000-86124
37.437508, -87.694699
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41758154
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233014190000
KGS Record Number :	86124
Completion Date :	1988-06-27
Plugged Date :	1988-08-10
Surface Elevation :	441.0
County :	WEBSTER
Farm Name :	RICE, THAN
Operator :	KELLOUS OIL, INC
Well Number :	1
Total Depth Formation :	333SGVV
Deepest Pay :	000
Well Classification :	Development well
Result :	Dry & abandoned
Permit :	76552
Measure :	0
Vertical :	3003.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.437508
Longitude :	-87.694699
Last Date in Agency List :	2023-03-06

Map Id: C29
Direction: NNW
Distance: 0.336 mi., 1775 ft.
Elevation: 443 ft.
Relative: Higher

Site Name : 16233021690000-59698
37.437837, -87.695653
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41781102
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233021690000
KGS Record Number :	59698
Completion Date :	N/R
Plugged Date :	N/R
Surface Elevation :	439.0
County :	WEBSTER
Farm Name :	TOWNSEND, C
Operator :	QUISENBERRY, GENE
Well Number :	1
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Terminated (permit expired or cancelled)
Permit :	69580
Measure :	0
Vertical :	0.0
Plot Symbol :	Locations for which a permit was issued but the permit was cancelled by the operator or allowed to expire. Wells with this designation are included to enable tracking the status of permits.
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.437837
Longitude :	-87.695653
Last Date in Agency List :	2023-03-06

Map Id: 30
Direction: NW
Distance: 0.355 mi., 1876 ft.
Elevation: 401 ft.
Relative: Higher

Site Name : 16233019980000-55868
37.43585, -87.70242
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41920095
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233019980000
KGS Record Number :	55868
Completion Date :	1966-04-10
Plugged Date :	1966-04-10
Surface Elevation :	399.0
County :	WEBSTER
Farm Name :	PINKSTON, A E
Operator :	PRUITT, A B
Well Number :	1
Total Depth Formation :	333SGVV
Deepest Pay :	000
Well Classification :	Development well
Result :	Dry & abandoned
Permit :	16400
Measure :	0
Vertical :	2800.0

Map Id: 30
Direction: NW
Distance: 0.355 mi., 1876 ft.
Elevation: 401 ft.
Relative: Higher

Site Name : 16233019980000-55868
37.43585, -87.70242
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41920095
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.435850
Longitude :	-87.702420
Last Date in Agency List :	2023-03-06

Map Id: 31
Direction: WSW
Distance: 0.362 mi., 1911 ft.
Elevation: 407 ft.
Relative: Higher

Site Name : 16101076140000-155474
37.402663, -87.713495
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41856492
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16101076140000
KGS Record Number :	155474
Completion Date :	N/R
Plugged Date :	N/R
Surface Elevation :	0.0
County :	HENDERSON
Farm Name :	UKNOWN
Operator :	UNKNOWN
Well Number :	UNKNOWN
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Location (new permit issued or insufficient data)
Permit :	N19924
Measure :	0
Vertical :	0.0
Plot Symbol :	Newly permitted locations or historic wells for which completion data are not available in the KGS database
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.402663
Longitude :	-87.713495
Last Date in Agency List :	2023-03-06

Map Id: C32
Direction: NNW
Distance: 0.371 mi., 1960 ft.
Elevation: 437 ft.
Relative: Higher

Site Name : 16233001700000-82416
37.438173, -87.694613
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41738945
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233001700000
KGS Record Number :	82416
Completion Date :	N/R
Plugged Date :	N/R
Surface Elevation :	442.0
County :	WEBSTER
Farm Name :	RICE, THAN
Operator :	KELLOUS OIL, INC
Well Number :	1
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Terminated (permit expired or cancelled)
Permit :	75578
Measure :	0
Vertical :	0.0
Plot Symbol :	Locations for which a permit was issued but the permit was cancelled by the operator or allowed to expire. Wells with this designation are included to enable tracking the status of permits.
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.438173
Longitude :	-87.694613
Last Date in Agency List :	2023-03-06

Map Id: 33
Direction: NNW
Distance: 0.379 mi., 1999 ft.
Elevation: 428 ft.
Relative: Higher

Site Name : 115526 | 16233005780000-55866 | 55839
37.43585, -87.690574
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41745786
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233005780000
KGS Record Number :	55866
Completion Date :	1966-01-10
Plugged Date :	1978-06-27
Surface Elevation :	430.0
County :	WEBSTER
Farm Name :	RAMSEY, W H
Operator :	SCHUCKER, RUSSELL
Well Number :	1
Total Depth Formation :	333SGVV
Deepest Pay :	000
Well Classification :	Development well
Result :	Dry & abandoned
Permit :	15552
Measure :	0

Map Id: 33
Direction: NNW
Distance: 0.379 mi., 1999 ft.
Elevation: 428 ft.
Relative: Higher

Site Name : 115526 | 16233005780000-55866 | 55839
37.43585, -87.690574
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41745786
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Vertical :	2869.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.435850
Longitude :	-87.690574
Last Date in Agency List :	2023-03-06

API Number :	N/R
KGS Record Number :	55839
Completion Date :	1965-01-10
Plugged Date :	1978-06-27
Surface Elevation :	430.0
County :	WEBSTER
Farm Name :	RAMSEY-TOWNSEND COMM
Operator :	HOFFMAN, GEORGE A
Well Number :	1
Total Depth Formation :	333MCLK
Deepest Pay :	333OHAR
Well Classification :	Deeper pool test
Result :	Oil producer
Permit :	15878
Measure :	0
Vertical :	2869.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.435850
Longitude :	-87.690574
Last Date in Agency List :	2023-03-06

API Number :	N/R
KGS Record Number :	115526
Completion Date :	N/R
Plugged Date :	1997-11-25
Surface Elevation :	430.0
County :	WEBSTER
Farm Name :	RAMSEY, W H (RAMSEY-TOWNSEND)
Operator :	WEBSTER COUNTY COAL
Well Number :	1
Total Depth Formation :	000
Deepest Pay :	333OHAR
Well Classification :	Development well
Result :	Oil producer
Permit :	15878
Measure :	0
Vertical :	2871.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.435850
Longitude :	-87.690574
Last Date in Agency List :	2023-03-06

Map Id: 34
Direction: NNW
Distance: 0.383 mi., 2025 ft.
Elevation: 432 ft.
Relative: Higher

Site Name : 16233013620000-59337
37.438359, -87.698494
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41755647
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233013620000
KGS Record Number :	59337
Completion Date :	1985-07-27
Plugged Date :	1985-08-22
Surface Elevation :	427.0
County :	WEBSTER
Farm Name :	PINKSTON, A
Operator :	QUISENBERRY, GENE
Well Number :	1
Total Depth Formation :	333STLS
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Dry & abandoned
Permit :	69454
Measure :	0
Vertical :	2880.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.438359
Longitude :	-87.698494
Last Date in Agency List :	2023-03-06

Map Id: 35
Direction: WSW
Distance: 0.407 mi., 2149 ft.
Elevation: 399 ft.
Relative: Higher

Site Name : 16107020330000-46845
37.391672, -87.710653
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41769961
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107020330000
KGS Record Number :	46845
Completion Date :	1984-12-13
Plugged Date :	1984-12-13
Surface Elevation :	339.0
County :	HOPKINS
Farm Name :	ISLAND CREEK COAL CO ET AL
Operator :	TEXAS GAS ALASKA CORP
Well Number :	17277
Total Depth Formation :	333SGVV
Deepest Pay :	000
Well Classification :	New pool wildcat
Result :	Dry & abandoned
Permit :	65513
Measure :	0
Vertical :	2603.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.391672

Map Id: 35
Direction: WSW
Distance: 0.407 mi., 2149 ft.
Elevation: 399 ft.
Relative: Higher

Site Name : 16107020330000-46845
37.391672, -87.710653
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41769961
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Longitude :	-87.710653
Last Date in Agency List :	2023-03-06

Map Id: 36
Direction: NW
Distance: 0.436 mi., 2303 ft.
Elevation: 381 ft.
Relative: Higher

Site Name : 16233003710000-55862
37.428888, -87.706551
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41763660
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233003710000
KGS Record Number :	55862
Completion Date :	1968-07-12
Plugged Date :	N/R
Surface Elevation :	380.0
County :	WEBSTER
Farm Name :	FOXWELL HEIRS
Operator :	TEMPLE DRILLING CO, INC
Well Number :	3
Total Depth Formation :	332CPRS
Deepest Pay :	332CPRS
Well Classification :	Development well
Result :	Dry & abandoned
Permit :	21193
Measure :	0
Vertical :	2325.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.428888
Longitude :	-87.706551
Last Date in Agency List :	2023-03-06

Map Id: 37
Direction: NNW
Distance: 0.458 mi., 2417 ft.
Elevation: 421 ft.
Relative: Higher

Site Name : 55838
37.437909, -87.690918
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41920671
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	N/R
KGS Record Number :	55838
Completion Date :	1966-03-04

Map Id: 37
Direction: NNW
Distance: 0.458 mi., 2417 ft.
Elevation: 421 ft.
Relative: Higher

Site Name : 55838
37.437909, -87.690918
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41920671
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Plugged Date :	1966-06-21
Surface Elevation :	426.0
County :	WEBSTER
Farm Name :	CLAYTON, RAYMOND
Operator :	HOFFMAN, GEORGE A
Well Number :	2
Total Depth Formation :	333MCLK
Deepest Pay :	333MCLK
Well Classification :	Deeper pool test
Result :	Oil producer
Permit :	16141
Measure :	0
Vertical :	2779.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.437909
Longitude :	-87.690918
Last Date in Agency List :	2023-03-06

Map Id: 38
Direction: NNW
Distance: 0.467 mi., 2468 ft.
Elevation: 438 ft.
Relative: Higher

Site Name : 16233003380000-58226
37.439787, -87.696292
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41730338
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233003380000
KGS Record Number :	58226
Completion Date :	1985-07-07
Plugged Date :	2005-11-01
Surface Elevation :	431.0
County :	WEBSTER
Farm Name :	BALL, D L
Operator :	QUISENBERRY, GENE
Well Number :	2
Total Depth Formation :	333WRSW
Deepest Pay :	332CPRS
Well Classification :	Deeper pool test
Result :	Gas producer
Permit :	69009
Measure :	0
Vertical :	3521.0
Plot Symbol :	Wells completed as gas wells (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.439787
Longitude :	-87.696292
Last Date in Agency List :	2023-03-06

Map Id: 39
Direction: NW
Distance: 0.479 mi., 2530 ft.
Elevation: 410 ft.
Relative: Higher

Site Name : 55865
37.437497, -87.703453
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41891455
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	N/R
KGS Record Number :	55865
Completion Date :	1966-05-21
Plugged Date :	1997-12-02
Surface Elevation :	410.0
County :	WEBSTER
Farm Name :	PINKSTON, A E
Operator :	PRUITT, A B
Well Number :	4
Total Depth Formation :	333SGVV
Deepest Pay :	000
Well Classification :	Development well
Result :	Dry & abandoned
Permit :	16819
Measure :	0
Vertical :	2861.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.437497
Longitude :	-87.703453
Last Date in Agency List :	2023-03-06

Map Id: 40
Direction: ESE
Distance: 0.488 mi., 2576 ft.
Elevation: 402 ft.
Relative: Higher

Site Name : 16107010700000-11015
37.387717, -87.649215
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41907577
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107010700000
KGS Record Number :	11015
Completion Date :	1981-08-03
Plugged Date :	1981-08-03
Surface Elevation :	401.0
County :	HOPKINS
Farm Name :	LYNN, ERSKIN
Operator :	QUATRO OIL VENTURES, INC
Well Number :	1
Total Depth Formation :	333SGVV
Deepest Pay :	000
Well Classification :	Development well
Result :	Dry & abandoned
Permit :	44026
Measure :	0
Vertical :	2779.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.387717

Map Id: 40
Direction: ESE
Distance: 0.488 mi., 2576 ft.
Elevation: 402 ft.
Relative: Higher

Site Name : 16107010700000-11015
37.387717, -87.649215
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41907577
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Longitude :	-87.649215
Last Date in Agency List :	2023-03-06

Map Id: 41
Direction: SSW
Distance: 0.497 mi., 2627 ft.
Elevation: 365 ft.
Relative: Lower

Site Name : 16107029060000-159697
37.380835, -87.690349
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41784305
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107029060000
KGS Record Number :	159697
Completion Date :	N/R
Plugged Date :	N/R
Surface Elevation :	360.0
County :	HOPKINS
Farm Name :	STANLEY, JERRY WAYNE
Operator :	SUNSHINE OIL & GAS, LLC
Well Number :	3 20-9
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Location (new permit issued or insufficient data)
Permit :	112930
Measure :	0
Vertical :	0.0
Plot Symbol :	Newly permitted locations or historic wells for which completion data are not available in the KGS database
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.380835
Longitude :	-87.690349
Last Date in Agency List :	2023-03-06

Map Id: D42
Direction: NNW
Distance: 0.503 mi., 2657 ft.
Elevation: 413 ft.
Relative: Higher

Site Name : 16233013630000-60412
37.439827, -87.699837
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41882668
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233013630000
KGS Record Number :	60412
Completion Date :	1985-08-16
Plugged Date :	1985-08-22
Surface Elevation :	411.0
County :	WEBSTER
Farm Name :	PINKSTON, A
Operator :	QUISENBERRY, GENE
Well Number :	2
Total Depth Formation :	333SGVV
Deepest Pay :	000
Well Classification :	Development well
Result :	Dry & abandoned
Permit :	69724
Measure :	0
Vertical :	2860.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.439827
Longitude :	-87.699837
Last Date in Agency List :	2023-03-06

Map Id: 43
Direction: NNW
Distance: 0.504 mi., 2661 ft.
Elevation: 420 ft.
Relative: Higher

Site Name : 55845
37.439281, -87.701284
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41895113
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	N/R
KGS Record Number :	55845
Completion Date :	1969-09-04
Plugged Date :	N/R
Surface Elevation :	410.0
County :	WEBSTER
Farm Name :	PINKSTON, A E
Operator :	CLINE, WALTER
Well Number :	1
Total Depth Formation :	332RNLT
Deepest Pay :	000
Well Classification :	Development well
Result :	Dry & abandoned
Permit :	22651
Measure :	0
Vertical :	2449.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.439281

Map Id: 43
Direction: NNW
Distance: 0.504 mi., 2661 ft.
Elevation: 420 ft.
Relative: Higher

Site Name : 55845
37.439281, -87.701284
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41895113
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Longitude :	-87.701284
Last Date in Agency List :	2023-03-06

Map Id: 44
Direction: N
Distance: 0.513 mi., 2709 ft.
Elevation: 422 ft.
Relative: Higher

Site Name : 55835
37.437085, -87.68868
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41878051
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	N/R
KGS Record Number :	55835
Completion Date :	1966-02-19
Plugged Date :	1978-07-07
Surface Elevation :	425.0
County :	WEBSTER
Farm Name :	RAMSEY-TOWNSEND COMM
Operator :	HOFFMAN, GEORGE A
Well Number :	2
Total Depth Formation :	333SGVV
Deepest Pay :	000
Well Classification :	Development well
Result :	Dry & abandoned
Permit :	15900
Measure :	0
Vertical :	2887.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.437085
Longitude :	-87.688680
Last Date in Agency List :	2023-03-06

Map Id: 45
Direction: SE
Distance: 0.518 mi., 2734 ft.
Elevation: 402 ft.
Relative: Higher

Site Name : 372301087392901 | 372301087392902
37.383656, -87.658063
KY

Database(s) : [NWIS]

Envirosite ID: 18755941
EPA ID: N/R

NWIS

Site Identification Number :	372301087392901
Site Type :	Well
Station Name :	H9A0017

Map Id: 45
Direction: SE
Distance: 0.518 mi., 2734 ft.
Elevation: 402 ft.
Relative: Higher

Site Name : 372301087392901 | 372301087392902
37.383656, -87.658063
KY

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 18755941
EPA ID: N/R

NWIS ***(cont.)***

Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Hopkins County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	H9ASE
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	399.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5.
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R
Topographic Setting :	Flat surface
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	49.0
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1967-05-01
Field Water-level Measurements End Date:	1967-05-01
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	37.383656
Longitude :	-87.658063
Last Date in Agency List :	2023-02-13

Site Identification Number :	372301087392902
Site Type :	Well
Station Name :	H9A0004
Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Hopkins County

Map Id: 45
Direction: SE
Distance: 0.518 mi., 2734 ft.
Elevation: 402 ft.
Relative: Higher

Site Name : 372301087392901 | 372301087392902
37.383656, -87.658063
KY

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 18755941
EPA ID: N/R

NWIS ***(cont.)***

Country :	USA
Land Net Location :	N/R
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	399.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5.
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R
Topographic Setting :	Flat surface
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	NNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	105
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	N/R
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	N/R
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	N/R
Field Water-Level Measurements Begin Date:	N/R
Field Water-level Measurements End Date:	N/R
Field Water-Level Measurements Count:	N/R
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	N/R
Latitude :	37.383656
Longitude :	-87.658063
Last Date in Agency List :	2023-02-13

Map Id: 46
Direction: NNW
Distance: 0.523 mi., 2764 ft.
Elevation: 430 ft.
Relative: Higher

Site Name : 16233003350000-57376
37.44024, -87.69364
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41840874
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233003350000
KGS Record Number :	57376
Completion Date :	1985-06-11
Plugged Date :	N/R
Surface Elevation :	424.0
County :	WEBSTER
Farm Name :	CLAYTON, RAYMOND
Operator :	QUISENBERRY, GENE
Well Number :	4
Total Depth Formation :	333SGVV
Deepest Pay :	333OHAR
Well Classification :	Development well
Result :	Oil producer
Permit :	68617
Measure :	0
Vertical :	2875.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.440240
Longitude :	-87.693640
Last Date in Agency List :	2023-03-06

Map Id: 47
Direction: NNE
Distance: 0.538 mi., 2842 ft.
Elevation: 401 ft.
Relative: Higher

Site Name : 16233017150000-38807
37.433515, -87.67611
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41874972
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233017150000
KGS Record Number :	38807
Completion Date :	1984-12-04
Plugged Date :	1985-12-05
Surface Elevation :	398.0
County :	WEBSTER
Farm Name :	CLAYTON, MARY
Operator :	REYNOLDS RESOURCES, INC
Well Number :	1
Total Depth Formation :	333STLS
Deepest Pay :	000
Well Classification :	Extension (outpost) well
Result :	Dry & abandoned
Permit :	63244
Measure :	0
Vertical :	2975.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.433515

Map Id: 47
Direction: NNE
Distance: 0.538 mi., 2842 ft.
Elevation: 401 ft.
Relative: Higher

Site Name : 16233017150000-38807
37.433515, -87.67611
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41874972
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Longitude :	-87.676110
Last Date in Agency List :	2023-03-06

Map Id: 48
Direction: SSW
Distance: 0.544 mi., 2874 ft.
Elevation: 367 ft.
Relative: Lower

Site Name : 16107029070000-159698
37.379311, -87.689088
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41934752
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107029070000
KGS Record Number :	159698
Completion Date :	2021-12-18
Plugged Date :	2021-09-10
Surface Elevation :	361.0
County :	HOPKINS
Farm Name :	AYERS, ROBERT C
Operator :	SUNSHINE OIL & GAS, LLC
Well Number :	1 20-11
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Location (new permit issued or insufficient data)
Permit :	112931
Measure :	0
Vertical :	2900.0
Plot Symbol :	Newly permitted locations or historic wells for which completion data are not available in the KGS database
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.379311
Longitude :	-87.689088
Last Date in Agency List :	2023-03-06

Map Id: D49
Direction: NNW
Distance: 0.548 mi., 2893 ft.
Elevation: 428 ft.
Relative: Higher

Site Name : 16233020000000-18064
37.440517, -87.699837
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41766188
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233020000000
KGS Record Number :	18064
Completion Date :	N/R
Plugged Date :	N/R
Surface Elevation :	427.0
County :	WEBSTER
Farm Name :	PINKSTON, A E
Operator :	PRUITT, A B
Well Number :	3
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Terminated (permit expired or cancelled)
Permit :	16690
Measure :	0
Vertical :	0.0
Plot Symbol :	Locations for which a permit was issued but the permit was cancelled by the operator or allowed to expire. Wells with this designation are included to enable tracking the status of permits.
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.440517
Longitude :	-87.699837
Last Date in Agency List :	2023-03-06

Map Id: 50
Direction: NW
Distance: 0.555 mi., 2929 ft.
Elevation: 381 ft.
Relative: Higher

Site Name : 16233011270000-55811
37.42967, -87.709101
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41753948
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233011270000
KGS Record Number :	55811
Completion Date :	1965-07-19
Plugged Date :	N/R
Surface Elevation :	379.0
County :	WEBSTER
Farm Name :	YOUNG, ANNA B ET AL
Operator :	MAIER, H PAUL
Well Number :	2
Total Depth Formation :	333MCLK
Deepest Pay :	332CPRS
Well Classification :	Development well
Result :	Oil producer
Permit :	13963
Measure :	0
Vertical :	2575.0

Map Id: 50
Direction: NW
Distance: 0.555 mi., 2929 ft.
Elevation: 381 ft.
Relative: Higher

Site Name : 16233011270000-55811
37.42967, -87.709101
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41753948
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.429670
Longitude :	-87.709101
Last Date in Agency List :	2023-03-06

Map Id: 51
Direction: SE
Distance: 0.570 mi., 3011 ft.
Elevation: 392 ft.
Relative: Higher

Site Name : 16107010720000-11013
37.384339, -87.651073
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41725598
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107010720000
KGS Record Number :	11013
Completion Date :	N/R
Plugged Date :	N/R
Surface Elevation :	426.0
County :	HOPKINS
Farm Name :	LYNN, ERSKIN
Operator :	QUATRO OIL VENTURES, INC
Well Number :	2
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Terminated (permit expired or cancelled)
Permit :	44398
Measure :	0
Vertical :	0.0
Plot Symbol :	Locations for which a permit was issued but the permit was cancelled by the operator or allowed to expire. Wells with this designation are included to enable tracking the status of permits.
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.384339
Longitude :	-87.651073
Last Date in Agency List :	2023-03-06

Map Id: 52
Direction: NW
Distance: 0.572 mi., 3020 ft.
Elevation: 378 ft.
Relative: Higher

Site Name : 16233011260000-55810
37.431593, -87.709618
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41843806
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233011260000
KGS Record Number :	55810
Completion Date :	1964-05-17
Plugged Date :	N/R
Surface Elevation :	376.0
County :	WEBSTER
Farm Name :	YOUNG, ANNA B ET AL
Operator :	MAIER, H PAUL
Well Number :	1
Total Depth Formation :	333MCLK
Deepest Pay :	332CPRS
Well Classification :	Development well
Result :	Oil producer
Permit :	11575
Measure :	0
Vertical :	2707.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.431593
Longitude :	-87.709618
Last Date in Agency List :	2023-03-06

Map Id: 53
Direction: NW
Distance: 0.572 mi., 3023 ft.
Elevation: 378 ft.
Relative: Higher

Site Name : 16233011240000-55813
37.428297, -87.708929
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41934964
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233011240000
KGS Record Number :	55813
Completion Date :	1965-11-06
Plugged Date :	N/R
Surface Elevation :	373.0
County :	WEBSTER
Farm Name :	FOXWELL HEIRS
Operator :	MAIER, H PAUL
Well Number :	1
Total Depth Formation :	333SGVV
Deepest Pay :	332CPRS
Well Classification :	Extension (outpost) well
Result :	Oil producer
Permit :	14580
Measure :	0
Vertical :	2302.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.428297

Map Id: 53
Direction: NW
Distance: 0.572 mi., 3023 ft.
Elevation: 378 ft.
Relative: Higher

Site Name : 16233011240000-55813
37.428297, -87.708929
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41934964
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Longitude :	-87.708929
Last Date in Agency List :	2023-03-06

Map Id: 54
Direction: E
Distance: 0.576 mi., 3041 ft.
Elevation: 402 ft.
Relative: Higher

Site Name : 16107014170000-56030
37.413718, -87.653208
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41872342
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107014170000
KGS Record Number :	56030
Completion Date :	1964-02-09
Plugged Date :	1964-02-01
Surface Elevation :	412.0
County :	HOPKINS
Farm Name :	HARRALSON, W E
Operator :	GALLAGHER, VICTOR R
Well Number :	N/R
Total Depth Formation :	333MCLK
Deepest Pay :	000
Well Classification :	New pool wildcat
Result :	Dry & abandoned
Permit :	11129
Measure :	0
Vertical :	2945.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.413718
Longitude :	-87.653208
Last Date in Agency List :	2023-03-06

Map Id: 55
Direction: S
Distance: 0.580 mi., 3064 ft.
Elevation: 384 ft.
Relative: Higher

Site Name : 80000394 | 80000395
37.377823, -87.686952
KY

Database(s) : [WELLS - KY]

Envirosite ID: 18596265
EPA ID: N/R

WELLS - KY

AKGWA Number :	80000395
AI Number :	N/R
Public ID :	N/R

Map Id: 55
Direction: S
Distance: 0.580 mi., 3064 ft.
Elevation: 384 ft.
Relative: Higher

Site Name : 80000394 | 80000395
37.377823, -87.686952
KY

Database(s) : [WELLS - KY] ***(cont.)***

Envirosite ID: 18596265
EPA ID: N/R

WELLS - KY ***(cont.)***

Construction Date :	1992-07-17
Status :	ACTIVE
Driller Certification Number :	0258
Driller Name :	Stan Inglis
Owner Business Name :	Sextet Mining Corp
Owner Name :	N/R
Primary Use :	MONITORING WELL - AMBIENT MONITORING
Quadrangle :	Nebo
Surface Elevation (Ft) :	362
Depth to Bedrock (Ft) :	6
Total Depth (Ft) :	136
Static Water Level (Ft) :	0
Regulatory Program :	N/R
County :	Hopkins
Latitude :	37.377823
Longitude :	-87.686952
Scanned Document :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2017-12-01

AKGWA Number :	80000394
AI Number :	N/R
Public ID :	N/R
Construction Date :	1992-07-15
Status :	ACTIVE
Driller Certification Number :	0258
Driller Name :	Stan Inglis
Owner Business Name :	Sextet Mining Corp
Owner Name :	N/R
Primary Use :	MONITORING WELL - AMBIENT MONITORING
Quadrangle :	Nebo
Surface Elevation (Ft) :	362
Depth to Bedrock (Ft) :	6
Total Depth (Ft) :	45
Static Water Level (Ft) :	0
Regulatory Program :	N/R
County :	Hopkins
Latitude :	37.377823
Longitude :	-87.686952
Scanned Document :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2017-12-01

Map Id: 56
Direction: NNW
Distance: 0.582 mi., 3074 ft.
Elevation: 426 ft.
Relative: Higher

Site Name : 16233003390000-58367
37.441434, -87.697239
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41735651
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233003390000

Map Id: 56
Direction: NNW
Distance: 0.582 mi., 3074 ft.
Elevation: 426 ft.
Relative: Higher

Site Name : 16233003390000-58367
37.441434, -87.697239
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41735651
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

KGS Record Number :	58367
Completion Date :	1985-07-18
Plugged Date :	2005-11-01
Surface Elevation :	428.0
County :	WEBSTER
Farm Name :	BALL, D L
Operator :	QUISENBERRY, GENE
Well Number :	3
Total Depth Formation :	333STLS
Deepest Pay :	333MCLK
Well Classification :	Development well
Result :	Oil producer
Permit :	69067
Measure :	0
Vertical :	2910.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.441434
Longitude :	-87.697239
Last Date in Agency List :	2023-03-06

Map Id: 57
Direction: NNW
Distance: 0.588 mi., 3105 ft.
Elevation: 430 ft.
Relative: Higher

Site Name : 16233013280000-49860
37.439993, -87.690402
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41750739
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233013280000
KGS Record Number :	49860
Completion Date :	1985-05-15
Plugged Date :	1985-05-15
Surface Elevation :	424.0
County :	WEBSTER
Farm Name :	CLAYTON, RAYMOND
Operator :	QUISENBERRY, GENE
Well Number :	3
Total Depth Formation :	333SGVV
Deepest Pay :	000
Well Classification :	Development well
Result :	Dry & abandoned
Permit :	66988
Measure :	0
Vertical :	2885.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.439993
Longitude :	-87.690402

Map Id: 57
Direction: NNW
Distance: 0.588 mi., 3105 ft.
Elevation: 430 ft.
Relative: Higher

Site Name : 16233013280000-49860
37.439993, -87.690402
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41750739
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Last Date in Agency List :	2023-03-06

Map Id: 58
Direction: SSW
Distance: 0.616 mi., 3253 ft.
Elevation: 359 ft.
Relative: Lower

Site Name : 16107029050000-159695
37.37977, -87.692204
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41753848
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107029050000
KGS Record Number :	159695
Completion Date :	N/R
Plugged Date :	N/R
Surface Elevation :	357.0
County :	HOPKINS
Farm Name :	STANLEY, JERRY WAYNE
Operator :	SUNSHINE OIL & GAS, LLC
Well Number :	2-20-8
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Location (new permit issued or insufficient data)
Permit :	112922
Measure :	0
Vertical :	0.0
Plot Symbol :	Newly permitted locations or historic wells for which completion data are not available in the KGS database
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.379770
Longitude :	-87.692204
Last Date in Agency List :	2023-03-06

Map Id: E59
Direction: NNW
Distance: 0.625 mi., 3303 ft.
Elevation: 412 ft.
Relative: Higher

Site Name : 16233003340000-57375
37.441215, -87.691694
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41883273
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233003340000

Map Id: E59
Direction: NNW
Distance: 0.625 mi., 3303 ft.
Elevation: 412 ft.
Relative: Higher

Site Name : 16233003340000-57375
37.441215, -87.691694
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41883273
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

KGS Record Number :	57375
Completion Date :	1985-06-03
Plugged Date :	N/R
Surface Elevation :	409.0
County :	WEBSTER
Farm Name :	CLAYTON, RAYMOND
Operator :	QUISENBERRY, GENE
Well Number :	1-TWIN
Total Depth Formation :	332RNLT
Deepest Pay :	332CPRS
Well Classification :	Development well
Result :	Oil producer
Permit :	68616
Measure :	0
Vertical :	2665.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.441215
Longitude :	-87.691694
Last Date in Agency List :	2023-03-06

Map Id: 60
Direction: SE
Distance: 0.628 mi., 3314 ft.
Elevation: 394 ft.
Relative: Higher

Site Name : 16107000920000-11016
37.384339, -87.649387
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41920931
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107000920000
KGS Record Number :	11016
Completion Date :	1981-08-31
Plugged Date :	N/R
Surface Elevation :	430.0
County :	HOPKINS
Farm Name :	LYNN, ERSKIN
Operator :	QUATRO OIL VENTURES, INC
Well Number :	2
Total Depth Formation :	333SGVV
Deepest Pay :	000
Well Classification :	Development well
Result :	Dry & abandoned
Permit :	44796
Measure :	0
Vertical :	2747.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.384339
Longitude :	-87.649387

Map Id: 60
Direction: SE
Distance: 0.628 mi., 3314 ft.
Elevation: 394 ft.
Relative: Higher

Site Name : 16107000920000-11016
37.384339, -87.649387
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41920931
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Last Date in Agency List :	2023-03-06

Map Id: E61
Direction: NNW
Distance: 0.630 mi., 3327 ft.
Elevation: 410 ft.
Relative: Higher

Site Name : 16233017180000-18062
37.441342, -87.691848
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41706515
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233017180000
KGS Record Number :	18062
Completion Date :	N/R
Plugged Date :	N/R
Surface Elevation :	402.0
County :	WEBSTER
Farm Name :	CLAYTON, RAYMOND
Operator :	HOFFMAN, GEORGE A
Well Number :	3
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Terminated (permit expired or cancelled)
Permit :	16572
Measure :	0
Vertical :	0.0
Plot Symbol :	Locations for which a permit was issued but the permit was cancelled by the operator or allowed to expire. Wells with this designation are included to enable tracking the status of permits.
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.441342
Longitude :	-87.691848
Last Date in Agency List :	2023-03-06

Map Id: 62
Direction: NW
Distance: 0.630 mi., 3327 ft.
Elevation: 394 ft.
Relative: Higher

Site Name : 16233003020000-56007
37.440105, -87.703798
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41756015
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233003020000
KGS Record Number :	56007
Completion Date :	1969-08-29
Plugged Date :	N/R
Surface Elevation :	390.0
County :	WEBSTER
Farm Name :	BROOKS, WILLIAM
Operator :	CLINE, WALTER
Well Number :	6
Total Depth Formation :	332RNLT
Deepest Pay :	000
Well Classification :	Development well
Result :	Dry & abandoned
Permit :	22650
Measure :	0
Vertical :	2404.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.440105
Longitude :	-87.703798
Last Date in Agency List :	2023-03-06

Map Id: E63
Direction: NNW
Distance: 0.632 mi., 3337 ft.
Elevation: 407 ft.
Relative: Higher

Site Name : 16233009030000-47350
37.44138, -87.691866
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41887268
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233009030000
KGS Record Number :	47350
Completion Date :	1984-12-31
Plugged Date :	N/R
Surface Elevation :	404.0
County :	WEBSTER
Farm Name :	CLAYTON, RAYMOND
Operator :	QUISENBERRY, GENE
Well Number :	1
Total Depth Formation :	333SGVV
Deepest Pay :	333OHAR
Well Classification :	Extension (outpost) well
Result :	Oil producer
Permit :	65709
Measure :	0
Vertical :	2900.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.441380

Map Id: E63
Direction: NNW
Distance: 0.632 mi., 3337 ft.
Elevation: 407 ft.
Relative: Higher

Site Name : 16233009030000-47350
37.44138, -87.691866
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41887268
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Longitude :	-87.691866
Last Date in Agency List :	2023-03-06

Map Id: 64
Direction: NW
Distance: 0.639 mi., 3376 ft.
Elevation: 377 ft.
Relative: Higher

Site Name : 16233017930000-55863
37.426787, -87.709377
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41855252
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233017930000
KGS Record Number :	55863
Completion Date :	1968-06-26
Plugged Date :	1968-06-26
Surface Elevation :	375.0
County :	WEBSTER
Farm Name :	FOXWELL HEIRS
Operator :	TEMPLE DRILLING CO, INC
Well Number :	2
Total Depth Formation :	327PNLVL
Deepest Pay :	000
Well Classification :	Development well
Result :	Dry & abandoned
Permit :	21094
Measure :	0
Vertical :	2286.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.426787
Longitude :	-87.709377
Last Date in Agency List :	2023-03-06

Map Id: 65
Direction: NNW
Distance: 0.640 mi., 3380 ft.
Elevation: 420 ft.
Relative: Higher

Site Name : 55823
37.442189, -87.694844
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41714075
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	N/R
KGS Record Number :	55823
Completion Date :	1971-09-18

Map Id: 65
Direction: NNW
Distance: 0.640 mi., 3380 ft.
Elevation: 420 ft.
Relative: Higher

Site Name : 55823
37.442189, -87.694844
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41714075
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Plugged Date :	1972-10-30
Surface Elevation :	420.0
County :	WEBSTER
Farm Name :	BALL, D L ET AL
Operator :	ROSSI, PAUL
Well Number :	2
Total Depth Formation :	333SGVV
Deepest Pay :	333MCLK
Well Classification :	Development well
Result :	Oil producer
Permit :	25105
Measure :	0
Vertical :	2796.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.442189
Longitude :	-87.694844
Last Date in Agency List :	2023-03-06

Map Id: 66
Direction: ESE
Distance: 0.642 mi., 3390 ft.
Elevation: 391 ft.
Relative: Higher

Site Name : 16107014230000-56231
37.385987, -87.647253
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41737986
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107014230000
KGS Record Number :	56231
Completion Date :	1965-07-21
Plugged Date :	1966-11-09
Surface Elevation :	409.0
County :	HOPKINS
Farm Name :	HARRIS, SYDNEY
Operator :	BROWNING, ILEY B & SONS
Well Number :	1
Total Depth Formation :	333SGVV
Deepest Pay :	333MCLK
Well Classification :	New pool wildcat
Result :	Oil producer
Permit :	14246
Measure :	0
Vertical :	2815.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.385987
Longitude :	-87.647253
Last Date in Agency List :	2023-03-06

Map Id: 67
Direction: NW
Distance: 0.647 mi., 3415 ft.
Elevation: 382 ft.
Relative: Higher

Site Name : 16233007200000-55842
37.428572, -87.710479
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41903387
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233007200000
KGS Record Number :	55842
Completion Date :	1965-08-01
Plugged Date :	N/R
Surface Elevation :	376.0
County :	WEBSTER
Farm Name :	HURLEY, OLIVER
Operator :	LOHMANN & JOHNSON DRILLING CO
Well Number :	2
Total Depth Formation :	332CPRS
Deepest Pay :	332CPRS
Well Classification :	Development well
Result :	Oil producer
Permit :	14474
Measure :	0
Vertical :	2295.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.428572
Longitude :	-87.710479
Last Date in Agency List :	2023-03-06

Map Id: 68
Direction: WSW
Distance: 0.652 mi., 3446 ft.
Elevation: 371 ft.
Relative: Higher

Site Name : 16107012100000-64612
37.39208, -87.71967
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41884683
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107012100000
KGS Record Number :	64612
Completion Date :	1985-12-19
Plugged Date :	1985-12-19
Surface Elevation :	372.0
County :	HOPKINS
Farm Name :	ISLAND CREEK COAL CO
Operator :	TEXAS GAS TRANSMISSION CORP
Well Number :	17334
Total Depth Formation :	333STLS
Deepest Pay :	000
Well Classification :	New pool wildcat
Result :	Dry & abandoned
Permit :	70910
Measure :	0
Vertical :	2570.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.392080

Map Id: 68
Direction: WSW
Distance: 0.652 mi., 3446 ft.
Elevation: 371 ft.
Relative: Higher

Site Name : 16107012100000-64612
37.39208, -87.71967
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41884683
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Longitude :	-87.719670
Last Date in Agency List :	2023-03-06

Map Id: 69
Direction: SSE
Distance: 0.654 mi., 3451 ft.
Elevation: 432 ft.
Relative: Higher

Site Name : 16107016810000-52584
37.377748, -87.670184
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41779061
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107016810000
KGS Record Number :	52584
Completion Date :	1963-04-22
Plugged Date :	N/R
Surface Elevation :	437.0
County :	HOPKINS
Farm Name :	CLAYTON, WALLACE
Operator :	FELMONT OIL CORP
Well Number :	1
Total Depth Formation :	333SGVV
Deepest Pay :	000
Well Classification :	New pool wildcat
Result :	Dry & abandoned
Permit :	8761
Measure :	0
Vertical :	2750.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.377748
Longitude :	-87.670184
Last Date in Agency List :	2023-03-06

Map Id: 70
Direction: SE
Distance: 0.658 mi., 3473 ft.
Elevation: 390 ft.
Relative: Higher

Site Name : 372258087390401
37.382823, -87.651118
KY

Database(s) : [NWIS]

Envirosite ID: 18757494
EPA ID: N/R

NWIS

Site Identification Number :	372258087390401
Site Type :	Well
Station Name :	H9A0016

Map Id: 70
Direction: SE
Distance: 0.658 mi., 3473 ft.
Elevation: 390 ft.
Relative: Higher

Site Name : 372258087390401
37.382823, -87.651118
KY

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 18757494
EPA ID: N/R

NWIS ***(cont.)***

Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Hopkins County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	H9ASE
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	390.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5.
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R
Topographic Setting :	Flat surface
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1966-01-01
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	104
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1966-10-01
Field Water-level Measurements End Date:	1966-10-01
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	37.382823
Longitude :	-87.651118
Last Date in Agency List :	2023-02-13

Map Id: F71
Direction: SE
Distance: 0.673 mi., 3556 ft.
Elevation: 422 ft.
Relative: Higher

Site Name : 372253087392001
37.381434, -87.655563
KY

Database(s) : [NWIS]

Envirosite ID: 18738968
EPA ID: N/R

NWIS

Site Identification Number :	372253087392001
Site Type :	Well
Station Name :	H9A0049
Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Hopkins County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	H9ASW
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	422.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5.
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R
Topographic Setting :	Hilltop
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	110
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1966-10-25
Field Water-level Measurements End Date:	1966-10-25
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	37.381434
Longitude :	-87.655563
Last Date in Agency List :	2023-02-13

Map Id: F72
Direction: SE
Distance: 0.678 mi., 3578 ft.
Elevation: 421 ft.
Relative: Higher

Site Name : 372253087391801
37.381434, -87.655007
KY

Database(s) : [NWIS]

Envirosite ID: 18731496
EPA ID: N/R

NWIS

Site Identification Number :	372253087391801
Site Type :	Well
Station Name :	H9A0051
Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Hopkins County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	H9ASE
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	422.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5.
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R
Topographic Setting :	Hilltop
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YNYNNNNN
National Aquifer :	N/R
Local Aquifer :	Lisman Formation
Local Aquifer Type :	N/R
Well Depth :	315
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	1967-06-07
Water-Quality Data End Date :	1967-06-07
Water-Quality Data Count :	1
Field Water-Level Measurements Begin Date:	1966-10-01
Field Water-level Measurements End Date:	1966-10-01
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	37.381434
Longitude :	-87.655007
Last Date in Agency List :	2023-02-13

Map Id: 73
Direction: NW
Distance: 0.678 mi., 3579 ft.
Elevation: 383 ft.
Relative: Higher

Site Name : 16233007190000-55841
37.430494, -87.711512
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41894002
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233007190000
KGS Record Number :	55841
Completion Date :	1964-11-23
Plugged Date :	2021-07-12
Surface Elevation :	383.0
County :	WEBSTER
Farm Name :	HURLEY, OLIVER
Operator :	LOHMANN & JOHNSON DRILLING CO
Well Number :	1
Total Depth Formation :	332CPRS
Deepest Pay :	332CPRS
Well Classification :	Development well
Result :	Oil producer
Permit :	12960
Measure :	0
Vertical :	2296.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.430494
Longitude :	-87.711512
Last Date in Agency List :	2023-03-06

Map Id: 74
Direction: NW
Distance: 0.682 mi., 3604 ft.
Elevation: 380 ft.
Relative: Higher

Site Name : 16233007160000-55697
37.436413, -87.70984
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41865824
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233007160000
KGS Record Number :	55697
Completion Date :	1963-08-02
Plugged Date :	N/R
Surface Elevation :	376.0
County :	WEBSTER
Farm Name :	BROOKS, WILLIAM
Operator :	LOHMANN & JOHNSON DRILLING CO
Well Number :	1
Total Depth Formation :	333SGVV
Deepest Pay :	332CPRS
Well Classification :	New pool wildcat
Result :	Gas producer
Permit :	9649
Measure :	0
Vertical :	2742.0
Plot Symbol :	Wells completed as gas wells (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.436413

Map Id: 74
Direction: NW
Distance: 0.682 mi., 3604 ft.
Elevation: 380 ft.
Relative: Higher

Site Name : 16233007160000-55697
37.436413, -87.70984
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41865824
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Longitude :	-87.709840
Last Date in Agency List :	2023-03-06

Map Id: 75
Direction: N
Distance: 0.699 mi., 3693 ft.
Elevation: 405 ft.
Relative: Higher

Site Name : 16233019990000-18063
37.438321, -87.68558
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41735804
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233019990000
KGS Record Number :	18063
Completion Date :	N/R
Plugged Date :	N/R
Surface Elevation :	441.0
County :	WEBSTER
Farm Name :	PINKSTON, A E
Operator :	PRUITT, A B
Well Number :	2
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Terminated (permit expired or cancelled)
Permit :	16689
Measure :	0
Vertical :	0.0
Plot Symbol :	Locations for which a permit was issued but the permit was cancelled by the operator or allowed to expire. Wells with this designation are included to enable tracking the status of permits.
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.438321
Longitude :	-87.685580
Last Date in Agency List :	2023-03-06

Map Id: 76
Direction: NW
Distance: 0.702 mi., 3705 ft.
Elevation: 407 ft.
Relative: Higher

Site Name : 16233010500000-55683
37.439419, -87.706897
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41849203
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233010500000
KGS Record Number :	55683
Completion Date :	1967-12-01
Plugged Date :	N/R
Surface Elevation :	399.0
County :	WEBSTER
Farm Name :	BROOKS, ROY
Operator :	TEMPLE DRILLING CO, INC
Well Number :	2
Total Depth Formation :	332CPRS
Deepest Pay :	327PNLVL
Well Classification :	Development well
Result :	Oil producer
Permit :	20019
Measure :	0
Vertical :	2395.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.439419
Longitude :	-87.706897
Last Date in Agency List :	2023-03-06

Map Id: 77
Direction: NW
Distance: 0.711 mi., 3753 ft.
Elevation: 377 ft.
Relative: Higher

Site Name : 372607087424001
37.435322, -87.711121
KY

Database(s) : [NWIS]

Envirosite ID: 18757000
EPA ID: N/R

NWIS

Site Identification Number :	372607087424001
Site Type :	Well
Station Name :	H9A0027
Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Webster County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	H9ACW
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	377
Method Altitude Determined :	Interpolated from Digital Elevation Model
Altitude Accuracy :	4.3
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN

Map Id: 77
Direction: NW
Distance: 0.711 mi., 3753 ft.
Elevation: 377 ft.
Relative: Higher

Site Name : 372607087424001
37.435322, -87.711121
KY

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 18757000
EPA ID: N/R

NWIS ***(cont.)***

Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	95.0
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1952-07-28
Field Water-level Measurements End Date:	1952-07-28
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	37.435322
Longitude :	-87.711121
Last Date in Agency List :	2023-02-13

Map Id: 78
Direction: S
Distance: 0.717 mi., 3787 ft.
Elevation: 375 ft.
Relative: Higher

Site Name : 16107019060000-58218
37.374744, -87.682997
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41707255
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107019060000
KGS Record Number :	58218
Completion Date :	1966-01-07
Plugged Date :	1966-01-07
Surface Elevation :	375.0
County :	HOPKINS
Farm Name :	GULF OIL CORP
Operator :	MIRO DRILLING CO, INC
Well Number :	1
Total Depth Formation :	332RNLT
Deepest Pay :	000

Map Id: 78
Direction: S
Distance: 0.717 mi., 3787 ft.
Elevation: 375 ft.
Relative: Higher

Site Name : 16107019060000-58218
37.374744, -87.682997
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41707255
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Well Classification :	New pool wildcat
Result :	Dry & abandoned
Permit :	15726
Measure :	0
Vertical :	2525.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.374744
Longitude :	-87.682997
Last Date in Agency List :	2023-03-06

Map Id: 79
Direction: SSW
Distance: 0.734 mi., 3874 ft.
Elevation: 367 ft.
Relative: Lower

Site Name : 16107029010000-158638
37.378709, -87.694032
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41715038
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107029010000
KGS Record Number :	158638
Completion Date :	2020-09-01
Plugged Date :	N/R
Surface Elevation :	364.0
County :	HOPKINS
Farm Name :	STANLEY, JERRY WAYNE
Operator :	SUNSHINE OIL & GAS, LLC
Well Number :	1 20-2
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Location (new permit issued or insufficient data)
Permit :	112878
Measure :	0
Vertical :	2570.0
Plot Symbol :	Newly permitted locations or historic wells for which completion data are not available in the KGS database
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.378709
Longitude :	-87.694032
Last Date in Agency List :	2023-03-06

Map Id: 80
Direction: NNW
Distance: 0.748 mi., 3952 ft.
Elevation: 390 ft.
Relative: Higher

Site Name : 16233002160000-49859
37.442601, -87.690178
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41749771
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233002160000
KGS Record Number :	49859
Completion Date :	1985-05-25
Plugged Date :	N/R
Surface Elevation :	387.0
County :	WEBSTER
Farm Name :	CLAYTON, RAYMOND
Operator :	QUISENBERRY, GENE
Well Number :	2
Total Depth Formation :	333SGVV
Deepest Pay :	332BTHL
Well Classification :	Development well
Result :	Oil producer
Permit :	66987
Measure :	0
Vertical :	2875.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.442601
Longitude :	-87.690178
Last Date in Agency List :	2023-03-06

Map Id: 81
Direction: NNW
Distance: 0.754 mi., 3983 ft.
Elevation: 382 ft.
Relative: Higher

Site Name : 16233016830000-18059
37.442203, -87.704004
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41765268
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233016830000
KGS Record Number :	18059
Completion Date :	1967-01-17
Plugged Date :	N/R
Surface Elevation :	385.0
County :	WEBSTER
Farm Name :	BROOKS, ROY
Operator :	CLINE, WALTER
Well Number :	4
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Dry & abandoned
Permit :	18252
Measure :	0
Vertical :	50.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.442203

Map Id: 81
Direction: NNW
Distance: 0.754 mi., 3983 ft.
Elevation: 382 ft.
Relative: Higher

Site Name : 16233016830000-18059
37.442203, -87.704004
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41765268
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Longitude :	-87.704004
Last Date in Agency List :	2023-03-06

Map Id: 82
Direction: SSE
Distance: 0.761 mi., 4018 ft.
Elevation: 383 ft.
Relative: Higher

Site Name : 16107017710000-58282
37.374401, -87.67304
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41717614
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107017710000
KGS Record Number :	58282
Completion Date :	1963-12-03
Plugged Date :	1963-12-03
Surface Elevation :	383.0
County :	HOPKINS
Farm Name :	DAUGHTERY
Operator :	MARHILL OIL & GAS CO
Well Number :	1
Total Depth Formation :	333SGVV
Deepest Pay :	000
Well Classification :	New pool wildcat
Result :	Dry & abandoned
Permit :	10727
Measure :	0
Vertical :	2568.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.374401
Longitude :	-87.673040
Last Date in Agency List :	2023-03-06

Map Id: 83
Direction: SSW
Distance: 0.762 mi., 4022 ft.
Elevation: 357 ft.
Relative: Lower

Site Name : 16107029100000-159742
37.381151, -87.69919
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41884880
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107029100000
KGS Record Number :	159742
Completion Date :	2021-03-24

Map Id: 83
Direction: SSW
Distance: 0.762 mi., 4022 ft.
Elevation: 357 ft.
Relative: Lower

Site Name : 16107029100000-159742
37.381151, -87.69919
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41884880
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Plugged Date :	2021-04-15
Surface Elevation :	361.0
County :	HOPKINS
Farm Name :	JPS TRUST & THOMAS, CHESTER
Operator :	SUNSHINE OIL & GAS, LLC
Well Number :	JPS/CT 15 20-14
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Location (new permit issued or insufficient data)
Permit :	112951
Measure :	0
Vertical :	2610.0
Plot Symbol :	Newly permitted locations or historic wells for which completion data are not available in the KGS database
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.381151
Longitude :	-87.699190
Last Date in Agency List :	2023-03-06

Map Id: 84
Direction: NW
Distance: 0.769 mi., 4063 ft.
Elevation: 399 ft.
Relative: Higher

Site Name : 16233002990000-55699
37.441255, -87.706036
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41722979
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233002990000
KGS Record Number :	55699
Completion Date :	1968-07-02
Plugged Date :	2005-03-09
Surface Elevation :	398.0
County :	WEBSTER
Farm Name :	BROOKS, WILLIAM
Operator :	CLINE, WALTER
Well Number :	4
Total Depth Formation :	332CPRS
Deepest Pay :	000
Well Classification :	Development well
Result :	Dry & abandoned
Permit :	20775
Measure :	0
Vertical :	2390.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.441255

Map Id: 84
Direction: NW
Distance: 0.769 mi., 4063 ft.
Elevation: 399 ft.
Relative: Higher

Site Name : 16233002990000-55699
37.441255, -87.706036
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41722979
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Longitude :	-87.706036
Last Date in Agency List :	2023-03-06

Map Id: 85
Direction: SE
Distance: 0.774 mi., 4085 ft.
Elevation: 389 ft.
Relative: Higher

Site Name : 16107017480000-56227
37.381318, -87.650179
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41745985
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107017480000
KGS Record Number :	56227
Completion Date :	1965-09-02
Plugged Date :	1965-09-02
Surface Elevation :	391.0
County :	HOPKINS
Farm Name :	CRAWFORD, CODY
Operator :	LYCO OIL CO, INC
Well Number :	1
Total Depth Formation :	332RNLT
Deepest Pay :	000
Well Classification :	Extension (outpost) well
Result :	Dry & abandoned
Permit :	14545
Measure :	0
Vertical :	2710.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.381318
Longitude :	-87.650179
Last Date in Agency List :	2023-03-06

Map Id: G86
Direction: WNW
Distance: 0.774 mi., 4086 ft.
Elevation: 378 ft.
Relative: Higher

Site Name : 16233003050000-55827
37.428434, -87.712837
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41859935
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233003050000
KGS Record Number :	55827
Completion Date :	1973-06-15

Map Id: G86
Direction: WNW
Distance: 0.774 mi., 4086 ft.
Elevation: 378 ft.
Relative: Higher

Site Name : 16233003050000-55827
37.428434, -87.712837
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41859935
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Plugged Date :	N/R
Surface Elevation :	371.0
County :	WEBSTER
Farm Name :	HURLEY, OLIVER
Operator :	ROSSI, PAUL
Well Number :	5
Total Depth Formation :	332CPRS
Deepest Pay :	332CPRS
Well Classification :	Development well
Result :	Oil producer
Permit :	26512
Measure :	0
Vertical :	2317.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.428434
Longitude :	-87.712837
Last Date in Agency List :	2023-03-06

Map Id: 87
Direction: SSW
Distance: 0.781 mi., 4122 ft.
Elevation: 376 ft.
Relative: Higher

Site Name : 16107029120000-159734
37.379465, -87.696571
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41856957
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107029120000
KGS Record Number :	159734
Completion Date :	2021-03-02
Plugged Date :	N/R
Surface Elevation :	372.0
County :	HOPKINS
Farm Name :	STANLEY, JERRY WAYNE
Operator :	SUNSHINE OIL & GAS, LLC
Well Number :	5 20-13
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Location (new permit issued or insufficient data)
Permit :	112959
Measure :	2614
Vertical :	2614.0
Plot Symbol :	Newly permitted locations or historic wells for which completion data are not available in the KGS database
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.379465

Map Id: 87
Direction: SSW
Distance: 0.781 mi., 4122 ft.
Elevation: 376 ft.
Relative: Higher

Site Name : 16107029120000-159734
37.379465, -87.696571
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41856957
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Longitude :	-87.696571
Last Date in Agency List :	2023-03-06

Map Id: 88
Direction: NNW
Distance: 0.786 mi., 4152 ft.
Elevation: 413 ft.
Relative: Higher

Site Name : 16233012120000-55682
37.444276, -87.698718
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41727696
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233012120000
KGS Record Number :	55682
Completion Date :	1948-10-07
Plugged Date :	N/R
Surface Elevation :	419.0
County :	WEBSTER
Farm Name :	BROOKS, ROY
Operator :	ASHLAND OIL & REFINING CO, INC
Well Number :	1
Total Depth Formation :	333MCLK
Deepest Pay :	000
Well Classification :	New pool wildcat
Result :	Dry & abandoned
Permit :	N10613
Measure :	0
Vertical :	2889.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.444276
Longitude :	-87.698718
Last Date in Agency List :	2023-03-06

Map Id: 89
Direction: NW
Distance: 0.792 mi., 4180 ft.
Elevation: 376 ft.
Relative: Higher

Site Name : 00005699
37.431712, -87.713621
KY

Database(s) : [WELLS - KY]

Envirosite ID: 18619194
EPA ID: N/R

WELLS - KY

AKGWA Number :	00005699
AI Number :	N/R
Public ID :	N/R

Map Id: 89
Direction: NW
Distance: 0.792 mi., 4180 ft.
Elevation: 376 ft.
Relative: Higher

Site Name : 00005699
37.431712, -87.713621
KY

Database(s) : [WELLS - KY] ***(cont.)***

Envirosite ID: 18619194
EPA ID: N/R

WELLS - KY ***(cont.)***

Construction Date :	1988-05-31
Status :	ACTIVE
Driller Certification Number :	0112
Driller Name :	Travis Combs
Owner Business Name :	N/R
Owner Name :	Roy Etherington
Primary Use :	DOMESTIC - SINGLE HOUSEHOLD
Quadrangle :	Nebo
Surface Elevation (Ft) :	370
Depth to Bedrock (Ft) :	22
Total Depth (Ft) :	333
Static Water Level (Ft) :	0
Regulatory Program :	N/R
County :	Webster
Latitude :	37.431712
Longitude :	-87.713621
Scanned Document :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2017-12-01

Map Id: H90
Direction: N
Distance: 0.792 mi., 4182 ft.
Elevation: 400 ft.
Relative: Higher

Site Name : 55837
37.441068, -87.686269
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41782747
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	N/R
KGS Record Number :	55837
Completion Date :	1964-05-05
Plugged Date :	1998-02-09
Surface Elevation :	405.0
County :	WEBSTER
Farm Name :	CLAYTON, RAYMOND
Operator :	HOFFMAN, GEORGE A
Well Number :	1
Total Depth Formation :	333SGVV
Deepest Pay :	332CPRS
Well Classification :	Extension (outpost) well
Result :	Oil producer
Permit :	11541
Measure :	0
Vertical :	2889.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.441068
Longitude :	-87.686269
Last Date in Agency List :	2023-03-06

Map Id: 91
Direction: SE
Distance: 0.792 mi., 4182 ft.
Elevation: 409 ft.
Relative: Higher

Site Name : 16107019340000-56226 | 16107019350000-11020
37.379849, -87.654325
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41710961
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107019350000
KGS Record Number :	11020
Completion Date :	1980-06-09
Plugged Date :	1986-10-30
Surface Elevation :	417.0
County :	HOPKINS
Farm Name :	HAYES & CRAWFORD
Operator :	EVANS, JOHN D
Well Number :	1
Total Depth Formation :	333MCLK
Deepest Pay :	333MCLK
Well Classification :	Extension (outpost) well
Result :	Oil producer
Permit :	37960
Measure :	0
Vertical :	2692.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.379849
Longitude :	-87.654325
Last Date in Agency List :	2023-03-06

API Number :	16107019340000
KGS Record Number :	56226
Completion Date :	1979-09-25
Plugged Date :	1979-09-25
Surface Elevation :	417.0
County :	HOPKINS
Farm Name :	HAYES & CRAWFORD
Operator :	EVANS, JOHN D
Well Number :	1
Total Depth Formation :	333MCLK
Deepest Pay :	000
Well Classification :	Extension (outpost) well
Result :	Dry & abandoned
Permit :	36218
Measure :	0
Vertical :	2686.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.379849
Longitude :	-87.654325
Last Date in Agency List :	2023-03-06

Map Id: 92
Direction: SE
Distance: 0.793 mi., 4186 ft.
Elevation: 391 ft.
Relative: Higher

Site Name : 372259087384801
37.3831, -87.646673
KY

Database(s) : [NWIS]

Envirosite ID: 18724119
EPA ID: N/R

NWIS

Site Identification Number :	372259087384801
Site Type :	Well
Station Name :	H9A0009
Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Hopkins County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	390
Method Altitude Determined :	Interpolated from Digital Elevation Model
Altitude Accuracy :	4.3
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1942-01-01
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	21.0
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1952-07-01
Field Water-level Measurements End Date:	1952-07-01
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	37.3831
Longitude :	-87.646673
Last Date in Agency List :	2023-02-13

Map Id: 93
Direction: NNW
Distance: 0.800 mi., 4223 ft.
Elevation: 381 ft.
Relative: Higher

Site Name : 55836
37.444276, -87.693122
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41712988
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	N/R
KGS Record Number :	55836
Completion Date :	1964-03-24
Plugged Date :	1967-11-14
Surface Elevation :	370.0
County :	WEBSTER
Farm Name :	BALL, D L
Operator :	HOFFMAN, GEORGE A
Well Number :	1
Total Depth Formation :	333SGVV
Deepest Pay :	327PNLVL
Well Classification :	Development well
Result :	Oil producer
Permit :	16134
Measure :	0
Vertical :	2809.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.444276
Longitude :	-87.693122
Last Date in Agency List :	2023-03-06

Map Id: 94
Direction: NW
Distance: 0.805 mi., 4253 ft.
Elevation: 373 ft.
Relative: Higher

Site Name : 16233014620000-55840
37.433652, -87.713577
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41777883
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233014620000
KGS Record Number :	55840
Completion Date :	1965-05-01
Plugged Date :	1989-08-15
Surface Elevation :	370.0
County :	WEBSTER
Farm Name :	MORGAN, JAMES
Operator :	LOHMANN & JOHNSON DRILLING CO
Well Number :	1
Total Depth Formation :	333SGVV
Deepest Pay :	332CPRS
Well Classification :	Development well
Result :	Gas producer
Permit :	13714
Measure :	0
Vertical :	2710.0
Plot Symbol :	Wells completed as gas wells (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.433652

Map Id: 94
Direction: NW
Distance: 0.805 mi., 4253 ft.
Elevation: 373 ft.
Relative: Higher

Site Name : 16233014620000-55840
37.433652, -87.713577
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41777883
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Longitude :	-87.713577
Last Date in Agency List :	2023-03-06

Map Id: H95
Direction: N
Distance: 0.806 mi., 4254 ft.
Elevation: 398 ft.
Relative: Higher

Site Name : 16233026690000-141446
37.441475, -87.686439
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41885875
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233026690000
KGS Record Number :	141446
Completion Date :	2011-08-04
Plugged Date :	2011-09-01
Surface Elevation :	399.0
County :	WEBSTER
Farm Name :	CLAYTON, RAYMOND
Operator :	KIRKWOOD EXCAVATING, INC.
Well Number :	5
Total Depth Formation :	333SGVV
Deepest Pay :	000
Well Classification :	Extension (outpost) well
Result :	Location (new permit issued or insufficient data)
Permit :	108214
Measure :	0
Vertical :	2992.0
Plot Symbol :	Newly permitted locations or historic wells for which completion data are not available in the KGS database
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.441475
Longitude :	-87.686439
Last Date in Agency List :	2023-03-06

Map Id: 96
Direction: NNE
Distance: 0.809 mi., 4270 ft.
Elevation: 397 ft.
Relative: Higher

Site Name : 55867
37.437497, -87.674252
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41902239
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	N/R
KGS Record Number :	55867
Completion Date :	1963-10-26
Plugged Date :	1963-10-26
Surface Elevation :	396.0
County :	WEBSTER
Farm Name :	HUGHES, MARY D
Operator :	SKILES OIL & MT CARMEL DRILLING
Well Number :	1
Total Depth Formation :	333SGVV
Deepest Pay :	000
Well Classification :	Development well
Result :	Dry & abandoned
Permit :	10332
Measure :	0
Vertical :	2953.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.437497
Longitude :	-87.674252
Last Date in Agency List :	2023-03-06

Map Id: I97
Direction: NW
Distance: 0.812 mi., 4289 ft.
Elevation: 404 ft.
Relative: Higher

Site Name : 3000575
37.440793, -87.707966
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41754530
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	N/R
KGS Record Number :	3000575
Completion Date :	N/R
Plugged Date :	N/R
Surface Elevation :	399.0
County :	WEBSTER
Farm Name :	BROOKS, RH
Operator :	TEMPLE DRILLING CO
Well Number :	2
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Location (new permit issued or insufficient data)
Permit :	N/R
Measure :	0
Vertical :	0.0
Plot Symbol :	Newly permitted locations or historic wells for which completion data are not available in the KGS database

Map Id: I97
Direction: NW
Distance: 0.812 mi., 4289 ft.
Elevation: 404 ft.
Relative: Higher

Site Name : 3000575
37.440793, -87.707966
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41754530
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.440793
Longitude :	-87.707966
Last Date in Agency List :	2023-03-06

Map Id: I98
Direction: NW
Distance: 0.815 mi., 4303 ft.
Elevation: 404 ft.
Relative: Higher

Site Name : 3001501
37.440837, -87.707976
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41738598
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	N/R
KGS Record Number :	3001501
Completion Date :	N/R
Plugged Date :	N/R
Surface Elevation :	399.0
County :	WEBSTER
Farm Name :	BROOKS, R H
Operator :	TEMPLE DRLG CO INC
Well Number :	2
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Location (new permit issued or insufficient data)
Permit :	19835
Measure :	0
Vertical :	0.0
Plot Symbol :	Newly permitted locations or historic wells for which completion data are not available in the KGS database
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.440837
Longitude :	-87.707976
Last Date in Agency List :	2023-03-06

Map Id: I99
Direction: NW
Distance: 0.815 mi., 4304 ft.
Elevation: 403 ft.
Relative: Higher

Site Name : 372626087423001
37.4406, -87.708344
KY

Database(s) : [NWIS]

Envirosite ID: 18722808
EPA ID: N/R

NWIS

Site Identification Number :	372626087423001
Site Type :	Well
Station Name :	H9A0026
Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Webster County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	H9ACW
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	405.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5.
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R
Topographic Setting :	Hilltop
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1966-01-01
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	125
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1967-05-25
Field Water-level Measurements End Date:	1967-05-25
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	37.4406
Longitude :	-87.708344
Last Date in Agency List :	2023-02-13

Map Id: J100
Direction: WNW
Distance: 0.820 mi., 4328 ft.
Elevation: 371 ft.
Relative: Higher

Site Name : 16233021810000-18069
37.425963, -87.712544
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41752835
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233021810000
KGS Record Number :	18069
Completion Date :	N/R
Plugged Date :	N/R
Surface Elevation :	368.0
County :	WEBSTER
Farm Name :	VAUGHN, ORVILLE
Operator :	KENNARD OIL CO, INC
Well Number :	3
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Terminated (permit expired or cancelled)
Permit :	14533
Measure :	0
Vertical :	0.0
Plot Symbol :	Locations for which a permit was issued but the permit was cancelled by the operator or allowed to expire. Wells with this designation are included to enable tracking the status of permits.
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.425963
Longitude :	-87.712544
Last Date in Agency List :	2023-03-06

Map Id: I101
Direction: NW
Distance: 0.821 mi., 4334 ft.
Elevation: 403 ft.
Relative: Higher

Site Name : 16233024450000-157590
37.440694, -87.70836
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41745204
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233024450000
KGS Record Number :	157590
Completion Date :	N/R
Plugged Date :	N/R
Surface Elevation :	0.0
County :	WEBSTER
Farm Name :	UNKNOWN
Operator :	UNKNOWN
Well Number :	?
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Location (new permit issued or insufficient data)
Permit :	N13557
Measure :	0
Vertical :	0.0

Map Id: I101
Direction: NW
Distance: 0.821 mi., 4334 ft.
Elevation: 403 ft.
Relative: Higher

Site Name : 16233024450000-157590
37.440694, -87.70836
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41745204
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Plot Symbol :	Newly permitted locations or historic wells for which completion data are not available in the KGS database
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.440694
Longitude :	-87.708360
Last Date in Agency List :	2023-03-06

Map Id: 102
Direction: NE
Distance: 0.822 mi., 4341 ft.
Elevation: 417 ft.
Relative: Higher

Site Name : 372607087394301
37.435322, -87.661952
KY

Database(s) : [NWIS]

Envirosite ID: 31379049
EPA ID: N/R

NWIS

Site Identification Number :	372607087394301
Site Type :	Well
Station Name :	H9A0047
Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Hopkins County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	H9ACC
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	412.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5.
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R
Topographic Setting :	Alluvial terrace
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	20.0
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0

Map Id: 102
Direction: NE
Distance: 0.822 mi., 4341 ft.
Elevation: 417 ft.
Relative: Higher

Site Name : 372607087394301
37.435322, -87.661952
KY

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 31379049
EPA ID: N/R

NWIS ***(cont.)***

Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1926-05-01
Field Water-level Measurements End Date:	1926-05-01
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	37.435322
Longitude :	-87.661952
Last Date in Agency List :	2023-02-13

Map Id: 103
Direction: NW
Distance: 0.831 mi., 4390 ft.
Elevation: 372 ft.
Relative: Higher

Site Name : 16233003040000-55826
37.42978, -87.714232
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41761147
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233003040000
KGS Record Number :	55826
Completion Date :	1972-10-05
Plugged Date :	N/R
Surface Elevation :	370.0
County :	WEBSTER
Farm Name :	HURLEY, OLIVER
Operator :	ROSSI, PAUL
Well Number :	3
Total Depth Formation :	332CPRS
Deepest Pay :	332CPRS
Well Classification :	Development well
Result :	Oil producer
Permit :	26328
Measure :	0
Vertical :	2321.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.429780
Longitude :	-87.714232
Last Date in Agency List :	2023-03-06

Map Id: G104
Direction: WNW
Distance: 0.840 mi., 4434 ft.
Elevation: 372 ft.
Relative: Higher

Site Name : 16233025160000-141741
37.428165, -87.71399
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41866634
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233025160000
KGS Record Number :	141741
Completion Date :	N/R
Plugged Date :	N/R
Surface Elevation :	368.0
County :	WEBSTER
Farm Name :	THRELKELD, LUCILLE
Operator :	VINCENT, REYNOLDS & ASSOCIATES
Well Number :	3
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Location (new permit issued or insufficient data)
Permit :	24202
Measure :	0
Vertical :	0.0
Plot Symbol :	Newly permitted locations or historic wells for which completion data are not available in the KGS database
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.428165
Longitude :	-87.713990
Last Date in Agency List :	2023-03-06

Map Id: J105
Direction: WNW
Distance: 0.850 mi., 4490 ft.
Elevation: 371 ft.
Relative: Higher

Site Name : 16233003270000-55728
37.426375, -87.713405
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41752375
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233003270000
KGS Record Number :	55728
Completion Date :	1971-12-02
Plugged Date :	N/R
Surface Elevation :	370.0
County :	WEBSTER
Farm Name :	HOFFMAN, GEORGE A & O VAUGHN
Operator :	REYNOLDS & VINCENT, INC
Well Number :	4
Total Depth Formation :	332CPRS
Deepest Pay :	332CPRS
Well Classification :	Development well
Result :	Oil producer
Permit :	25299
Measure :	0
Vertical :	2315.0
Plot Symbol :	Wells completed as oil (including abandoned producers)

Map Id: J105
Direction: WNW
Distance: 0.850 mi., 4490 ft.
Elevation: 371 ft.
Relative: Higher

Site Name : 16233003270000-55728
37.426375, -87.713405
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41752375
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.426375
Longitude :	-87.713405
Last Date in Agency List :	2023-03-06

Map Id: K106
Direction: NW
Distance: 0.852 mi., 4502 ft.
Elevation: 385 ft.
Relative: Higher

Site Name : 16233012220000-110598
37.442907, -87.705864
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41763676
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233012220000
KGS Record Number :	110598
Completion Date :	1994-09-15
Plugged Date :	N/R
Surface Elevation :	388.0
County :	WEBSTER
Farm Name :	BROOKS, WILLIAM
Operator :	ROSSI, PAUL
Well Number :	1-WS
Total Depth Formation :	320PNLV
Deepest Pay :	000
Well Classification :	Service well, EPA Class II injection
Result :	Water supply
Permit :	86156
Measure :	0
Vertical :	1410.0
Plot Symbol :	Secondary recovery input, water injection, and other miscellaneous well types associated with secondary or enhanced oil recovery (EPA Class II wells)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.442907
Longitude :	-87.705864
Last Date in Agency List :	2023-03-06

Map Id: 107
Direction: SSW
Distance: 0.854 mi., 4511 ft.
Elevation: 381 ft.
Relative: Higher

Site Name : 16107029220000-159882
37.376521, -87.693928
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 42867830
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107029220000
KGS Record Number :	159882
Completion Date :	N/R
Plugged Date :	N/R
Surface Elevation :	387.0
County :	HOPKINS
Farm Name :	BADGETT PROPERTIES LTD
Operator :	SUNSHINE OIL & GAS, LLC
Well Number :	2 21-12
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Location (new permit issued or insufficient data)
Permit :	113098
Measure :	0
Vertical :	0.0
Plot Symbol :	Newly permitted locations or historic wells for which completion data are not available in the KGS database
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.376521
Longitude :	-87.693928
Last Date in Agency List :	2023-03-06

Map Id: I108
Direction: NW
Distance: 0.856 mi., 4522 ft.
Elevation: 401 ft.
Relative: Higher

Site Name : 16233010510000-55695
37.441036, -87.708859
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41768268
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233010510000
KGS Record Number :	55695
Completion Date :	1969-09-09
Plugged Date :	N/R
Surface Elevation :	397.0
County :	WEBSTER
Farm Name :	BROOKS, ROY
Operator :	TEMPLE OPERATING CO, INC
Well Number :	3
Total Depth Formation :	332CPRS
Deepest Pay :	327PNLVL
Well Classification :	Development well
Result :	Oil producer
Permit :	22772
Measure :	0
Vertical :	2397.0
Plot Symbol :	Wells completed as oil (including abandoned producers)

Map Id: I108
Direction: NW
Distance: 0.856 mi., 4522 ft.
Elevation: 401 ft.
Relative: Higher

Site Name : 16233010510000-55695
37.441036, -87.708859
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41768268
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.441036
Longitude :	-87.708859
Last Date in Agency List :	2023-03-06

Map Id: K109
Direction: NW
Distance: 0.857 mi., 4526 ft.
Elevation: 386 ft.
Relative: Higher

Site Name : 113056 | 56005
37.442989, -87.705864
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41761462
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	N/R
KGS Record Number :	113056
Completion Date :	1966-04-09
Plugged Date :	2000-02-11
Surface Elevation :	377.0
County :	WEBSTER
Farm Name :	BROOKS, WILLIAM
Operator :	ROSSI, PAUL DBA ROSSI OIL CO
Well Number :	1
Total Depth Formation :	332CPRS
Deepest Pay :	332CPRS
Well Classification :	Service well, EPA Class II injection
Result :	Water injection
Permit :	16437
Measure :	0
Vertical :	2409.0
Plot Symbol :	Secondary recovery input, water injection, and other miscellaneous well types associated with secondary or enhanced oil recovery (EPA Class II wells)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.442989
Longitude :	-87.705864
Last Date in Agency List :	2023-03-06

API Number :	N/R
KGS Record Number :	56005
Completion Date :	1966-04-08
Plugged Date :	2000-02-11
Surface Elevation :	377.0
County :	WEBSTER
Farm Name :	BROOKS, WILLIAM
Operator :	CLINE, WALTER
Well Number :	1

Map Id: K109
Direction: NW
Distance: 0.857 mi., 4526 ft.
Elevation: 386 ft.
Relative: Higher

Site Name : 113056 | 56005
37.442989, -87.705864
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41761462
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Total Depth Formation :	332CPRS
Deepest Pay :	000
Well Classification :	Development well
Result :	Oil producer
Permit :	16437
Measure :	0
Vertical :	2409.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.442989
Longitude :	-87.705864
Last Date in Agency List :	2023-03-06

Map Id: G110
Direction: WNW
Distance: 0.860 mi., 4542 ft.
Elevation: 370 ft.
Relative: Higher

Site Name : 16233021640000-55737
37.428599, -87.714507
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41902180
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233021640000
KGS Record Number :	55737
Completion Date :	1971-11-20
Plugged Date :	1986-11-21
Surface Elevation :	368.0
County :	WEBSTER
Farm Name :	THRELKELD, LUCILLE
Operator :	REYNOLDS & VINCENT, INC
Well Number :	3
Total Depth Formation :	333MCLK
Deepest Pay :	332CPRS
Well Classification :	Development well
Result :	Oil producer
Permit :	25301
Measure :	0
Vertical :	2538.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.428599
Longitude :	-87.714507
Last Date in Agency List :	2023-03-06

Map Id: 111
Direction: SSW
Distance: 0.877 mi., 4631 ft.
Elevation: 408 ft.
Relative: Higher

Site Name : 16107029080000-159749
37.37727, -87.696
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41754587
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107029080000
KGS Record Number :	159749
Completion Date :	2021-03-11
Plugged Date :	N/R
Surface Elevation :	373.0
County :	HOPKINS
Farm Name :	STANLEY, JERRY WAYNE
Operator :	SUNSHINE OIL & GAS, LLC
Well Number :	4 20-10
Total Depth Formation :	000
Deepest Pay :	333MCLK
Well Classification :	Unclassified
Result :	Location (new permit issued or insufficient data)
Permit :	112944
Measure :	2550
Vertical :	2550.0
Plot Symbol :	Newly permitted locations or historic wells for which completion data are not available in the KGS database
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.377270
Longitude :	-87.696000
Last Date in Agency List :	2023-03-06

Map Id: 112
Direction: NNW
Distance: 0.884 mi., 4668 ft.
Elevation: 379 ft.
Relative: Higher

Site Name : 16233016820000-55696
37.444194, -87.704418
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41845605
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233016820000
KGS Record Number :	55696
Completion Date :	1966-12-06
Plugged Date :	1966-12-08
Surface Elevation :	377.0
County :	WEBSTER
Farm Name :	BROOKS, ROY
Operator :	CLINE, WALTER
Well Number :	3
Total Depth Formation :	333SGVV
Deepest Pay :	000
Well Classification :	Development well
Result :	Dry & abandoned
Permit :	18251
Measure :	0
Vertical :	2699.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)

Map Id: 112
Direction: NNW
Distance: 0.884 mi., 4668 ft.
Elevation: 379 ft.
Relative: Higher

Site Name : 16233016820000-55696
37.444194, -87.704418
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41845605
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.444194
Longitude :	-87.704418
Last Date in Agency List :	2023-03-06

Map Id: 113
Direction: NW
Distance: 0.886 mi., 4681 ft.
Elevation: 372 ft.
Relative: Higher

Site Name : 16233019630000-55734
37.432389, -87.715299
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41745539
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233019630000
KGS Record Number :	55734
Completion Date :	1973-09-02
Plugged Date :	1973-09-02
Surface Elevation :	376.0
County :	WEBSTER
Farm Name :	MORGAN, JAMES (MIN), JONES(SURF)
Operator :	REYNOLDS & VINCENT, INC
Well Number :	1
Total Depth Formation :	332CPRS
Deepest Pay :	000
Well Classification :	Development well
Result :	Dry & abandoned
Permit :	27172
Measure :	0
Vertical :	2355.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.432389
Longitude :	-87.715299
Last Date in Agency List :	2023-03-06

Map Id: L114
Direction: NW
Distance: 0.887 mi., 4686 ft.
Elevation: 371 ft.
Relative: Higher

Site Name : 16233018640000-18068
37.430906, -87.715368
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41727195
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233018640000
KGS Record Number :	18068
Completion Date :	N/R
Plugged Date :	N/R
Surface Elevation :	368.0
County :	WEBSTER
Farm Name :	HURLEY, OLIVER
Operator :	ROSSI, PAUL
Well Number :	4
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Terminated (permit expired or cancelled)
Permit :	26511
Measure :	0
Vertical :	0.0
Plot Symbol :	Locations for which a permit was issued but the permit was cancelled by the operator or allowed to expire. Wells with this designation are included to enable tracking the status of permits.
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.430906
Longitude :	-87.715368
Last Date in Agency List :	2023-03-06

Map Id: 115
Direction: WNW
Distance: 0.900 mi., 4752 ft.
Elevation: 371 ft.
Relative: Higher

Site Name : 16233003230000-55726
37.424373, -87.713095
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41855705
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233003230000
KGS Record Number :	55726
Completion Date :	1970-06-08
Plugged Date :	1987-08-14
Surface Elevation :	370.0
County :	WEBSTER
Farm Name :	HOFFMAN, GEORGE A & O VAUGHN
Operator :	REYNOLDS & VINCENT, INC
Well Number :	2
Total Depth Formation :	333MCLK
Deepest Pay :	332CPRS
Well Classification :	Development well
Result :	Oil producer
Permit :	23632
Measure :	0
Vertical :	2575.0

Map Id: 115
Direction: WNW
Distance: 0.900 mi., 4752 ft.
Elevation: 371 ft.
Relative: Higher

Site Name : 16233003230000-55726
37.424373, -87.713095
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41855705
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.424373
Longitude :	-87.713095
Last Date in Agency List :	2023-03-06

Map Id: 116
Direction: SSW
Distance: 0.906 mi., 4783 ft.
Elevation: 378 ft.
Relative: Higher

Site Name : 16107029290000-159988
37.378078, -87.698044
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 45117386
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107029290000
KGS Record Number :	159988
Completion Date :	2021-03-02
Plugged Date :	N/R
Surface Elevation :	371.0
County :	HOPKINS
Farm Name :	STANLEY, JERRY WAYNE
Operator :	SUNSHINE OIL & GAS, LLC
Well Number :	COMM 1 21-19
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Location (new permit issued or insufficient data)
Permit :	113143
Measure :	0
Vertical :	2590.0
Plot Symbol :	Newly permitted locations or historic wells for which completion data are not available in the KGS database
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.378078
Longitude :	-87.698044
Last Date in Agency List :	2023-03-06

Map Id: 117
Direction: SW
Distance: 0.911 mi., 4812 ft.
Elevation: 375 ft.
Relative: Higher

Site Name : 16107028170000-142878
37.384268, -87.710983
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41719124
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107028170000
KGS Record Number :	142878
Completion Date :	N/R
Plugged Date :	N/R
Surface Elevation :	382.0
County :	HOPKINS
Farm Name :	THOMAS, CHESTER M & JPS IRREVOCABLE TRUST
Operator :	SUNSHINE OIL & GAS, LLC
Well Number :	6
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Terminated (permit expired or cancelled)
Permit :	109279
Measure :	0
Vertical :	0.0
Plot Symbol :	Locations for which a permit was issued but the permit was cancelled by the operator or allowed to expire. Wells with this designation are included to enable tracking the status of permits.
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.384268
Longitude :	-87.710983
Last Date in Agency List :	2023-03-06

Map Id: L118
Direction: WNW
Distance: 0.916 mi., 4839 ft.
Elevation: 371 ft.
Relative: Higher

Site Name : 16233003260000-55738
37.429808, -87.715798
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41881927
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233003260000
KGS Record Number :	55738
Completion Date :	1972-11-16
Plugged Date :	N/R
Surface Elevation :	368.0
County :	WEBSTER
Farm Name :	THRELKELD, LUCILLE
Operator :	REYNOLDS & VINCENT, INC
Well Number :	4
Total Depth Formation :	332CPRS
Deepest Pay :	332CPRS
Well Classification :	Development well
Result :	Oil producer
Permit :	25302
Measure :	0
Vertical :	2315.0

Map Id: L118
Direction: WNW
Distance: 0.916 mi., 4839 ft.
Elevation: 371 ft.
Relative: Higher

Site Name : 16233003260000-55738
37.429808, -87.715798
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41881927
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.429808
Longitude :	-87.715798
Last Date in Agency List :	2023-03-06

Map Id: M119
Direction: ESE
Distance: 0.918 mi., 4846 ft.
Elevation: 409 ft.
Relative: Higher

Site Name : KY0540977
45 N BERNARD ST
NEBO, KY 42441

Database(s) : [PWS, PWS ENF]

Envirosite ID: 2562775
EPA ID: N/R

PWS

Facility Address :	45 N BERNARD ST, NEBO, KY 42441
PWS ID :	KY0540977
PWS Type :	Community water system
PWS Name :	NEBO WATER DISTRICT
Activity Status :	Active
Primary Source :	Surface water purchased
Submission Year :	2022
Submission Year Quarter :	2022Q2
Population Served Count :	4,702
Service Connections Count :	1583
Population Category 2 :	<10,000
Population Category 3 :	3,301-50,000
Population Category 4 :	<10K
Population Category 5 :	3,301-10,000
Population Category 11 :	3,301-10,000
Submission Quarter :	2
Submission Status Code :	Y
First Reported Date :	1980-03-13
Last Reported Date :	2022-05-23
Deactivation Date :	N/R
GW or SW :	Surface water
Is Grant Eligible :	Y
Is Outstanding Performer :	N/R
Is School or Daycare :	N
Is Source Water Protected :	N
Primacy Agency :	Kentucky
Primacy Type :	State
Org Name :	MATHENY, MARK
EPA Region :	Region 4
Admin Name :	MATHENY, MARK
Owner Type :	Local government
Phone Number :	270-249-3709
Phone Ext Number :	N/R
Alt Phone Number :	N/R

Map Id: M119
Direction: ESE
Distance: 0.918 mi., 4846 ft.
Elevation: 409 ft.
Relative: Higher

Site Name : KY0540977
45 N BERNARD ST
NEBO, KY 42441

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 2562775
EPA ID: N/R

PWS ***(cont.)***

Email Address :	nebowater@bellsouth.net
Fax Number :	N/R
Is Wholesaler :	N
LT2 Schedule Category :	N/R
NPM Candidate :	Y
CDS ID :	9079
DBPR Schedule Category :	System serving 10K to 49,999 people OR belonging to a CDS in which the largest system serves 10K to
Outstanding Performer Date :	N/R
Season Begin Date :	N/R
Season End Date :	N/R
Source Water Protection Date :	N/R
Seasonal Startup System :	N/R
Reduced Monitoring Begin Date :	N/R
Reduced Monitoring End Date :	N/R
Reduced RTCR Monitoring :	N/R
Last Date in Agency List :	2022-07-18

PWS ENF

Facility Address :	45 N BERNARD ST, NEBO, KY 42441

Site Details

PWS ID :	KY0540977
PWS Name :	NEBO WATER DISTRICT
EPA Region :	Region 4
Primacy Agency :	Kentucky
PWS Type :	Community water system
Primacy Type :	State
Primary Source :	Surface water purchased
Activity Status :	Active
Deactivation Date :	N/R
Owner Type :	Local government
Phone Number :	270-249-3709
Last Date in Agency List :	2022-07-29

Violation Details

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

RTC Enforcement ID :	404
Violation ID :	6250103
Submission Year :	2022
Violation First Reported Date :	2003-11-18
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Minor (TCR)

Map Id: M119
Direction: ESE
Distance: 0.918 mi., 4846 ft.
Elevation: 409 ft.
Relative: Higher

Site Name : KY0540977
45 N BERNARD ST
NEBO, KY 42441

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 2562775
EPA ID: N/R

PWS ENF ***(cont.)***

Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	45 N BERNARD ST, NEBO, 42441
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2004-06-26
Enforcement Action Description :	State Compliance achieved
Admin Name :	MATHENY, MARK
Email Address :	nebowater@bellsouth.net

RTC Enforcement ID :	408
Violation ID :	6250305
Submission Year :	2022
Violation First Reported Date :	2014-11-14
Contaminant Name :	TTHM
Rule Family :	Stage 2 Disinfectants and Disinfection Byproducts Rule
Rule Group :	Disinfectants and Disinfection Byproducts Rule
Rule Name :	Stage 2 Disinfectants and Disinfection Byproducts Rule
Violation Type :	Maximum Contaminant Level Violation, Average
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	2
Public Notification Tier :	2
Address Line 1 :	45 N BERNARD ST, NEBO, 42441
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2014-11-05
Enforcement Action Description :	State Administrative/Compliance Order with penalty issued
Admin Name :	MATHENY, MARK
Email Address :	nebowater@bellsouth.net

RTC Enforcement ID :	412
Violation ID :	6250307
Submission Year :	2022
Violation First Reported Date :	2015-02-16
Contaminant Name :	TTHM
Rule Family :	Stage 2 Disinfectants and Disinfection Byproducts Rule
Rule Group :	Disinfectants and Disinfection Byproducts Rule
Rule Name :	Stage 2 Disinfectants and Disinfection Byproducts Rule
Violation Type :	Maximum Contaminant Level Violation, Average
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	2
Public Notification Tier :	2
Address Line 1 :	45 N BERNARD ST, NEBO, 42441
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2017-10-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	MATHENY, MARK
Email Address :	nebowater@bellsouth.net

Map Id: M119
Direction: ESE
Distance: 0.918 mi., 4846 ft.
Elevation: 409 ft.
Relative: Higher

Site Name : KY0540977
45 N BERNARD ST
NEBO, KY 42441

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 2562775
EPA ID: N/R

PWS ENF ***(cont.)***

RTC Enforcement ID :	416
Violation ID :	6250308
Submission Year :	2022
Violation First Reported Date :	2015-05-20
Contaminant Name :	TTHM
Rule Family :	Stage 2 Disinfectants and Disinfection Byproducts Rule
Rule Group :	Disinfectants and Disinfection Byproducts Rule
Rule Name :	Stage 2 Disinfectants and Disinfection Byproducts Rule
Violation Type :	Maximum Contaminant Level Violation, Average
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	2
Public Notification Tier :	2
Address Line 1 :	45 N BERNARD ST, NEBO, 42441
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2017-10-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	MATHENY, MARK
Email Address :	nebowater@bellsouth.net

RTC Enforcement ID :	420
Violation ID :	6250309
Submission Year :	2022
Violation First Reported Date :	2015-08-18
Contaminant Name :	TTHM
Rule Family :	Stage 2 Disinfectants and Disinfection Byproducts Rule
Rule Group :	Disinfectants and Disinfection Byproducts Rule
Rule Name :	Stage 2 Disinfectants and Disinfection Byproducts Rule
Violation Type :	Maximum Contaminant Level Violation, Average
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	2
Public Notification Tier :	2
Address Line 1 :	45 N BERNARD ST, NEBO, 42441
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2017-10-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	MATHENY, MARK
Email Address :	nebowater@bellsouth.net

RTC Enforcement ID :	424
Violation ID :	6250310
Submission Year :	2022
Violation First Reported Date :	2015-11-16
Contaminant Name :	TTHM
Rule Family :	Stage 2 Disinfectants and Disinfection Byproducts Rule
Rule Group :	Disinfectants and Disinfection Byproducts Rule
Rule Name :	Stage 2 Disinfectants and Disinfection Byproducts Rule
Violation Type :	Maximum Contaminant Level Violation, Average
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	2
Public Notification Tier :	2

Map Id: M119
Direction: ESE
Distance: 0.918 mi., 4846 ft.
Elevation: 409 ft.
Relative: Higher

Site Name : KY0540977
45 N BERNARD ST
NEBO, KY 42441

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 2562775
EPA ID: N/R

PWS ENF ***(cont.)***

Address Line 1 :	45 N BERNARD ST, NEBO, 42441
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2017-10-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	MATHENY, MARK
Email Address :	nebowater@bellsouth.net

RTC Enforcement ID :	428
Violation ID :	6250311
Submission Year :	2022
Violation First Reported Date :	2016-02-17
Contaminant Name :	TTHM
Rule Family :	Stage 2 Disinfectants and Disinfection Byproducts Rule
Rule Group :	Disinfectants and Disinfection Byproducts Rule
Rule Name :	Stage 2 Disinfectants and Disinfection Byproducts Rule
Violation Type :	Maximum Contaminant Level Violation, Average
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	1
Public Notification Tier :	2
Address Line 1 :	45 N BERNARD ST, NEBO, 42441
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2017-10-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	MATHENY, MARK
Email Address :	nebowater@bellsouth.net

RTC Enforcement ID :	433
Violation ID :	6250312
Submission Year :	2022
Violation First Reported Date :	2016-05-15
Contaminant Name :	TTHM
Rule Family :	Stage 2 Disinfectants and Disinfection Byproducts Rule
Rule Group :	Disinfectants and Disinfection Byproducts Rule
Rule Name :	Stage 2 Disinfectants and Disinfection Byproducts Rule
Violation Type :	Maximum Contaminant Level Violation, Average
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	2
Public Notification Tier :	2
Address Line 1 :	45 N BERNARD ST, NEBO, 42441
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2017-10-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	MATHENY, MARK
Email Address :	nebowater@bellsouth.net

RTC Enforcement ID :	437
Violation ID :	6250313
Submission Year :	2022
Violation First Reported Date :	2016-08-17

Map Id: M119
Direction: ESE
Distance: 0.918 mi., 4846 ft.
Elevation: 409 ft.
Relative: Higher

Site Name : KY0540977
45 N BERNARD ST
NEBO, KY 42441

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 2562775
EPA ID: N/R

PWS ENF ***(cont.)***

Contaminant Name :	TTHM
Rule Family :	Stage 2 Disinfectants and Disinfection Byproducts Rule
Rule Group :	Disinfectants and Disinfection Byproducts Rule
Rule Name :	Stage 2 Disinfectants and Disinfection Byproducts Rule
Violation Type :	Maximum Contaminant Level Violation, Average
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	2
Public Notification Tier :	2
Address Line 1 :	45 N BERNARD ST, NEBO, 42441
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2017-10-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	MATHENY, MARK
Email Address :	nebowater@bellsouth.net

RTC Enforcement ID :	441
Violation ID :	6250314
Submission Year :	2022
Violation First Reported Date :	2016-11-23
Contaminant Name :	TTHM
Rule Family :	Stage 2 Disinfectants and Disinfection Byproducts Rule
Rule Group :	Disinfectants and Disinfection Byproducts Rule
Rule Name :	Stage 2 Disinfectants and Disinfection Byproducts Rule
Violation Type :	Maximum Contaminant Level Violation, Average
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	1
Public Notification Tier :	2
Address Line 1 :	45 N BERNARD ST, NEBO, 42441
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2017-10-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	MATHENY, MARK
Email Address :	nebowater@bellsouth.net

Map Id: 120
Direction: NW
Distance: 0.918 mi., 4849 ft.
Elevation: 406 ft.
Relative: Higher

Site Name : 16233003000000-56006
37.442354, -87.708619
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41885279
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233003000000
KGS Record Number :	56006
Completion Date :	1968-07-09
Plugged Date :	N/R

Map Id: 120
Direction: NW
Distance: 0.918 mi., 4849 ft.
Elevation: 406 ft.
Relative: Higher

Site Name : 16233003000000-56006
37.442354, -87.708619
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41885279
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Surface Elevation :	402.0
County :	WEBSTER
Farm Name :	BROOKS, WILLIAM
Operator :	CLINE, WALTER
Well Number :	5
Total Depth Formation :	333MCLK
Deepest Pay :	327PNLVL
Well Classification :	Development well
Result :	Oil producer
Permit :	20776
Measure :	0
Vertical :	2414.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.442354
Longitude :	-87.708619
Last Date in Agency List :	2023-03-06

Map Id: 121
Direction: NW
Distance: 0.928 mi., 4901 ft.
Elevation: 380 ft.
Relative: Higher

Site Name : 16233017110000-18061
37.44131, -87.710477
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41780113
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233017110000
KGS Record Number :	18061
Completion Date :	N/R
Plugged Date :	N/R
Surface Elevation :	379.0
County :	WEBSTER
Farm Name :	CHILDRESS, W J
Operator :	CLINE, WALTER
Well Number :	3
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Terminated (permit expired or cancelled)
Permit :	22727
Measure :	0
Vertical :	0.0
Plot Symbol :	Locations for which a permit was issued but the permit was cancelled by the operator or allowed to expire. Wells with this designation are included to enable tracking the status of permits.
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.441310

Map Id: 121
Direction: NW
Distance: 0.928 mi., 4901 ft.
Elevation: 380 ft.
Relative: Higher

Site Name : 16233017110000-18061
37.44131, -87.710477
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41780113
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Longitude :	-87.710477
Last Date in Agency List :	2023-03-06

Map Id: M122
Direction: ESE
Distance: 0.946 mi., 4995 ft.
Elevation: 407 ft.
Relative: Higher

Site Name : 80050253 | 80050254 | 80050257
37.384073, -87.642228
KY

Database(s) : [WELLS - KY]

Envirosite ID: 18424049
EPA ID: N/R

WELLS - KY

AKGWA Number :	80050258
AI Number :	64409
Public ID :	N/R
Construction Date :	2004-02-18
Status :	ACTIVE
Driller Certification Number :	412
Driller Name :	Craig Toon
Owner Business Name :	Parker Oil Co Inc
Owner Name :	N/R
Primary Use :	MONITORING WELL - AMBIENT MONITORING
Quadrangle :	Nebo
Surface Elevation (Ft) :	405
Depth to Bedrock (Ft) :	N/R
Total Depth (Ft) :	N/R
Static Water Level (Ft) :	N/R
Regulatory Program :	UST
County :	Hopkins
Latitude :	37.384073
Longitude :	-87.642228
Scanned Document :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2017-09-22

AKGWA Number :	80050253
AI Number :	64409
Public ID :	N/R
Construction Date :	2004-02-18
Status :	ACTIVE
Driller Certification Number :	412
Driller Name :	Craig Toon
Owner Business Name :	Parker Oil Co Inc
Owner Name :	N/R
Primary Use :	MONITORING WELL - AMBIENT MONITORING
Quadrangle :	Nebo
Surface Elevation (Ft) :	405
Depth to Bedrock (Ft) :	N/R
Total Depth (Ft) :	N/R
Static Water Level (Ft) :	N/R
Regulatory Program :	UST
County :	Hopkins

Map Id: M122
Direction: ESE
Distance: 0.946 mi., 4995 ft.
Elevation: 407 ft.
Relative: Higher

Site Name : 80050253 | 80050254 | 80050257
37.384073, -87.642228
KY

Database(s) : [WELLS - KY] ***(cont.)***

Envirosite ID: 18424049
EPA ID: N/R

WELLS - KY ***(cont.)***

Latitude :	37.384073
Longitude :	-87.642228
Scanned Document :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2017-09-22

AKGWA Number :	80050254
AI Number :	64409
Public ID :	N/R
Construction Date :	2004-02-18
Status :	ACTIVE
Driller Certification Number :	412
Driller Name :	Craig Toon
Owner Business Name :	Parker Oil Co Inc
Owner Name :	N/R
Primary Use :	MONITORING WELL - AMBIENT MONITORING
Quadrangle :	Nebo
Surface Elevation (Ft) :	405
Depth to Bedrock (Ft) :	N/R
Total Depth (Ft) :	N/R
Static Water Level (Ft) :	N/R
Regulatory Program :	UST
County :	Hopkins
Latitude :	37.384073
Longitude :	-87.642228
Scanned Document :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2017-09-22

AKGWA Number :	80050257
AI Number :	64409
Public ID :	N/R
Construction Date :	2004-02-18
Status :	ACTIVE
Driller Certification Number :	412
Driller Name :	Craig Toon
Owner Business Name :	Parker Oil Co Inc
Owner Name :	N/R
Primary Use :	MONITORING WELL - AMBIENT MONITORING
Quadrangle :	Nebo
Surface Elevation (Ft) :	405
Depth to Bedrock (Ft) :	N/R
Total Depth (Ft) :	N/R
Static Water Level (Ft) :	N/R
Regulatory Program :	UST
County :	Hopkins
Latitude :	37.384073
Longitude :	-87.642228
Scanned Document :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2017-09-22

Map Id: 123
Direction: W
Distance: 0.949 mi., 5012 ft.
Elevation: 398 ft.
Relative: Higher

Site Name : 16233013950000-24663
37.408747, -87.721151
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41706595
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233013950000
KGS Record Number :	24663
Completion Date :	1983-09-08
Plugged Date :	1983-09-08
Surface Elevation :	399.0
County :	WEBSTER
Farm Name :	ISLAND CREEK COAL CO (M GIBSON)
Operator :	TEXAS GAS ALASKA CORP
Well Number :	17242
Total Depth Formation :	333SGVV
Deepest Pay :	000
Well Classification :	Extension (outpost) well
Result :	Dry & abandoned
Permit :	57324
Measure :	0
Vertical :	2614.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.408747
Longitude :	-87.721151
Last Date in Agency List :	2023-03-06

Map Id: M124
Direction: ESE
Distance: 0.961 mi., 5074 ft.
Elevation: 406 ft.
Relative: Higher

Site Name : 372301087383201
37.383656, -87.642229
KY

Database(s) : [NWIS]

Envirosite ID: 18746971
EPA ID: N/R

NWIS

Site Identification Number :	372301087383201
Site Type :	Well
Station Name :	H9A0007
Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Hopkins County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	405.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5.
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R
Topographic Setting :	Hillside
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN

Map Id: M124
Direction: ESE
Distance: 0.961 mi., 5074 ft.
Elevation: 406 ft.
Relative: Higher

Site Name : 372301087383201
37.383656, -87.642229
KY

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 18746971
EPA ID: N/R

NWIS ***(cont.)***

Date of First Construction :	1946-01-01
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	210
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1967-05-24
Field Water-level Measurements End Date:	1967-05-24
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	37.383656
Longitude :	-87.642229
Last Date in Agency List :	2023-02-13

Map Id: N125
Direction: WNW
Distance: 0.967 mi., 5105 ft.
Elevation: 372 ft.
Relative: Higher

Site Name : 16233003240000-55733
37.426787, -87.715884
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41934804
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233003240000
KGS Record Number :	55733
Completion Date :	1970-05-27
Plugged Date :	N/R
Surface Elevation :	372.0
County :	WEBSTER
Farm Name :	THRELKELD, LUCILLE
Operator :	REYNOLDS & VINCENT, INC
Well Number :	1
Total Depth Formation :	332CPRS
Deepest Pay :	332CPRS

Map Id: N125
Direction: WNW
Distance: 0.967 mi., 5105 ft.
Elevation: 372 ft.
Relative: Higher

Site Name : 16233003240000-55733
37.426787, -87.715884
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41934804
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Well Classification :	Development well
Result :	Oil producer
Permit :	23633
Measure :	0
Vertical :	2338.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.426787
Longitude :	-87.715884
Last Date in Agency List :	2023-03-06

Map Id: 126
Direction: WNW
Distance: 0.970 mi., 5120 ft.
Elevation: 371 ft.
Relative: Higher

Site Name : 16233003250000-55736
37.428503, -87.716521
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41863293
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233003250000
KGS Record Number :	55736
Completion Date :	1970-11-15
Plugged Date :	N/R
Surface Elevation :	368.0
County :	WEBSTER
Farm Name :	THRELKELD, LUCILLE
Operator :	REYNOLDS & VINCENT, INC
Well Number :	2
Total Depth Formation :	332RNLT
Deepest Pay :	332CPRS
Well Classification :	Development well
Result :	Oil producer
Permit :	24201
Measure :	0
Vertical :	2520.0
Plot Symbol :	Wells completed as oil (including abandoned producers)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.428503
Longitude :	-87.716521
Last Date in Agency List :	2023-03-06

Map Id: O127
Direction: SSW
Distance: 0.973 mi., 5136 ft.
Elevation: 424 ft.
Relative: Higher

Site Name : 16107029160000-159788
37.375463, -87.695783
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41871287
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107029160000
KGS Record Number :	159788
Completion Date :	2021-07-16
Plugged Date :	2021-07-16
Surface Elevation :	408.0
County :	HOPKINS
Farm Name :	BADGETT PROPERTIES LTD
Operator :	SUNSHINE OIL & GAS, LLC
Well Number :	1 21-10
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Location (new permit issued or insufficient data)
Permit :	113018
Measure :	0
Vertical :	0.0
Plot Symbol :	Newly permitted locations or historic wells for which completion data are not available in the KGS database
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.375463
Longitude :	-87.695783
Last Date in Agency List :	2023-03-06

Map Id: N128
Direction: WNW
Distance: 0.975 mi., 5150 ft.
Elevation: 372 ft.
Relative: Higher

Site Name : 16233013890000-55711
37.427061, -87.71616
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41726252
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16233013890000
KGS Record Number :	55711
Completion Date :	1963-12-03
Plugged Date :	1991-07-31
Surface Elevation :	370.0
County :	WEBSTER
Farm Name :	KUYKENDALL ESTATE
Operator :	KENNARD OIL CO, INC
Well Number :	1
Total Depth Formation :	333SGVV
Deepest Pay :	333OHAR
Well Classification :	Deeper pool test
Result :	Oil producer
Permit :	10686
Measure :	0
Vertical :	2650.0
Plot Symbol :	Wells completed as oil (including abandoned producers)

Map Id: N128
Direction: WNW
Distance: 0.975 mi., 5150 ft.
Elevation: 372 ft.
Relative: Higher

Site Name : 16233013890000-55711
37.427061, -87.71616
KY

Database(s) : [OIL & GAS WELLS - KY] ***(cont.)***

Envirosite ID: 41726252
EPA ID: N/R

OIL & GAS WELLS - KY ***(cont.)***

Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.427061
Longitude :	-87.716160
Last Date in Agency List :	2023-03-06

Map Id: 129
Direction: SE
Distance: 0.976 mi., 5154 ft.
Elevation: 383 ft.
Relative: Higher

Site Name : 16107010590000-11021
37.37713, -87.65448
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 41908551
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107010590000
KGS Record Number :	11021
Completion Date :	1981-03-11
Plugged Date :	1981-03-11
Surface Elevation :	386.0
County :	HOPKINS
Farm Name :	HAYES & CRAWFORD
Operator :	ROSSI, PAUL
Well Number :	2
Total Depth Formation :	333MCLK
Deepest Pay :	000
Well Classification :	Development well
Result :	Dry & abandoned
Permit :	41808
Measure :	0
Vertical :	2657.0
Plot Symbol :	Dry and abandoned wells (Abnd = -1 by default)
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.377130
Longitude :	-87.654480
Last Date in Agency List :	2023-03-06

Map Id: O130
Direction: SSW
Distance: 0.978 mi., 5166 ft.
Elevation: 422 ft.
Relative: Higher

Site Name : 16107029240000-159948
37.375447, -87.695938
KY

Database(s) : [OIL & GAS WELLS - KY]

Envirosite ID: 44212010
EPA ID: N/R

OIL & GAS WELLS - KY

API Number :	16107029240000
KGS Record Number :	159948
Completion Date :	N/R
Plugged Date :	N/R
Surface Elevation :	410.0
County :	HOPKINS
Farm Name :	BADGETT PROPERTIES LTD
Operator :	SUNSHINE OIL & GAS, LLC
Well Number :	3 21-13
Total Depth Formation :	000
Deepest Pay :	000
Well Classification :	Unclassified
Result :	Location (new permit issued or insufficient data)
Permit :	113108
Measure :	0
Vertical :	0.0
Plot Symbol :	Newly permitted locations or historic wells for which completion data are not available in the KGS database
Bore Type :	Conventional vertical well bore (not intentionally deviated)
KGS Link :	Click here for hyperlink provided by the agency.
Latitude :	37.375447
Longitude :	-87.695938
Last Date in Agency List :	2023-03-06

Map Id: 131
Direction: E
Distance: 0.992 mi., 5240 ft.
Elevation: 419 ft.
Relative: Higher

Site Name : 372403087382001
37.400878, -87.638895
KY

Database(s) : [NWIS]

Envirosite ID: 18757908
EPA ID: N/R

NWIS

Site Identification Number :	372403087382001
Site Type :	Well
Station Name :	H9A0011
Agency :	U.S. Geological Survey
District :	N/R
State :	KY
County :	Hopkins County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	417.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5.
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Tradewater
Drainage Basin :	N/R

Map Id: 131
Direction: E
Distance: 0.992 mi., 5240 ft.
Elevation: 419 ft.
Relative: Higher

Site Name : 372403087382001
37.400878, -87.638895
KY

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 18757908
EPA ID: N/R

NWIS ***(cont.)***

Topographic Setting :	Flat surface
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	47.0
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1967-05-24
Field Water-level Measurements End Date:	1967-05-24
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	37.400878
Longitude :	-87.638895
Last Date in Agency List :	2023-02-13

RADON DATA:

STATE SOURCE: No Available Data

FEDERAL AREA RADON INFORMATION FOR: 42441

NUMBER OF SAMPLE SITES: No Available Data

FEDERAL EPA RADON ZONE FOR HOPKINS COUNTY: Zone = 2

Note: Zone 1 indoor average level > 4 pCI/L

: Zone 2 indoor average level > = 2 pCI/L and <= 4 pCI/L

: Zone 3 indoor average < 2 pCI/L

HIST PWS ENF
Historical Public Water Supply locations with Enforcement Violations
Environmental Protection Agency
(800) 426-4791
List of Safe Drinking Water Information Systems (SDWIS) with enforcement violations that are no longer in current agency list.

NWIS
National Water Information Systems
United States Geological Society
(703) 648-5953
Information on all water resources for the United States. This database contains all current and historical data for the nation.

PWS
Public Water Supply
Environmental Protection Agency
(800) 426-4791
Safe drinking water information Systems

PWS ENF
Public Water Supply locations with Enforcement Violations
Environmental Protection Agency
(800) 426-4791
Safe drinking water information Systems with enforcememnt violations

WELLS - KY
Water well and spring data
Kentucky Geological Survey
859.323.0524
Kentucky Groundwater Data Repository

FLOOD Q3
Flood data
Environmental Protection Agency
(202) 566-1667
Q3 Flood Data

HYDROLOGIC UNIT
Hydrologic Unit Maps
USGS
The United States Geological Survey created a hierarchical system of hydrologic units originally called regions, sub-regions, accounting units, and cataloging units. Each unit was assigned a unique Hydrologic Unit Code (HUC). As first implemented the system had 21 regions, 221 subregions, 378 accounting units, and 2,264 cataloging units. Over time the system was changed and expanded. As of 2010 there are six levels in the hierarchy, represented by hydrologic unit codes from 2 to 12 digits long, called regions, subregions, basins, subbasins, watersheds, and subwatersheds. The table below describes the system's hydrologic unit levels and their characteristics, along with example names and codes.

WETLANDS NWI
National Wetland Inventory
U.S. Fish and Wildlife Service
(703) 358-2171
Wetland Inventory for the United States

SSURGO
Detailed Soil Data Map
Natural Resources Conservation Service: U.S. Department of Agriculture
(202) 690-4985
Detailed Soil Data Map

STATSGO & MUI
General Soil Data Map
Natural Resources Conservation Service: U.S. Department of Agriculture
(202) 690-4985
General Soil Data Map

USGS GEOLOGIC AGE
USGS Digital Data Series DDS
Natural Resources Conservation Service: U.S. Department of Agriculture
(202) 690-4985
USGS Digital Data Series DDS: Geologic Age and Rock Stratigraphic Unit

OIL & GAS WELLS - KY
Oil & Gas Wells
Kentucky Geological Survey
Oil and gas well locations

RADON
National Radon Database
U.S. Environmental Protection Agency
215-814-2469
A study of the EPA/State Residential Radon Survey and the National Residential Radon Survey.

RADON EPA
RADON EPA
U.S. Environmental Protection Agency
215-814-2469
EPA list of Radon zones

AIRPORT FACILITIES
Airport landing facilities
Federal Aviation Administration
(866) 835-5322
Airport landing facilities

BASINS
Better Assessment Science Integrating point & Non-point Sources
U.S. Environmental Protection Agency
855-246-3642
Integrated geographical information system national watershed data and environmental assessment known as Better Assessment Science Integrating point & Non-point Sources

DIGITAL OBSTACLE
Obstacles of interest to aviation users
Federal Aviation Administration
855-379-6518
The Digital Obstacle File describes all known obstacles of interest to aviation users in the U.S. with limited coverage of the Pacific the Caribbean Canada and Mexico. The obstacles are assigned unique numerical identifiers; accuracy codes and listed in order of ascending latitude within each state or area by FAA Region.

EPICENTERS
National Geographical Data Center
National Geographical Data Center
303-497-6826
List of recent and historic earthquakes and information.

FLOOD DFIRM
National Flood Hazard Layer Database
Federal Emergency Management Agency
The National Flood Hazard Layer Database (NFHL) is a computer database that contains the flood hazard map information from FEMAs Flood Map Modernization program. These map data are from Digital Flood Insurance Rate Map (DFIRM) databases and Letters of Map Revision.

Appendix E

Regulatory Agency Documentation

19270

Attribute	Value
OPERATOR ID	19270
OPERATOR NAME	TEXAS GAS TRANSMISSION, LLC
SYSTEM NAME	MAIN LINE SYSTEM [30-1]
SUBSYSTEM NAME	
PIPELINE ID	31
MILES	16.01
COMMODITY CATEGORY	Natural Gas
COMMODITY DESCRIPTION	NATURAL GAS
INTERSTATE DESIGNATION	Y
PIPELINE STATUS CODE	Active (filled)
REVISION DATE	03/10/2022
FRP SEQUENCE NUMBER	
INSPECTION AUTHORITY	PHMSA
= Category: GENERAL CONTACT	
FIRST NAME	Brent
LAST NAME	Dhuet
TITLE	Sr. DOT Compliance Specialist
ENTITY	
PHONE	(985) 804-2524
EMAIL	publicawareness@bwpipelines.com
ADDRESS	351 Technology Lane
CITY	Gray
STATE	LA
ZIP	70359
Public Awareness URL	https://www.bwpipelines.com/safety...

19270

Attribute	Value
OPERATOR ID	19270
OPERATOR NAME	TEXAS GAS TRANSMISSION, LLC
SYSTEM NAME	MAIN LINE SYSTEM [30-1]
SUBSYSTEM NAME	
PIPELINE ID	31
MILES	16.01
COMMODITY CATEGORY	Natural Gas
COMMODITY DESCRIPTION	NATURAL GAS
INTERSTATE DESIGNATION	Y
PIPELINE STATUS CODE	Active (filled)
REVISION DATE	03/10/2022
FRP SEQUENCE NUMBER	
INSPECTION AUTHORITY	PHMSA
= Category: GENERAL CONTACT	
FIRST NAME	Brent
LAST NAME	Dhuet
TITLE	Sr. DOT Compliance Specialist
ENTITY	
PHONE	(985) 804-2524
EMAIL	publicawareness@bwpipelines.com
ADDRESS	351 Technology Lane
CITY	Gray
STATE	LA
ZIP	70359
Public Awareness URL	https://www.bwpipelines.com/safety...

C TQS 395 175 Rec # 58117.

Operator: Preston & Phillips Elev:- 378 KB

Farm: Townsend, Grace #1 T.D.: 2732

Carter Cood: 10-K-22 Footages: 1700 FSL X 2150 (FEL) W.

Elec. Log ✓ Density Log __ County: (N) Hopkins

	DPTH	DEPH	DEPH	TYPE	ELEV.	BASE
Carthage Lmst.	BC					
channel facies ss.1		BC				
channel facies ss.2		BC				
W. Franklin Lmst.	BC					
Coiltown coal	BC					
Central City ss.		205	280	G		
Wheatcroft coal	CN					
Anvil Rock ss.		NP				
Baker coal	307					
U. Providence Lm.	335					
Paradise coal	CN					
L. Providence Lm.	341					
Herrin coal	347					
U. Vermillionville ss		356	387	F		
Briar Hill coal	CN					
L. Vermillionville ss		NP				
Springfield coal	431					
U. Pleasantview ss.		NP				
Houchen Creek coal	489					
L. Pleasantview ss.		NP				
Survant coal	512					
Colchester coal	583					
Sebree ss.		600	635	G		
Davis coal	660					
U. Granger ss.		NP				
L. Granger ss.		796	850	G		
Curlew Lmst.	865					
Mannington coal	CN					
Empire Lmst	CN					
Lead Creek Lmst.	CN					
channel facies ss.3		943	998	F		
Bell coal	CN					
Caseyville Fm. top	1208					
Caseyville Fm. bot	1460					
% sandstone	50					
Vienna Lmst.	1939					

TYPE SS: G=good, F=fair, P=poor
BC= behind casing
NP= not present
CN= could not pick

Form G

WELL RECORD

2050'FSL
1150'FWL

5-K-23

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF MINES AND MINERALS
OIL AND GAS DIVISION
P. O. Box 680
Lexington, Ky.

RECEIVED
JUL 2 1965
DEPT. OF MINES AND MINERALS
LEXINGTON, KENTUCKY

Permit No. 13793

Oil or Gas Well Oil (Kind) D&A

Company T. M. Egan - H. Paul Maier
Address Evansville, Indiana
Farm Grace Townsend Acres
Location (waters)
Well No. 1 Elev. 380.10
District County Hopkins
Drilling Commenced 4/25/65
Drilling Completed 5/11/65
Name of Contractor H. Paul Maier
Address of Contractor Evansville, Ind.
Date Shot From To
With
Open flow /10ths Water in Inch
/10ths Merc. in Inch

Casing and Used in Left In Tubing Drilling Well

Size
16 Kind of Packer
13
10 Size of
8¼
6⅝ Depth Set
5 3/16
3 Perf. top
2 Perf. bottom
Liners Used
Perf. top
Perf. bottom

Casing Cemented 8-5/8" Size No. Ft Date

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas & Coal or Water	Depth Found	Remarks
Cement			23	65			
Shale			65	195			
Sand, Shale, Lime			195	305			
Sand			305	320			
Sand & Shale			320	430			
Sand & Lime			430	505			
Sand, Sandy S hale			505	665			
Sand & Shale			665	910			
Lime & Sand			910	1005			
Sand & Shale			1005	1150			
Shaly Sand			1150	1295			
Sand & Shale			1295	1310			
Sand & Lime			1310	1415			
Sandy Shale			1415	1505			
Shaly Sand			1505	1615			
Shale & Sand			1615	1640			
Lime			1640	1655			
Sandy Shale & Lime			1655	1690			
Lime			1690	1733			
Lime & Shale			1733	1939			
Lime			1939	1941			
Shale			1941	1947			
Lime			1947	1951			
Shale			1951	1960			
Lime (L. Menard)			1960	1973			
Sandy Shale			1973	1983			
Shaly Sand			1983	2003			

Record No: 56056 Permit No: 13793
Farm Name: TOWNSEND, GRACE
Well No: 1
Operator: MAIER, H PAUL
Location: 2050 FSL x 1150 FWL 5- K-23
County: HOPKINS Elevation: 380
THE KENTUCKY GEOLOGICAL SURVEY DOES NOT WARRANT
THE ACCURACY OF INFORMATION ON THIS DOCUMENT

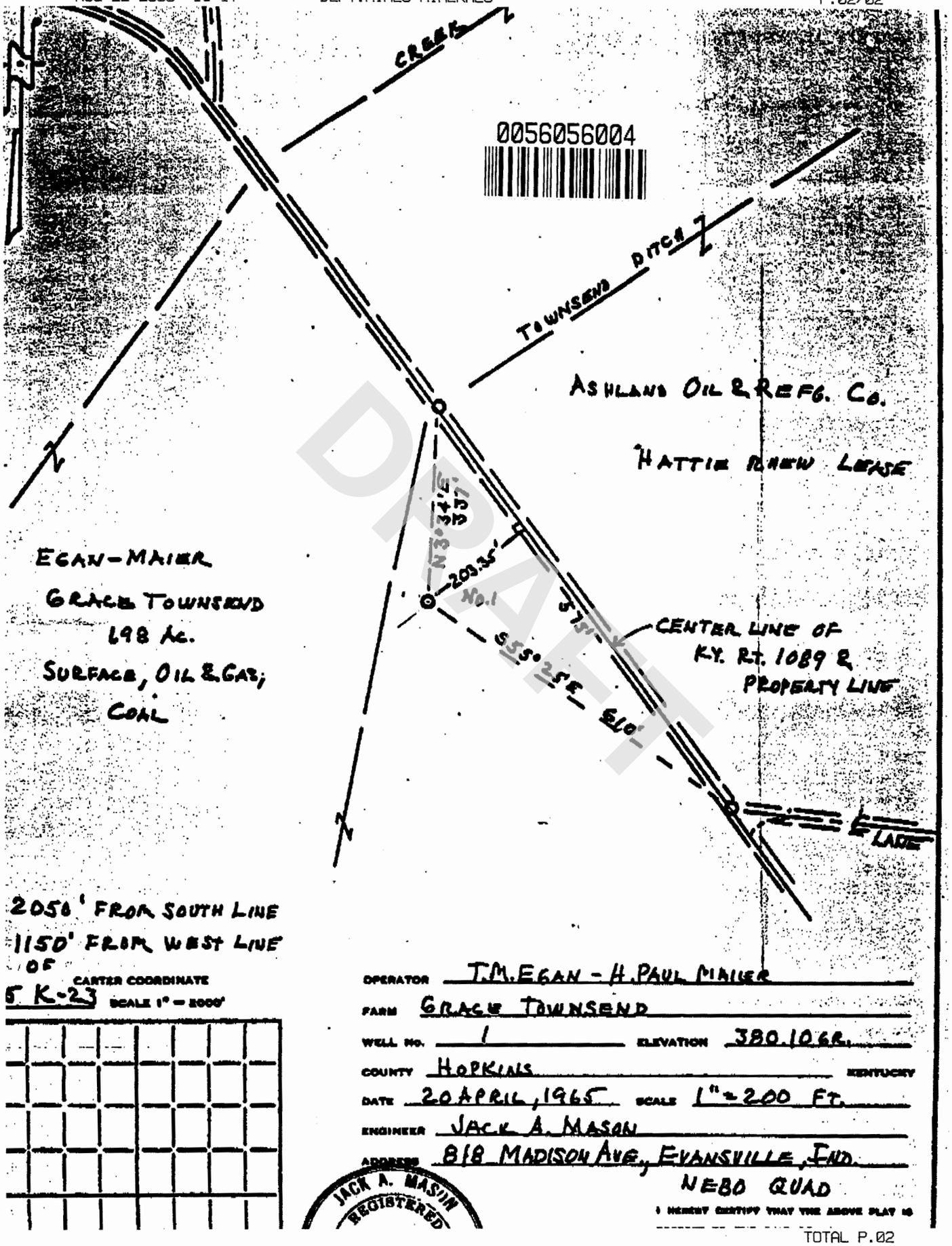
Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas & Coal or Water	Depth Found	Remarks
Sand - Waltersburg			2003	2011			
Shaly Sand			2011	2027			
Lime - Vienna			2027	2048			
Shale			2048	2062			
Sand			2062	2095			
Sand & Shale			2095	2170			
Sandy Shale			2170	2188			
Lime			2188	2196			
Shale			2196	2197			
Lime & Shale			2197	2227			
Lime-Shale & Sd.			2227	2255			
Sand & Shale			2255	2287			
Sand H.B.			2287	2288			
Shaly Sd. & Lime			2288	2320			
Lime - Golconda			2320	2327			
Sd. Shale, Lime			2327	2336			
Sand & Shale			2336	2414			
Lime - Barlow			2414	2420			
Shaly Sd.			2420	2440			
Shale & Sand			2440	2442			
Shale, Sd. & Lime			2442	2463			
Sand			2463	2469			
Lime			2469	2493			
Sdy. Shale & Sd.			2493	2515			
Shaly Sd.			2515	2530			
Lime			2530	2559			
Sd.,SHale & Lime			2559	2573			
Shale & Lime			2573	2591			
Lime			2591	2609			
Lime(U. Renault)			2609	2631			
Lime & Shale			2631	2651			
Lime			2651	2781			
Lime & Shale			2781	2842			
				2842	Total Depth Plugged		

Date May 15, 1965

APPROVED ..... Owner

By ..... (Title)

Record No: 56056 Permit No: 13793
Farm Name: TOWNSEND, GRACE
Well No: 1
Operator: MAIER, H PAUL
Location: 2050 FSL x 1150 FWL 5- K-23
County: HOPKINS Elevation: 380



OPERATOR T.M. EGAN - H. PAUL MAIER

FARM GRACE TOWNSEND

WELL NO. 1 ELEVATION 380.10 GR.

COUNTY HOPKINS KENTUCKY

DATE 20 APRIL, 1965 SCALE 1" = 200 FT.

ENGINEER JACK A. MASON

ADDRESS 818 MADISON AVE, EVANSVILLE, IND.

NEBO QUAD

I HEREBY CERTIFY THAT THE ABOVE PLAT IS

FOR USE BY OIL AND GAS OPERATOR

0056056005

AFFIDAVIT TO TIME AND MANNER OF PLUGGING AND FILLING WELL

As Required by Law

COMMONWEALTH OF KENTUCKY

DEPARTMENT OF MINES AND MINERALS

P. O. Box 680

LEXINGTON, KENTUCKY

Oil and Gas Division

Grace Townsend
Coal Operator or Owner

Nebo, Kentucky
Address

Coal Operator or Owner

Address

Coal Operator or Owner

Address

H. Paul Maier
Name of Well Operator

602 Hulman Bldg.
Evansville, Indiana
Complete Address

Permit No. 13793

Well No. # 1

Farm Townsend

County Hopkins

Affidavit to be made in triplicate, one copy to be mailed by registered mail to the Department of Mines and Minerals, one copy to be retained by the well operator and the third copy (and extra copies if required) to be mailed by registered mail to each coal operator above named at their respective addresses.

AFFIDAVIT

STATE OF KENTUCKY,

County of Henderson } ss:

and Independent Oil Well Cementing Co.

being first duly sworn according to law, depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by H. Paul Maier, well operator, and participated in the work of plugging and filling the above well; that said work was commenced on the 11 th day of May, 19 65, and that the well was plugged and filled in the manner described in detail on the reverse side of this page.

The work of plugging and filling said well was completed on the 11 th day of May, 19 65.

W. M. Stone

Sworn to and subscribed before me this 19th day of May, 1965.

Notary Public

My commission expires:

13793

120153

"Manner In Which Plugged"

2842'	-	674'	-	Mud
674'	-	588'	-	30 Sks. Poz. Cement
588'	-	550'	-	Mud
550'	-	300'	-	80 Sks. Poz. Cement
300'	-	30'	-	Mud
30'	-	0'	-	10 Sks. Poz. Cement
		Rat Hole	-	5 Sks. Poz. Cement

3-5

FILMED ☑

County Hopkins State Ky.

Sec. 5 T. K R. 23

Loc. 4000' FN 1200' FW Quad. L/S

Opr. H. Paul Maier

Farm #1 Grace Townsend

I.P. D&A Date 5/12/65

T.D. 2842 M.L.

Fm. Tested McClosky S. S.

Elec. Log Yes Core Chips

Samples on File Box No.

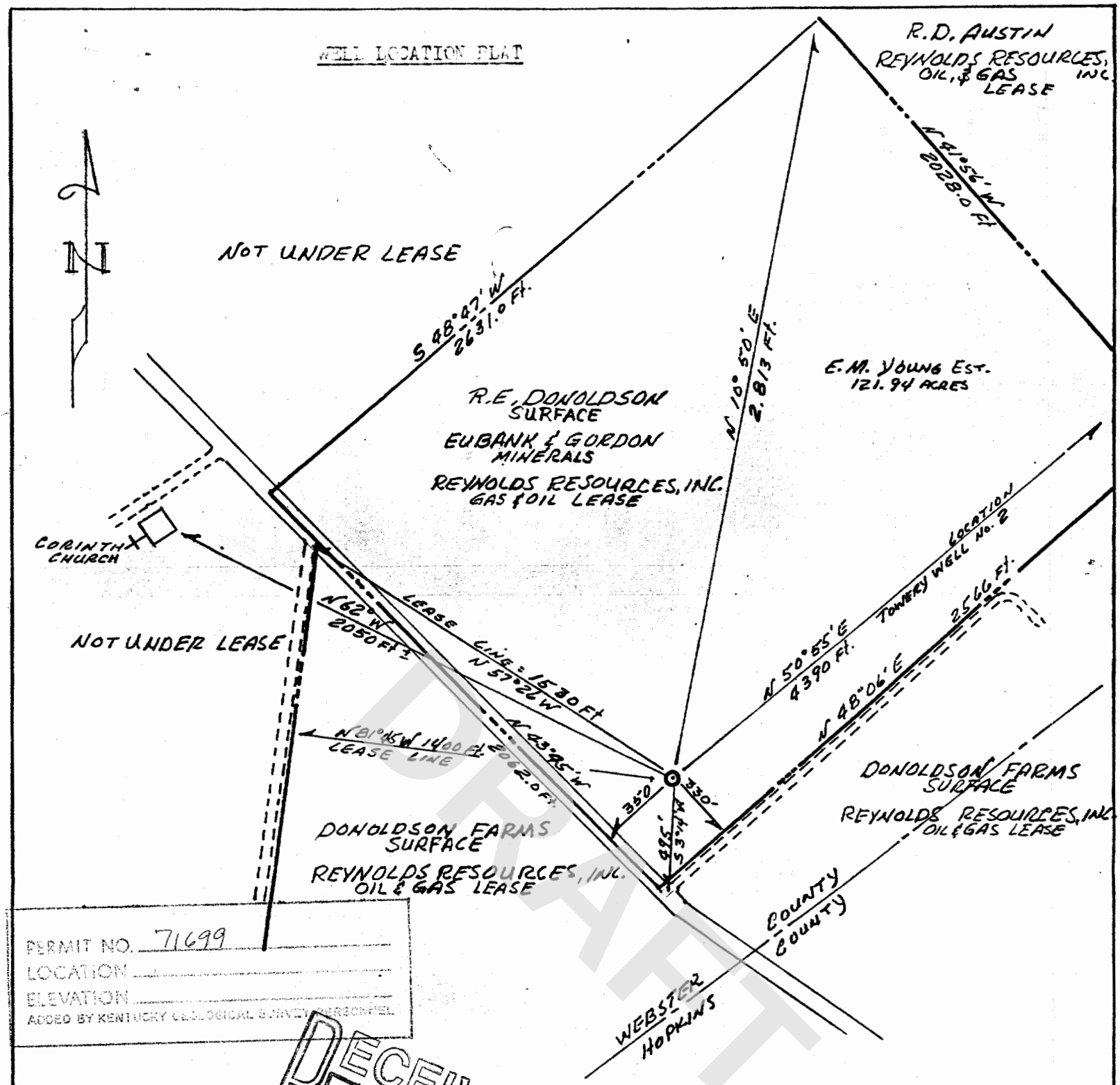
SUB-SEA DATA

B.L.M.
V.
Cy. Fm. -2036
L. Ren.
St. G.
Salem
Dev. or Sil.

SAND RECORD

Walt. 8'
T.S.
Hard.
Jack. 0'
Cyp.
P.C.
Beth.
A.V.

WELL LOCATION PLAT



PERMIT NO. 71699
LOCATION
ELEVATION
ADDED BY KENTUCKY GEOLOGICAL SURVEY PERSONNEL

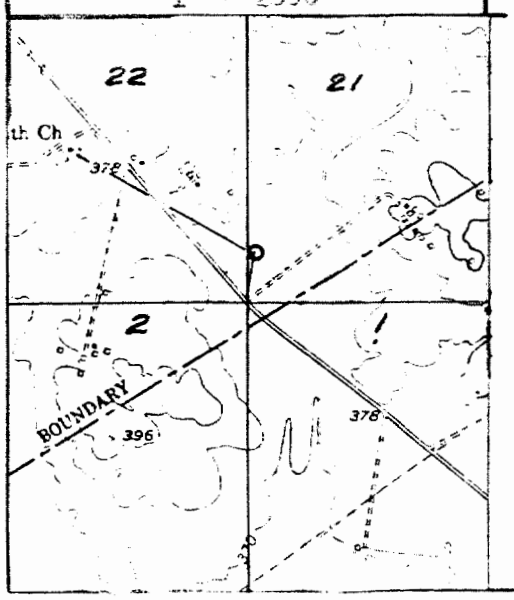
RECEIVED
JAN 03 1986
DEPT. OF MINES & MINERALS
OIL & GAS DIVISION

OPERATOR Reynolds Resources, Inc.
TRACT E.M. Young Estate (121.94 acres)
WELL NO. Young Est #1 ELEV. 373.9
COUNTY Webster STATE Kentucky
DATE 12/9/85 SCALE 1" = 500'
PREPARED BY Charles R. Starr (322-3036)
ADDRESS Route # 1, Hanson, Ky.

TOPO Nebo

CARTER COORDINATE
21-L-22
50 FWL 550 FSL

VICINITY MAP
1" = 2000'



STATE OF KENTUCKY
CHARLES R. STARR
NO. 1205
REGISTERED
LAND SURVEYOR

I hereby certify that this plat is correct to the best of my knowledge and belief.

Charles R. Starr
Registered Land Surveyor No. 1205

STATE OF KENTUCKY
DAVID R. FACKLER
7557
REGISTERED
PROFESSIONAL ENGINEER

Registered Engineer No. 7557

0066958001

Commonwealth of Kentucky
Department of Mines and Minerals
Oil and Gas Division
P. O. Box 14090
Lexington, KY 40512-4090

OP

AFFIDAVIT TO TIME AND MANNER OF PLUGGING AND FILLING WELL AS REQUIRED BY LAW

(Type or Print)

Hydrocarbon Investments Inc, 1015A Main St. Evansville IN 47708
Name and Address of Last Operator

Reynolds Resources, 1100 Walnut St. Owensboro Ky 42301
Name and Address of Original Operator Who First Permitted and Drilled This Well

Name and Address of Coal Operator

Permit No. 71699, Elevation _____, County Webster, Total Depth 2851

Carter Coordinates 550 (FNL) FSL, 50 (FEL) FWL, Sec. 21, Letter L, Number 22

Farm Owner (Lessor) Young Estate Well Number 1

Affidavit to be made in triplicate, one copy to be mailed to the Department of Mines and Minerals, one copy to be retained by the Well Operator and the third copy to be mailed by registered mail to each Coal Operator named at their respective addresses.

AFFIDAVIT

STATE OF ~~KENTUCKY,~~ IND.
COUNTY OF VANDERBURGH } SS:

0066958002

_____, Operator of the above captioned well does hereby swear that the plugging of said wells was completed according to instructions from the oil and gas inspector and according to Chapter 353 of the Kentucky Revised Statutes on 4-12, 19 96, record of which is listed below or shown on the back of this form.

(Plug Description)

PLUGGED: From 2600' To 2385' With 25 sacks cement yield 1.18 cu ft
From 850' To Surface - 3' With 100 sacks cement yield 1.18 cu ft
From _____ To _____ With _____
From _____ To _____ With _____
From _____ To _____ With _____
From _____ To _____ With _____
From _____ To _____ With _____

Indicate below the size and interval of all casing left in the well and if and where it was shot off.

Casing Size 5 1/2, Interval _____, Shot Off at _____ Bottom of Casing At _____
Casing Size _____, Interval _____, Shot Off At _____ Bottom of Casing At _____
Casing Size _____, Interval _____, Shot Off At _____ Bottom of Casing At _____

If casing was NOT left in the well, indicate the bore hole size and interval.

Bore Hole Size _____ Interval _____
Bore Hole Size _____ Interval _____

State whether or not other steel or junk was left in the well and describe: _____

Mike Downs
(Optional) **Signature of Contractor responsible for above plugging** Title

Craig Kendall
(Required) **Signature of Operator responsible for above plugging** Title PRESIDENT OF HYDROCARBON INVESTMENTS INC

Sworn to and subscribed before me this 12TH day of APRIL, 19 96.

Gayle L. Shoulders
GAYLE L SHOULDERS Notary Public
RESIDENT OF VANDERBURGH COUNTY

My commission expires: 8-11-96

NOTARY PUBLIC SEAL

RECEIVED
MAY 02 1996
DEPT. OF MINES & MINERALS
DIVISION OF OIL AND GAS

All Blanks must be completed. Incomplete affidavits will be rejected.
Revised 2-84

0066958003

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF MINES AND MINERALS
OIL AND GAS DIVISION
BOX 690
LEXINGTON, KENTUCKY 40586

RECEIVED
FEB 17 1987
DEPT. OF MINES & MINERALS
OIL & GAS DIVISION

WELL LOG AND COMPLETION REPORT AS REQUIRED BY LAW

TYPE OR PRINT

WELL IDENTIFICATION

Permit No. 71699

Operator ~~HYDROCARBON INVESTMENTS, INC.~~ REYNOLDS RESOURCES, INC.

Farm Name YOUNG ESTATE Well No. 1

TYPE OPERATION

Twin Well ..... ☐
Re-Open ..... ☐
New Well XX
Workover ..... ☐
Deepening ..... ☐

LOCATION

County WEBSTER

Sec. 21, Letter L, Number 22

550 FSL FNL, 50 FWL FEL

ELEVATION 373.9 (ground) 378.9 KB (D.F.) (K.B.)

TOTAL DEPTH DRILLED 2851

OPERATIONAL DATES

Commenced 10/28/86 Completed 11/05/86

Placed in Operation 1/19/87

Plugged _____ Shut-In _____

DRILLING METHOD

Cable Tool: From _____ To _____

Rotary: Conventional ☐, Air ☐, Mud XX

From 0 To 2851

GEOPHYSICAL LOGS RUN

(Electrical, induction, sonic, gamma ray, neutron, density, etc.)

Type	From	To
Dual Induction	0	2851
Density Neutron	0	2851
Micro Log	2000	2851
Gamma Ray	1200	2736

WATER ENCOUNTERED

(Fresh, salt, sulfur)

Type	From	To
salt (Formation)	2626	2642

Comments _____

TYPE OF COMPLETION (Check One)

Dry Hole ..... ☐
Oil XX
Gas ..... ☐

Shut-In or Producing? Producing

ENHANCED RECOVERY:
Water Injection ..... ☐
Gas Injection ..... ☐

SERVICE WELL:
Water Supply ..... ☐
Salt Water Disposal ..... ☐
Observation ..... ☐

GAS STORAGE:
Injection-Extraction ..... ☐

Other ..... ☐
Other Describe _____

INITIAL PRODUCTION

Oil: Natural _____ B/D _____ Date
After Treatment 15 B/D 2/10/87 Date
Gas: Natural _____ MCF _____ Date
Against Backpressure of _____ PSI
Shut-In Pressure _____ after _____ hours
After Treatment _____ MCF _____ Date
Against Backpressure of _____ PSI
Shut-In Pressure _____ after _____ hours

COMPLETION INTERVAL

Formation Name	Interval
McClosky-O'Hara	2626-2642

WELL TREATMENT

				In Open Hole	Thru Perforation
Shot	12 qts.	2632-36	Interval	☐	☐
Shot	12 qts.	2636-42	Interval	☐	☐
Acid	500 gals.	2632-36	Interval	☐	X
Acid	1500 gals.	2636-42	Interval	☐	X
Frac.	_____ gals.	_____	Interval	☐	☐
	_____ lbs./sand				
Frac.	_____ gals.	_____	Interval	☐	☐
	_____ lbs./sand				

CASING DATA

Casing Outside Diameter	Hole Diameter	Depth	Cement No. Sks.	Pulled Yes/No
8-5/8	12-1/4	45	45 Class A	no
5-1/2	7-7/8	2815	150 Class A	no
			250 Lite	

Cement yeild in cubic feet/sack = 1.18/Class A; 1.69/Lite

Comments Cement circulated to surface

OCCURENCE OF OIL AND GAS

Formation	Interval	Remarks (Shows of Oil and Gas, Fill-up Tests, DST'S, Cores, etc.)
Cypress Sand	2324-2429	DST 2324-2429 Recovered 55' SOCM
O'Hara Lime	2626-2642	DST 2629-2643 ~~Recovered 15' Clean oil, 62' OCM,~~ 2133' gas.

The undersigned hereby swears (or affirms) that the foregoing facts given are true as therein set forth.

Dates this 11th day of February, 19 87.

Craig Kendall
Signature

President
Title

This form must be completed and filed for every permit immediately after completion of the well. Re-opened wells need not include a Driller's Log, however, the front side of this form must be completed. **Incomplete forms will be rejected.**

Revised 2-84

KENDALL DRILLING CO., INC.

P. O. BOX 5304
EVANSVILLE, IN 47716
(812) 477-5535

0066958004

DRILLERS' LOG

DRILLED BY: REYNOLDS RESOURCES, 1100 WALNUT STREET, OWENSBORO, KY 42301
COMPLETED BY: HYDROCARBON INVESTMENTS, INC.
P. O. BOX 5047, EVANSVILLE, IN 47716
WELL NAME: YOUNG ESTATE #1
PERMIT NO.: 71699
WELL LOCATION: 550 FSL 50 FWL, 21-L-22, WEBSTER COUNTY, KENTUCKY
DATE COMMENCED: OCTOBER 28, 1986 DRILLING NOVEMBER 13, 1986 COMPLETED
DATE COMPLETED: NOVEMBER 5, 1986 DRILLING NOVEMBER 13, 1986 COMPLETED
SURFACE CASING: RAN 40.26' OF 8 5/8" CASING SET AT 45.26', CEMENTED WITH 45 SACKS OF CLASS "A" CEMENT WITH 3% CALCIUM CHLORIDE.

LONG STRING: RAN 2811.75' OF USED 5 1/2" CASING, SET GUIDE SHOE AT 2815.25' WITH LANDING JOINT 3.5' BELOW K.B., CEMENTED WITH 250 SACKS OF HALLIBURTON LITE, 150 SACKS CLASS "A" CEMENT WITH 2% CALCIUM CHLORIDE WITH 500 GAL MUD FLUSH AHEAD OF CEMENT.

FROM	TO	DESCRIPTION
0	46	SURFACE HOLE
46	75	LIME
75	835	LIME AND SHALE
835	1390	SHALE AND SAND
1390	1642	SHALE AND LIME
1642	1843	SHALE AND SAND
1843	1980	SHALE AND LIME
1980	1990	M. MENARD LIME
1990	1994	VIENNA LIME
1994	2106	SHALE AND SAND
2106	2132	GLEN DEAN LIME
2132	2140	SHALE
2140	2263	HARDINSBURG SAND
2263	2275	GOLCONDA LIME
2275	2345	SHALE AND LIME
2345	2348	BARLOW LIME
2348	2423	CYPRESS SAND
2423	2429	U. PAINT CREEK LIME
2429	2492	LIME AND SHALE
2492	2508	L. PAINT CREEK LIME
2508	2513	SHALE
2513	2523	BETHEL SAND
2523	2562	U. RENAULT LIME
2562	2569	SHALE
2569	2616	L. RENAULT LIME
2616	2630	LIME
2630	2642	O'HARA
2642	2708	McCLOSKY LIME
2708	2850	LIME
	2850	DRILLER'S TOTAL DEPTH
	2851	LOGGER'S TOTAL DEPTH

TO THE BEST OF MY KNOWLEDGE, THIS IS A TRUE COPY OF THE DRILLERS' LOG ON THE YOUNG ESTATE #1, 21-L-22, WEBSTER COUNTY, KENTUCKY

KENDALL DRILLING COMPANY, INC.

Kendra L. Rakestraw

KENDRA L. RAKESTRAW

1-22

FILMED ☐

County Webster State Ky.

Sec. 22 T. L R. 22

Loc. 4950'FS 8650'FE Quad. L/S

Opr. H. Paul Maier

Farm #1 Baker Heirs

I.P. D&A Date 3/2/64

T.D. 2792 M.L.

Fm. Tested McClosky S.S.

Elec. Log yes Core Chips

Samples on File [redacted] Box No.

SUB-SEA DATA

BLM -1544

CV. F -1963

SAND RECORD

TOPS 326

Rec# 55812

Maier, Paul H.

Operator: -20- spaces

Baker Heirs #1

Farm: -30- spaces

22-L-22

Carter Cood: -7-spaces

Footages: -4-spaces FSL X -4-spaces FEL

Elec. Log ✓ Density Log __

County: -15-spaces Webster

Elev: 399 -3-spaces

T.D.: 2792 -5-spaces

1100 N 1050 W

	DPTH	DEPH	DEPH	TYPE	ELEV. BASE
Carthage Lmst.	BC				
channel facies ss.1		BC			
channel facies ss.2		BC			
W. Franklin Lmst.	226				
Coiltown coal	CN				
Central City ss.		NP?			
Wheatcroft coal	CN				
Anvil Rock ss.		NP			
Baker coal	389				
U. Providence Lm.	421				
Paradise coal	CN				
L. Providence Lm.	441				
Herrin coal	445				
U. Vermillionville ss		NP			
Briar Hill coal	CN				
L. Vermillionville ss		475	500	P	
Springfield coal	530				
U. Pleasantview ss.		NP			
Houchen Creek coal	592				
L. Pleasantview ss.		NP			
Survant coal	623				
Colchester coal	660				
Sebree ss.		680	727	F	
Davis coal	751				
U. Granger ss.		829	861	G	
L. Granger ss.		883	963	G	
Curlew Lmst.	NP?				
Mannington coal	NP?				
Empire Lmst	NP				
Lead Creek Lmst.	NP				
channel facies ss.3		1214	1425	G	
Bell coal	CN				
Caseyville Fm. top	CN				
Caseyville Fm. bot	1650				
% sandstone	20%				
Vienna Lmst.	2012				

TYPE SS: G=good, F=fair, P=poor
BC= behind casing
NP= not present
CN= could not pick

Appendix F

Owner Interview Documentation

Owner Interviews Tracking Sheet

Weirs Creek Solar Project

Hopkins and Webster Counties, Kentucky

Owner Entity/Name	Contact Name	Contact Information	Attempts			Comments
			1st	2nd	3rd	
Donaldson Farms Inc	Tom Logan	270-875-7790	4/10/2023	N/A	N/A	The land is used for soy and corn. There are no permanent structures. There were houses many years ago that may have had wells, but they do not know for sure. There is tiling in most of the fields. Twenty acres of the property had biosolid applications for the purposes of composting between approximately 1997 to 2000.
Mitchell Boys Farms	Micah Mitchell	270-635-0699	4/10/2023	4/12/2023	N/A	The land is used for row crops. There are a few grain bins, but no sites of environmental significance reported.
Sami LLC	Mike Donaldson 270-836-7658	270-836-7658	4/10/2023	N/A	N/A	Both properties are used for beans and corn. Townsend Farms has buildings and houses with septic systems and electricity dating back to approximately 1982. There are no buildings, electricity or septic systems on the Sami LLC property. A Texas Gas Pipeline runs through the properties.
Townsend Farms Inc						

FOR INTERNAL USE ONLY	
ECT Project Number:	
ECT Project Name:	
Date Received:	

> ectinc.com

Owner Environmental Questionnaire

INSTRUCTIONS: Please complete the following questions to the best of your knowledge. Any description pertaining to the location(s) of identified features would be greatly appreciated.

Section, Township & Range (with quarter) and/or Addresses: _____

Owner Name/Entity: Contact for Sami LLC 100% owner and Townsend Farms Inc (82%)

Contact Full Name & Affiliation: Mr. Mike Donaldson

Email Address: _____

Phone No.: 270-836-7658

Other Site Personnel (Name & Contact Information): _____

Contact for Sami LLC 100% owner and Townsend Farms Inc (82%)

1) When did you purchase the property(ies) and/or since what year have you been affiliated with the property(ies)?

57 years

2) What are the CURRENT uses of the property?

Beans and corn

3) What are the PAST uses of the property?

Beans and corn

4) What is the approximate age (or construction date) and size /square footage of current structure(s)?

Townsend Farms has buildings and houses dating back to approximately 1982

There are no buildings on the Sami LLC property

5) If the property is currently vacant or undeveloped, do you know of any prior improvements? If yes, please describe. ☑ NO ☐ YES

6) Are you aware of any current or previous wells or septic systems? If yes, please provide approximate location(s). ☐ NO ☐ YES

Septic on Townsend with the house

SEE REVERSE

7) Do any utilities currently service the property? If yes, please specify. ☐ NO ☑ YES

Electricity on Townsend, no gas on either, no electricity on Sami.

8) Are you aware of any storage, use, generation, or disposal of automotive, industrial, or agricultural chemicals, batteries, solvents, petroleum products, pesticides, or related regulated chemicals? If yes, please explain. ☑ NO ☐ YES

9) Are you aware of any underground or aboveground storage tanks for any chemicals or petroleum products currently or historically located on the property? If yes, please explain and specify underground or aboveground. ☑ NO ☐ YES

10) Has the property been used as a waste landfill, dump, or disposal site? If yes, please identify and explain. ☑ NO ☐ YES

11) Are you aware of any fill material that has been placed on the property? If yes, please specify and indicate source of material. ☐ NO ☑ YES

Gravel roads

12) Are you aware of any current or former oil or gas wells, or associated tanks/pipelines on the property? If yes, please identify and explain. ☐ NO ☑ YES

Texas Gas Pipeline

13) Are you aware of any current or former (i.e., filled) pits, ponds, or lagoons located on the property? If yes, please describe. ☑ NO ☐ YES

14) Are you aware of any past cattle dipping vats on the property? ☑ NO ☐ YES

15) Are you aware of any former or current biosolid application? If yes, please describe location(s) and years of application. ☑ NO ☐ YES

SEE FINAL PAGE (3)

16) Are you aware of any petroleum or hazardous waste discharges or releases to the environment, or contamination impacts to the site soil, groundwater, or surface waters? If yes, please describe.
☑ NO ☐ YES

17) Are you aware of any leases or easements on the property? If yes, please list. ☑ NO ☐ YES

18) Are you aware of any pending, threatened, or past environmental litigation, proceedings, or notices of possible violations of environmental laws or liability or potential environmental concerns in connection with the property? ☑ NO ☐ YES

19) Are you aware of any past environmental assessment report(s) prepared for the property? If yes, are you able to provide a copy of the prior report(s)? ☑ NO ☐ YES

I certify to the best of my knowledge that the above statements and facts are true and correct. To the best of my knowledge, no provided material facts have been suppressed or misstated.

Completed By: Jason Andrews Title/Company: (If applicable) _____

Signature: _____ Date: _____

Relationship to site: _____

Please return a copy of the completed Owner Environmental Questionnaire form to **Environmental Consulting & Technology, Inc (ECT)** at:

Email (preferred):	**BJarvis@ectinc.com**
Mailing Address:	ECT, Attn: Beth Jarvis 2001 Commonwealth Blvd, Suite 100 Ann Arbor, MI 48105-2957

WANT TO COMPLETE ELECTRONICALLY?

Please scan the QR code with your smartphone camera to be directed to the online form, or go to:

https://forms.office.com/r/Xgm2P6enzr

FOR INTERNAL USE ONLY	
ECT Project Number:	
ECT Project Name:	
Date Received:	

> ectinc.com

Owner Environmental Questionnaire

INSTRUCTIONS: Please complete the following questions to the best of your knowledge. Any description pertaining to the location(s) of identified features would be greatly appreciated.

Section, Township & Range (with quarter) and/or Addresses: _____

Owner Name/Entity: Contact for Sami LLC 100% owner and Townsend Farms Inc (82%)

Contact Full Name & Affiliation: Mr. Mike Donaldson

Email Address: _____

Phone No.: 270-836-7658

Other Site Personnel (Name & Contact Information): _____

Contact for Sami LLC 100% owner and Townsend Farms Inc (82%)

1) When did you purchase the property(ies) and/or since what year have you been affiliated with the property(ies)?

57 years

2) What are the CURRENT uses of the property?

Beans and corn

3) What are the PAST uses of the property?

Beans and corn

4) What is the approximate age (or construction date) and size /square footage of current structure(s)?

Townsend Farms has buildings and houses dating back to approximately 1982

There are no buildings on the Sami LLC property

5) If the property is currently vacant or undeveloped, do you know of any prior improvements? If yes, please describe. ☑ NO ☐ YES

6) Are you aware of any current or previous wells or septic systems? If yes, please provide approximate location(s). ☐ NO ☐ YES

Septic on Townsend with the house

SEE REVERSE

7) Do any utilities currently service the property? If yes, please specify. ☐ NO ☑ YES

Electricity on Townsend, no gas on either, no electricity on Sami.

8) Are you aware of any storage, use, generation, or disposal of automotive, industrial, or agricultural chemicals, batteries, solvents, petroleum products, pesticides, or related regulated chemicals? If yes, please explain. ☑ NO ☐ YES

9) Are you aware of any underground or aboveground storage tanks for any chemicals or petroleum products currently or historically located on the property? If yes, please explain and specify underground or aboveground. ☑ NO ☐ YES

10) Has the property been used as a waste landfill, dump, or disposal site? If yes, please identify and explain. ☑ NO ☐ YES

11) Are you aware of any fill material that has been placed on the property? If yes, please specify and indicate source of material. ☐ NO ☑ YES

Gravel roads

12) Are you aware of any current or former oil or gas wells, or associated tanks/pipelines on the property? If yes, please identify and explain. ☐ NO ☑ YES

Texas Gas Pipeline

13) Are you aware of any current or former (i.e., filled) pits, ponds, or lagoons located on the property? If yes, please describe. ☑ NO ☐ YES

14) Are you aware of any past cattle dipping vats on the property? ☑ NO ☐ YES

15) Are you aware of any former or current biosolid application? If yes, please describe location(s) and years of application. ☑ NO ☐ YES

SEE FINAL PAGE (3)

16) Are you aware of any petroleum or hazardous waste discharges or releases to the environment, or contamination impacts to the site soil, groundwater, or surface waters? If yes, please describe.
☑ NO ☐ YES

17) Are you aware of any leases or easements on the property? If yes, please list. ☑ NO ☐ YES

18) Are you aware of any pending, threatened, or past environmental litigation, proceedings, or notices of possible violations of environmental laws or liability or potential environmental concerns in connection with the property? ☑ NO ☐ YES

19) Are you aware of any past environmental assessment report(s) prepared for the property? If yes, are you able to provide a copy of the prior report(s)? ☑ NO ☐ YES

I certify to the best of my knowledge that the above statements and facts are true and correct. To the best of my knowledge, no provided material facts have been suppressed or misstated.

Completed By: Jason Andrews Title/Company: (If applicable) _____

Signature: _____ Date: _____

Relationship to site: _____

Please return a copy of the completed Owner Environmental Questionnaire form to **Environmental Consulting & Technology, Inc (ECT)** at:

Email (preferred):	**BJarvis@ectinc.com**
Mailing Address:	ECT, Attn: Beth Jarvis 2001 Commonwealth Blvd, Suite 100 Ann Arbor, MI 48105-2957

WANT TO COMPLETE ELECTRONICALLY?

Please scan the QR code with your smartphone camera to be directed to the online form, or go to:

https://forms.office.com/r/Xgm2P6enzr

FOR INTERNAL USE ONLY	
ECT Project Number:	210152
ECT Project Name:	Weirs Creek
Date Received:	04/10/2023

> ectinc.com

Owner Environmental Questionnaire

INSTRUCTIONS: Please complete the following questions to the best of your knowledge. Any description pertaining to the location(s) of identified features would be greatly appreciated.

Section, Township & Range (with quarter) and/or Addresses: _____

Owner Name/Entity: Donaldson Farms Inc

Contact Full Name & Affiliation: Tom Logan, Percentage Owner

Email Address: _____

Phone No.: 270-875-7790

Other Site Personnel (Name & Contact Information): Contact for Sami LLC 100% owner and Townsend Farms Inc (82%)

1) When did you purchase the property(ies) and/or since what year have you been affiliated with the property(ies)?
Most of the land was bought in the 50s by family

2) What are the CURRENT uses of the property?
Agricultural crops, soy and corn

3) What are the PAST uses of the property?
Agricultural crops, soy and cornbeans

4) What is the approximate age (or construction date) and size /square footage of current structure(s)?
No permanent structures. There were houses many years ago that may have had wells, but they do not know for sure.

There are no buildings on the Sami LLC property

5) If the property is currently vacant or undeveloped, do you know of any prior improvements? If yes, please describe. ☑ NO ☑ YES
Tiling in most of the fields

6) Are you aware of any current or previous wells or septic systems? If yes, please provide approximate location(s). ☑ NO ☐ YES
Septic on Townsend with the house

SEE REVERSE

7) Do any utilities currently service the property? If yes, please specify. ☐ NO ☑ YES

Electricity on Townsend, no gas on either, no electricity on Sami.

8) Are you aware of any storage, use, generation, or disposal of automotive, industrial, or agricultural chemicals, batteries, solvents, petroleum products, pesticides, or related regulated chemicals? If yes, please explain. ☑ NO ☐ YES

9) Are you aware of any underground or aboveground storage tanks for any chemicals or petroleum products currently or historically located on the property? If yes, please explain and specify underground or aboveground. ☑ NO ☐ YES

10) Has the property been used as a waste landfill, dump, or disposal site? If yes, please identify and explain. ☑ NO ☑ YES

11) Are you aware of any fill material that has been placed on the property? If yes, please specify and indicate source of material. ☑ NO ☑ YES

Gravel roads

12) Are you aware of any current or former oil or gas wells, or associated tanks/pipelines on the property? If yes, please identify and explain. ☐ NO ☑ YES

Possible oil well, likely dry

13) Are you aware of any current or former (i.e., filled) pits, ponds, or lagoons located on the property? If yes, please describe. ☐ NO ☑ YES

One small pond

14) Are you aware of any past cattle dipping vats on the property? ☑ NO ☐ YES

15) Are you aware of any former or current biosolid application? If yes, please describe location(s) and years of application. ☑ NO ☐ YES

About 20 years ago, land application permit for compost. Some of it came from the water treatment plant. He is not a current owner of the farm.

SEE FINAL PAGE (3)

16) Are you aware of any petroleum or hazardous waste discharges or releases to the environment, or contamination impacts to the site soil, groundwater, or surface waters? If yes, please describe.
☑ NO ☐ YES

17) Are you aware of any leases or easements on the property? If yes, please list. ☑ NO ☐ YES

18) Are you aware of any pending, threatened, or past environmental litigation, proceedings, or notices of possible violations of environmental laws or liability or potential environmental concerns in connection with the property? ☑ NO ☐ YES

19) Are you aware of any past environmental assessment report(s) prepared for the property? If yes, are you able to provide a copy of the prior report(s)? ☑ NO ☐ YES

I certify to the best of my knowledge that the above statements and facts are true and correct. To the best of my knowledge, no provided material facts have been suppressed or misstated.

Completed By: Jessica Phlips for Tom Logan

Title/Company: (If applicable) _____

Signature: _____

Date: 04/10/2023

Relationship to site: _____

Please return a copy of the completed Owner Environmental Questionnaire form to **Environmental Consulting & Technology, Inc (ECT)** at:

Email (preferred):	**BJarvis@ectinc.com**
Mailing Address:	ECT, Attn: Beth Jarvis 2001 Commonwealth Blvd, Suite 100 Ann Arbor, MI 48105-2957

WANT TO COMPLETE ELECTRONICALLY?

Please scan the QR code with your smartphone camera to be directed to the online form, or go to:

https://forms.office.com/r/Xgm2P6enzr

Appendix G

State/Local Interview Documentation

Freedom of Information Act (FOIA) Requests Tracking Sheet

Weirs Creek Solar Project

Hopkins and Webster Counties, Kentucky

Agency Name	Contact Name & Title (if known)	Method of Inquiry	Attempts			Comments
			1st	2nd	3rd	
STATE AGENCIES						
Kentucky Energy and Environment Cabinet	Not Specified	EEC.KORA@ky.gov	4/12/2023	4/14/2023	4/18/2023	No records were available to be located regarding the biosolid application. No response was received regarding mining reclamation.
COUNTY AGENCIES						
Hopkins County Health Department	Mr. John Montgomery	phyllisw.mason@ky.gov JohnD.Montgomery@ky.gov	3/31/2023	4/4/2023	N/A	No records are available regarding the Subject Property.
Webster County Health Department	Mr. Brandon Chandler, Environmentalist	brandon.chandler@grdhd.org	3/31/2023	4/4/2023	N/A	No records are available regarding the Subject Property.
MUNICIPAL/LOCAL AGENCIES						
Providence City Fire Department	Chief Steve Burns Ms. Tiffany Conrad	sburns@providenceky.com tconrad@providenceky.com	3/31/2023	4/4/2023	4/12/2023	Emails were sent to Chief Steve Burns, with no reply. A phone call was made to the city which specified that records should be sent for Ms. Tiffany Conrad, so an additional email was sent.
Nebo Fire & Rescue	Mr. Steve Ashby	Steve.ashby@rocketmail.com 270-875-5040	3/31/2023	4/4/2023	4/12/2023	Two emails were sent to Mr. Steve Ashby, and a voicemail was left at the department phone number.

GREEN RIVER DISTRICT HEALTH DEPARTMENT

REQUEST TO INSPECT PUBLIC RECORDS
RE: KRS CH. 61

REQUEST

DATE: April 4, 2023

1. I, Jessica Phlips (Print Name), request to inspect the following document(s): Information regarding wells, septic systems, storage tanks, releases or incidents involving hazardous substances and/or petroleum products, fires, historical or active landfills, dumping of materials, remediation sites, migrating contamination, or any other environmentally sensitive records.
2. Number of copies of each document requested @ 10¢ a page:
3. Enclosed $ Email before any records are produced to approve of fee Check [ ] Money Order [ ] Cash [ ]
4. Signature: Electronically signed by Jessica Phlips on April 4, 2023
   Company: ECT
   Address: 3720 Wilder Road, Unit B, Bay City, Michigan 48706 Phone: 469-338-2901
5. Is requested information from a database or geographic information system: Yes [x] No [ ]
6. For commerical use: Yes [x] No [ ]
7. If the answer to questions 5 & 6 is yes, for what commercial purpose will the requested information be used?:
   Environmental Site Assessment

I hereby certify that the information set forth in item 7 is true and correct to the best of my knowledge.

Signature: Electronically signed by Jessica Phlips on April 4, 2023

DISPOSITION

8. The following disposition was made of the above request: No Records Found

Signature of Records Custodian: Brandon Chandler

Date: 4-5-23

Amount Received:

Received By:

Date:

Jessica Phlips

From: Jessica Phlips
Sent: Wednesday, April 12, 2023 3:39 PM
To: tconrad@providenceky.com
Subject: FW: Records Request
Attachments: Kentucky Map.JPG; Parcels 20230331.xlsx

Good Afternoon,

We are conducting an environmental site assessment for an area of land located north of Nebo Road and east of US Highway 41A in Hopkins and Webster Counties in Kentucky. As part of this assessment, we are required to interview local government agencies about any potential environmental concerns pertaining to the property and its vicinity. We are hoping to receive any available records for this area (via email preferred) pertaining to:

- Wells,
- Fires,
- Septic systems,
- Storage tanks,
- Releases or incidents involving hazardous substances and/or petroleum products,
- Historical or active landfills,
- Dumping of materials,
- Remediation sites,
- Migrating contamination, and/or
- Any other environmentally sensitive records.

A general site map and available parcel information is included for your reference.

Thank you,

Jessica Phlips
Technical Writer | Site Assessment & Remediation
C: 469-338-2901

ECT
> ectinc.com

Jessica Phlips

From: Jessica Phlips
Sent: Tuesday, April 4, 2023 1:45 PM
To: Steve.ashby@rocketmail.com
Subject: RE: Records Request

Good Afternoon,

Can you please update me on the below request?

Thank you,

Jessica Phlips
Technical Writer | Site Assessment & Remediation
C: 469-338-2901

ECT
> ectinc.com

From: Jessica Phlips
Sent: Friday, March 31, 2023 4:24 PM
To: Steve.ashby@rocketmail.com
Subject: Records Request

Good Afternoon,

We are conducting an environmental site assessment for an area of land located north of Nebo Road and east of US Highway 41A in Hopkins and Webster Counties in Kentucky. As part of this assessment, we are required to interview local government agencies about any potential environmental concerns pertaining to the property and its vicinity. We are hoping to receive any available records for this area (via email preferred) pertaining to:

- Wells,
- Fires,
- Septic systems,
- Storage tanks,
- Releases or incidents involving hazardous substances and/or petroleum products,
- Historical or active landfills,
- Dumping of materials,
- Remediation sites,
- Migrating contamination, and/or
- Any other environmentally sensitive records.

A general site map and available parcel information is included for your reference.

Thank you,

Jessica Phlips
Technical Writer | Site Assessment & Remediation
C: 469-338-2901

Jessica Phlips

From: Montgomery, John D (LHD - Hopkins Co) <JohnD.Montgomery@ky.gov>
Sent: Wednesday, April 5, 2023 8:12 AM
To: Jessica Phlips
Subject: Nebo Rd & 41A Property

Jessica,

We do not have any records or information on the site.

Thank you,

John D. Montgomery
Hopkins County Heath Department
412 N. Ky Ave
Madisonville Ky 42431

Jessica Phlips

From: Taylor, David M (EEC) <David.Taylor@ky.gov>
Sent: Friday, April 14, 2023 11:38 AM
To: Jessica Phlips
Subject: RE: FOIA - Biosolids
Attachments: Lat 37.393504°, Long -87.656989°. .jpg

Ms. Philips,

The Energy and Environment Cabinet received your request; however, a search of our database has revealed that we have no listing (records) for the coordinates that you submitted. I have attached a site map of the surrounding area for your review. If you have any questions or concerns, please feel free to let me know at the contact information below.

Thank you, and have a wonderful weekend.

** If you wish to appeal this decision, you may do so by filing a complaint with the Attorney General's Office, Open Records/Open Meetings Division, The Capitol, 700 Capitol Avenue, Suite 118, Frankfort, KY 40601, pursuant to KRS 61.880(2), or by filing an original civil action in the appropriate circuit court under KRS 61.882. If you first appeal to the Attorney General but are dissatisfied with the Attorney General's decision, you may further appeal to circuit court pursuant to KRS 61.880(5).

Mike Taylor

Public Records Branch - Open Records Section
Office of Administrative Services
Division of Information Services
Energy and Environment Cabinet
300 Sower Blvd – 1 SE WK #9
(502) 782-6461
EEC.KORA@ky.gov

From: Jessica Phlips <jphlips@ectinc.com>
Sent: Friday, April 14, 2023 12:04 PM
To: Taylor, David M (EEC) <David.Taylor@ky.gov>
Subject: RE: FOIA - Biosolids

Good Morning,

Coordinates are somewhat difficult to specify given the nature of the land. However, we've done our best to identify the eastern portion of the field, alongside 1089, as Lat 37.393504°, Long -87.656989°. This is depicted in the screenshot below. Please let me know if this helps. Thank you!

Jessica Phlips
Technical Writer | Site Assessment & Remediation
C: 469-338-2901

From: Taylor, David M (EEC) <David.Taylor@ky.gov>
Sent: Thursday, April 13, 2023 ~~7:07 AM~~
To: Jessica Phlips <jphlips@ectinc.com>
Subject: RE: FOIA - ~~Biosolids~~

Ms. Philips,

The Energy and Environment Cabinet received your request; however, in order to do checks on properties, we need a valid name, address or Lat/Long coordinates to be able to locate your site. We do not do lookups by

means of lot#s or parcel#s. Lat/Long coordinates are the most reliable form of directions you can submit, but the other 2 can point us in the right direction.

Please resubmit your request with one of the suggested forms of direction to your property. If you have any questions or concerns, please feel free to let me know at the contact information below.

Thank you, and have a great day. Sincerely,

Mike Taylor

Public Records Branch - Open Records Section
Office of Administrative Services
Division of Information Services
Energy and Environment Cabinet
300 Sower Blvd – 1 SE WK #9
(502) 782-6461
EEC.KORA@ky.gov

From: Jessica Phlips <jphlips@ectinc.com>
Sent: Wednesday, April 12, 2023 5:17 PM
To: EEC DEP KORA <EEC.KORA@ky.gov>
Subject: FOIA - Biosolids

Good Afternoon,

We are completing an environmental assessment north of the intersection of Alt 41/Nebo Road and FM 1089/Donaldson Road in Hopkins County, Kentucky.

We would like to request any available information regarding a biosolid application on parcel number 28-17-1 (fields 12 through 20), on an approximately 20 acre area sometime in the late 1990s or very early 2000s. We would like to know the details regarding the amounts, locations, types, and dates of applications on this property. We believe the owner at the time may have been Micky D Corporation. The current owner is Donaldson Farms Inc. We have very little information available for clarification, due to the ownership transferring. Neither the current or prior owner has any documentation. A map is included to clarify location.

Thank you,

Jessica Phlips
Technical Writer | Site Assessment & Remediation
C: 469-338-2901

ECT
> ectinc.com

Appendix H

Photographic Documentation

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No:
Weirs Creek Solar, LLC	, , Kentucky	210152-0900

Description
View of the northern portion of the Subject Property

Description
View of the eastern portion of the Subject Property

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No:
Weirs Creek Solar, LLC	, , Kentucky	210152-0900

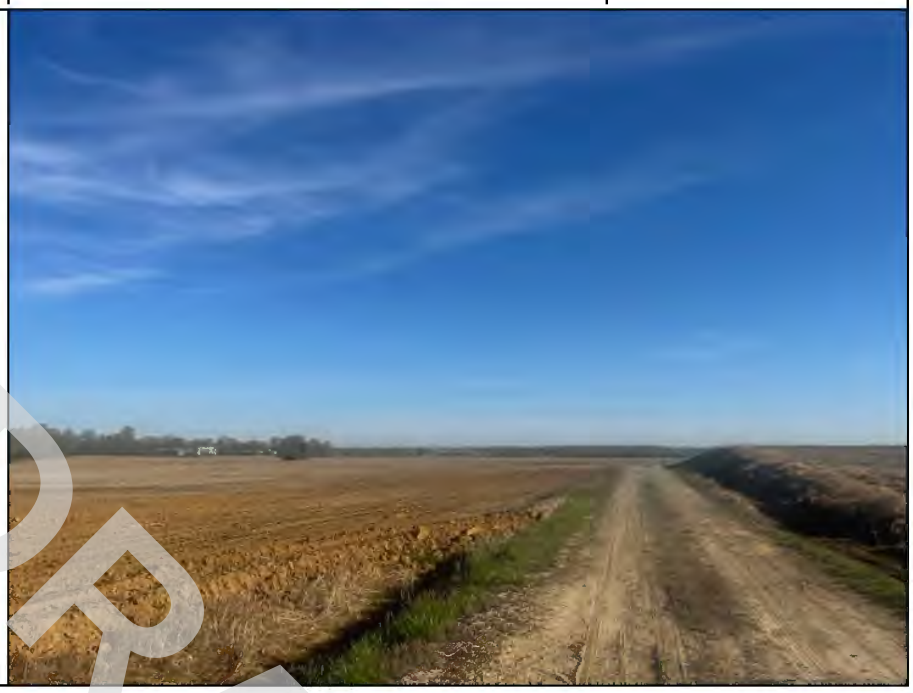
Description
View of the southern portion of the Subject Property

Description
View of the western portion of the Subject Property

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No:
Weirs Creek Solar, LLC	, , Kentucky	210152-0900

Description
Typical view of the private access roads throughout the Subject Property



Description
View of the Donaldson farmstead on the Subject Property

Site Inspection Date: April 12, 2023

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No:
Weirs Creek Solar, LLC	, , Kentucky	210152-0900

Description
View of the truck scale house on the Donaldson farmstead on the Subject Property

Description
View of a typical hydraulic oil container throughout the Donaldson Farmstead

Site Inspection Date: April 12, 2023

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No:
Weirs Creek Solar, LLC	, , Kentucky	210152-0900

Description
View of a typical engine oil drum oberserved throughout the Donaldson farmstead

Description
View of the large water ASTs not in use on the Donaldson farmstead

Site Inspection Date: April 12, 2023

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No:
Weirs Creek Solar, LLC	, , Kentucky	210152-0900

Description
View of the approximately 3,000-gallon diesel AST in use at the Donaldson Farmstead

Description
Typical view of the empty ASTs not in use on the Donaldson Farmstead

Site Inspection Date: April 12, 2023

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No:
Weirs Creek Solar, LLC	, , Kentucky	210152-0900

Description
View of the farm dump containing petroleum product containers, waste drums, and building materials on the Donaldson farmstead

Description
View of the farm dump containing household appliances and scrap metal on the Donaldson farmstead

Site Inspection Date: April 12, 2023

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No:
Weirs Creek Solar, LLC	, , Kentucky	210152-0900

Description
View of the significant oil staining observed near the drums with open lids on the Donaldson farmstead

Description
View of the significant oil staining and stressed vegetation near the outbuilding on the Donaldson farmstead

ECT

PHOTOGRAPHIC LOG

Client Name:	**Site Location:**	**Project No:**
Weirs Creek Solar, LLC	, , Kentucky	210152-0900

Description
View of the significant herbicide staining near the tote within the Donaldson farmstead

Description
View of the cemetery on the Donaldson farmstead on the Subject Property

Site Inspection Date: April 12, 2023

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No:
Weirs Creek Solar, LLC	, , Kentucky	210152-0900

Description
View of the manure fertilizer stockpile on the northern portion of the Subject Property

Description
View of the manure fertilizer stockpile on the northern adjoining property

Site Inspection Date: April 12, 2023

ECT

PHOTOGRAPHIC LOG

Client Name:	**Site Location:**	**Project No:**
Weirs Creek Solar, LLC	, , Kentucky	210152-0900

Description
View of the drainage ditches throughout the Subject Property

Description
View of Weirs Creek traversing through the Subject Property

Site Inspection Date: April 12, 2023

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No:
Weirs Creek Solar, LLC	, , Kentucky	210152-0900

Description
View of the gas pipeline marker on the southwestern portion of the Subject Property

Description
View of the tank battery ASTs observed on the northern adjoining property to the Subject Property

Site Inspection Date: April 12, 2023

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No:
Weirs Creek Solar, LLC	, , Kentucky	210152-0900

Description
View of the oil well and pump jack observed on the northern adjoining property to the Subject Property

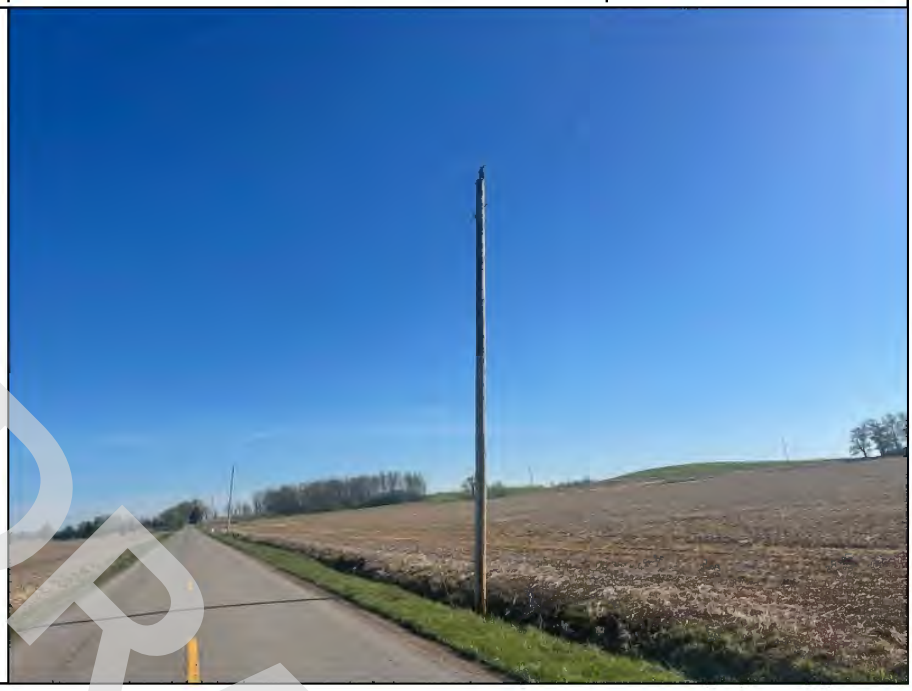
Description
View of the northern adjoining properties to the Subject Property

Site Inspection Date: April 12, 2023

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No:
Weirs Creek Solar, LLC	, , Kentucky	210152-0900

Description
View of the eastern adjoining properties to the Subject Property



Description
View of the southern adjoining properties to the Subject Property

Site Inspection Date: April 12, 2023

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No:
Weirs Creek Solar, LLC	, , Kentucky	210152-0900

Description
View of the western adjoining property to the Subject Property

Appendix I

Resumes of Environmental Consultants

Lindsay Landin

Due Diligence Project Manager

Ms. Landin has ten years of professional experience in the environmental consulting industry. As an Environmental Professional (EP), she is a specialist in the management, research, and authoring of thousands of transactional due diligence reports for projects across the United States and Canada. Ms. Landin's expertise ranges from traditional commercial/industrial due diligence to wind, solar, and energy storage projects ranging in size from one acre to 150,000 acres. She is an expert of numerous due diligence reporting formats, including but not limited to Phase I ESAs, desktop environmental reviews, and Phase II subsurface investigations.

PRIOR CAREER EXPERIENCE

Technical Reporting Manager | Supervisory Technical Report Writer
August Mack Environmental, Inc. | Lancaster, PA (Remote)
Managed and trained a team of due diligence technical writers remotely. Coordinated, managed, and administered projects from start to finish including the preparation and issuing of proposals, budgeting, scheduling and training of field and technical staff, vendor and client management and negotiations, and issuance of final reports.

Senior Technical Report Writer | Technical Report Writer
August Mack Environmental, Inc. | Lancaster, PA (Remote)
Coordinated, managed, and prepared ASTM E1527 and ASTM E2247 compliant Phase I ESAs for hundreds of commercial, industrial, and small to large-scale renewable energy projects. Conducted historical and regulatory agency research and landowner interviews, as well as interviews of local and state government to establish regulatory compliance status and define permitting requirements for construction and development. Prepared and peer reviewed numerous desktop reviews, Transaction Screen Assessments, and other client-specific Phase I ESA variations, as well as Phase II subsurface investigations, indoor air quality, asbestos survey, and lead-based paint survey reports.

Administrative Assistant | August Mack Environmental, Inc. | Lancaster, PA
Generated various technical reports, contingency plans and calculations related to environmental regulations as applicable to manufacturing clients. Performed property research using various state and county GIS, as well as county assessment records to complete historical reviews for due diligence projects. Streamlined the hazardous waste materials tracking process companywide and provided training to administrative personnel. Provided proofreading and editing support across all departments, including quality control of technical data entries. Coordinated and administered projects from start to finish.

EDUCATION

M.A., History
Millersville University

B.A., History
York College of Pennsylvania

CREDENTIALS/AFFILIATIONS

Member of ASTM International Committee E50, Environmental Assessment, Risk Management and Corrective Action

Member of Women of Renewable Industries and Sustainable Energy

ASTM International, "Phase I & II ESAs for Commercial Real Estate" Certification

AREAS OF EXPERTISE

All Appropriate Inquiries
ASTM E2247 & E1527
Technical Reporting
Historical Research
Regulatory Research
Project Management

Jessica Phlips

Technical Writer

Ms. Phlips has ten years of professional experience working with non-profits and state and local governmental offices. Mrs. Phlips expertise includes project management and program development, crisis management, and providing investigative and administrative support to various agencies.

Since joining ECT in 2022, Ms. Phlips has supported the research and technical writing component of multiple Phase I Environmental Site Assessments, desktop environmental records reviews, and critical issues analysis.

PREVIOUS CAREER EXPERIENCE

Family Advocate
Ellis County Children's Advocacy Center | Waxahachie, TX
Coordinated crisis management and case management services. Supported investigations for Law Enforcement and Child Protective Services. Provided administrative support for program development. Coordinated and authored grant writing projects with executive management.

Qualified Mental Health Professional
Phillip R Taft Psy.D PLLC & Associates|Corsicana, TX and surrounding areas
Developed a mental health support program initiated in the county jail. Provided de-escalation, crisis management, and assessments for inmates. Created and managed a system designed to streamline billing and insurance coordination. Supported staff with assessments and report writing.

Unit Clerk | Mental Health Technician
Sante Center for Healing |Argyle, TX
Authored a statistical data analysis project for the Director of Nursing. Provided auditing and administrative support for the accreditation process. Maintained electronic medical records and staff scheduling. Provided crisis intervention and support.

EDUCATION

B.S., Sociology
Texas Woman's University

M.S., Criminal Justice
Aspen University

AREAS OF EXPERTISE

Project Management
Program Development
Crisis Management
Administrative Support
Investigative Support

Nicole Rockentine, RG

Geologist

Ms. Rockentine has more than seven years of professional experience in the envionmental consulting industry. She is a masters-level educated registered geologist specializing in site characterization, assessment, and remediation. She is also experienced in conducting due diligence environmental assessments on traditonal commercial/industrial properties to wind and solar properties up to 150,000-acres. Ms. Rockentine has completed environmental investigations and assessments in over 20 states for regulatory programs and environmental due diligence.

PREVIOUS CAREER EXPERIENCE

Kennedy Jenks Consultants | Overland Park, KS
Performed various field activities including installation of monitoring wells, collection of soil and groundwater samples, recorded and prepared lithologic soil logs, delineated groundwater contaminants, remedial groundwater injections and soil excavation oversight. Assisted in developing and writing monitoring reports, conceptual site models, data gap reports, site characterizations, risk assessments, excavation reports, site closure reports. Conducted data management of long-term monitoring and remediation projects as well as prepared graphical and geographic representation of data for field work, work plans, and reports. Designed and implemented electronic and GIS based field collection forms to increase field efficiency. Execute primary duties independently and offer support and assistance to teammates while maintaining organizational, time management, and technical writing skills.

AEI Consultants | Overland Park, KS
Performed environmental assessments and investigations on residential, commercial, and industrial properties inclusive of wind farms, dry cleaners, gas stations, and manufacturing facilities, among others. Designed, proposed, and implemented more than 70 Phase II soil, groundwater, and soil gas investigations for a variety of suspected contaminants for due diligence and liability purposes across 18 states. Effectively managed all aspects of project completion, including coordinating and scheduling vendors/contractors, negotiating pricing, overseeing field work, sample collection, preparation of soil lithology logs and scaled figures, data interpretation, report writing and recommendations. Collaborated with team members to conduct well surveying, permanent monitoring well installation, and underground storage tank removal.

EDUCATION

M.A., Geology
Miami University

B.A., Geological Sciences
Albion College

CREDENTIALS

Registered Geologist-MO License No. 2020040770

40-Hour / 8-Hour HAZWOPER Certified

AREAS OF EXPERTISE

All Appropriate Inquiries
Landowner Liability Protections
ArcGIS and ESRI applications
ASTM E2247 & E1527
Environmental Sampling
Groundwater Monitoring
Risk-Based Corrective Action
Remediation & Mitigation Programs
Technical Reporting

May 13, 2024
ECT No. 210152-1301

Mr. Brian Bartels
Weirs Creek Solar, LLC
700 Universe Boulevard
Juno Beach, Florida 33408

Re: Phase I Environmental Site Assessment
Weirs Creek - Additional Parcels
Hopkins and Webster Counties, Kentucky

Dear Mr. Bartels,

Environmental Consulting & Technology, Inc. (ECT) is pleased to provide this Phase I Environmental Site Assessment (ESA) for the above-referenced property. This assessment was performed in accordance with the ASTM Standard Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process for Forestland or Rural Property (E2247-16). This Phase I ESA is valid through August 7, 2024, after which time certain components of this report may need to be updated. The date(s) of the most recent searches for environmental liens may alter this viability date. We appreciate the opportunity to work with you. Please feel free to contact us at 734.769.3004 should you have any questions concerning this report, or if we may assist you in any other matter.

Sincerely,

Environmental Consulting & Technology, Inc.

Jessica Phlips
Technical Writer

Rebecca M. Powell
Operations Director

Phase I Environmental Site Assessment of the Weirs Creek - Additional Parcels Hopkins and Webster County, Kentucky

May 13, 2024
ECT No. 210152-1301

for
Weirs Creek Solar, LLC
700 Universe Boulevard
Juno Beach, Florida 33408

ECT
3720 Wilder Road Unit B
Bay City, Michigan 48706
734.769.3004

Environmental Professional Statement

I, Rebecca M. Powell, declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR §312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. All elements of this Phase I ESA have been completed by me or persons under my direct supervision. For the sake of brevity, any references herein to the "Environmental Professional" or "EP" shall refer directly to me. Any references to "ECT" shall refer to me and/or those persons under my direct supervision.

A copy of the EP's resume and those directed by the EP in the completion of this assessment are included in the appendices (**Resumes of Environmental Consultants**).

Rebecca M. Powell
Operations Director
Environmental Professional

PROJECT SUMMARY TABLE

Weirs Creek - Additional Parcels
Hopkins and Webster Counties, Kentucky

Report Section		None	REC	CREC	HREC	DMC	Comments
3.0	Subject Property and Vicinity Descriptions	✔					
4.0	User Provided Information	✔					
5.0	Historical Review		✔				REC #1: Underground coal mining on the Subject Property and adjoining properties
6.0	Regulatory Database Review		✔				REC #1: See above
7.0	Regulatory Agency Records Review		✔				REC #1: See above
8.0	Interviews	✔					
9.2	Aboveground Storage Tanks	✔					
9.3	Electrical or Hydraulic Equipment Likely to Contain Fluids	✔					
9.4	Pits, Ponds, Ditches, Streams, or Lagoons	✔					
9.5	Wells	✔					
9.6	Septic Systems	✔					
9.7	Other Field Observations	✔					

Table of Contents

Appendices

Common Acronyms and Abbreviations

AST	Aboveground Storage Tank
AAI	All Appropriate Inquiry
AUL	Activity and Use Limitation
API	American Petroleum Institute
ACM	Asbestos-Containing Material
bgs	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
BER	Business Environmental Risk
CESQG	Conditionally Exempt Small Quantity Generator
COC	Constituent of Concern
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response Compensation and Liability Information System
CREC	Controlled Recognized Environmental Condition
DMC	*De Minimis* Condition
ECHO	Enforcement and Compliance History Online
ECT	Environmental Consulting & Technology, Inc.
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
FRS	Facility Registry Service
FOIA	Freedom of Information Act
HREC	Historical Recognized Environmental Condition
LLP	Landowner Liability Protection
LQG	Large Quantity Generator
LBP	Lead-Based Paint
LUST	Leaking Underground Storage Tank
MCL	Maximum Contaminant Level
MTBE	Methyl tert-butyl ether
µg/L	Micrograms per Liter
mg/kg	Milligrams per Kilogram
mg/L	Milligrams per Liter
NPL	National Priority List
NPMS	National Pipeline Mapping System
NWIS	National Water Information System
NFA/NFR	No Further Action/Remediation
NOV	Notice of Violation
NRCS	Natural Resources Conservation Service
PPB	Parts per Billion
PPM	Parts per Million
PID	Photoionization Detector
PCE	Perchloroethylene, Tetrachloroethylene, Tetrachloroethene, PERC
PIN	Parcel Identification Number
PCB	Polychlorinated Biphenyls
PAH	Polycyclic Aromatic Hydrocarbon
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
SDS	Safety Data Sheet
SVOC	Semi-Volatile Organic Compound
SDG	Significant Data Gap
SQG	Small Quantity Generator
SEMS	Superfund Enterprise Management System
SWF/LF	Solid Waste Facilities/Landfill
TCE	Trichloroethylene, Trichloroethene
TPH	Total Petroleum Hydrocarbons
TSDF	Treatment, Storage or Disposal Facility
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	Underground Storage Tank
VSQG	Very Small Quantity Generator
VOC	Volatile Organic Compound

1.0 Executive Summary

Environmental Consulting & Technology, Inc. (ECT) was retained by Weirs Creek Solar, LLC (the Client) to conduct a Phase I ESA in conformance with the scope and limitations of the ASTM Standard Practice E2247-16 (Forestland or Rural Properties) and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) for the property located to the east and west of Donaldson Road / Corinth Church Road in Hopkins and Webster County, Kentucky. Any exceptions to, or deletions from, this practice are described in Section 1.2.4 and Section 2.5 of this report. Any references to ECT throughout this report shall mean the Environmental Professional (EP) or those under the supervision of the EP.

1.1 Property Description

The Subject Property encompasses 474.99 acres of primarily agricultural land in Hopkins and Webster County, Kentucky.

A USGS Topographic Map is provided as **Figure 1** and a Subject Property Overview is provided as **Figure 2**. Any RECs identified as part of this assessment are depicted on **Figure 3** unless otherwise noted.

1.2 Evaluation

1.2.1 Findings and Opinions

Based on the information revealed as part of this Phase I ESA, ECT has identified the following findings and offers the below opinions as part of this Phase I ESA:

- **Underground and Surface Coal Mining (REC #1):** According to the Kentucky Energy and Environment Cabinet (KY EEC), Division of Mining Permit's (DMP) online KY Surface Mining Viewer, underground permitted mines were identified on the majority of the Subject Property and the surrounding area. According to the DMP, permit numbers 917-5013, 917-5015, and 917-5023 are all underground mines associated with the Dotiki Mine and have not been reclaimed. Given that underground mines extend beneath and throughout the Subject Property, there is a concern for subsidence should an underground collapse occur. In addition to subsidence concerns, potential issues with mining include the use of fill material of unknown origin, the use of heavy equipment with possible spills of oils and/ or fluids over time, abandoned mine drainage, and methane gas buildup in underground

mines. Since reclamation has not been achieved for three mine permits present on the Subject Property and two mine permits are still active, necessary regulatory standards have not been reached. **Based on the extensive underground and surface coal mining on the Subject Property and the surrounding area and that mine permits present on the Subject Property have not been reclaimed, it is the opinion of the EP that this is considered a REC.**

1.2.2 Conclusion

Ms. Rebecca M. Powell, Environmental Professional, has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E2247-16 and the 30 CFR 312 (*All Appropriate Inquiry*) of the Subject Property, located east and west of Donaldson Road / Corinth Church Road in Hopkins and Webster County, Kentucky. Any exceptions to, or deletions from, this practice are described in Section 2.5 of this report. **This assessment has revealed no evidence of *RECs*, *CRECs*, and/or *SDGs*, with the exception of the following:**

- **REC #1: Underground Coal Mining on the Subject Property and surrounding properties**

1.2.3 Additional Investigation

In accordance with ASTM E2247-16, the EP shall provide an opinion as to whether additional investigation to detect the presence of hazardous substances or petroleum products is warranted. This opinion does not render the assessment incomplete, nor is it intended to represent a recommendation. **Based on the findings of this assessment, it is the opinion of the EP that additional investigation is warranted for the Subject Property.**

1.2.4 Data Failure and Data Gaps

The following *data failures* and/or *data gaps* have been identified as part of this assessment:

- *Historical Sources Data Failure:* Topographic maps were available dating back to 1907, and historical usage information in the form of aerial photographs was available as early as 1942. The ASTM standard requires that all obvious uses of the property shall be identified from the present, back to the property's first developed use, or back to 1940, whichever is earlier. The 1907 topographical map revealed the Subject Property had one structure present in the southwestern portion. The presence of development in the earliest available historical data represents a data failure. However, given the nature of the Subject Property in 1907 and 1942, it is the opinion of the EP that this does not represent a *SDG*.
- *Historical Coverage Gap(s):* No historical coverage was available for the Subject Property for the early 1940s, 1960s, late 1970s, and late 1980s. However, based on the other available aerial photographs and topographic maps, ECT believes the Subject Property remained primarily agricultural during that time. Therefore, it is the opinion of the EP that this does not represent a *SDG*.
- *Historical Heating Sources:* ECT was unable to verify the heating source(s) of the historical structures formerly situated throughout the Subject Property. Based on the rural nature of the area, there is the potential for heating oil tanks to have been used as heating sources. However, it is likely that any buried heating oil tanks would have been removed during demolition activities. Therefore, it is the opinion of the EP that this does not represent a *SDG*.

No other *data failures* or *data gaps* were identified in this Phase I ESA.

2.0 Purpose and Scope of Work

This report documents the methods and findings of the Phase I ESA performed in conformance with the scope and limitations of ASTM Standard Practice E2247-16 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR 312) for the property located to the east and west of Donaldson Road / Corinth Church Road in Hopkins and Webster County, Kentucky.

2.1 Scope of Work

The purpose of ASTM Practice E2247-16 is to define good commercial and customary practice in the United States of America for conducting an environmental site assessment of *forestland* or *rural properties* with respect to the range of contaminants within the scope of the CERCLA (42 U.S.C. §9601) and *petroleum products*. Any exceptions to, or deletions from, this practice are described in Section 1.2.2 and Section 2.5 of this report.

The Phase I ESA conducted by ECT included, but was not limited to, the following services:

- A site visit of the Subject Property to look for evidence of a *release(s)* or potential *release* of *petroleum products* and *hazardous substances*;
- Observations of adjoining properties and the vicinity of the Subject Property;
- Interviews with individuals familiar with the Subject Property, as available;
- Review of regulatory agency and local files, as necessary;
- Review of historical documents, as available; and
- Preparation of a report presenting ECT's findings, including a summary of conclusions and recommendations, if requested.

The objective of Phase I ESAs is to provide *all appropriate inquiries* into the previous ownership and uses of the property consistent with good commercial and customary practice as defined at 42 U.S.C. §9601(35) (B) to permit a *user* to satisfy one of the requirements to qualify for the *innocent landowner*, *contiguous property owner*, or *bona fide prospective purchaser* limitations on CERCLA liability (a.k.a., *landowner liability protections*). The goal of Phase I ESAs is to identify *current*, *historical*, and *controlled RECs* and *de minimis conditions* in connection with the property, to the extent feasible pursuant to the processes prescribed in the ASTM E2247-16 guidelines. The terms current, historical, and controlled RECs and *de minimis* conditions are defined by ASTM, the definitions of which are included in the glossary.

2.2 Continued Viability of Phase I ESA

According to ASTM Standard Practice E2247-16, a Phase I ESA meeting or exceeding the standard and completed less than 180 days prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction is presumed to be valid. If within this period the assessment will be used by a *User* different than the *User* for whom the assessment was originally prepared, the subsequent *User* must also satisfy the *User's* Responsibilities outlined in Section 6 of ASTM Standard Practice E2247-16.

A Phase I ESA meeting or exceeding ASTM E2247-16 requirements and for which the information was collected or updated within one year prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction may be used provided that the below detailed components of the inquiries were conducted or updated within 180 days of the date of purchase, or the date of the intended transaction. The initial collection or inquiry dates for each required component as applicable to this report have been detailed in the table below.

REPORT COMPONENT	INITIAL DATE OF COLLECTION OR INQUIRY
(i) Interviews with Owners, Operators, and Occupants	**March 22 and 25, 2024**
(ii) Searches for Recorded Environmental Liens	**Not Provided**
(iii) Reviews of Federal, Tribal, State, and Local Government Records	**February 9, 2024**
(iv) Visual Inspection of the Property and of Adjoining Properties	**February 13-16, 2024**
(v) Declaration by the EP responsible for the assessment or update	**May 13, 2024**

2.3 Significant Assumptions

ECT assumes that the information provided by the regulatory database electronic search report provider, the regulatory agencies, the local unit of government, and the current Subject Property owner(s) is true and reliable.

2.4 Limitations and Exceptions

The opinions and recommendations presented in this report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by ECT and the party for whom this report was originally prepared. This report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. No representation, warranty, or guarantee, expressed or implied, is intended

or given. To the extent that ECT relied upon any information prepared by other parties not under contract to ECT, ECT makes no representation as to the accuracy or completeness of such information. This report is expressly for the sole and exclusive use of the party for whom this report was originally prepared for a particular purpose. Only the party for whom this report was originally prepared and/or other specifically named parties have the right to make use of and rely upon this report. Reuse of this report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties, shall be at the user's sole risk.

The findings presented in this report apply solely to site conditions existing at the time when ECT's assessment was performed. It must be recognized, however, that an ESA is intended for the purpose of determining the potential for contamination through limited research and investigative activities and in no way represents a conclusive or complete site characterization. Conditions in other parts of the Subject Property may vary from those at the locations where data were collected. ECT's ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100 percent confidence in ESA conclusions cannot reasonably be achieved.

ECT, therefore, does not provide any guarantees, certifications, or warranties that a property is free from environmental contamination. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and applicable laws, codes, regulations, or standards.

2.5 Limiting Conditions and Deviations

No limiting conditions and/or deviations were encountered as part of this Phase I ESA.

2.6 Special Terms and Conditions

The scope of work for this Phase I ESA did not include testing of electrical equipment for the potential presence of PCBs, lead-based paint, or the assessment of natural hazards such as naturally occurring asbestos, radon, or methane gas, assessment of the potential presence of radionuclides, or assessment of non-chemical hazards such as the potential for damage from earthquakes or floods. This Phase I ESA also did not include an extensive assessment of the environmental compliance status of the Subject Property or of the businesses that have operated on-site, or a health-based risk assessment.

2.7 User Reliance

This Phase I ESA was conducted for the use of and reliance by Weirs Creek Solar, LLC and their assignees and may be relied upon by these parties only. No use of the information contained in this report by others is permissible without receiving prior written authorization to do so from ECT. ECT is not responsible for independent conclusions, opinions, or recommendations made by others or otherwise based on the findings presented in this report.

3.0 Subject Property and Vicinity Descriptions

3.1 Subject Property Characteristics

A summary of the Subject Property is included in the table below.

SUBJECT PROPERTY DETAILS	
Project Name	Weirs Creek - Additional Parcels
Location	Hopkins and Webster Counties, Kentucky
Approximate Acreage	474.99 Source: Client
Current Use	Agricultural
Proposed Use	Solar Array
Areas of Environmental Interest	AST, abandoned farmstead, pipeline easement, mining operation to the east
Observed Use of Hazardous Substances	One AST
UTILITY INFORMATION	
Heating/Cooling Source	Unknown
Potable Water Source	Unknown
Sewage Disposal Provider	Unknown
REGULATORY INFORMATION	
Regulatory Database Listings	FINDS/FRS, ICIS, MINE, SPILLS
Activity and Use Limitations (AULs)	None identified
Environmental Liens	None identified

The Subject Property encompasses 474.99 acres of primarily agricultural land in Hopkins and Webster County, Kentucky, being added to the boundary of the larger Weirs Creek Project, which consists of 2,260 acres to the north and south. A USGS Topographic Map is provided as **Figure 1** and a Subject Property Overview is provided as **Figure 2**.

The Subject Property is situated in an area of agricultural development with sparse farmsteads and associated outbuildings northwest of the city of Nebo and northeast of the city of Providence. The Webster-Hopkins county line transects the central portion of the Subject Property in a southwest-northeast direction. The city of Nebo is located approximately 2.5 miles southeast of the Subject Property. The city of Providence is located approximately 2 miles to the west. The city of Dixon is located approximately 6 miles to the north.

3.2 Vicinity Characteristics

A summary of the surrounding properties is included in the table below.

DIRECTION	OCCUPANT(S)/USE(S)	REGULATORY DATABASE LISTING(S)
North	Agricultural land, mining operation at 2268 State Route 120 E	**Webster County Coal Corp/WC Welson Estate:** SFM AST PERMIT, RCRA NON GEN
East	Agricultural land, farmstead	None
South	Agricultural land	**Webster County Coal Co:** MINE
West	Agricultural land, farmsteads	None

Refer to Section 6.0 for a discussion of regulatory database listings.

3.3 Physical Setting

The physical setting of the Subject Property is described in the table below.

TOPOGRAPHY	
USGS Topographic Quadrangle	Nebo, Kentucky
Approximate Elevation	280-400 feet above sea level
Nearest surface water	A small pond and multiple ditches throughout the Subject Property
Source: USGS	
SOILS	
USDA NRCS Soil Map Unit	Robbs, Hosmer, Sharon, and Belknap series
Soil Type	Silt loam
Drainage Class	Somewhat poorly drained to moderately well drained
Source: NRCS	
GEOLOGY	
Physiographic Area/Region	Green River–Southern Wabash Lowlands in the Interior River Valleys and Hills
Geologic Formation	Middle to Upper Pennsylvanian age Sturgis Formation and Pleistocene to Holocene age Alluvium
Bedrock	Sand, sandstone, silt, and siltstone
Source: EPA and USGS	
HYDROLOGY	
Estimated Groundwater Flow[1]	Generally north
Estimated Depth to Groundwater	Approximately 23-55 feet below ground surface
Sources: USGS and Kentucky Groundwater Data Repository	

1. Groundwater flow direction can be influenced by the presence of wetland features, surface topography, recharge and discharge areas, inconsistencies in the types and location of subsurface soils, and proximity to water pumping wells.

4.0 User Provided Information

A completed User Questionnaire was not provided to ECT; therefore, ECT assumes that qualification for the LLPs is being established by the User in documentation outside of this assessment.

Any prior environmental reports provided by the User have been summarized in Section 5.4.

4.1 Reason for Performing Phase I ESA

The reason for performing this Phase I ESA is to satisfy CERCLA requirements to qualify for the *innocent landowner*, *contiguous property owner*, or *bona fide prospective purchaser* LLPs.

5.0 Historical Review

5.1 Historical Sources Reviewed

ECT reviewed the following reasonably ascertainable standard historical sources, as described in ASTM E2247-16, to determine the previous uses and occupancies of the Subject Property, adjoining properties, and surrounding area.

Aerial photographs were obtained from Environmental Risk Information Services (ERIS). Additionally, ECT reviewed available aerial photographs on Google Earth™. The current USGS 7.5-minute topographic map quadrangle is *Nebo, Kentucky*, which is dated 2019. Aerial photographs and topographic maps were reviewed on March 12, 2024.

Copies of the available aerial photographs and topographic maps are provided in the appendices (**Historical Sources**). The table below summarizes available historical source coverage for the Subject Property.

Dates	Aerial Photographs	Topographic Maps	Other Sources
No Coverage	☐	✔	☐
Prior to 1940	☐	☐	☐
1940 - 1945	✔	☐	☐
1946 - 1950	☐	☐	☐
1951 - 1955	✔	☐	☐
1956 - 1960	☐	✔	☐
1961 - 1965	☐	☐	☐
1966 - 1970	☐	☐	☐
1971 - 1975	✔	☐	☐
1976 - 1980	☐	☐	☐
1981 - 1985	✔	☐	☐
1986 - 1990	☐	☐	☐
1991 - 1995	☐	☐	✔
1996 - 2000	✔	☐	☐
2001 - 2005	✔	☐	☐
2006 - 2010	✔	☐	☐
2011 - 2015	✔	✔	☐
2016 - 2020	✔	✔	☐
Current	✔	☐	✔

5.2 Subject Property Historical Summary

Based upon review of the available historical sources, a chronological summary of historical data for the Subject Property is included below.

DATES	SUBJECT PROPERTY DESCRIPTION/USE	SOURCE(S)
1907 1909	A structure is depicted on the southwestern portion. The Webster-Hopkins County line bisects the central portion in an northeast-southwest direction.	Topographic maps
1942 1952 1954 1971 1983	KY-120 bisects the northern portion, traveling in a northwest-southeast direction. A majority of the area is in agricultural use with sparse wooded areas in the northern and central portions. An additional farmstead is present in the eastern portion on the Donaldson property (parcel 28-2), which is reportedly demolished in the 1970s. A pond is visible near the farmstead in the southwestern portion.	Aerial photographs Topographic maps Interviews
1992 1998	The farmstead in the eastern portion on the Donaldson property (parcel 28-2) now consists of only one small agricultural structure. A transmission line is present in the northern portion, situated in a primarily east-west direction	Aerial photographs
2004	A transmission line is present in the southeastern portion, situated in a northeast-southwest direction.	Aerial photographs
2006 2008 2010 2012-2014 2016 2018-2021 2023	No structures remain in the area where the farmstead in the east was present (parcel 28-2). According to the landowner, the farmstead on the Russell property (parcel 054-015-000) has been abandoned since at least 2018.	Aerial photographs Topographic maps Interviews Previous environmental reports
2024	The farmstead is reportedly abandoned. The area remains primarily in agricultural use.	Site reconnaissance Interviews

5.3 Surrounding Area Historical Summary

Based upon review of the available historical sources, a chronological summary of historical data for the surrounding area is included below.

DATES	SURROUNDING PROPERTY DESCRIPTION/USE	SOURCES(S)
1907 1909	Sparse structures are scattered throughout the area. Corinth Church Road/Donaldson Road/U.S. 41A/Stanhope Road travels between parcels in a northwest-southeastern direction. Russell Farms Road leads from Corinth Church Road to the farmstead in the southwestern portion. Hoket Nebo Road travels along the northern portion in an east-west direction.	Topographic maps
1942 1952	The area is primarily agricultural with sparse wooded areas to the north of the central portion, and multiple farmsteads scattered throughout the area.	Aerial photographs
1954	Corinth Church and a related cemetery are depicted west of Corinth Church Road/Donaldson Road/U.S. 41A/Stanhope Road, north of the central portion. Multiple small ponds are scattered throughout the area.	Topographic maps
1964 1971 1983	A well is drilled and plugged (55812) approximately 80 feet northwest of the northern portion in 1964. No visible features are present in the subsequent aerial images.	Regulatory Agency Records
1998 2004 2006 2008 2010 2012-2014 2016 2018-2021 2023	The facility containing the entrance to an underground mine is present to the east of the northern portion is visible, and consists of a pond, multiple structures, storage areas, and a paved lot, all accessed by a driveway leading to KY-120.	Aerial photographs Topographic maps
2024	The area remains primarily agricultural with scattered farmsteads throughout.	Site reconnaissance

5.4 Prior Environmental Reports

ECT was provided with the following prior environmental report, which is summarized below.

Document Name:	Phase I ESA of Weirs Creek
Prepared By:	ECT
Date:	June 2, 2023
Provided By:	User
Comments:	The ASTM E2247-16 Phase I ESA was prepared for Weirs Creek Solar, LLC, and the Subject Property boundary consisted of a larger project area (2,260 acers). A majority of the current Subject Property boundary was located in the northern portion of the prior Subject Property boundary. RECs were identified regarding coal mining activity, oil and gas exploration, and a farm dump. Neither the oil/gas wells nor the farm dump are located within the current Subject Property boundary. As such, the oil/gas exploration and farm dump are not considered RECs associated with the current Subject Property boundary. The mining activity is discussed further in Section 7.3.

Information obtained from the above prior environmental report may have been used for guidance of the site reconnaissance portion of this Phase I ESA; however, the report was not relied upon without the completion of a new site reconnaissance.

Copies of the prior environmental reports are included in the appendices (**User Provided Information**).

6.0 Regulatory Database Review

6.1 Database Finding Summary

ECT contracted Environmental Risk Information Services (ERIS) to conduct a search of publicly available information from federal, state, tribal, and local environmental record sources in accordance with ASTM E2247-16. Data gathered during the regulatory database search is compiled by ERIS into a government records report (i.e., database report). This government records report, dated February 9, 2024, was reviewed by ECT on March 12, 2024.

The standard databases researched in accordance with ASTM E2247-16 requirements are listed below.

Standard Environmental Record Sources (where available)	Approximate Minimum Search Distance (miles)
Federal Sources	
NPL list	1.0
Delisted NPL list	0.50
CERCLIS list	0.50
CERCLIS-No Further Remedial Action Planned (NFRAP) list	0.50
RCRA Corrective Action (CORRACTS) facilities list	1.0
RCRA non-CORRACTS TSD facilities list	0.50
RCRA generators list	SP and Adjoining
Federal institutional control/engineering control registries	SP
Federal Emergency Response Notification System (ERNS) list	SP
State Sources	
State- and tribal-equivalent NPL	1.0
State- and tribal-equivalent CERCLIS	0.50
State and tribal landfill and/or solid waste disposal site lists	0.50
State and tribal leaking storage tank lists	0.50
State and tribal registered storage tank lists	SP and Adjoining
State and tribal institutional control/engineering control registries	SP
State and tribal voluntary cleanup sites	0.50
State and tribal Brownfield sites	0.50
SP = Subject Property *Italicized* = State and tribal lists of hazardous waste sites identified for investigation or remediation	

The database report, which includes a search of standard and additional record sources, identified the following listings for the Subject Property and/or surrounding area.

For full details pertaining to the databases searched, refer to the database report included in the appendices (**Regulatory Database Report**).

Regulatory Report Summary

Database	Search Radius	Target Property	Within 0.12mi	0.12mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
FINDS/FRS	0.02	2	-	-	-	-	2
ICIS	0.02	1	-	-	-	-	1
MINE	1.0	3	1	0	1	4	9
RCRA NON GEN	0.25	0	0	1	-	-	1
SFM AST PERMIT	0.25	0	0	1	-	-	1
SMCRA	1.0	0	0	0	0	24	24
SPILLS	0.125	1	0	-	-	-	1

6.2 Subject Property Listings

The Subject Property was listed on the following regulatory databases.

Subject Property Summary

Database	Site Name	Address	Dist. (mi) / Dir.	Elev. diff. (ft)	Comments
MINE, ICIS	WEBSTER COUNTY COAL LLC	KY	0.00/SE	0.0	See below
FINDS/FRS	NEBO-PROVIDENCE POLE REPLACEMENT PROJECT	NEBO (HOPKINS)	0.00/SE	-9.0	See below
FINDS/FRS, SPILLS	WC Weldon Estate (AI ID: 49152)	PROVIDENCE (WEBSTER)	0.00/NE	22.0	See below

Webster County Coal LLC (northern portion): A listing is present for this location in the Integrated Compliance Information System (ICIS) in regard to the National Pollutant Discharge Elimination System (NPDES). No spills or incidents are listed regarding this location. Refer to Section 7.3 for additional discussion regarding onsite and adjoining mining.

Nebo-Providence Pole Replacement Project (southwestern portion): A listing is present for this location in the Facility Registry Service/Facility Index (FINDS/FRS), in regard to the Integrated Compliance Information System (ICIS) - NPDES. As there are no spills or incidents listed for this location, it is the EP's opinion that this finding goes not represent a REC to the Subject Property.

WC Weldon Estate (northeastern portion): A listing is present in the FINDS/FRS regarding information present in the Kentucky Tools for Environmental Management and Protection Organizations (KY-TEMPO) program, which is Kentucky's central repository for facility data and includes permits, surveillance, enforcement, and remediation information. This may be in relation to the second listing, which is in the SPILLS database. An incident was discovered in 2004, where open dumping was noted at the historical farmstead in the northeastern portion, which included a "couch, seat from a car, cardboard boxes, dog food bags, tires, old barrels, old toolbox, metal tubs...". This incident is listed as "Env. Closed-Managed/Restored". The farmstead is no longer present. Due to the closed status, the nature of the items and their subsequent removal, and the re-development of this area as agricultural land, it is the EP's opinion that these findings do not represent a REC to the Subject Property.

6.3 Surrounding Properties

Each surrounding property listing identified within the searched radius of the Subject Property was evaluated using the EP's judgment to determine its potential impact to the Subject Property. The distance of the listing from the Subject Property was included in ECT's evaluation, as well as the listing details, the regional topography, and the estimated groundwater flow. Based on ECT's evaluation, surrounding properties of potential environmental significance in relation to the Subject Property have been identified in the table below.

Surrounding Properties Summary

Database	Site Name	Address	Dist. (mi) / Dir.	Elev. diff. (ft)	Comments
MINE	WEBSTER COUNTY COAL LLC	KY	0.01/NNW	6.0	See below
RCRA NON GEN, SFM AST PERMIT	UNIVERSITY OF KENTUCKY - SUPPLY CENTER/ WEBSTER COUNTY COAL CO	2668 STATE ROUTE 120 E, PROVIDENCE	0.16/NNW	18.0	See below

Webster County Coal LLC: Refer to Section 7.3 for additional discussion regarding onsite and adjoining mining.

University of Kentucky Supply Center/Webster County Coal Co: This site is listed as a RCRA Non-Generator for formerly being a RCRA LQG between 2021-2022 for ignitable waste. No violations have been reported. An additional listing is present within the State Fire Marshal Aboveground Storage Tank Permits (SFM AST PERMIT) database regarding a private use above ground storage tank of an unknown size with unknown contents. No LUST or spills are listed regarding this listing. It appears that this is the location of an access point to the surrounding underground mining operation. Refer to Section 7.3 for additional discussion regarding onsite and adjoining mining.

6.4 Unmappable Properties

ERIS also provides an unmappable (or "orphan") summary list which identifies properties that cannot be mapped due to poor or inadequate address information. No orphan (i.e. unmappable) sites were identified by ERIS.

7.0 Regulatory Agency Records Review

7.1 State Environmental Agency

Information on the mining activity was viewed from the KY EEC Division of Mining Permit's (DMP) online KY Surface Mining Viewer, and was obtained from the prior report. Additional discussion regarding the mining information is discussed in Section 7.3.

Copies of pertinent regulatory agency records are included in the appendices (**Regulatory Agency Documentation**).

7.2 Oil and Gas Pipelines/Wells

ECT reviewed the NPMS to evaluate if pipelines are located at the Subject Property. No pipelines are located on or within close proximity of the Subject Property.

Additionally, ECT reviewed oil and gas geospatial data from the KGS on March 12, 2024. No wells were present on the Subject Property.

A plugged and dry well (API 55812) was drilled and plugged between January 16 and February 10, 1964, approximately 80 feet northwest of the northern Subject Property boundary. No visible features are present in the subsequent aerial images. Given the time elapsed (60 years) since the well was drilled and considering it was not a producer of oil/gas, it is unlikely for any remnants of a historical disposal pit to impact the Subject Property. Based on the off-site location, the plugged and dry well is not considered a REC to the Subject Property.

7.3 Mining and Mineral Exploration

According to the KY EEC, Division of Mining Permit's (DMP) online KY Surface Mining Viewer, inactive mined out areas and permitted mine boundaries for both surface and underground mines were identified on the majority of the Subject Property and the surrounding area. A list of permitted mine boundaries present on the Subject Property was retrieved from publicly available data provided by the State of Kentucky. A total of three coal mine permits are located on or within the Subject Property. All three mines are listed as active. Active mines refer to mines with a valid permit only and does not mean that the mine is actively producing coal. The maps available through the KY EEC's KY Mine Mapping Information System do not depict any active mines on the Subject Property.

The mine permits identified on the Subject Property were searched on the Surface Mining Information System (SMIS) website. The active mine permit 917-5013 has a temporary cessation status as of 2000. Active temporary cessation status means the mine is not actively producing and infrastructure has been disassembled; however, reclamation has not been achieved. The active mine permits 917-5015 and 917-5023 are active with a status of reclamation only as of 2000 and 2010, respectively, indicating they are in the process of being reclaimed. All three permit numbers are associated with the Dotiki Mine, an extensive underground coal mine.

According to the DMP, permit numbers 917-5013, 917-5015, and 917-5023 are all underground mines associated with the Dotiki Mine and have not been reclaimed. The horizontal extents of the mine permits are depicted on **Figures 2 and 3**.

Given that underground mines extend beneath and throughout the Subject Property, there is a concern for subsidence should an underground collapse occur. In addition to subsidence concerns, potential issues with mining include the use of fill material of unknown origin, the use of heavy equipment with possible spills of oils and/or fluids over time, abandoned mine drainage, and methane gas buildup in underground mines. Since reclamation has not been achieved for three mine permits present on the Subject Property and two mine permits are still active, necessary regulatory standards have not been reached.

Based on the extensive underground coal mining on the Subject Property and the surrounding area and that mine permits present on the Subject Property have not been reclaimed, it is the opinion of the EP that this is considered a REC.

7.4 Land Application

ECT reviewed the ERIS database listings and the landowner interviews to determine if any biosolid application has occurred on the Subject Property. There are no indications that biosolids have been applied to the Subject Property.

8.0 Interviews

8.1 Past and Present Owners

According to the county, the Subject Property is owned by four landowners. ECT was provided with contact information for two of these owners, and made attempts to contact each of them via phone between March 22 and 25, 2024. ECT was able to reach two of four of the landowners, representing approximately 90% of the total acreage and 50% of the total owners.

The landowner responses of the Russell Family Trust and Donaldson Farms have been summarized in the table below.

QUESTIONS	Donaldson Farms Inc.
How long have you owned and/or been affiliated with the property?	Donaldson: At least 50-60 years Russell: Since 1954
What are the current uses of the property?	Both: Agricultural crops
What are the past uses of the property?	Both: Agricultural crops and a farmstead
What is the approximate age (or construction date) and size / square footage of current structure(s)?	Donaldson: Farmstead including a house and agricultural structures present from the 1880s-1970s, which was demolished Russell: Farmstead including a house and agricultural structures dating back to 1982
If vacant or undeveloped, do you know of any prior improvements?	Both: Terraced agricultural fields
Are you aware of any current or previous well(s) and/or septic system(s)?	Both: Well and septic system at the farmsteads
Do any utilities currently service the property?	Donaldson: None Russell: Electricity
Are you aware of any area of storage, used, generation or disposal of automotive, industrial, or agricultural chemicals, batteries, solvents, petroleum products, pesticides or related regulated chemicals?	Donaldson: Organic pesticides Russell: AST (See below)
Are you aware of any underground or aboveground storage tanks for any chemicals or petroleum products currently or historically located on the property?	Donaldson: None Russell: Two propane ASTs, and one 250-500 gallon AST at the farmstead
Has the property been used as a waste landfill, dump, or disposal site?	Both: No
Are you aware of any fill material that has been placed on the property?	Both: No
Are you aware of any current or former oil or gas wells, or associated tanks / pipelines on the property?	Both: No
Are you aware of any current or former (i.e., filled) pits, ponds, or lagoons located on the property?	Both: No
Are you aware of any past cattle dipping vats on the property?	Both: No

QUESTIONS	Donaldson Farms Inc.
Are you aware of any petroleum or hazardous waste discharges or releases to the environment, or contamination impacts to the property's soil, groundwater, or surface waters?	Both: No
Are you aware of any leases or easements on the property?	Both: Farming lease
Are you aware of any pending, threatened, or past environmental litigation, proceedings, or notices of possible violations of environmental laws or liability, or potential environmental concerns in connection with the property?	Both: No
Are you aware of any past environmental assessment report(s) prepared for the property?	Both: No

Additional landowner interview notes and completed questionnaires are included in the appendices (**Owner Interview Documentation**).

8.2 State and/or Local Government Officials

In addition to regulatory records requested from the KY EEC, the following state and/or local government officials were interviewed as part of this assessment:

Agency:	Hopkins County Health Department
Contact Name:	Mr. John Montgomery
Title:	Not specified
Method:	E-mail inquiries on February 12 and 20, 2024
Comments:	ECT requested documentation (if any) on file pertaining to wells, septic systems, storage tanks, releases, landfills or dumping of materials, remediation sites, migrating contamination, and/or any other environmental sensitive records. Mr. Montgomery responded on February 20, 2024, and reported that the department does not have any requests or information on the Subject Property area.

Agency:	Webster County Health Department
Contact Name:	Mr. Brandon Chandler
Title:	Not specified
Method:	E-mail inquiries on February 12 and 20, 2024
Comments:	ECT requested documentation (if any) on file pertaining to wells, septic systems, storage tanks, releases, landfills or dumping of materials, remediation sites, migrating contamination, and/or any other environmental sensitive records. Mr. Chandler responded on February 21, 2024, and reported that there are no records of concern known about the Subject Property area.

Agency:	Providence City Fire Department
Contact Name:	Mr. Steve Burns and Ms. Tiffany Conrad
Title:	Fire chief and not specified
Method:	E-mail inquiries on February 12, 20, and 29, 2024
Comments:	ECT requested documentation (if any) on file pertaining to fires, storage tanks, releases, landfills or dumping of materials, remediation sites, migrating contamination, and/or any other environmentally sensitive records. No response has been received as of the date of this report.

Agency:	Nebo Fire & Rescue
Contact Name:	Mr. Steve Ashby
Title:	Not specified
Method:	E-mail inquiries on February 12 and 20, 2024
Comments:	ECT requested documentation (if any) on file pertaining to fires, storage tanks, releases, landfills or dumping of materials, remediation sites, migrating contamination, and/or any other environmentally sensitive records. Mr. Ashby responded on February 20, 2024, and reported that there are no records available for the Subject Property.

Copies of state and/or local government correspondence and any provided documents are included in the appendices (**State/Local Interview Documentation**).

9.0 Site Reconnaissance

RECONNAISSANCE OVERVIEW	
Site Reconnaissance Date:	February 13-16, 2024
ECT Assessor(s) Name & Title:	Ms. Katie Simon, Senior Associate Scientist
Escort & Relationship to Property:	None
Methodology:	Automobile reconnaissance via public roadways and available access roads with closer walkovers of identified areas of environmental interest unless otherwise disclosed as a limiting condition (see below; refer to Section 2.5).
Access Limitations:	Residential farmstead was not approached, refer to Section 2.5
SUBJECT PROPERTY CONDITIONS	
Weather:	Sunny to snowy, 30-60°F
General Topography:	Generally flat to rolling
Current Use:	Agricultural, residential
Areas of Environmental Interest:	AST, abandoned farmstead, pipeline easement, mining operation to the east
Roads and Corridors:	Corinth Church Road/Donaldson Road/U.S. 41A/Stanhope Road travels between parcels in a northwest-southeastern direction. Russell Farms Road leads from Corinth Church Road to the farmstead in the southwestern portion. Hoket Nebo Road travels along the northern portion in an east-west direction.
Other Transportation Corridors:	None

In accordance with ASTM E2247-16, the EP conducted a review of aerial photographs, regulatory records, and information obtained from interviews prior to the completion of the reconnaissance. Based on the EP's review of these data sources, areas of environmental interest (if any) were identified and discussed with field personnel prior to the reconnaissance. The EP was in contact with field personnel, who transmitted photographs, video recordings, and/or live video feed, during the reconnaissance, and provided further guidance as necessary.

In assessing *forestland* or *rural property*, it is not expected that the interior of all structures on the property will be accessed, unless the structure has been identified as an *area of environmental interest*. Site reconnaissance of isolated areas of the property that include activities outside the definition of *forestland* or *rural property* as defined in E2247-16 should be addressed using methodologies, such as those provided in E1527-21, or documented in Section 2.5 as a limitation.

9.1 Subject Property Reconnaissance Summary

Field observations, as noted in the table below, are included on **Figure 2**. Photographs taken during the reconnaissance are provided in the appendices (**Photographic Documentation**).

OBSERVATION	YES	NO
Hazardous Substances and/or Petroleum Products in Connection with Property Use	☐	✔
Hazardous Substances and/or Petroleum Products not in Connection with Property Use	☐	✔
Aboveground Storage Tanks (ASTs)	✔	☐
Underground Storage Tanks (USTs), vent pipes, fill pipes, or access ways indicating USTs may be present	☐	✔
Unidentified Substance Containers	☐	✔
Strong, Pungent, or Noxious Odors	☐	✔
Drains, Sumps, Clarifiers, or Pools of Liquid	☐	✔
Electrical or Hydraulic Equipment Likely to Contain Fluids	✔	☐
Stained Soil or Pavement	☐	✔
Pits, Ponds, Ditches, Streams, or Lagoons	✔	☐
Stained or Stressed Vegetation	☐	✔
Solid Waste Disposal	☐	✔
Evidence of Fill Materials or Dumping of Debris	☐	✔
Wastewater or Storm Water Discharges	☐	✔
Wells	✔	☐
Septic Systems	✔	☐
Other	✔	☐

9.2 Aboveground Storage Tanks

Two propane tanks were present at the abandoned farmstead in the western portion. In the event of a release, compressed gases such as propane disperse to the ambient air.

Although not observed, ECT is aware that a 250-gallon AST formerly used to store gasoline was reported by the landowner (Mr. Russell) to be present at the abandoned farmstead location (parcel 054-015-000). The landowner reported that this AST was empty. No evidence of past releases, such as staining or stressed vegetation, was observed in the vicinity of the abandoned farmstead.

Due to the nature of these findings, it is the EP's opinion that the ASTs do not represent a REC to the Subject Property.

9.3 Electrical or Hydraulic Equipment Likely to Contain Fluids

In the United States, PCBs were commercially manufactured from 1929 until production was banned in 1979 by the Toxic Substances Control Act (TSCA). Due to their non-flammability, chemical stability, high boiling point and electrical insulating properties, PCBs were used in hundreds of industrial and commercial applications, such as electrical, heat transfer, and hydraulic equipment, such as transformers, elevators, and hydraulic lifts.

At the time of the reconnaissance, a pole-mounted transformer was observed on the Subject Property near the abandoned farmstead on the Russell property (parcel 054-015-000). Additionally, numerous pole-mounted transformers were observed along public roadways. No labels were visible on the transformers to indicate their PCB status; however, they appeared to be in good condition with no evidence of leaks.

9.4 Pits, Ponds, Ditches, Streams, or Lagoons

One pond and multiple drainage ditches are present throughout the Subject Property. No petroleum products, hazardous substances, sheens, or other evidence of environmental impact were observed at the pond and ditches.

9.5 Wells

ECT is aware that water wells were present at the historical farmstead on the Donaldson property (parcel 28-2) and at the abandoned farmstead on the Russell Property (parcel 054-015-000). No environmental concerns are noted associated with the water wells.

9.6 Septic Systems

ECT is aware that the abandoned farmstead on the Russell Property (parcel 054-015-000) is connected to a septic system, and that a septic system was removed from the Donaldson property (parcel 28-2) in the 1970s. Although septic systems can be a recipient to a variety of materials depending on their use, the residential use of such systems is not considered to be of environmental concern.

9.7 Other Field Observations

The abandoned farmstead present in the southwestern portion on the Russell Property (parcel 054-015-000) has been unoccupied for approximately six years. A pile of metal debris was present near one of the structures at this farmstead. Due to the nature of the material within the debris pile, it does not represent a REC to the Subject Property.

A mining operation is present to the east of the northern portion. Refer to Section 7.3 for additional discussion.

10.0 Non-Scope Considerations

No non-scope considerations as defined in Appendix X5 of ASTM E2247-16 were included as part of this assessment.

11.0 References

REFERENCED ITEM OR AGENCY	PUBLICATION OR INQUIRY DATE(S)	SOURCE
Aerial Photographs	1942, 1954, 1971, 1983, 1998, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020, 2021	ERIS
	1998, 2004, 2006, 2008. 2010, 2013, 2016, 2019, 2020, 2023	Google Earth™
Depth to Groundwater Information	March 12, 2024	USGS-NWIS
Environmental Lien/AUL Search	Not Provided	Not Provided
Fire Department(s)	February 12 and 20, 2024	Providence City Fire Departments
Geology Information	March 12, 2024	Nebo Fire Department
Health Department(s)	February 12 and 20, 2024	Webster County Health Department
		Hopkins County Health Department
Mining Information	March 12, 2024	Kentucky Mine Mapping Information System
Oil and Gas Authority	March 12, 2024	KGS
Owner(s), Key Site Manager(s), and/ or Occupant Interviews	March 22 and 25, 2024	Various landowners; refer to Section 8.1
Physiographic Information	March 12, 2024	EPA
Pipeline Information	March 12, 2024	NPMS
Prior Environmental Report(s)	June 2, 2023	Phase I ESA, ECT
Regulatory Database Report	February 9, 2024	ERIS
Soils Information	March 12, 2024	USDA-NRCS
Standard Practice	2016	ASTM Standard E2247-16, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property*
Topographic Maps	1907, 1909, 1954, 2013, 2016, 2019	ERIS
Topographic Map (current)	2019	USGS (*Nebo, Kentucky*)
User Interview	Not Provided	Not Provided

Glossary – ASTM Standard E2247-16

The below definitions have been selected for inclusion in this glossary to remove unnecessary length of the report text, and to provide a quick point of reference for the most commonly used terms. This list is not exhaustive and should not be interpreted as a replacement for ASTM E2247-16. For a full list of definitions and references, please refer to ASTM E2247-16: Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property.

Term	**Definition**
activity and use limitations (AULs)	Legal or physicalrestrictions or limitations on the use of, or access to, a site or facility: *(1)* to reduce or eliminate potential exposure to *hazardous substances* or *petroleum products* in the soil, soil vapor, ground water, or surface water on the *property*, or *(2)* to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the *environment*. These legal or physical restrictions, which may include *institutional* and/or *engineering controls*, are intended to pre- vent adverse impacts to individuals or populations that may beexposed to *hazardous substances* and *petroleum products* in the soil, soil vapor, ground water, or surface water on the *property*.
all appropriate inquiries	That inquiry constituting "*all appropriate inquiries* into the previous ownership and usesof the *property* consistent with good commercial or customarypractice" as defined in CERCLA, 42 U.S.C. §9601(35)(B), thatwill qualify a party to a *forestland* or *rural property* transactionfor one of the threshold criteria for satisfying the *LLPs* to CERCLA liability [42 U.S.C. §9601(A) and (B), §9607(b)(3), §9607(q); and §9607(r)], assuming compliance with other elements of the defense. See Appendix X1.
area(s) of environmental interest	An area or areas of the *property* with indications of activity that could have resulted in the presence of a recognized environmental condition, especially areas where *hazardous substances* or *petroleum products* may be used, handled, managed or stored or may have been used, handled, managed or stored in the past.

Term	Definition
bona fide prospective purchaser liability protection	[42 U.S.C. §9607(r)]. A person may qualify as a bona fide prospective purchaser if, among other requirements, such person made "*all appropriate inquiries* into the previous ownership and uses of the facility in accordance with generallyaccepted good commercial and customary standards and practices." Knowledge of contamination resulting from *all appropriate inquiries* would not generally preclude this liability protection. A person must make *all appropriate inquiries* on orbefore the date of purchase. The facility must have been purchased after January 11, 2002. See Appendix X1 for the other necessary requirements that are beyond the scope of this Practice.
Brownfields Amendments	Amendments to CERCLApursuant to the Small Business Liability Relief and Brown- fields Revitalization Act, Pub. L. No. 107-118 (2002), 42 U.S.C. §§9601 *et seq*.
business environmental risk	A risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of *commercial real estate* related to those environ-mental issues required to be investigated in this practice. Consideration of *business environmental risk* issues may in- volve addressing one or more non-scope considerations, some of which are identified in Section 13.
contiguous property owner liability protection	[42U.S.C. §9607(q)]. A person may qualify for the *contiguous property owner liability protection* if, among other requirements, such person owns real *property* that is contiguous to, and that is or may be contaminated by *hazardoussubstances* from other real *property* that is not owned by that person. Furthermore, such person conducted *all appropriate inquiries* at the time of acquisition of the *property* and did not know or have reason to know that the *property* was or could be contaminated by a *release* or threatened *release* from the contiguous *property*. The *all appropriate inquiries* must not result in knowledge of contamination. If it does, then such person did "know" or "had reason to know" of contamination and would not be eligible for the *contiguous property owner liability protection*. See Appendix X1 for the other necessary requirements that are beyond the scope of this Practice.
controlled recognized environmental condition	A recognized environmental condition resulting from a past *release* of *hazardous substances* or *petroleum products* that hasbeen addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with *hazardous substances* or *petroleum products* allowed to remain in place subject to the implementation of required controls (for example, *property* use restrictions, activity and use limitations, *institutional*

Term	Definition
	controls, or *engineering controls*)[1]. A condition considered by the *environmental professional* to be a *controlled recognized environmental condition* shall be listed in the findings section of the *Phase I Environmental Site Assessment report*, and as a recognized environmental condition in the conclusions section of the *Phase I Environmental Site Assessment report*.
data failure	A failure to achieve the historical research objectives in 8.3.1 through 8.3.2.2 even after reviewingthe *standard historical sources* in 8.3.4 that are *reasonably ascertainable* and likely to be useful. *Data failure* is one type of *data gap*. See 8.3.2.3.
data gap	A lack of or inability to obtain information required by this practice despite *good faith* efforts by the *environmental professional* to gather such information. *Data gaps* may result from incompleteness in any of the activities required by this practice, including, but not limited to *site reconnaissance* (for example, an inability to conduct the *site visit*), and *interviews* (for example, an inability to interview the*key site manager*, regulatory officials, and so forth). See 12.7.
de minimis condition	A *release* that generally does not present a threat to human health or the *environment* and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis conditions* are not *recognized environmental conditions* or *controlled recognized environmental conditions*.
environmental lien	A charge, security, or encumbrance upon title to a *property* to secure the payment of a cost,damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of *hazardous substances* or *petroleum products* upon a *property*, including, but not limited to, liens imposed pursuant to CERCLA 42 U.S.C. §§9607(1) and 9607(r) and similar state or local laws.
environmental site assessment (ESA)	The process by which a person or entity seeks to determine if a particular parcel of real *property* (including improvements) is subject to *recognized environmental conditions*. At the option of the *user*, an *environmental site assessment* may include more inquiry than that constituting *all appropriate inquiries* or, if the *user* is not concerned about qualifying for the *LLPs*, less inquiry than that constituting *all appropriate inquiries* (see Appendix X1).

[1] A condition identified as a controlled recognized environmental condition does not imply that the environmental professional has evaluated or confirmed the adequacy, implementation, or continued effectiveness of the required control that has been, or is intended to be, implemented.

Term	Definition
forestland	*Property* that is either unmanaged *land* or managed *land* where forest management principles are applied to the regeneration, utilization, productivity, and conservation of forests to meet specific goals. Both managed and unmanaged *forestland* may have roads and limited areas of development.
hazardous substance	A substance defined as a *hazardous substance* pursuant to CERCLA 42 U.S.C. §9601(14), as interpreted by EPA regulations and the courts: "(A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title, (C) any *hazardous waste* having the characteristics identified under or listed pursuant to section 3001 of the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, (42 U.S.C. §6921) (but not including any waste the regulation of which under RCRA (42 U.S.C. §6901 *et seq*.) has been suspended by Act of Congress), (D) any toxic pollutant listed under section 1317(a) of Title 33, (E) any hazardous air pollutant listed under section 112 of the Clean Air Act (42 U.S.C. §7412), and (F) any imminently hazardous chemical substance or mixture with respect to which the Administrator (of EPA) has taken action pursuant to section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a *hazardous substance* under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas)" See Appendix X1.
hazardous waste	Any *hazardous waste* having the characteristics identified under or listed pursuant to section 3001 of RCRA, as amended, (42 U.S.C. §6921) (but not including any waste the regulation of which under RCRA (42 U.S.C. §6901 *et seq*.) has been suspended by Act of Congress). RCRA is sometimes also identified as the Solid Waste Disposal Act. RCRA defines a *hazardous waste*, at 42 U.S.C. §6903, as:"A solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to, an increase in mortality or an increase in seriousirreversible, or incapacitating reversible, illness; or (B) pose a substantial present or potential hazard to human health or the *environment* when improperly treated, stored, transported, or disposed of, or otherwise managed."

Term	Definition
historical recognized environmental condition	A past *release* of any *hazardous substances* or *petroleum products* that has occurred in connection with the *property* and has been addressed to the satisfaction of the applicable regulatory authority or meets unrestricted residential use criteria established by a regulatory authority, without subjecting the *property* to any required controls (for example, *property* use restrictions, activity and use limitations, *institutional controls*, or *engineering controls*). Before calling the past *release* a*historical recognized environmental condition*, the *environ-mental professional* must determine whether the past *release* isa recognized environmental condition at the time the *Phase I Environmental Site Assessment* is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past *release* to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the *report* as a recognized environmental condition.
innocent landowner [42 U.S.C. §§ 9601(35) & 9607(b)(3)]	[42 U.S.C. §§9601(35)& 9607(b)(3)]. A person may qualify as one of three types of innocent landowners: (i) a person who "did not know and had no reason to know" that contamination existed on the *property*at the time the purchaser acquired the *property*; (ii) a government entity which acquired the *property* by escheat, or through any other involuntary transfer or acquisition, or through the exercise of eminent domain authority by purchase or condemnation; and (iii) a person who "acquired the facility by inheritance or bequest." To qualify for the *innocent landowner defense*, such person must have made *all appropriate inquiries*on or before the date of purchase. Furthermore, the *all appropriate inquiries* must not have resulted in knowledge of the contamination. If it does, then such person did "know" or "had reason to know" of contamination and would not beeligible for the *innocent landowner defense*. See Appendix X1 for the other necessary requirements that are beyond the scopeof this practice.
institutional controls (IC)	A legal or administrative restriction (for example, "deed restrictions", restrictive covenants, easements, or zoning) on the use of, or access to, a site or facility to *(1)* reduce or eliminate potential exposure to *hazardous substances* or *petroleum products* in the soil orground water on the *property*, or *(2)* to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the *environment*. An institutional control is a type of *Activity and Use Limitation* (AUL).
Landowner Liability Protections (LLPs)	*Landowner liability protections* under CERCLA; these protections include the *bona fide prospective purchaser liability protection*, *contiguous property owner liability protection*, and *innocent land-owner defense* from CERCLA liability. See 42 U.S.C. §9601(35)(A), 9601(40), 9607(b), 9607(q), 9607(r).

Term	Definition
lessee	Individual or entity which does not own the *property* but has a written lease or other agreement to use the *property*.
material threat	A physically observable or *obvious* threat which is reasonably likely to lead to a *release* that, in the opinion of the *environmental professional*, is threatening and might result in impact to public health or the *environment*. An example might include an aboveground storage tank system that contains a *hazardous substance* and which shows evidence of damage. The damage would represent a *material threat* if it is deemed serious enough that it may cause or contribute to tank integrity failure with a *release* of contents to the *environment*.
petroleum products	Those substances included within the meaning of the *petroleum exclusion* to CERCLA, 42 U.S.C. §9601(14), as interpreted by the courts and EPA, that is:petroleum, including crude oil or any fraction thereof, which isnot otherwise specifically listed or designated as a *hazardous substance* under Subparagraphs (A) through (F) of 42 U.S.C. §9601(14), natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas). The word fraction refers to certaindistillates of crude oil, including gasoline, kerosene, diesel oil, jet fuels, and fuel oil, pursuant to *Standard Definitions of Petroleum Statistics*.[2]
pits, ponds, or lagoons	Man-made or natural de- pressions in a ground surface that are likely to hold liquids or sludge containing *hazardous substances* or *petroleum products*. The likelihood of such liquids or sludge being present is determined by evidence of factors associated with the pit, pond, or lagoon, including, but not limited to, discolored water, distressed vegetation, or the presence of an *obvious wastewater* discharge.
recognized environmental conditions	The *presence* or likely presence of any *hazardous substances* or *petroleum products* in, on, or at a *property*: *(1)* due to *release* to the *environment*; *(2)* under conditions indicative of a *release* to the *environment*; or *(3)* under conditions that pose a *material threat* of a future *release* to the *environment*. *De minimis conditions* are not *recognized environmental conditions*.

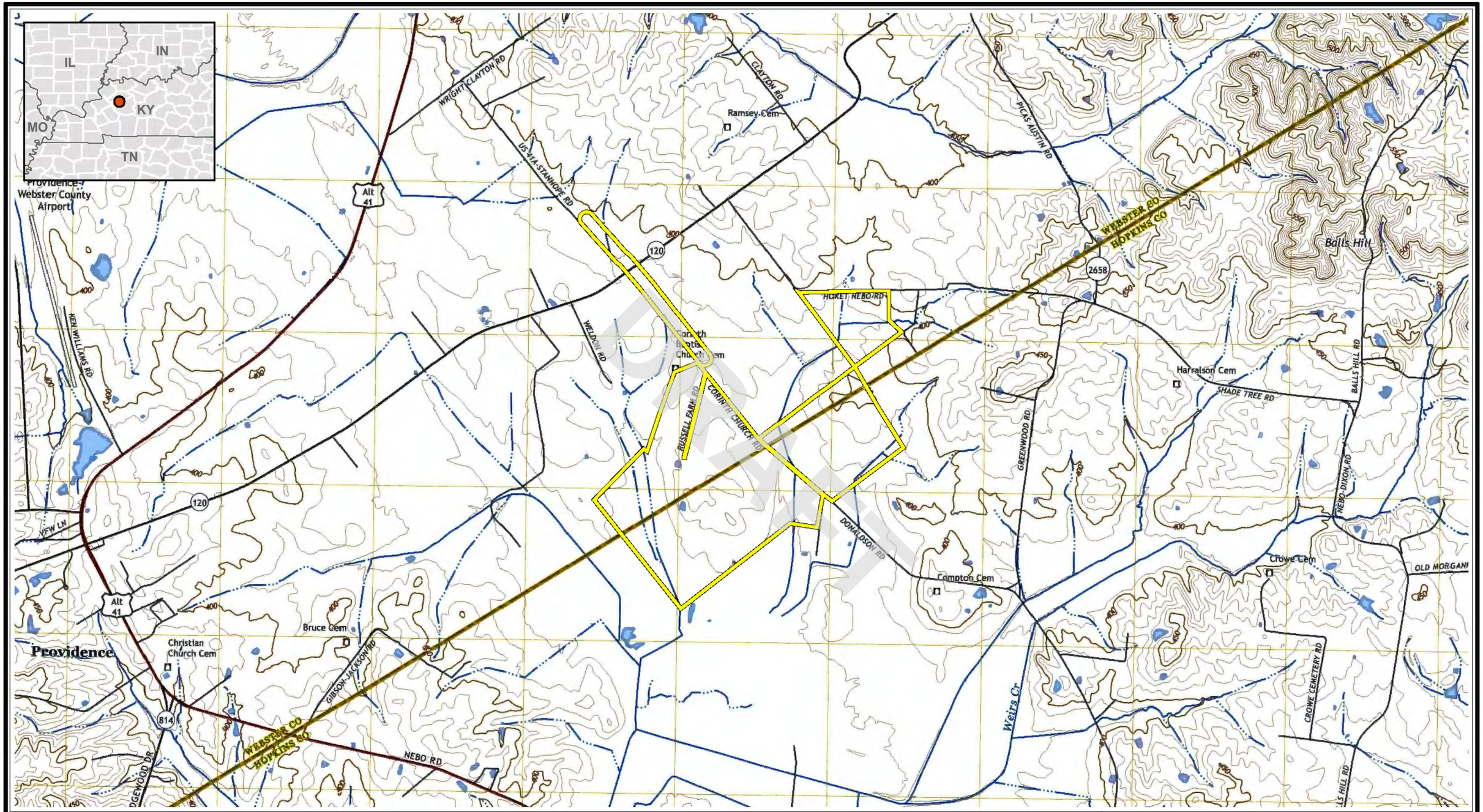
[2] *Standard Definitions of Petroleum Statistics*, American Petroleum Institute, Fifth Edition, 1995.

Term	Definition
recorded land title record	Records of historical fee ownership, leases, land contracts, AULs, easements, liens, and other encumbrances on or of the *property* recorded in the placewhere land title records are, by law or custom, recorded for thelocal jurisdiction in which the *property* is located. (Often such records are kept by a municipal or county recorder or clerk.) Such records may be obtained from title companies or directlyfrom the local government agency. Information about the title to the *property* that is recorded in a U.S. district court or any place other than where land title records are, by law or custom,recorded for the local jurisdiction in which the *property* is located, are not considered part of *recorded land title records*.
release	A *release* of any *hazardous substance* or petroleum product shall have the same meaning as the definition of "*release*" in CERCLA 42 U.S.C. § 9601(22). Foradditional background information, see Legal Appendix (Appendix X1) section X1.1.1 "Release or Threatened Release."
rural property	*Property* that has a low human population density and is undeveloped or has limited areas of development.
user	The party seeking to use this practice to complete an *environmental site assessment* of the *property*. A *user* may include, without limitation, a purchaser of *property*, a potential *occupant* of *property*, an *owner* of *property*, a lender, or a *property* manager. The *user* has specific obligations for completing a successful application of this practice as outlined in Section 6.
USGS 7.5 Minute Topographic Map	The map (if any) available from or produced by the United States Geological Survey, entitled "*USGS 7.5 Minute Topographic Map*," and showing the *property*. See 8.3.4.2.
visually and/or physically observed, v	During a *site visit* pursuant to this practice, this term means observations made by vision while walking through a *property* and thestructures located on it and observations made by the sense of smell, particularly observations of noxious or foul odors. Due to the remoteness of *forestland* and rural properties covered bythis practice, the term *visually and/or physically observed* also includes aerial photography, aerial imagery, and/or aerial flyovers that may be used in conjunction with walking throughareas identified as suspect (such as clearings/disturbed soil, mounds, trenches, structures, and so forth) to "ground-truth" the observations. The term "walking through" is not meant to imply that disabled persons who cannot physically walk may not conduct a *site visit*; they may do so by the means at their disposal for moving through the *property* and the structures located on it.

Source: American Society for Testing and Materials (ASTM) Standard E2247-16.

Appendix A

Figures



Project Boundary (± 474.99 ac.)

N

0 1,000 2,000

Feet

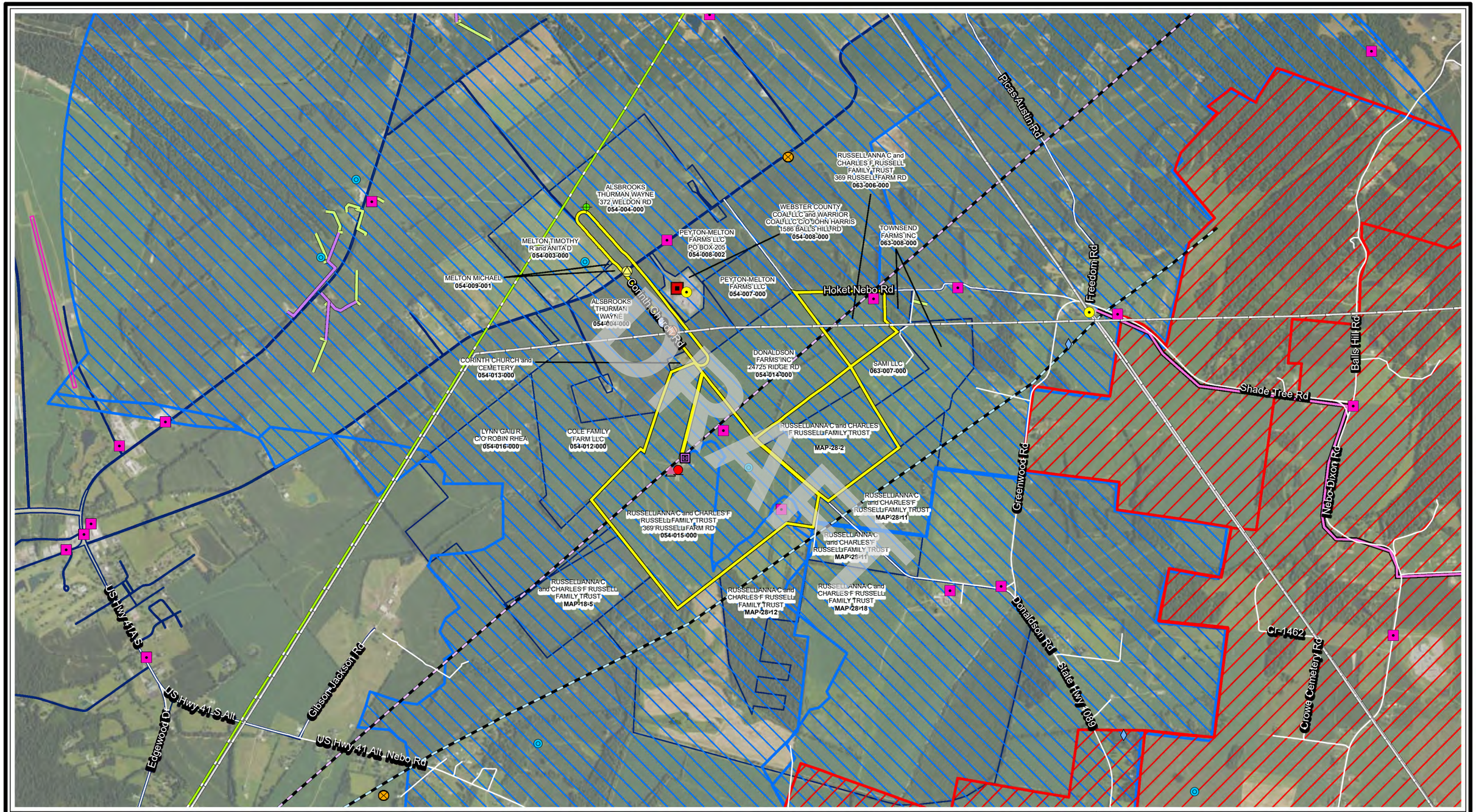
Base Layer: USGS Topographic Quad Nebo, KY 2022

Figure 1
USGS Topographic Map

Weirs Creek Solar Project
Webster and Hopkins Counties, Kentucky

Date: 3/13/2024

ECT



Project Boundary (± 474.99 ac.)
Parcel
Airport runway
Active Mine Permit
Not Reclaimed Mine Permit

Transmission Line (HIFLD)
100-161
Under 100

Natural Gas Pipeline
Pipeline

Oil & Gas Gathering Lines (KGS)
Gas Gathering
Oil Flow
Oil Gathering
Water Injection

Oil/Gas Well
Water Well
Water Spring
Mine Location
EPA Facility
Substation

Field Observation
AST(s), Propane
Debris (Metal)
Pipeline Marker
Transmission Line, Electric
Utility Vault
Abandoned Farmstand
Coal Mine Access Point

N

0 1,000 2,000
Feet

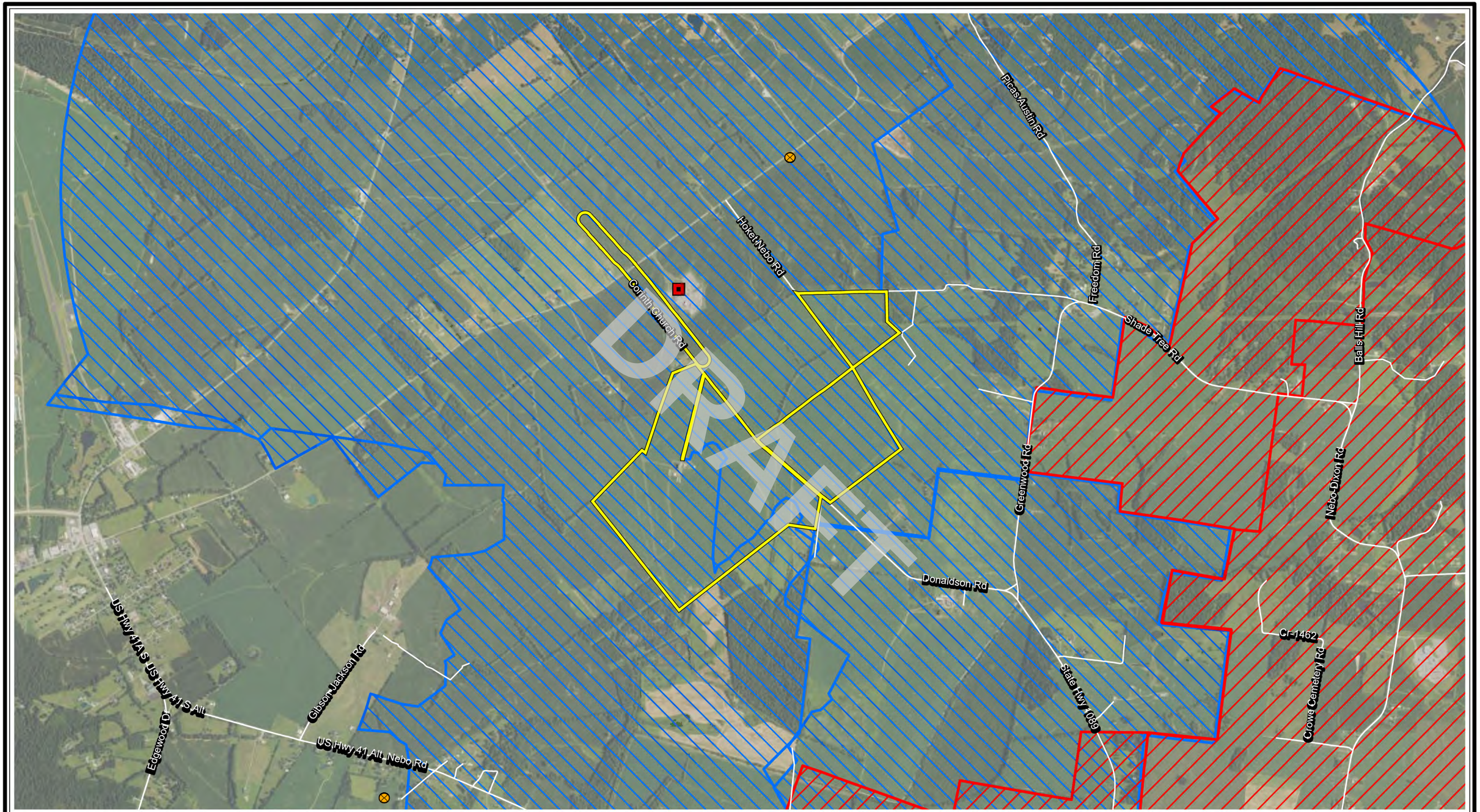
Base Layer: USDA NAIP 2021

Figure 2
Subject Property Overview

Weirs Creek Solar Project
Webster and Hopkins Counties, Kentucky

Date: 3/14/2024

ECT



Project Boundary (± 474.99 ac.)
Mine Location
Coal Mine Access Point
Active Mine Permit
Not Reclaimed Mine Permit

N

0 1,000 2,000
Feet

Base Layer: USDA NAIP 2021

Figure 3
REC Location Map

Weirs Creek Solar Project
Webster and Hopkins Counties, Kentucky

Date: 3/13/2024

ECT

Appendix B

Historical Sources

HISTORICAL AERIALS

Project Property: Weirs Creek - Additional Parcels (210252)
Webster County
Providence KY

Project No: 210252

Requested By: Environmental Consulting & Technology, Inc.

Order No: 24020600826

Date Completed: February 08,2024

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Date	Source	Scale	Comments
2021	Maxar Technologies	1" = 1450'	
2020	United States Department of Agriculture	1" = 1450'	
2018	United States Department of Agriculture	1" = 1450'	
2016	United States Department of Agriculture	1" = 1450'	
2014	United States Department of Agriculture	1" = 1450'	
2012	United States Department of Agriculture	1" = 1450'	
2010	United States Department of Agriculture	1" = 1450'	
2008	United States Department of Agriculture	1" = 1450'	
2006	United States Department of Agriculture	1" = 1450'	
2004	United States Department of Agriculture	1" = 1450'	
1998	United States Geological Survey	1" = 1450'	
1983	United States Geological Survey	1" = 1450'	
1971	Agricultural Stabilization & Conserv. Service	1" = 1450'	
1952	United States Geological Survey	1" = 1450'	
1942	Agricultural Stabilization & Conserv. Service	1" = 1450'	

Year: 2021
Source: MAXAR
Scale: 1" = 1450'
Comment:

Address: Webster County, Providence, KY
Approx Center: -87.68453264,37.41620849

Order No: 24020600826

ERIS

Year: 2020
Source: USDA
Scale: 1" = 1450'
Comment:

Address: Webster County, Providence, KY
Approx Center: -87.68453264,37.41620849

Order No: 24020600826

ERIS

Year: 2018
Source: USDA
Scale: 1" = 1450'
Comment:

Address: Webster County, Providence, KY
Approx Center: -87.68453264,37.41620849

Order No: 24020600826

ERIS

Year: 2016
Source: USDA
Scale: 1" = 1450'
Comment:

Address: Webster County, Providence, KY
Approx Center: -87.68453264,37.41620849

Order No: 24020600826

ERIS

Year: 2014
Source: USDA
Scale: 1" = 1450'
Comment:

Address: Webster County, Providence, KY
Approx Center: -87.68453264,37.41620849

Order No: 24020600826

ERIS

Year: 2012
Source: USDA
Scale: 1" = 1450'
Comment:

Address: Webster County, Providence, KY
Approx Center: -87.68453264,37.41620849

Order No: 24020600826

ERIS

Year: 2010
Source: USDA
Scale: 1" = 1450'
Comment:

Address: Webster County, Providence, KY
Approx Center: -87.68453264,37.41620849

Order No: 24020600826

ERIS

Year: 2008
Source: USDA
Scale: 1" = 1450'
Comment:

Address: Webster County, Providence, KY
Approx Center: -87.68453264,37.41620849

Order No: 24020600826

ERIS

Year: 2006
Source: USDA
Scale: 1" = 1450'
Comment:

Address: Webster County, Providence, KY
Approx Center: -87.68453264,37.41620849

Order No: 24020600826

ERIS

Year: 2004
Source: USDA
Scale: 1" = 1450'
Comment:

Address: Webster County, Providence, KY
Approx Center: -87.68453264,37.41620849

Order No: 24020600826

ERIS

Year: 1998
Source: USGS
Scale: 1" = 1450'
Comment:

Address: Webster County, Providence, KY
Approx Center: -87.68453264,37.41620849

Order No: 24020600826

ERIS

Year: 1983
Source: USGS
Scale: 1" = 1450'
Comment:

Address: Webster County, Providence, KY
Approx Center: -87.68453264,37.41620849

Order No: 24020600826

ERIS

Year: 1971
Source: ASCS
Scale: 1" = 1450'
Comment:

Address: Webster County, Providence, KY
Approx Center: -87.68453264,37.41620849

Order No: 24020600826

ERIS

Year: 1952
Source: USGS
Scale: 1" = 1450'
Comment:

Address: Webster County, Providence, KY
Approx Center: -87.68453264,37.41620849

Order No: 24020600826

ERIS

Year: 1942
Source: ASCS
Scale: 1" = 1450'
Comment:

Address: Webster County, Providence, KY
Approx Center: -87.68453264,37.41620849

Order No: 24020600826

ERIS

TOPOGRAPHIC MAPS

Project Property:	Weirs Creek - Additional Parcels (210252) Webster County Providence KY None
Project No:	210252
Requested By:	Environmental Consulting & Technology, Inc.
Order No:	24020600826
Date Completed:	February 07, 2024

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