Property Name: First National Bank of Kiowa Building
Resource Name: Same
Address: Northeast corner of Harrison Ave. and 8th Street
City: Kiowa
Lot: 1 of the original subdivided Lot 464
Range: R13E
Township: T3N
Section: Sec 23, SE4 of NW4 of NE4
Year Built: c. 1910
Significance Description: This building was the center of financial activity for a local economy made up largely of coal miners. As the coal mines brought in revenue, it was redistributed to build other businesses and establish Kiowa as a viable town in Oklahoma.
Description of Resource: This is a 1-story rectangular, concrete building. Distinguishing features include pilasters surrounding at least 2 sides. The South elevation (facade) contains 2 glazed doors and a paired fixed window right of center. The West elevation contains a door left of center and a vent left of that. Right of center between pilasters are 2 horizontal rectangular windows. There is a parapet that surrounds 3 sides: South, East, and West. The building has Modernistic style influences.

Property Name: McAlester-Edwards Coal Co. District
Resource Name: McAlester-Edwards Coal Co #3 Slope Mine
Address: 1 mile Southeast of Kiowa
City: Kiowa
Vicinity: V
Range: R13E
Township: T3N
Section: Sec 25, NE4 of SE4 of NE4
Year Built: Unknown
Significance Description: The site is an example of a non-railroad, multi-mine, independently-owned operation. It represents the role of medium-sized entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: The site contains a very large engine mount.

Property Name: Caledonia Slope Mine Site
Resource Name: Same
Address: 3 miles Southwest of Savanna
City: Savanna
Vicinity: V
Range: R13E
Township: T4N
Section: Sec 25, NE4 of SE4 of SE4
Year Built: Unknown
Significance Description: This mine site is an example of an independent, non-railroad, mining operation. The mine is one of two sites now on Army Ammunition Depot property.
Description of Resource: A dump pile, 100' long and 50' high, and

several engine mounts are all that remain on this site.

Property Name: Blanco Coal Co. District
Resource Name: Blanco Coal Co #2 Slope Mine Site
Address: S side of SH 63, 1.5 miles Southwest of Blanco
City: Blanco
Vicinity: V
Range: R14E
Township: T3N
Section: Sec 11, SE4 of SE4 of SW4
Year Built: Unknown
Significance Description: Located near an old railway,this site represents the important role that the railroad had in the development of the Oklahoma coal industry.
Description of Resource: The site contains a large shale dump, a boiler with an iron door, and two engine mount foundations.

Property Name: Blanco Coal Co. District
Resource Name: Blanco Coal Co #1 Slope Mine Site
Address: 0.5 mile South of State Highway 63 & 1.75 miles West of Indian Nations Turnpike
City: Blanco
Vicinity: V
Range: R14E
Township: T3N
Section: Sec 14, NE4 of NE4 of NE4
Year Built: Unknown
Significance Description: The site is an example of a coal mine located close to the railroad, representing the important relationship that the two industries had in the development of Oklahoma.
Description of Resource: The site contains a large shale dump and two engine mounts.

Property Name: MKT Water Tower Structure
Resource Name: Same
Address: 0.25 mile S of SH 63 & 2.5 miles E of Pittsburg
City: Blanco
Vicinity: V
Range: R14E
Township: T3N
Section: Sec 14, NW4 of NE4 of NW4
Year Built: Unknown
Significance Description: The structure is the only known example of a water tower near a coal mine. Although the railroad is gone, it once was used by steam locomotives that carried coal out of the area.
Description of Resource: This structure was a water storage facility located on the old MKT railroad, which owned, operated and transported coal along its line.

Property Name: Blanco Coal Co. District
Resource Name: Blanco Coal Co. #3 Slope Mine Site
Address: 2.3 miles southwest of Blanco on Highway 63
City: Blanco
Vicinity: V
Range: R14E
Township: T3N
Section: Sec 15, SE4 of NW4 of NE4
Year Built: Unknown
Significance Description: This is the best extant example of a slope mine in the county, having many remains associated with the mining complex.
Description of Resource: The site contains the slope mouth, portions of the tipple, a very large shale dump, an engine room, boilers, an airshaft, coal cars and other heavy machinery.

Property Name: Pittsburg-McAlester Coal Co. District
Resource Name: Pittsburg-McAlester Coal Co #4 Slope Mine
Address: 1 mile Northeast of Pittsburg
City: Pittsburg
Vicinity: V
Range: R14E
Township: T3N
Section: Sec 16, SW4 of NW4 of SE4
Year Built: Unknown
Significance Description: The site is an example of a non-railroad, multi-mine, independently-owned operation. It represents the role of medium-sized entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: The site contains the ruins of a large cinder block building, a slope entrance, three engine mounts, a tipple foundation and a shale dump.

Property Name: Pittsburg-McAlester Coal Co. District
Resource Name: Pittsburg-McAlester Coal Co. Concrete Building
Address: 1 mile Northeast of Pittsburg
City: Pittsburg
Vicinity: V
Range: R14E
Township: T3N
Section: Sec 16, SW4 of NW4 of SE4
Year Built: Unknown
Significance Description: The building is a rare example of a mine bath house, used to give miners leaving their shifts a chance to rinse coal dust from their bodies.
Description of Resource: The building is a rectangular structure that was probably used as a bath house for mine workers.

Property Name: Unidentified Slope Mine Site #42
Resource Name: Same
Address: 0.5 mile North of Pittsburg, on N side of SH 63
City: Pittsburg
Vicinity: V
Range: R14E
Township: T3N
Section: Sec 16, SW4 of SW4 of SW4
Year Built: Unknown
Significance Description: The site is an example of a "doghole" type of coal mine that was shallow, and employed (usually) under ten workers. Sharing responsibilities, doghole miners worked seasonally, using some coal themselves and selling the rest locally.
Description of Resource: The site contains mine-related machinery and a partially reclaimed slope mine.

Property Name: Pittsburg-Calvary Cemetery Site
Resource Name: Same
Address: 0.5 mile N of Pittsburg and 0.5 mile W of SH 63
City: Pittsburg
Vicinity: V
Range: R14E
Township: T3N
Section: Sec 17, SW4 of SW4 of SE4
Year Built: Unknown
Significance Description: The site represents the ethnic heritage of a community founded by immigrant coal miners.
Description of Resource: The site contains the graves of miners.

Property Name: McAlester-Edwards Coal Co. District
Resource Name: McAlester-Edwards Coal Co #1 Slope Mine
Address: 0.1 mile S of SH 63 & 0.6 mile W of Pittsburg
City: Pittsburg
Vicinity: V
Range: R14E
Township: T3N
Section: Sec 19, NW4 of NE4 of SW4
Year Built: Unknown
Significance Description: The site is an example of a non-railroad, multi-mine, independently-owned operation. It represents the role of medium-sized entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: The site contains a shale dump, engine mount, and collapsed slope entrance.

Property Name: McAlester-Edwards Coal Co. District
Resource Name: McAlester-Edwards Coal Co #2 Slope Mine
Address: 0.4 mile North of Pittsburg and 0.25 mile West of SH 63
City: Pittsburg

Vicinity: V
Range: R14E
Township: T3N
Section: Sec 20, SE4 of NW4 of NE4
Year Built: Unknown
Significance Description: The site is an example of a non-railroad, multi-mine, independently-owned operation. It represents the role of medium-sized entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: The site contains the ruins of a concrete building, an engine mount, and a shale dump.

Property Name: McAlester-Edwards Coal Co. District
Resource Name: McAlester-Edwards Coal Co. Concrete Building
Address: 0.4 mile N of Pittsburg and 0.25 mile W of SH 63
City: Pittsburg
Vicinity: V
Range: R14E
Township: T3N
Section: Sec 20, SE4 of NW4 of NE4
Year Built: Unknown
Significance Description: This is a rare example of a coal company bath house, which was used by miners after their shifts to wash away the heavy accumulation of black coal dust on the body.
Description of Resource: The building is approximately 20' X 20', with walls approximately 12' tall. There are 3 walls and a center dividing wall. The roof was flat but little of it remains. Pipes mounted in the concrete walls as well as the relative location to the mine mouth suggest that this was a showing facility for mine workers.

Property Name: St. Edward's Catholic Church
Resource Name: Same
Address: Southwest corner of Powell Ave. and Fourth St.
City: Pittsburg
Lot: 1 & 2
Block: 47
Plat: Pittsburg Original Town
Range: R14E
Township: T3N
Section: Sec 20, SE4 of SW4 of SE4
Year Built: Unknown
Significance Description: This Catholic Church was attended by Catholic coal miners and their descendants. It was immigrant coal miners that brought the Catholic faith to Pittsburg County.
Description of Resource: This shotgun house has been converted into a Catholic Church. It has a front gable, elevated, center-placed entrance, with a small pedimented porch roof supported by two brackets. Attic vents are visible under the gable roof. The East and West elevations have two double-hung windows,and the walls are covered with drop board siding.

Property Name: Pittsburg Bank
Resource Name: Same
Address: SE corner of Broadway Ave. and Main Street
City: Pittsburg
Lot: 9
Block: 17
Plat: Pittsburg Original Town
Range: R14E
Township: T3N
Section: Sec 20, SW4 of NE4 of SE4
Year Built: Unknown
Significance Description: This bank was an essential part of the local economy in Pittsburg, which owed its existence primarily to coal mining.
Description of Resource: This building has a beveled entrance at the NW corner, with semi-circular arches overhead. The West and North elevations each have two window openings, and those on the West have been converted to smaller, paired double-hung windows. Part of the South elevation has been covered with board and tar paper.

Property Name: Unidentified Strip Mine Site #39
Resource Name: Same
Address: 0.25 mile East of Savanna
City: Savanna
Vicinity: V
Range: R14E
Township: T4N
Section: Sec 10, NE4 of SW4 of SW4
Year Built: Unknown
Significance Description: The site is an example of a strip mine operation, the method used to extract coal located near the surface.
Description of Resource: The site contains a large, water-filled strip pit, approx. 100 yds by 200 yds.

Property Name: Unidentified Strip Mine Site #40
Resource Name: Same
Address: 0.25 mile East of Savanna
City: Savanna
Vicinity: V
Range: R14E
Township: T4N
Section: Sec 10, NW4 of SW4 of SW4
Year Built: Unknown
Significance Description: This is an example of a strip mine operation, a technique used to extract coal located near the surface.
Description of Resource: The site is a deep strip pit approx. 50 yards by 100 yards and 15 yards deep.

Property Name: Byrons Slope Mine Site
Resource Name: Same

Address: 1 mile East of Savanna
City: Savanna
Vicinity: V
Range: R14E
Township: T4N
Section: Sec 15, SE4 of NE4 of NW4
Year Built: Unknown
Significance Description: The site is an example of a non-railroad, multi-mine, independently-owned operation. It represents the role of medium-sized entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: The site contains a shale dump only.

Property Name: Dow Coal Co. District
Resource Name: Dow Coal Co. South Slope Mine Site
Address: 0.25 mile South of Savanna, East of sewage ponds
City: Savanna
Vicinity: V
Range: R14E
Township: T4N
Section: Sec 16, NW4 of NW4 of SW4
Year Built: Unknown
Significance Description: This site is an example of a non-railroad, multi-mine, independently-owned operation. It represents the role of medium-sized entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: The site contains an engine mount.

Property Name: Unidentified Slope Mine Site No. 35
Resource Name: Same
Address: 0.5 mile Southwest of Savanna
City: Savanna
Vicinity: V
Range: R14E
Township: T4N
Section: Sec 16, NW4 of SW4 of SE4
Year Built: Unknown
Significance Description: This site is an example of a "doghole" type coal mine that usually was shallow and employed under ten workers. Sharing responsibilities, doghole miners worked seasonally, using some coal themselves and selling the rest locally.
Description of Resource: The site contains a shale dump only.

Property Name: Savanna Cemetery Site
Resource Name: Same
Address: 0.5 mile East of US 69
City: Savanna
Vicinity: V
Range: R14E

Township: T4N
Section: Sec 16, SE4 of NE4 of NW4
Year Built: Unknown
Significance Description: The site represents the ethnic heritage of the community that was influenced by immigrants who came to mine coal.
Description of Resource: The site contains several miners' graves associated with the major mine disasters during the underground mining period, 1881-1929.

Property Name: Dow Coal Co. District
Resource Name: Dow Coal Co. North Slope Mine Site
Address: 0.25 mile South of Savanna, East of sewage ponds
City: Savanna
Vicinity: V
Range: R14E
Township: T4N
Section: Sec 16, SE4 of SW4 of NW4
Year Built: Unknown
Significance Description: The site is an example of a non-railroad, multi-mine, independently-owned operation. It represents the role of medium-sized entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: The site contains large shale dumps and a large engine mount.

Property Name: Unidentified Air Shaft Site #2
Resource Name: Same
Address: 1 1/4 miles Southwest of Savanna
City: Savanna
Vicinity: V
Range: R14E
Township: T4N
Section: Sec 17, SE4 of SE4 of SW4
Year Built: Unknown
Significance Description: This air shaft is an example of the ventilation system that helped reduce gas explosions in Oklahoma's coal mines.
Description of Resource: This site consists of a brick air shaft opening, 3 feet high and 2 1/2 feet across.

Property Name: McAlpine-Cobb Slope Mine Site
Resource Name: Same
Address: 2 miles Southwest of Savanna on E side of US 69
City: Savanna
Vicinity: V
Range: R14E
Township: T4N
Section: Sec 19, SE4 of NE4 of SE4
Year Built: Unknown

Significance Description: The site is an example of a non-railroad, multi-mine, independently-owned operation. It represents the role of medium-sized entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: The site contains an engine mount only.

Property Name: Struggling Monkey Slope Mine Site
Resource Name: Same
Address: 1 1/2 miles Southwest of Savanna
City: Savanna
Vicinity: V
Range: R14E
Township: T4N
Section: Sec 19, SE4 of NE4 of SE4
Year Built: Unknown
Significance Description: This site is an example of an independent, non-railroad, mining operation. It is one of two sites now on Army Ammunition Depot property.
Description of Resource: This site consists only of a small dump pile, approximately 20 feet across.

Property Name: Unidentified Slope Mine Site No. 36
Resource Name: Same
Address: 1.5 miles Southwest of Savanna
City: Savanna
Vicinity: V
Range: R14E
Township: T4N
Section: Sec 20, NE4 of NE4 of SW4
Year Built: Unknown
Significance Description: The site is an example of a "doghole" type coal mine that usually employed under ten workers. Sharing responsibilities, doghole miners worked seasonally, using some coal domestically, and selling the rest locally.
Description of Resource: The site contains a shale dump only.

Property Name: Unidentified Slope Mine Site No. 34
Resource Name: Same
Address: 1 mile Southwest of Savanna
City: Savanna
Vicinity: V
Range: R14E
Township: T4N
Section: Sec 20, NE4 of SW4 of NW4
Year Built: Unknown
Significance Description: The site is an example of a "doghole" type coal mine that usually was shallow and employed under ten workers. Sharing responsibilities, doghole miners worked seasonally, using some coal themselves and selling the rest locally.

Description of Resource: The site contains an engine mount only.

Property Name: Southern Fuel Co. District
Resource Name: Southern Fuel Co. Slope Mine Site #1
Address: 1.5 miles South of Savanna
City: Savanna
Vicinity: V
Range: R14E
Township: T4N
Section: Sec 21, SE4 of NE4 of SW4
Year Built: Unknown
Significance Description: The site is an example of a non-railroad, multi-mine, independently-owned operation. It represents the role of the medium-sized entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: The site contains an engine mount and a shale dump.

Property Name: Southern Fuel Co. District
Resource Name: Southern Fuel Co. No. 3 Slope Mine Site
Address: 1.25 miles South of Savanna
City: Savanna
Vicinity: V
Range: R14E
Township: T4N
Section: Sec 21, SE4 of SW4 of SW4
Year Built: Unknown
Significance Description: The site is an example of a non-railroad, multi-mine, independently-owned operation. It represents the role of medium-sized entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: The site contains a shale dump, engine mount and sinkhole.

Property Name: Miner's Shack Building
Resource Name: Same
Address: 2 miles South of Savanna
City: Savanna
Vicinity: V
Range: R14E
Township: T4N
Section: Sec 29, NE4 of NE4 of SE4
Year Built: Unknown
Significance Description: This building is a rare, surviving example of coal company house used by miners.
Description of Resource: The building consists of a small, rectangular, one-story, board and batten-walled shack. A batten door is located left of center on the South elevation. Gabled side is slightly overlapped. Rafters are exposed on gabled end. Hung window is located on North

elevation in center.

Property Name: Southern Fuel Co. District
Resource Name: Southern Fuel Co. Slope Mine Site #3
Address: 1.5 miles South of Savanna
City: Savanna
Vicinity: V
Range: R14E
Township: T4N
Section: Sec 29, SE4 of NE4 of NE4
Year Built: Unknown
Significance Description: The site is an example of a non-railroad, multi-mine, independently-owned operation. It represents the role of medium-sized entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: The site contains only a shale dump.

Property Name: Southern Fuel Co. District
Resource Name: Southern Fuel Co. Building
Address: 1.25 miles South of Savanna & 1 mile East of US 69
City: Savanna
Vicinity: V
Range: R14E
Township: T4N
Section: Sec 29, SE4 of NE4 of SW4
Year Built: Unknown
Significance Description: The site is an example of a non-railroad, multi-mine, independently-owned operation. It represents the role of medium-sized entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: The bldg is sandstone with some sandstone and mortar on the Northwest corner. The remains of a window are located on the left side of the North elevation. Dense vegetation covers approximately 80% of the building.

Property Name: Southern Fuel Co District
Resource Name: Southern Fuel Co. #1 1/2 Slope Mine Site
Address: 1.25 miles S of Savanna and 1 mile E of US 69
City: Savanna
Vicinity: V
Range: R14E
Township: T4N
Section: Sec 29, SE4 of NE4 of SW4
Year Built: Unknown
Significance Description: The site is an example of a non-railroad, multi-mine, independently-owned operation. It represents the role of medium-sized entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: The site contains the ruins of an engine mount

and a small shale dump.

Property Name: Southern Fuel Co. District
Resource Name: Southern Fuel Co. Fan House Structure
Address: 1.25 miles South of Savanna and 1 mile East of U.S. 69
City: Savanna
Vicinity: V
Range: R14E
Township: T4N
Section: Sec 29, SE4 of NE4 of SW4
Year Built: Unknown
Significance Description: This structure is the largest surviving, most intact, and best representative fanhouse of its type found in the Pittsburg County survey.
Description of Resource: This concrete structure is a fan house of the vertical type used to move air throughout the mine. The structure is approximately 15' tall, 30' long and 7' wide. The main portion of the structure has a semi-circular shape. Its South elevation has a circular opening.

Property Name: Southern Fuel Co. District
Resource Name: Southern Fuel Co. Slope Mine Site #2
Address: 2 miles South of Savanna
City: Savanna
Vicinity: V
Range: R14E
Township: T4N
Section: Sec 29, SW4 of SE4 of NE4
Year Built: Unknown
Significance Description: The site is an example of a non-railroad, multi-mine, independently-owned operation. It represents the role of medium-sized entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: The site contains a shale dump, engine mount, and sinkhole.

Property Name: Julian Coal Co. Slope Mine Site
Resource Name: Same
Address: 1 mile West of McAlester
City: McAlester
Vicinity: V
Range: R14E
Township: T5N
Section: Sec 3, NW4 of NE4 of NE4
Year Built: Unknown
Significance Description: This mine is an example of a commercial slope mine operation. The mine site is unique for its remnants of a coal car rail system mounted on a concrete foundation.
Description of Resource: The site consists of a capped mine mouth and concrete mounts with steel rails embedded in concrete. It is

approximately 5 acres in size.

Property Name: Unidentified Slope Mine Site #19
Resource Name: Same
Address: 1 1/4 miles West of McAlester
City: McAlester
Vicinity: V
Range: R14E
Township: T5N
Section: Sec 3, NW4 of NW4 of NE4
Year Built: Unknown
Significance Description: This mine site is an example of a small-scale slope mine operation, where miners shared responsibilities and divided profits.
Description of Resource: Remnants of concrete mounts, probably for a steam engine, are all that remain at this site.

Property Name: Brick Plant Site
Resource Name: Same
Address: Northwest of Main complex, Oklahoma State Penitentiary
City: McAlester
Vicinity: V
Range: R14E
Township: T6N
Section: Sec 25, SW4 of SW4 of SW4
Year Built: Unknown
Significance Description: This site was used to set and kiln bricks for construction of prison buildings and structures. The facility used nearby coal for its fuel.
Description of Resource: The site contains the demolished ruins of a brick plant.

Property Name: Unidentified Slope Mine Site #30
Resource Name: Same
Address: Oklahoma State Penitentiary Grounds
City: McAlester
Vicinity: V
Range: R14E
Township: T6N
Section: Sec 33, NE4 of SE4 of SE4
Year Built: Unknown
Significance Description: This is an example of a small, privately-owned "doghole" mine that employed usually under ten men who shared responsibilities and divided profits.
Description of Resource: The site contains the ruins of an engine mount.

Property Name: Unidentified Slope Mine Site #31
Resource Name: Same

Address: Oklahoma State Penitentiary Grounds
City: McAlester
Vicinity: V
Range: R14E
Township: T6N
Section: Sec 34, NE4 of SW4 of SW4
Year Built: Unknown
Significance Description: This is an example of a small operation referred to as a "doghole" mine that usually employed under ten men who shared responsibilities and profits.
Description of Resource: The site contains some steel cable used in the mines.

Property Name: Unidentified Slope Mine Site No. 32
Resource Name: Same
Address: Oklahoma State Penitentiary Grounds
City: McAlester
Vicinity: V
Range: R14E
Township: T6N
Section: Sec 34, NW4 of SE4 of SW4
Year Built: Unknown
Significance Description: The site is an example of an operation known as a "doghole" mine that usually employed under ten men who shared responsibilities and profits.
Description of Resource: The site contains a shale dump.

Property Name: Pasco Coal Co. Slope Mine Site
Resource Name: Same
Address: Oklahoma State Penitentiary Grounds
City: McAlester
Vicinity: V
Range: R14E
Township: T6N
Section: Sec 35, NE4 of SE4 of SW4
Year Built: Unknown
Significance Description: This mine site is an example of a small-scale independent operation. These non-railroad mines played a role in the development of the Oklahoma coal industry.
Description of Resource: A 10' tall, long dump pile with a depression in ground along side it are all that remain at this site.

Property Name: Samples Coal & Mining Co. District
Resource Name: Samples Coal & Mining Co. Slope Mine Site
Address: West end of the Railroad grade, East of corn field, Oklahoma State Penitentiary Grounds
City: McAlester
Vicinity: V

Range: R14E
Township: T6N
Section: Sec 35, NW4 of SE4 of SE4
Year Built: Unknown
Significance Description: The site is an example of a non-railroad, multi-mine, independently-owned operation. It represents the role of medium-sized entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: The site contains a collapsed mine entrance and remains of an engine mount.

Property Name: Samples Coal and Mining Co. District
Resource Name: Samples Coal & Mining Co #4 Slope Mine Site
Address: Oklahoma State Penitentiary, intersection of road & RR grade, 0.25 miles North of Cemetery
City: McAlester
Vicinity: V
Range: R14E
Township: T6N
Section: Sec 35, SE4 of NE4 of SE4
Year Built: Unknown
Significance Description: The site is an example of an independent mining operation that was not affiliated with a major railroad company but worked several mines.
Description of Resource: The site contains large concrete engine mounts and a tipple foundation.
Property Name: Shermers Slope Mine Site
Resource Name: Same
Address: Oklahoma State Penitentiary, Southwest corner of intersection in middle of Sec 35.
City: McAlester
Vicinity: V
Range: R14E
Township: T6N
Section: Sec 35, SE4 of SE4 of NW4
Year Built: Unknown
Significance Description: This is an example of a small, non-railroad operation that represents the role the independent operator played in the development of the Oklahoma coal industry.
Description of Resource: The site contains an engine mount.

Property Name: Thomas Coal Co. District
Resource Name: Thomas Coal Co. Slope Mine Site
Address: 0.25 mile South of Blanco post office
City: Blanco
Vicinity: V
Range: R15E
Township: T3N
Section: Sec 7, SE4 of NW4 of NW4
Year Built: Unknown

Significance Description: The site is an example of a non-railroad, multi-mine, independently-owned operation. It represents the role of medium-sized entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: The site contains an engine mount and a tipple foundation.

Property Name: Thomas Coal Co. District
Resource Name: Thomas Coal Co. Fan House Structure
Address: 0.25 mile South of Blanco post office
City: Blanco
Vicinity: V
Range: R15E
Township: T3N
Section: Sec 7, SE4 of NW4 of NW4
Year Built: Unknown
Significance Description: This structure is the only brick fan house found in Pittsburg County. It is in relatively good condition, but not operational.
Description of Resource: The fanhouse is approximately 12' tall X 10' wide X 20' long. The center of the structure has a semi-circular shape and brick walls. Attached to its North and South elevations are concrete walled, flat roofed extensions. The western half of these walls slope to the west.

Property Name: Krebs Bank Building
Resource Name: Same
Address: Southwest corner of SH 31 and Main Street
City: Krebs
Lot: 1, 2
Block: 41
Plat: Krebs
Range: R15E
Township: T5N
Section: Sec 10, NE4 of NW4 of NW4
Year Built: Unknown
Significance Description: This building was a center of financial transactions made by miners as well as an essential part of the local economy. It lent money to develop other businesses in the coal dominated area.
Description of Resource: The building is a 1-story, rectangular, of brick and approximately 20' X 60'.The facade is located on the East elevation and is symmetrical. Distinguishing features include an entry porch with entablature and 2 doric columns. The cornice is a 4 layered pyramidal and the frieze is fairly wide. The East elevation is white. There is a row of 4 windows on the North and South elevations. There is a small, non-original shingle entrance and awning on the West end of the North elevation. There is a door centered on the North elevation.

Property Name: McBees Slope Mine Site
Resource Name: Same
Address: 0.5 mile S of Krebs & 0.2 mile E of Main Street
City: Krebs
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 10, NE4 of SE4 of SW4
Year Built: Unknown
Significance Description: The site is representative of the role the small independent producer played in the development of the Oklahoma coal industry.
Description of Resource: This site contains a small shale dump and collapsed mine entrance.

Property Name: Osage Coal and Mining Co. District
Resource Name: Osage Coal & Mining Co #10 Shaft Mine Site
Address: 0.1 mile S of Krebs & 0.1 mile E of Main Street
City: Krebs
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 10, SE4 of SW4 of NW4
Year Built: Unknown
Significance Description: The site represents an uncommon type of extraction of the region, in addition to being owned by the second largest coal company in the area.
Description of Resource: The site contains a small shale dump and some large clinker piles.

Property Name: Buck Coal Co. District
Resource Name: Buck No. 6 Shaft Mine Site
Address: 0.75 mile South of State Highway 31 & 0.1 mile West of Buck Creek
City: Krebs
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 11, SE4 of NW4 of SE4
Year Built: Unknown
Significance Description: This site represents an uncommon form of extraction as well as independent ownership. The shaft mine was used selectively as an adaptation to the particular coal seam.
Description of Resource: This is a very large abandoned shaft mine complex. The site is covered with a marsh, but two engine mounts, a slope entrance, and a clinker pile remain.

Property Name: Buck Coal Co. District
Resource Name: Buck No. 10 Slope Mine Site
Address: Under power lines 0.25 miles North of County Rd.

City: Alderson
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 12, NW4 of SE4 of SE4
Year Built: Unknown
Significance Description: The site is an example of a non-railroad, multi-mine, independently owned operation. It represents the role of medium sized entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: The site contains remains of a brick boiler and a partial shale dump.

Property Name: Buck Coal Co. District
Resource Name: Buck No. 21 Slope Mine Site
Address: Beneath power lines and North of county road
City: Alderson
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 12, SE4 of SE4 of SE4
Year Built: Unknown
Significance Description: This site is significant due to the size of the remaining engine mount. Obviously, it was a very large operation.
Description of Resource: The site contains a large engine mount and clinker pile.

Property Name: Buck Coal Co. District
Resource Name: Buck No. 22 Slope Mine Site
Address: Under power lines 0.25 miles North of county road
City: Alderson
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 12, SW4 of SE4 of SE4
Year Built: Unknown
Significance Description: This site was opened by a non-railroad, multi-mine, independently owned company. It represents the role of medium-sized entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: The site contains two engine mounts and a partial shale dump.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Island Improvement Co. #7 Slope Mine Site
Address: 0.2 mile S of US 270 & 0.1 mile W of Alderson
City: Alderson
Vicinity: V
Range: R15E

Township: T5N
Section: Sec 14, SW4 of SW4
Year Built: Unknown
Significance Description: This is an example of a large mine opened by a railroad affiliate; it represents the close relationship the railroads played in the development of the Oklahoma coal industry.
Description of Resource: The site contains a large shale dump and remains of an engine mount.

Property Name: Unidentified Strip Mine Site No. 29
Resource Name: Same
Address: 0.3 mile W of Alderson on the N side of US 270
City: Alderson
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 15, NE4 of SE4
Year Built: Unknown
Significance Description: The site is an example of an early strip mine operation used as an adaptation to extract coal seams located near the surface.
Description of Resource: A shallow pond and junk pile are present today, as well as a shale dump.

Property Name: Klondike Slope Mine Site
Resource Name: Same
Address: 0.5 mile W of Alderson on the W side of US 270
City: Alderson
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 15, SE4 of SE4 of NW4
Year Built: Unknown
Significance Description: The site represents the role the independent operators played in the development of the Oklahoma coal industry.
Description of Resource: The site contains a sinkhole and air vent overgrown with trees. It is on the location of an abandoned drive-in theater.

Property Name: Osage Coal and Mining Co. District
Resource Name: Osage Coal & Mining Co. #8 Shaft Mine Site
Address: 0.75 mile W of Alderson & 1 mile S of Krebs
City: Alderson
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 15, SW4 of SE4 of NW4
Year Built: 1899
Significance Description: This is a rare example of a shaft-type coal

mine that was used selectively within the McAlester coal district.
Description of Resource: The site is represented by several large engine mounts, a shale pile and large clinkers nearby.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Island Improvement Co. Unidentified Slope Mine
Address: 0.1 mile N of county road on S side of Sec 15
City: Alderson
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 15, SW4 of SE4 of SW4
Year Built: Unknown
Significance Description: The mine is an example of the relationship between the railroad and mining, as this site was opened by a railroad affiliate.
Description of Resource: The site contains a shale dump and a large engine mount.

Property Name: McAlester-Alderson Slope Mine Site
Resource Name: Same
Address: South side of US 270, 0.4 mile West of Alderson
City: Alderson
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 15, SW4 of SW4 of NE4
Year Built: Unknown
Significance Description: The mine at this site was opened by a major affiliate of a railroad company, therefore, it represents the close interrelationship of the two industries.
Description of Resource: The remains of an engine mount are in the bottom of a creek at the site.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Island Improvement Co. Cinder Block Building
Address: 1 mile West of Alderson on N side of county rd.
City: Alderson
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 15, SW4 of SW4 of SE4
Year Built: Unknown
Significance Description: The building is a rare example of mine company architecture. It represents undetermined facilities that were used by miners.
Description of Resource: The building is a large rectangular structure, possibly used as a bath house. It was a one-story building. Approximately one-third of the original walls remain.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Island Improvement Co. Brick Building
Address: 1 mile W of Alderson, on N side of county road
City: Alderson
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 15, SW4 of SW4 of SE4
Year Built: Unknown
Significance Description: The building is a rare example of mine company architecture and represents undetermined facilities used by mine workers.
Description of Resource: This is a square brick building, possibly used as an office. A door was located at far right of the West elevation, as were two windows on either side of a centered door on the East elevation. A part of the shed-type roof on the East side remains. Approximately 75% of the walls remain.

Property Name: Rock Island Improvement Company District
Resource Name: Rock Island Improvement Co #5 Shaft Mine Site
Address: 0.5 mile W of Alderson & 0.25 S of county road
City: Alderson
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 22, SE4 of NW4 of NE4
Year Built: 1900
Significance Description: This is a rare example of a shaft-type mine in addition to being opened by an affiliate of a major railroad, representing the relation- ship between the coal mining and railroad industries.
Description of Resource: The site contains two engine mounts and one shale dump.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Island No. 38 Slope Mine Site
Address: 0.2 miles N of US 270, 0.75 miles E of Alderson
City: Alderson
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 24, NE4 of NE4 of NE4
Year Built: 1901
Significance Description: Contains one of the largest shale dumps found in survey, representing an enormous operation.
Description of Resource: The site contains an enormous shale dump.

Property Name: Osage Coal and Mining Co. District
Resource Name: Osage Coal & Mining Co. Shaft Mine #7 Site

Address: SE of intersection of paved and gravel road in the NW4 of SW4 of SE4 of Sec 3.
City: Krebs
Vicinity: V
Range: 15E
Township: T5N
Section: Sec 3, NW4 of SW4 of SE4
Year Built: Unknown
Significance Description: This site represents the location of a large shaft mine operation that was an uncommon form of coal extraction in the region. It was owned by an affiliate of a large railroad company.
Description of Resource: This shaft mine remains as a large sinkhole approximately 20' in diameter that is continuously filled in with garbage by the owner.

Property Name: Osage Coal and Mining Co. District
Resource Name: Osage Coal & Mining Co. #7 Shaft MKT Spur
Address: Southeast of intersection of paved and gravel road in the NW4 of SW4 of SE4 of Sec 3.
City: Krebs
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 3, NW4 of SW4 of SE4
Year Built: Unknown
Significance Description: This site represents the role the railroads played in the development of coal mining in Oklahoma.
Description of Resource: The site remains part of a railroad spur. The rails do not remain,but the site is represented by a surviving gravel base approximately 10' X 1/4 mile.

Property Name: Homer's Slope Mine No. 1 Site
Resource Name: Same
Address: Approximately 100 yds East of Krebs sewage disposal ponds
City: Krebs
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 3, SW4 of NE4 of SE4
Year Built: Unknown
Significance Description: This site is unique due to the extent of recognizable parts of the mine operation. The components of the operation are concentrated within a small area.
Description of Resource: The remaining parts of this slope mine consist of a very large waste pile and several large concrete engine mounts.

Property Name: Unidentified Strip Pit Site #11
Resource Name: Same
Address: 4 1/2 miles Southwest of Alderson

City: Alderson
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 33, NE4 of NE4 of SE4
Year Built: Unknown
Significance Description: This site is an example of the strip pit operations that represents the final stage of Oklahoma coal mining.
Description of Resource: This reclaimed strip mine site consists of a long narrow pond and open grassy meadow covering approximately 40 acres.

Property Name: Unidentified Slope Mine Site #9
Resource Name: Same
Address: 2 1/2 miles Southwest of Bache
City: Bache
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 36, NE4 of NE4 of NE4
Year Built: Unknown
Significance Description: This mine site is an example of the medium-size commercial operations that co-existed with the more numerous railroad mines.
Description of Resource: A dump pile and concrete supports that were most likely tipple foundations are found on this site.

Property Name: Osage Coal and Mining Co. District
Resource Name: George Dupuich House
Address: 2.5 miles Northeast of Krebs on Highway 31
City: Krebs
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 36, NE4 of SW4 of SE4
Year Built: c. 1902
Significance Description: This building is a rare example of company housing used by coal miners. Formerly,this style of housing was very abundant and cheap to build. Today few exist.
Description of Resource: This is an example of a surviving company house. Originally, it consisted of a 16' X 28' rectangular building. The West elevation was the original facade; it contains a door located just right of center, and a double hung window on either side. The North elevation contains a window on the end of the original building as well as an aluminum addition containing a door right of center and a window left of center. The addition is a shed-type building. The East elevation contains a door frame right of center. The South elevation contains 2 (covered) windows, right and left of center.

Property Name: Unidentified Slope Mine Site #10

Resource Name: Same
Address: 3 1/2 miles Southwest of Bache
City: Bache
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 36, NW4 of NW4 of NW4
Year Built: Unknown
Significance Description: This mine site is an example of the small commercial operations that played an important role in the development of the Oklahoma coal industry.
Description of Resource: A small 4' high dump pile remains, as does remnants of small secondary entry and a 40' X 50' pond covering main mine entrance.

Property Name: Osage Coal and Mining Co. District
Resource Name: Osage Coal and Mining Co. #11 Shaft Mine Site
Address: One block West of St. Joseph's Catholic Church
City: Krebs
Lot: Unknown
Block: 139
Plat: Krebs
Range: R15E
Township: T5N
Section: Sec 4, SE4 of NE4 of SE4
Year Built: 1888
Significance Description: The second oldest mine in the state, this site represents one of the few shaft mines of the region. In 1892, an explosion killed 68 men and injured 200 others. It was one of the largest mines in the area.
Description of Resource: The site contains only a fragmented engine mount made of sandstone.

Property Name: Osage Coal and Mining Co. District
Resource Name: Osage Coal & Mining Co. #11 Water Shaft Site
Address: North side of SH 31, 100 feet West of Krebs
City: Krebs
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 4, SE4 of SE4 of SW4
Year Built: Unknown
Significance Description: The site is the only surviving example of a watershaft. Its purpose was to hoist tremendous rates of water and dump it above ground. This practice kept the local water table low enough allowing underground mining.
Description of Resource: The site consists of two large concrete foundations.

Property Name: Lovera's Italian Grocery Building
Resource Name: Same
Address: 95 N.W. 6th St.
City: Krebs
Lot: 1, 2
Block: 23
Plat: Krebs
Range: R15E
Township: T5N
Section: Sec 4, SW4 of SE4 of SE4
Year Built: 1910
Significance Description: The building is the only example of an ethnic grocery store found in the region. It represents the cultural influence of the Italian immigrants who came to work in the coal mines.
Description of Resource: This is a two-story, flat-roofed, sandstone building that has always been used as an Italian grocery and meat market. The East elevation (facade) is symmetrical except fora staircase on the North side. There is a full width porch with 2 supports. The 2nd floors' East elevation has 2 double-hung windows. There is a small, 1-story addition on the Southwest corner. On the lower level of the East elevation is centered a segmental arch containing a fan window and glazed door. On either side is a round arched window and fan windows. It clearly contains Italianate influences.

Property Name: Unidentified Slope Mine Site No. 37
Resource Name: Same
Address: North side of SH 31, 0.4 mile West of Krebs
City: Krebs
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 4, SW4 of SW4 of SW4
Year Built: Unknown
Significance Description: This is an example of a "doghole" type coal mine that usually was shallow and employed under ten workers. Sharing responsibilities, doghole miners worked seasonally, using some coal and selling the rest locally.
Description of Resource: There are very limited remains of an engine mount at the site, which is covered partially by a large pond.

Property Name: Osage Coal and Mining Co. District
Resource Name: Osage Coal & Mining New #8 Shaft Mine Site
Address: Bottom of ridge in the SW4 of the SE4
City: Krebs
Vicinity: V
Range: R15E
Township: T5N
Section: Sec 9, NE4 of SW4 of SE4
Year Built: Unknown

Significance Description: This is an example of a shaft-type coal mine that was used selectively within the McAlester Coal District.
Description of Resource: At the site, the actual shaft has been covered with a concrete slab, while much of the boiler remains.

Property Name: Catholic Cemetery Site
Resource Name: Same
Address: 0.2 mile E of U.S. 69, extending 0.2 mile North of McAlester
City: McAlester
Vicinity: V
Range: R15E
Township: T6N
Section: Sec 30, SE4 of SE4 of NE4
Year Built: Unknown
Significance Description: The site represents the ethnic heritage of a community founded by immigrant coal miners.
Description of Resource: The site is an all-Catholic cemetery, containing the graves of miners from various ethnic groups such as Italians, Poles,and Mexicans.

Property Name: Largest Coal Lump Monument Object
Resource Name: Same
Address: Northwest of the intersection of Krebs Ave. and N. Main Street along the railroad right-of-way.
City: McAlester
Vicinity: V
Plat: North McAlester
Range: R15E
Township: T6N
Section: Sec 31, NW4 of NW4 of NE4
Year Built: 1921
Significance Description: This monument is the largest lump of McAlester Coal removed from a mine. This site served as a representation of the importance of coal mining in the area.
Description of Resource: The lump itself is approximately 8' X 6' X 4' and weighs 25 tons. A placard is displayed on the lump, which sits upon a concrete foundation.

Property Name: J.J. McAlester Mercantile Co. Bldg (West)
Resource Name: Same
Address: 2701 N. Main Street
City: McAlester
Lot: 10, 11
Block: 85A
Plat: North McAlester
Range: R15E
Township: T6N
Section: Sec 31, NW4 of NW4 of NE4
Year Built: 1912

Significance Description: The building is associated with the heyday of coal mining (1903-1920) and the man who started commercial mining in the region.
Description of Resource: The building consists of 2 main parts. The 1st part is located on the North 1/3 of the building's area. It is a rectangular brick, 2-story with 6 windows on the West elevation: 4 above and 2 below. A large door is centered on here. On the East elevation, 4 (covered) windows are on the 2nd story and the 1st story consists of windows with a double glass door. The 1st story is painted white. The 2nd part is a square, white brick building with a full-length porch, and 11 glassed windows and 2 glassed doors.

Property Name: J.J. McAlester Mercantile Co. Building (East)
Resource Name: Same
Address: 2700 N. Main Street
City: McAlester
Lot: 12
Block: 101
Plat: North McAlester
Range: R15E
Township: T6N
Section: Sec 31, NW4 of NW4 of NE4
Year Built: 1893
Significance Description: This building is associated with the man responsible for establishing commercial coal mining in the region. It also is one of the first commercial buildings in McAlester and is tied to the city's coal mining related past.
Description of Resource: This is a rectangular, two-story, cut sandstone building with a concrete facade. The windows are located on both stories of the East and West elevations. The North side contains a one-story, 3/4 length addition with three windows.

Property Name: Mine Superintendent's House Building
Resource Name: Same
Address: 8 W. Park Avenue
City: McAlester
Lot: 5
Block: 171
Plat: North McAlester
Range: R15E
Township: T6N
Section: Sec 31, NW4 of SE4 of NW4
Year Built: c. 1900
Significance Description: This building is the only extant example of a house used by a mine superintendent of the McAlester coal district. It was the place for activity regarding coal mining laws and ordinances.
Description of Resource: This is a square, two-story building with a centered door and center gable. Three windows are located on the second floor North and South elevations while 2 windows per floor are found on the East and West elevations. A one-car garage is attached to the South

side. There is as vent in the center gable.

Property Name: Osage Coal and Mining Co. District
Resource Name: Old Town Slope Mine Site
Address: 2 West Park Ave.
City: McAlester
Lot: 1
Block: 171
Plat: North McAlester
Range: R15E
Township: T6N
Section: Sec 31, NW4 of SE4 of NW4
Year Built: Unknown
Significance Description: This mine was the site of a 1929 explosion which killed 61 men. As a railroad owned mine, it also represents the role railroads played in the development of Oklahoma's coal mining industry.
Description of Resource: The site was the location of a large mine. Today, an engine mount and sinkhole are visible on the site.

Property Name: Coal Loading Structure
Resource Name: Same
Address: Southeast of the intersection of Electric Ave. and North Main Street
City: McAlester
Plat: North McAlester
Range: R15E
Township: T6N
Section: Sec 31, SW4 of NE4 of SW4
Year Built: c. 1920
Significance Description: Designed to load coal onto railcars, the structure represents the decline of mining in Oklahoma as it became obsolete soon after it was built, in the early 1920s.
Description of Resource: The structure is approximately 100 feet tall and rests on four legs,one of which is wider than the others due to an elevator. At thirty feet high, two large railroad car loaders rest on a concrete platform. The top fifty feet is a coal storage area of approximately 50' X 30' and 1000 sq. feet in area. There are two windows on either side of the North and South elevations and one on the West elevation.

Property Name: Osage Coal and Mining Co. District
Resource Name: Osage Coal and Mining Company House
Address: 201 W. Park Ave.
City: McAlester
Lot: 10
Block: 150
Plat: North McAlester
Range: R15E

Township: T6N
Section: Sec 31, SW4 of NW4 of NW4
Year Built: c. 1900
Significance Description: This building is a rare example of a company house built by coal companies to house their workers.
Description of Resource: The building consists of a 16' X 28' gabled part and a hall and parlor addition. The original company house has a centered door with a double window on either side of the symmetrical South elevation. The gabled ends have centered double windows. The entry porch has four supports. A double window is centered on the North elevation. There is a vent in the gables.

Property Name: DeFrange Slope Mine Site
Resource Name: Same
Address: 1 mile North of Smithson Lake on MKT railroad
City: McAlester
Vicinity: V
Range: R15E
Township: T6N
Section: Sec 32, NW4 of SE4 of NE4
Year Built: Unknown
Significance Description: The site represents the role independent operations played in the development of coal mining in the area.
Description of Resource: The site consists of a large subsided area and the remains of a brick engine mount.

Property Name: Osage Coal and Mining Co. District
Resource Name: Osage Coal & Mining Co. #5 Shaft Mine Site
Address: 0.5 miles North of Smithson Lake on MKT spur
City: McAlester
Vicinity: V
Range: R15E
Township: T6N
Section: Sec 32, NW4 of SE4 of SE4
Year Built: 1895
Significance Description: One of the earliest mines in the region, this site represents the important, but uncommon technique of shaft mining in the area. It was owned by an affiliate of a major railroad company.
Description of Resource: The site contains ruins of an engine mount below a wooden loading dock. It is overgrown and partially covered by a company storage yard.

Property Name: Williamson & Lane Slope Mine Site
Resource Name: Same
Address: 0.25 miles Southeast of North McAlester cemetery on MKT railroad
City: McAlester
Vicinity: V
Range: R15E

Township: T6N
Section: Sec 32, NW4 of SW4 of NE4
Year Built: Unknown
Significance Description: The site is representative of the various independently-owned coal mines of the region.
Description of Resource: The site consists of ruins of an engine mount and a 10' X 20' concrete slab covering the mine slope mouth, approximately 30 yards South of MKT line.

Property Name: Church Slope Mine Site
Resource Name: Same
Address: County road at SW4 of NE4 of SW4 of Sec 33
City: Krebs
Vicinity: V
Range: R15E
Township: T6N
Section: Sec 33, SW4 of NE4 of SW4
Year Built: Unknown
Significance Description: This site is representative of the role independent producers played in the development of coal mining in Oklahoma.
Description of Resource: Bricks in road material are the only traces of a mine at the site.

Property Name: Osage Coal and Mining Co. District
Resource Name: Osage Coal & Mining Co. Coking Oven Site
Address: 0.5 mile North of Krebs, beneath power lines
City: Krebs
Vicinity: V
Range: R15E
Township: T6N
Section: Sec 33, SW4 of SE4 of SE4
Year Built: Unknown
Significance Description: The site is a rare example of a coking oven site that was used to refine coal into a very high quality fuel product.
Description of Resource: The site contains a charred crater that was the bottom part of a coking oven.

Property Name: Unidentified Slope Mine Site #25
Resource Name: Same
Address: Approximately 0.75 feet W of mobile home on South side of county road in NW4 of SE4 of SE4 of Sec 34.
City: Krebs
Vicinity: V
Range: R15E
Township: T6N
Section: Sec 34, NW4 of SE4 of SE4
Year Built: Unknown
Significance Description: This site is representative of a "doghole"

operation. Usually employing under ten workers, operators worked seasonally, sharing various responsibilities and dividing profits and coal for their own use.
Description of Resource: The site contains the remnants of a shale dump.

Property Name: Osage Coal and Mining Co. District
Resource Name: Powder House Structure
Address: 2.5 miles Northeast of Krebs on Highway 31
City: Krebs
Vicinity: V
Range: R15E
Township: T6N
Section: Sec 36, NE4 of SE4 of SE4
Year Built: c. 1902
Significance Description: The building is the most intact and best representative of powder houses found. It was used to store explosives used in coal mining.
Description of Resource: This is a small, brick, shed-type structure approximately 12' X 10' X 7'-10' tall. A batten door is centered on the East elevation. Rafters are exposed on the East and West elevations. The solid wall bonding system is a variation of the English system, with six stretcher rows per header row.

Property Name: Osage Coal and Mining Co. District
Resource Name: Company House
Address: 2.5 miles East of Krebs on Highway 31
City: Krebs
Vicinity: V
Range: R15E
Township: T6N
Section: Sec 36, NW4 of SE4 of SE4
Year Built: c. 1902
Significance Description: This building is a rare example of company housing used by coal miners. Being inexpensive and easy to build, coal companies provided this type of housing for miners.
Description of Resource: This was originally a 16' X 28' rectangular building. The East 1/2 of the building was added to the original later. The West elevation was the original facade and has a full-length porch with 5 supports. Two double hung windows are each located 2' away from the corners. A door is located right of center. The North and South elevations contain a centered window on the original building and a shed type addition East of the original building on either side. The East elevation has a centered door with a large window left of center and 2 windows 2 ft. from either end. There is also an entry porch with 3 porch supports.

Property Name: Unidentified Strip Mine Site No. 28
Resource Name: Same
Address: 2.5 miles Northeast of Krebs on Highway 31

City: Krebs
Vicinity: V
Range: R15E
Township: T6N
Section: Sec 36, SE4 of NE4 of SE4
Year Built: Unknown
Significance Description: This site represents the technique of mining coal that is located near the surface.
Description of Resource: The site consists of a grassed depression that does not drain well.

Property Name: Unidentified Strip Pit Mine Site #23
Resource Name: Same
Address: S of Mud Creek Road, SE4 of NW4 of NE4 of Sec 36
City: Krebs
Vicinity: V
Range: R15E
Township: T6N
Section: Sec 36, SE4 of NW4 of NE4
Year Built: Unknown
Significance Description: This site represents a strip operation, which was used selectively as an adaptation to places where coal seams were located near the surface.
Description of Resource: This strip pit has been successfully reclaimed with pecan trees and grasses.

Property Name: Unidentified Slope Mine Site No. 22
Resource Name: Same
Address: N of Mud Creek in SE4 of NW4 of NE4 of Sec 36
City: Krebs
Vicinity: V
Range: R15E
Township: T6N
Section: Sec 36, SE4 of NW4 of NE4
Year Built: Unknown
Significance Description: This site is representative of the small, unique method of coal extraction referred to as a "doghole" operation. Usually employing under ten workers, operators worked seasonally, sharing various responsibilities and profits.
Description of Resource: Remains of this doghole mine have been very successfully reclaimed by plowing and planting.

Property Name: Osage Coal and Mining Co. District
Resource Name: Osage Coal & Mining Co #7 Slope Mine Site
Address: 2.5 miles Northeast of Krebs on Highway 31
City: Krebs
Vicinity: V
Range: R15E
Township: T6N

Section: Sec 36, SW4 of NE4 of SE4
Year Built: 1902
Significance Description: This is an example of a large slope mine that was 1150 feet long and employed a large number of workers. It was owned by the second largest company in the McAlester District.
Description of Resource: This site contains three brick engine mounts and three air shafts.
Property Name: Osage Coal and Mining Co. District
Resource Name: Missouri-Kansas-Texas Railroad Spur Site
Address: 2.5 miles E of Krebs on Northeast side of SH 31
City: Krebs
Vicinity: V
Range: R15E
Township: T6N
Section: Sec 36, SW4 of NE4 of SE4
Year Built: Unknown
Significance Description: The site is associated with the transportation of coal to market. At this site, trainloads of coal were loaded and shipped.
Description of Resource: The site retains the raised right of way of the railroad spur.

Property Name: Osage Coal and Mining Co. District
Resource Name: Rose Beltram House
Address: 2.5 miles E of Krebs on the NW side of SH 31
City: Krebs
Vicinity: V
Range: R15E
Township: T6N
Section: Sec 36, SW4 of NE4 of SE4
Year Built: c. 1902
Significance Description: The building is a rare example of coal company housing, used by miners and rented to them by the coal company on credit to be garnished from their wages.
Description of Resource: The front elevation reveals the original 16' X 28' rectangular building with a hipped roof. The East elevation is asymmetrical with a door and two windows on the left and one on the right. A window is centered on each side of the North and South elevation of the original 16' X 28' building. On the North and South elevation of the addition are a row of 3 windows West of gable, symmetrical with a centered door and a window on each side and a vent and wood picket awning above.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Island Unidentified Slope Mine Site #3
Address: 1/8 mile West of Hartshorne
City: Hartshorne
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 1, NE4 of NE4 of SE4

Year Built: Unknown
Significance Description: This mine site represents the role of railroads in the development of the coal industry of Oklahoma.
Description of Resource: The site consists of an earthen mine entrance nearly covered with vegetation

Property Name: Hailey-Ola Coal Co. District
Resource Name: Hailey-Ola Slope Mine #1 Site
Address: 1/8 mile West of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 1, SE4 of NW4 of NW4
Year Built: 1900
Significance Description: This mine employed 150 men at one time. It is an example of mid-size mining operations in the Oklahoma coal industry.
Description of Resource: An abandoned and overgrown slope mine opening is all that remains at this site.

Property Name: Unidentified Slope Mine Site #3
Resource Name: Same
Address: 1/8 mile West of Hartshorne
City: Hartshorne
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 1, SE4 of SE4 of NE4
Year Built: Unknown
Significance Description: This mine site is typical of the many small mining operations in Pittsburg County during the coal mining era.
Description of Resource: The site consists of an abandoned earthen mine opening, covered over with debris.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Island Robinson Slope Mine Site
Address: 1/8 mile Southwest of Hartshorne
City: Hartshorne
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 1, SW4 of SE4 of SE4
Year Built: Unknown
Significance Description: The site is an example of a slope mine that was opened by an affiliate of a major railroad. Therefore, it represents the role railroads played in the development of the Oklahoma coal industry.
Description of Resource: An abandoned earthened mine entrance in a 10

acre field and a 100' dump pile are all that remains on this site.

Property Name: Anderson-McCoubrey Unident. Slope Mine Site #1
Resource Name: Same
Address: 2 miles Southwest of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 10, NE4 of SW4 of NW4
Year Built: Unknown
Significance Description: This mine site characterizes the many small mining operations that were scattered across the coal belt of Oklahoma between 1890 and 1930.
Description of Resource: An abandoned earthen slope mine mouth and small 20' X 30'dump pile are all that remain at this site.

Property Name: Unidentified Slope Mine Site #5
Resource Name: Same
Address: 1 1/2 miles Southwest of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 10, SE4 of NE4 of SE4
Year Built: Unknown
Significance Description: This site is an example of the small independent mines that played an important role in the development of the Oklahoma coal industry.
Description of Resource: A small dump pile and an air shaft nearby are the only remaining evidence of the mine.

Property Name: Anderson-McCoubrey Unident. Slope Mine Site #2
Resource Name: Same
Address: 2 miles Southwest of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 10, SW4 of SW4 of NW4
Year Built: Unknown
Significance Description: This is an example of the many small mining operations that dotted the landscape of Oklahoma's coal belt during the 1890-1930 period.
Description of Resource: This abandoned slope mine site consists of a dump pile and concrete and stone air shaft approximately 10' square and 5' tall.

Property Name: Hailey-Ola Coal Co. District
Resource Name: Hailey-Ola Slope Mine #2 Site
Address: 3/4 mile Southwest of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 11, NW4 of NE4 of NE4
Year Built: Unknown
Significance Description: This mine site is an example of an independent, non-railroad operation. The mine characterizes medium-size operations in the coal belt of Oklahoma.
Description of Resource: The dump pile is 5 yards wide and 20 yards long. Other physical evidence of the mine are concrete supports for the tipple.

Property Name: Hailey-Ola Coal Co. District
Resource Name: Hailey-Ola Slope Mine #6 Site
Address: 1 mile Southwest of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 11, NW4 of NE4 of NW4
Year Built: 1911
Significance Description: This is an excellent example of a large-scale independent, non-railroad mine. Large amounts of poured concrete on the site indicate the permanence and commercial nature of the mine.
Description of Resource: This approximately 10 acre site consists of many concrete foundations of an undetermined origin running up and down the hillside. It contains more of these than any other site surveyed.

Property Name: Ferguson Coal Co. District
Resource Name: Ferguson Slope Mine #5 Site
Address: 1 1/4 miles Southwest of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 11, SE4 of SE4 of NW4
Year Built: Unknown
Significance Description: This mine site is an example of the medium-size, independent, non-railroad operations that played an important role in the development of the Oklahoma coal industry.
Description of Resource: A dump pile 100' high and concrete engine mounts approximately 20 yds. away are all that remain at this site.

Property Name: Ferguson Coal Co. District
Resource Name: Ferguson Slope Mine #7 Site

Address: 1 1/4 Southwest of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 11, SW4 of SW4 of NE4
Year Built: Unknown
Significance Description: This mine site is an example of the medium-size, independent, non-railroad operations that played an important role in the development of the Oklahoma coal industry.
Description of Resource: Concrete foundation supports, probably for a tipple, comprise this site.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Island Slope Mine #3 Site
Address: 1/8 mile Southwest of Hartshorne
City: Hartshorne
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 12, SW4 of NE4 of NE4
Year Built: Unknown
Significance Description: The site is an example of a slope mine that was opened by an affiliate of a major railroad. Therefore, it represents the role railroads played in the development of the Oklahoma coal industry.
Description of Resource: A dump pile, roughly 10 feet high, 20 feet wide, and 30 yards long is all that remains of this mine.

Property Name: Messina Coal Co. District
Resource Name: Berlin Slope Mine Site
Address: 5 miles Southwest of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 19, NE4 of SW4 of NW4
Year Built: Unknown
Significance Description: This mine site is an example of the medium-sized, independent, non-railroad mining operations that played an important role in the development of the Oklahoma coal industry.
Description of Resource: A dump pile approximately 30' X 50' is all that remains at this site.

Property Name: Unidentified Slope Mine Site #6
Resource Name: Same
Address: 5 miles Southwest of Haileyville
City: Haileyville
Vicinity: V

Range: R16E
Township: T4N
Section: Sec 19, NW4 of NE4 of SW4
Year Built: Unknown
Significance Description: This mine site is an example of the small-scale operations in which a few miners would join together while sharing profits and responsibilities.
Description of Resource: This dog hole, or small-scale opening is covered. Now only a small dump pile is present. A small depression in the ground alongside of the dump pile is only physical traces of the mine.

Property Name: Messina Coal Co. District
Resource Name: Craig #1 Slope Mine Site
Address: 4 1/2 miles Southwest of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 19, SE4 of NE4 of NW4
Year Built: Unknown
Significance Description: This mine site is an example of the medium-sized, independent, non-railroad operations that played an important role in the development of the Oklahoma coal industry.
Description of Resource: Multiple concrete supports, for both tipple and engine mounts, plus a 30' X 50' dump pile, comprise this site.

Property Name: Unidentified Slope Mine Site #7
Resource Name: Same
Address: 5 miles Southwest of Haileyville
City: Unknown
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 19, SW4 of SE4 of NW4
Year Built: Unknown
Significance Description: This site is an example of a small-scale operation where a few miners banded together while sharing profits and responsibilities.
Description of Resource: A covered up dog hole, this site is little more than a slight depression in the ground, approximately 10 feet across.

Property Name: Hailey-Ola Coal Co. District
Resource Name: Hailey-Ola Slope Mine #5 Site
Address: 1/8 mile West of Haileyville
City: Haileyville
Vicinity: V
Range: R16E

Township: T4N
Section: Sec 2, NE4 of SE4 of NE4
Year Built: Unknown
Significance Description: This is an example of a non-railroad, multi-mine operation. It represents the role of medium-size entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: Concrete engine mounts are all that remain of this mine.

Property Name: Hailey-Ola Coal Co. District
Resource Name: Hailey-Ola Slope Mine #4 Site
Address: 1/2 mile Southwest of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 2, NE4 of SE4 of SE4
Year Built: Unknown
Significance Description: This is an example of a non-railroad, multi-mine independently-owned operation. It represents the role of medium-sized operations in the development of the Oklahoma coal industry.
Description of Resource: A small dump pile and pile of dirt probably covering the mouth are the only evidence of the mine on the site.

Property Name: Hailey-Ola Coal Co. District
Resource Name: Hailey-Ola Slope Mine #3 Site
Address: 1/4 mile Southwest of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 2, NW4 of NE4 of SE4
Year Built: 1901
Significance Description: This mine site is an example of a non-railroad, multi-mine independent operation. These medium-size operations were a balance between the small-scale mine and the corporate railroad mines.
Description of Resource: Concrete engine mounts are the only remaining physical evidence of the mine.

Property Name: Palmer and Hubble Coal Co. District
Resource Name: Palmer and Hubble Unidentified Slope Mine Site #1
Address: 1 mile Southwest of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 2, SW4 of SW4 of SW4

Year Built: Unknown
Significance Description: This is an example of a non-railroad, multi-mine independent operation. It represents the role of mid-size operations in the Oklahoma coal industry.
Description of Resource: A 50' X 50' dump piles sits beside a 150' long overburden pile and a long narrow pond that has formed over the strip. An air shaft is 100 yards west of the dump pile and strip pit pond.

Property Name: Unidentified Slope Mine Site #8
Resource Name: Same
Address: 4 1/2 miles Southwest of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 20, SW4 of SE4 of SE4
Year Built: Unknown
Significance Description: This site is an example of commercial slope mines that outsized dog-hole operations, but were dwarfed in numbers by the railroad mines.
Description of Resource: The site consists of a concrete covered mine opening approximately 8 ft. square and a water-filled opening that was probably a secondary or escape opening. Concrete supports, most likely tipple mounts, complete the site.

Property Name: Palmer and Hubble Coal Co. District
Resource Name: Palmer and Hubble Slope Mine Site #1
Address: 1 mile Southwest of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 3, SE4 of SE4 of SE4
Year Built: Unknown
Significance Description: This mine site is an example of a non-railroad, multi mine operation. It represents the role of mid-size companies in the development of the Oklahoma coal industry.
Description of Resource: An abandoned slope, dump pile, and concrete engine mounts are all that remain on the site.

Property Name: Palmer and Hubble Coal Co. District
Resource Name: Palmer and Hubble Slope Mine Site #2
Address: 1 mile Southwest of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 3, SE4 of SE4 of SE4
Year Built: Unknown

Significance Description: This is an example of a non-railroad, independent operation that represents the role of mid-size operations in the development of the Oklahoma coal industry.
Description of Resource: A dump pile (30' X 50') and iron bolts embedded in the ground are all that remain of the mine.

Property Name: Palmer and Hubble Coal Co. District
Resource Name: Palmer and Hubble Slope Mine Site #3
Address: 1 1/2 mile Southwest of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 3, SE4 of SE4 of SW4
Year Built: Unknown
Significance Description: This is an example of a non-railroad, independent operation that represents the role of mid-size companies in the development of the Oklahoma coal industry.
Description of Resource: A dump pile is the only remaining evidence of the mine on this site.

Property Name: Palmer and Hubble Coal Co. District
Resource Name: Palmer and Hubble Slope Mine Site #4
Address: 1 1/4 mile Southwest of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 3, SE4 of SW4 of SE4
Year Built: Unknown
Significance Description: This is an example of a non-railroad, independent operation that represents the role of mid-size companies in the development of the Oklahoma coal industry.
Description of Resource: A dump pile and sinkhole are all that remain at this site.

Property Name: Palmer and Hubble Coal Co. District
Resource Name: Palmer and Hubble Unident. Slope Mine Site #2
Address: 2 miles West of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 3, SW4 of NE4 of SW4
Year Built: Unknown
Significance Description: This is an example of a non-railroad, independent operation that represents the role of mid-size companies in the development of the Oklahoma coal industry.
Description of Resource: An abandoned slope, large 100' dump pile, and engine mounts are only remaining evidence of the mine.

Property Name: Unidentified Strip Pit Site #4
Resource Name: Same
Address: 2 miles West of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 3, SW4 of SW4 of SW4
Year Built: Unknown
Significance Description: This strip mine is associated with the mining technique employed to exploit coal close to the surface. It became especially popular after 1930.
Description of Resource: This abandoned strip pit mine is now a 5-acre pond.

Property Name: Unidentified Air Shaft Site #1
Resource Name: Same
Address: 2 miles West of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 8, NW4 of NW4 of NE4
Year Built: Unknown
Significance Description: This is an example of the ventilation system that helped reduce the occurrence of gas explosions in Oklahoma's coal mines.
Description of Resource: This stone and brick air shaft opening is approximately 3' high and 3' square.

Property Name: Bolen-Darnall Coal Co. Slope Mine #5
Resource Name: Same
Address: 2 miles Southwest of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 9, NE4 of NE4 of NE4
Year Built: Unknown
Significance Description: This is an example of an independently owned, non-railroad mining operation that represents the role of mid-size companies in the development of the Oklahoma coal industry.
Description of Resource: This site consists of dump piles, large wood ties, and metal work scattered around in an approximately 10 acre area.

Property Name: Stevenson Slope Mine Site
Resource Name: Same
Address: 2 miles Southwest of Haileyville
City: Haileyville
Vicinity: V

Range: R16E
Township: T4N
Section: Sec 9, SE4 of NE4 of NE4
Year Built: Unknown
Significance Description: This is an example of the small operations that dotted the Pittsburg County landscape during the 1890-1930 period.
Description of Resource: A dump pile approximately 50' X 100' is all that remains of this mine.

Property Name: Tatum Slope Mine Site
Resource Name: Same
Address: 3 miles Southwest of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T4N
Section: Sec 9, SW4 of SW4 of NE4
Year Built: Unknown
Significance Description: This is an example of a small independent slope mine operation in which miners shared profits and responsibilities.
Description of Resource: An open field approximately 10 acres in size surrounded by trees is all that remains of this reclaimed mine site.
Property Name: Cook and Jones Coal Co. Slope Mine Site
Resource Name: Same
Address: 5 1/2 miles East of Krebs
City: Krebs
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 10, SE4 of SE4 of NE4
Year Built: Unknown
Significance Description: This mine site is an example of the small independent mining operations that dotted the landscape and contributed to the development of the Oklahoma coal industry.
Description of Resource: This 100' X 100' site consists of an earthen mine mouth, sink holes, air shaft opening, and a dump pile.

Property Name: Unidentified Slope Mine Site #16
Resource Name: Same
Address: 4 1/2 miles East of Krebs
City: Krebs
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 11, SW4 of SW4 of NW4
Year Built: Unknown
Significance Description: This mine site is an example of a commercial slope mine operation that was important in the development of the Oklahoma coal industry.

Description of Resource: A water-filled concrete mine mouth and several 100' dump piles comprise this roughly 5 acre site.

Property Name: Unidentified Slope Mine Site No. 33
Resource Name: Same
Address: 0.5 mile West of Adamson
City: Adamson
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 12, SE4 of NE4 of NE4
Year Built: Unknown
Significance Description: The site is an example of a "doghole" type of coal mine that was shallow, and employed (usually) under ten workers. Sharing responsibilities, doghole miners worked seasonally, using some coal themselves and selling the rest locally.
Description of Resource: The site contains a collapsed air shaft.

Property Name: Unidentified Slope Mine Site #41
Resource Name: Same
Address: 0.6 mile West of Adamson
City: Adamson
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 12, SW4 of SE4 of NE4
Year Built: Unknown
Significance Description: This is an example of a "doghole" mine that usually employed under 10 men who shared responsibilities and profits.
Description of Resource: The site contains an engine mount and some brick boiler remains.

Property Name: Messina Coal Co. District
Resource Name: Messina Coal Co. Pocahontas #2 Slope Mine Site
Address: 4 1/2 miles East of Krebs
City: Krebs
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 13, SE4 of SW4 of SW4
Year Built: Unknown
Significance Description: This mine employed over 160 men at its peak. It is also notable for its entry in which the first 80 feet of the mine mouth is concrete. Such extravagance was rare in Oklahoma mines.
Description of Resource: This 5 acre site consists of a round stone structure that probably was a cistern, engine mounts, and the floor of an unidentifiable building, concrete tipple supports, and an intact mine mouth.

Property Name: Unidentified Strip Pit Mine Site #17
Resource Name: Same
Address: 4 1/2 miles East of Krebs
City: Krebs
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 14, SE4 of NE4 of SW4
Year Built: Unknown
Significance Description: This strip pit, part of a 1000 acre area that has been surface mined, is the largest of its kind identified in the survey. It also has been recently operational.
Description of Resource: This site, approximately 300 acres in size, consists of a water-filled strip pit pond and a large dump pile. The metal framework for the pit's haulage system remains at one end of the pit.

Property Name: Messina Coal Co. District
Resource Name: Messina Coal Co. Pocahontas #1 Slope Mine Site
Address: 4 1/2 miles East of Krebs
City: Krebs
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 14, SE4 of SW4 of SE4
Year Built: c. 1890
Significance Description: This mine flooded in 1896, but was reopened later. It was originally operated by the Kansas and Texas Coal Co.
Description of Resource: Large concrete engine mounts, a dump pile, and water-filled mine mouths remain on this site of approximately 5 acres.

Property Name: Sunshine Coal Co. Slope Mine Site
Resource Name: Same
Address: 1 mile North of Bache
City: Bache
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 17, NW4 of SW4 of NW4
Year Built: Unknown
Significance Description: This site is an example of small-scale slope mine operations that were common during the heyday, 1890-1930, of coal mining in Oklahoma.
Description of Resource: A dump pile, roughly 50 X 80 feet, but only 3 feet high, is all that remains at this site.

Property Name: Red Oak Cemetery
Resource Name: Same
Address: 1 mile East of Bache

City: Bache
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 17, SE4 of SE4 of SE4
Year Built: Unknown
Significance Description: This cemetery consists mainly of old miner's graves from the 1900-1930 period. It highlights the social and cultural impact immigrant miners had on the community.
Description of Resource: This site consists of an old cemetery with approximately 200 graves many of them miner's graves. Many Italian and Slavic names are on gravestones representing the ethnic diversity and immigrant heritage of Oklahoma's coal industry.

Property Name: Peanut Slope Mine Site
Resource Name: Same
Address: 0.1 mile North of county road, under power lines
City: Alderson
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 18, NE4 of NW4 of NW4
Year Built: Unknown
Significance Description: This site represents the role the small, independent producer played in development of Oklahoma coal mining.
Description of Resource: The site contains a caved-in slope entrance.

Property Name: No. 2 Aetna Slope Mine Site
Resource Name: Same
Address: 0.1 mile North of county road & 0.25 mile East of house
City: Alderson
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 18, NE4 of SW4 of NE4
Year Built: Unknown
Significance Description: This site represents the role small, non-railroad affiliated producers played in the development of the Oklahoma coal industry.
Description of Resource: The site contains a shale dump.

Property Name: Acme Coal Co. Slope Mine Site
Resource Name: Same
Address: 0.1 mile North of the county road
City: Alderson
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 18, NW4 of NW4 of NW4

Year Built: Unknown
Significance Description: This site represents the role the non-railroad companies played in the development of the Oklahoma coal industry.
Description of Resource: The site contains a caved-in slope entrance.

Property Name: Unidentified Strip Mine Site No. 26
Resource Name: Same
Address: Under power lines 0.1 mile North of county road
City: Alderson
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 18, NW4 of NW4 of NW4
Year Built: Unknown
Significance Description: This site represents a strip pit, the technique used to obtain coal deposits near the surface.
Description of Resource: This site of a small strip mine has been reclaimed.

Property Name: Richards & Campbell Slope Mine #5 Site
Resource Name: Same
Address: 0.1 mile North of county road & 0.1 mile East of the house
City: Alderson
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 18, NW4 of SW4 of NE4
Year Built: Unknown
Significance Description: This site represents the role the independent producer had in the development of the Oklahoma coal industry.
Description of Resource: The site contains a shale dump.

Property Name: Unidentified Strip Mine Site #27
Resource Name: Same
Address: 0.1 mile N of county road & 0.1 mile W of house
City: Alderson
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 18, SE4 of NW4 of NW4
Year Built: Unknown
Significance Description: This site represents the technique of strip mining used to extract coal seams located near the surface.
Description of Resource: The site contains a reclaimed strip mine.

Property Name: Nicholls No. 2 Slope Mine Site
Resource Name: Same

Address: 0.1 mile North of county rd., under power lines
City: Alderson
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 18, SE4 of NW4 of NW4
Year Built: Unknown
Significance Description: The site is representative of the role independent coal producers played in developing mining in Oklahoma.
Description of Resource: The site contains a large shale dump and remains of engine mounts.

Property Name: Richards-Thompson Slope Mine Site
Resource Name: Same
Address: 0.1 mile North of the county road; North of house and barn.

City: Alderson
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 18, SW4 of NE4 of NW4
Year Built: Unknown
Significance Description: This site represents the role independent coal producers played in the development of the coal industry in Oklahoma.
Description of Resource: The site contains an airshaft and a collapsed mine entrance.

Property Name: Rock Island Improvement Co. District
Resource Name: Mine Building
Address: 0.5 mile E of Alderson & 0.3 mile N of US 270
City: Alderson
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 18, SW4 of SW4 of SW4
Year Built: Unknown
Significance Description: The building is a rare example of coal company buildings. This example typifies a pay-house, where miners deposited their coal tags to be recorded and tallied to calculate pay.
Description of Resource: This building is a small rectangular structure with seven windows on the South elevation, and one each on the East and West elevations. The building is board and batten.

Property Name: J.V. SSS Co. 1909 Site
Resource Name: Same
Address: 0.7 mile E of Alderson & 0.3 mile N of US 270
City: Alderson
Vicinity: V

Range: R16E
Township: T5N
Section: Sec 19, NE4 of NW4 of NW4
Year Built: Unknown
Significance Description: The site represents something possibly important to the coal mines in the area, perhaps a coal company.
Description of Resource: This site is a small sandstone monument/marker that has been inscribed to read "JV SSS Co 1909"

Property Name: Rock Island Improvement Co District
Resource Name: Rock Island Improvement Co. #37 Slope Mine Site
Address: 0.8 miles E of Alderson on US 270 & 0.3 miles N
City: Alderson
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 19, NW4 of NW4 of NW4
Year Built: 1901
Significance Description: The site was opened by an affiliate of a major railroad company; it represents the important relationship the railroads had in the development of coal mining in the region.
Description of Resource: The site contains several engine mounts.

Property Name: Unidentified Strip Mine Site #38
Resource Name: Same
Address: 0.5 miles E of Alderson & 0.3 miles N of US 270
City: Alderson
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 19, NW4 of NW4 of NW4
Year Built: Unknown
Significance Description: The site is representative of a strip pit mining operation that was used to extract coal deposits located near the surface.
Description of Resource: The site contains a strip pit filled with water, approximately one-tenth of one mile in length.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Island Improvement Co #6 Shaft Mine Site
Address: 0.2 mile Southwest of Bache on the Rock Island/ Pacific Railroad
City: Bache
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 19, SW4 of SE4 of NE4
Year Built: 1901
Significance Description: The site is an example of a shaft mine that

was opened by an affiliate of a major railroad. It represents the role of the railroad in the development of the Oklahoma coal industry.
Description of Resource: The site contains an engine mount converted to a storage facility, a shale dump, a caved-in shaft, and an abandoned strip mine.

Property Name: Milby and Dow Coal and Mining Co. District
Resource Name: Milby and Dow Slope Mine #10 Site
Address: 2 miles East of Bache
City: Bache
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 21, SW4 of SW4 of NE4
Year Built: Unknown
Significance Description: This mine site is an example of the mid-sized, independent, non-railroad, mining operation, that played an important role in the development of the Oklahoma coal industry.
Description of Resource: The site consists of a 20 acre dump pile which has mostly been hauled away and a single concrete support. The large size of the dump pile indicates that this was a very sizeable operation.

Property Name: Milby and Dow Coal and Mining Co. District
Resource Name: Milby and Dow slope Mine #5 Site
Address: 2 1/2 miles East of Bache
City: Bache
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 22, NE4 of NW4 of SW4
Year Built: Unknown
Significance Description: This mine site is an example of a mid-size, independent mining operation. The company developed the town of Dow at the turn of the century.
Description of Resource: Concrete mounts and a set of coal car wheels are all that remain on this 10 acre site.

Property Name: Milby and Dow Coal and Mining Co. District
Resource Name: Milby and Dow Slope Mine #2 Site
Address: 1 mile North of Dow
City: Dow
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 22, NE4 of SW4 of SE4
Year Built: Unknown
Significance Description: This mine site is an example of a mid-sized, multi-mine, independent, non-railroad operation that had an important role in the development of the Oklahoma coal industry.

Description of Resource: This 1 acre site consists of a pond covering the mine mouth, a sinkhole, a small diameter pipe air shaft, and concrete and stone supports of an unidentifiable nature.

Property Name: Smith Slope Mine Site
Resource Name: Same
Address: 1 mile Northeast of Dow
City: Dow
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 22, SE4 of SE4 of SE4
Year Built: Unknown
Significance Description: This mine site is an example of a small-scale slope mine operation in which miners joined together to share both profits & responsibilities.
Description of Resource: A dump pile approximately 10' X 30', but only 2 feet high, is all that remains at this site.

Property Name: Boatright Slope Mine Site
Resource Name: Same
Address: 1/2 mile Northeast of Dow
City: Dow
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 26, NE4 of SW4 of NW4
Year Built: Unknown
Significance Description: This is an example of a small-scale, independent, slope mining operation. In such operations miners shared profits and responsibilities.
Description of Resource: A small 2 or 3 acre dump pile and partially covered-over mine mouth that is also flooded are all that remain on this site.

Property Name: Unidentified Slope Mine Site #18
Resource Name: Same
Address: 1 mile Northeast of Dow
City: Dow
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 26, NW4 of NW4 of NW4
Year Built: Unknown
Significance Description: This site is an example of a small-scale slope mining operation. This was the most common mine type in the Oklahoma coal belt.
Description of Resource: This site consists of an overburden pile roughly 50 X 30 feet and a small dump pile approximately 20 feet high.

Property Name: Milby and Dow Coal and Mining Co. District
Resource Name: Milby and Dow Slope Mine #1 Site
Address: 1/2 mile East of Dow
City: Dow
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 26, NW4 of SE4 of SW4
Year Built: 1898
Significance Description: This mine site is an example of the mid-size independent, non-railroad mining company operations. The company founded the town of Dow at the turn of the century.
Description of Resource: This site consists of an abandoned earthen mine mouth which has been converted into a storm cellar. The back end of a delivery truck has been inserted into the mine mouth to form the cellar.

Property Name: Smith and Lawson Slope Mine Site
Resource Name: Same
Address: 1/2 mile Northeast of Dow
City: Dow
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 26, SE4 of NW4 of NW4
Year Built: Unknown
Significance Description: This mine site is example of a small-scale slope mining operation. In such mines, miners shared profits and responsibilities.
Description of Resource: This 10 acre site consists largely of a ravine where coal was stripped and a 100 yd. long overburden pile that is approximately 30 feet high.

Property Name: Milby and Dow Coal and Mining Co. District
Resource Name: Milby and Dow Shaft Mine #2 Site
Address: 1 mile North of Dow
City: Dow
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 27, NE4 of NE4 of NW4
Year Built: 1902
Significance Description: This mine site is an example of a relatively rare shaft mine. Only around a third of Oklahoma's coal mines were shaft mines.
Description of Resource: Two concrete engine mounts are the only remaining evidence of a mine on this site.

Property Name: Milby and Dow Coal and Mining Co. District
Resource Name: Milby and Dow Shaft Mine #9 Site

Address: 1/2 mile West of Dow
City: Dow
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 27, NE4 of SW4 of SE4
Year Built: Unknown
Significance Description: This mine was one of many operated by the Milby and Dow Coal and Mining Co. It also is an example of the relatively rare shaft mine. Only 1/3 of Oklahoma's mines were shaft mines.
Description of Resource: This 20 acre site consists of a mine mouth, probably concrete, which is mostly covered over with earth. Concrete supports for the steam engine and the tipple still exist, as does a 10 acre dump pile area, although much of it has been hauled away.

Property Name: Pittsburg Co. Coal Co. Slope Mine #5 Site
Resource Name: Same
Address: 5 miles East of Krebs
City: Krebs
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 3 SW4 of SE4 of SW4
Year Built: Unknown
Significance Description: This mine site is an example of the mid-size commercial operations that were important in the development of the Oklahoma coal industry.
Description of Resource: Dump pile remnants and concrete floor of a washroom, approximately 30' X 20', are all that remain at this site.

Property Name: John R. LeBosquet #2 Slope Mine Site
Resource Name: Same
Address: 6 miles Northwest of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 31, SE4 of NW4 of NW4
Year Built: Unknown
Significance Description: This mine site is an example of mid-size, independent, non-railroad operations that were important in the development of the Oklahoma coal industry.
Description of Resource: A flooded earthen mine mouth and dump pile approximately 50' high and 5 acres in size, are all that remain at this site.

Property Name: Hailey-Ola Coal Co. District
Resource Name: Hailey-Ola Shaft Mine #1 Site

Address: 1/4 mile North of Haileyville
City: Haileyville
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 35, SW4 of SE4 of SE4
Year Built: Unknown
Significance Description: This mine is an example of a company town mine. The town of Haileyville developed as a result of the company's mines in the vicinity. The mine is also an example of the relatively rare shaft mine.
Description of Resource: The site consists of concrete foundation mounts for a steam engine and tipple, and a concrete air shaft 3 feet high and 4 feet in diameter, approximately 30 yards Southeast of mounts.

Property Name: Rock Island Improvement Co. District
Resource Name: rock Island Shaft Mine #8 Site
Address: 1 mile North of Hartshorne
City: Hartshorne
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 36, SE4 of NE4 of SE4
Year Built: 1902
Significance Description: This was one of the largest Rock Island Improvement Co. mines in the district at one time. The site is an example of a shaft mine opened by an affiliate of a major railroad. It played a major role in the development of the Oklahoma coal industry.
Description of Resource: The site consists of concrete steam engine mounts and a dirt mound over a concrete foundation that most likely is the mine mouth.

Property Name: Unidentified Slope Mine Site #12
Resource Name: Same
Address: 5 miles East of Krebs
City: Krebs
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 4, SE4 of SE4 of SW4
Year Built: Unknown
Significance Description: This site is an example of the commercial slope mine operation that is characteristic of many of Oklahoma's coal mines.
Description of Resource: A railroad rail in its original position and an adjacent 30' dump pile are all that remain of this mine.

Property Name: Unidentified Slope Mine Site #13
Resource Name: Same

Address: 5 miles East of Krebs
City: Krebs
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 4, SW4 of SE4 of SW4
Year Built: Unknown
Significance Description: This mine site is an example of the mid-size commercial slope mines that played an important role in the development of the Oklahoma coal industry.
Description of Resource: The site consists of concrete supports only, which most likely are engine mounts and a tipple foundation.

Property Name: Carbon Coal Co. District
Resource Name: Carbon Coal Co. Slope Mine #9 Site
Address: 5 miles East of Krebs
City: Krebs
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 4, SW4 of SW4 of SE4
Year Built: Unknown
Significance Description: This mine is an example of medium-sized, independent, non-railroad operations that played an important role in the development of the Oklahoma coal industry.
Description of Resource: The site consists of a dump pile, concrete engine mounts, and remnants of two brick buildings. An old railroad bed rests right beside the site.

Property Name: Unidentified Slope Mine Site #14
Resource Name: Same
Address: 4 1/2 miles East of Krebs
City: Krebs
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 4, SW4 of SW4 of SW4
Year Built: Unknown
Significance Description: This mine site is an example of the small, private commercial operations that played an important role in the development of the Oklahoma coal industry.
Description of Resource: The site consists of a dump pile only. The relatively small size of the pile, 10' high, 30' long, indicates the mine was most likely a small private operation.

Property Name: Carbon Coal Co. District
Resource Name: Carbon Coal Co. Slope Mine #2 Site
Address: 3 miles East of Krebs
City: Krebs

Vicinity: V
Range: R16E
Township: T5N
Section: Sec 5, SE4 of SW4 of SW4
Year Built: Unknown
Significance Description: This mine site is an example of a medium-sized, independent, non-railroad operation that was important in the development of the Oklahoma coal industry.
Description of Resource: A dump pile approximately 25' high beside old railroad grade is found at this site.

Property Name: Unidentified Strip Mine Site #15
Resource Name: Same
Address: 5 miles East of Krebs
City: Krebs
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 5, SW4 of SW4 of SE4
Year Built: Unknown
Significance Description: This mine site is an example of a strip pit operation and represents the final phase of the Oklahoma coal industry.
Description of Resource: The site consists of a strip pit approximately 30 ft. wide and 100 yards long. An overburden pile acts as a dam for the strip pit which has filled with water.

Property Name: Carbon Coal Co. District
Resource Name: Carbon Coal Co. Slope Mine #1 Site
Address: 3 miles East of Krebs
City: Krebs
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 6, SW4 of SE4 of SW4
Year Built: Unknown
Significance Description: This site is an example of a mid-sized, independent, non-railroad mining operation that played an important role in the development of the Oklahoma coal industry.
Description of Resource: This site consists of a former slope mine that was later strip mined. Only a strip pond, approximately 5 acres in size, remains.

Property Name: Carbon Coal Co. District
Resource Name: Carbon Coal Co. Slope Mine #50 Site
Address: 3 miles East of Krebs
City: Krebs
Vicinity: V
Range: R16E
Township: T5N

Section: Sec 6, SW4 of SW4 of SE4
Year Built: Unknown
Significance Description: This mine was initially operated by the Kansas and Texas Coal Co. and later by Lone Star Steel Co.
Description of Resource: A small air shaft opening of poured concrete and a small sandstone building that might have been a toolshed or storage building are found at this site.

Property Name: Carbon Coal Co. District
Resource Name: Carbon Coal Co. Slope Mine #5 Site
Address: 4 miles East of Krebs
City: Krebs
Vicinity: V
Range: R16E
Township: T5N
Section: Sec 8, NW4 of NW4 of NE4
Year Built: Unknown
Significance Description: This site was once a major mine in the county. It also was a mine training center for a period of time. Now it is the location of the mine reclamation office of Oklahoma Department of Mines.
Description of Resource: This site consists of a brick administration building, a wheelhouse, showerhouse, shed, dump pile, concrete supports, and an old continuous miner. The administration building has an irregular cross-gabled roof covered with corrugated metal and exposed wood rafters. The concrete porch is supported by five wooden piers. The front elevation's main entrance has a flush metal door and two window openings with double hung windows.

Property Name: Unidentified Strip Mine Site #24
Resource Name: Same
Address: South of the East-West county road in NW4 of SW4 of Sec 30
City: Krebs
Vicinity: V
Range: R16E
Township: T6N
Section: Sec 30, NW4 of SW4
Year Built: Unknown
Significance Description: This site is representative of a strip pit operation, which was used selectively as an adaption to places where coal seams were located near the surface.
Description of Resource: Originally a wagon mine, this site has been extensively strip mined and reclaimed.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Island Slope Mine #42 Site
Address: 2 miles East of Hartshorne
City: Hartshorne
Vicinity: V

Range: R17E
Township: T4N
Section: Sec 4, NW 4 of SE 4 of SW 4
Year Built: Unknown
Significance Description: This railroad slope mine represents the role of railroads in the development of the coal industry in Oklahoma.
Description of Resource: This site consists of a bulldozed over mine opening plus 10 acre dump pile. Timbers, rails and air shaft holes are inter-mixed with the dump piles.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Island Unidentified Slope Mine Site #1
Address: 2 miles East of Hartshorne
City: Hartshorne
Vicinity: V
Range: R17E
Township: T4N
Section: Sec 4, NE4 of SE4 of SE4
Year Built: Unknown
Significance Description: This is an example of a railroad-affiliated slope mine, and thus is associated with the role of railroads in the development of the Oklahoma coal industry.
Description of Resource: The 100' X 100' site is bulldozed, so only a small amount of coal is visible in a scraped-clean area surrounded by woods.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Island Unidentified Slope Mine Site #2
Address: 2 miles East of Hartshorne
City: Hartshorne
Vicinity: V
Range: R17E
Township: T4N
Section: Sec 4, NW4 of SE4 of SE4
Year Built: Unknown
Significance Description: This railroad slope mine represents the role of railroads in the development of the Oklahoma coal industry.
Description of Resource: The 50' X 50' site consists of a scrapped-clean area surrounded by woods. The remnants of a dump pile are visible.

Property Name: Rock Island Improvement Co.
Resource Name: Rock Island Slope Mine #24 Site
Address: 2 miles East of Hartshorne
City: Hartshorne
Vicinity: V Unknown
Range: R17E
Township: T4N
Section: Sec 4, NW4 of SE4 of SE4

Year Built: Unknown
Significance Description: This railroad slope mine represents the important role railroads had in the development of the Oklahoma coal industry.
Description of Resource: The site consists of 30' X 100' dump pile with timber pilings sticking out of the ground. The site is bisected by a power line right of way.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Island Slope Mine #19 Site
Address: 1 mile East of Hartshorne
City: Hartshorne
Vicinity: V
Range: R17E
Township: T4N
Section: Sec 5, SE4 of SE4 of SE4
Year Built: Unknown
Significance Description: This slope mine site represents the role railroads had in the development of the coal industry in Oklahoma.
Description of Resource: The reclaimed site is 100' X 150' and is bulldozed over with little or no coal visible. Several pine trees are planted on the site. There is a tree-covered ridge above the site, a meadow below and to the sides.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Island Shaft Mine #7 Site
Address: 1 mile East of Hartshorne
City: Hartshorne
Vicinity: V
Range: R17E
Township: T4N
Section: Sec 5, SW4 of NE4 of NE4
Year Built: 1902
Significance Description: This major Rock Island Railroad mine was active from the turn of the century to the Great Depression.
Description of Resource: The site, an abandoned shaft, consists of concrete blocks left from a powerhouse, remnants of several buildings, and a mule water trough. A 10 acre pond has developed over subsidence next to site. Highway 270 also cuts across the site.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Island Slope Mine #11 Site, 3rd Entry
Address: 1/4 mile South of Hartshorne
City: Hartshorne
Vicinity: V
Range: R17E
Township: T4N
Section: Sec 7, NE4 of SE4 of NW4
Year Built: Unknown

Significance Description: The site is an example of a slope mine that was opened by an affiliate of a major railroad. Therefore, it represents the role railroads played in the development of the Oklahoma coal industry.
Description of Resource: A single piece of stone and concrete is all that remains on this site. Therefore, it is impossible to determine what the foundation supported.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Island Slope Mine #11, 1st Entry
Address: 1/2 mile South of Harthshorne
City: Hartshorne
Vicinity: V
Range: R17E
Township: T4N
Section: Sec 7, NE4 of SW4 of NW4
Year Built: Unknown
Significance Description: The site is an example of a slope mine that was opened by an affiliate of a major railroad. Therefore, it represents the role railroads played in the development of the Oklahoma coal industry.
Description of Resource: The 100' X 150' site consists of foundation blocks and a rock covered air shaft opening.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Island Slope Mine #11, 2nd Entry
Address: 1/2 mile South of Hartshorne
City: Hartshorne
Vicinity: V
Range: R17E
Township: T4N
Section: Sec 7, NE4 of SW4 of NW4
Year Built: Unknown
Significance Description: The site is an example of a slope mine that was opened by an affiliate of a major railroad. Therefore, it represents the role railroads played in the development of the Oklahoma coal industry.
Description of Resource: The only evidence of mine is the entrance partially covered with debris. The site is in a ravine just behind a row of houses.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Island Slope Mine #11, 4th Entry
Address: 1/4 mile South of Hartshorne
City: Hartshorne
Vicinity: V
Range: R17E
Township: T4N
Section: Sec 7, NW4 of SW4 of NE4

Year Built: Unknown
Significance Description: The site is an example of a slope mine that was opened by an affiliate of a major railroad. Therefore, it represents the role railroads played in the development of the Oklahoma coal industry.
Description of Resource: The site consists of a small 30' X 50' dump pile with no mine opening evident.

Property Name: Unidentified Slope Mine Site #1
Resource Name: Same
Address: 3/4 mile East of Hartshorne
City: Hartshorne
Vicinity: V
Range: R17E
Township: T4N
Section: Sec 8, NE4 of NE4 of NE4
Year Built: Unknown
Significance Description: This mine site is an example of the small-scale mine operations that dotted the landscape of Pittsburg County.
Description of Resource: A 100' X 150' bulldozed area with remnants of a dump pile still visible are the only remaining traces of the mine.

Property Name: Unidentified Slope Mine Site #2
Resource Name: Same
Address: 1/2 mile Southeast of Hartshorne
City: Hartshorne
Vicinity: V
Range: R17E
Township: T4N
Section: Sec 8, NE4 of NW4 of NE4
Year Built: Unknown
Significance Description: This mine site is typical of the many small mining operations that dotted the landscape of Pittsburg County during the coal mining era.
Description of Resource: A large, 100' high dump pile still exists on this site. Concrete support blocks with iron embedded are located 25 yards down the hillside from the dump pile. These apparently are the remains of a tipple.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Island slope Mine #22 Site
Address: 1/2 mile Southeast of Hartshorne
City: Hartshorne
Vicinity: V
Range: R17E
Township: T4N
Section: Sec 8, SW4 of NW4 of NW4
Year Built: Unknown

Significance Description: The site is an example of a slope mine that was opened by an affiliate of a major railroad. Therefore, it represents the role railroads played in the development of the Oklahoma coal industry.
Description of Resource: This site consists of a 50' X 100' dump pile about 50 yards off road.

Property Name: Unidentified Slope Mine Site #21
Resource Name: Same
Address: 2 miles South of Adamson
City: Adamson
Vicinity: V
Range: R17E
Township: T5N
Section: Sec 19, SE4 of SE4 of NE4
Year Built: Unknown
Significance Description: This mine site is an example of medium-scale operations. These independent, non-railroad mines were important in the development of the Oklahoma coal industry.
Description of Resource: This site consists of 50' long and 10' high dump pile, a round poured concrete air shaft 4' high and 3' across, and concrete engine mounts.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Isladn Shaft Mine #12 Site
Address: 2 1/2 miles Northeast of Hartshorne
City: Hartshorne
Vicinity: V
Range: R17E
Township: T5N
Section: Sec 29, NE4 of NE4 of SE4
Year Built: Unknown
Significance Description: The site is an example of a shaft mine that was opened by an affiliate of a major railroad. It represents the role railroads played in the development of the Oklahoma coal industry.
Description of Resource: This site consists of a round poured concrete fan house, 10' high and 30' across. It also contains concrete and iron engine supports, the brick foundation for what appears to have been a tipple or engine house, and a dump pile, approximately 30' wide.

Property Name: Holy Rosary Cemetery
Resource Name: Same
Address: 1/2 mile North of Hartshorne
City: Hartshorne
Vicinity: V
Range: R17E
Township: T5N
Section: Sec 31, NE4 of NE4 of SW4
Year Built: Unknown

Significance Description: Many old miner's graves are found in this cemetery. Many Italian names and several Russian Orthodox gravestones represent the cultural impact miners had on the community.
Description of Resource: This site consists of old Catholic and Russian Orthodox gravestones in a cemetery containing approximately 1000 graves. The cemetery is approximately 1/4 mile wide and 1/2 mile long.

Property Name: Elmwood Cemetery
Resource Name: Same
Address: 1/2 mile North of Hartshorne
City: Hartshorne
Vicinity: V
Range: R17E
Township: T5N
Section: Sec 31, NE4 of NW4 of SW4
Year Built: Unknown
Significance Description: There are many old miner's graves in this cemetery indicating the strong influence mining had on the community and its culture.
Description of Resource: Old Catholic gravestones dominate this cemetery which has approximately 100 graves. It is 1/4 mile square.

Property Name: Rock Island Improvement Co. District
Resource Name: Rock Island Shaft Mine #10 Site
Address: 3 miles Northeast of Hartshorne
City: Hartshorne
Vicinity: V
Range: R17E
Township: T5N
Section: Sec 33, NE4 of NW4 of SE4
Year Built: Unknown
Significance Description: In addition to representing the link between coal mining and railroads, this particular mine lent its name to a nearby local miners' community (Number Ten) and a mountain. Hundreds of men worked in this mine during the 1910s.
Description of Resource: This site consists of a dump pile, mostly gone, a mine shaft covered with concrete, and remnants of the dump pile, a concrete air shaft, and concrete engine mounts.

Property Name: Sukenis Coal Co. Slope Mine Site
Resource Name: Same
Address: 1 1/2 miles East of Adamson
City: Adamson
Vicinity: V
Range: R17E
Township: T5N
Section: Sec 4, NE4 of SW4 of SE4
Year Built: Unknown
Significance Description: This mine site is an example of a non-railroad, independent operation. Such mines played an important

role in the development of the Oklahoma coal industry.
Description of Resource: A 200'dump pile, covered over mine mouth, concrete tipple supports, engine mounts and abandoned railroad right of way are found at this 10 acre site.

Property Name: Adamson Coal Co. District
Resource Name: Adamson Coal Co. Slope Mine #7 Site
Address: 1/2 mile North of Adamson
City: Adamson
Vicinity: V
Range: R17E
Township: T5N
Section: Sec 6, SE4 of SE4 of SE4
Year Built: Unknown
Significance Description: This mine site is an example of a non-railroad, multi-mine, independent operation. Such mines were important in the development of the Oklahoma coal industry.
Description of Resource: This site consists of 40' long and 10' high and stone and iron supports, probably for a steam engine.

Property Name: Adamson Coal Co. District
Resource Name: Adamson Coal Co. Mullins Shaft Mine Site
Address: 1/2 mile North of Adamson
City: Adamson
Vicinity: V
Range: R17E
Township: T5N
Section: Sec 6, SW4 of SE4 of SE4
Year Built: Unknown
Significance Description: This mine site is an example of a mid-size, non-railroad, independent mining operation.These mines played a major role in the development of the Oklahoma coal industry.
Description of Resource: This site consists of several large dump piles, each about 60' high and covering approximately one acre.

Property Name: Unidentified Slope Mine Site #20
Resource Name: Same
Address: 1/4 mile Northwest of Adamson
City: Adamson
Vicinity: V
Range: R17E
Township: T5N
Section: Sec 7, NE4 of NE4 of NW4
Year Built: Unknown
Significance Description: This slope mine site is an example of a small-scale operation. These mines played a role in the development of the Oklahoma coal industry.
Description of Resource: This site consists of a stone foundation and structure, approximately 5 feet high and 2 feet wide. These appear to

have been for an air shaft and fan.

Property Name: Adamson Coal Co. District
Resource Name: Adamson Coal Co. No. 3 1/2 Slope Mine Site
Address: 0.5 mile West of Adamson
City: Adamson
Vicinity: V
Range: R17E
Township: T5N
Section: Sec 7, NW4 of NW4 of SW4
Year Built: Unknown
Significance Description: The site is an example of a non-railroad, multi-mine, independently-owned operation. It represents the role of medium-sized entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: The site contains a shale dump only.

Property Name: Richards Slope Mine Site
Resource Name: Same
Address: 0.25 mile South of gravel road intersection
City: Adamson
Vicinity: V
Range: R17E
Township: T5N
Section: Sec 7, SE4 of SE4 of NE4
Year Built: Unknown
Significance Description: This slope mine is an example of an independent operation that collapsed on Sept. 4, 1914 killing 14 mine workers. It is representative of the dangerous working conditions and high fatality rate associated with Oklahoma coal mining.
Description of Resource: The site contains a large concrete slab slope entrance and monument for those killed in accident. The monument lists the names of fourteen miners killed in the roof collapse of 1914.

Property Name: Adamson Coal Co. District
Resource Name: Adamson Coal Co. No. 4 Slope Mine Site
Address: 0.25 mile Southwest of Adamson
City: Adamson
Vicinity: V
Range: R17E
Township: T5N
Section: Sec 7, SE4 of SE4 of NW4
Year Built: Unknown
Significance Description: This site is an excellent example of a large slope mine operation due to the enormous size of the mine components.
Description of Resource: The site contains a slope entrance, a very large engine mount, remains of a boiler, and a sinkhole.

Property Name: Adamson Coal Co. District
Resource Name: Adamson Coal Co. No. 5 Slope Mine Site
Address: 0.25 mile Southwest of Adamson
City: Adamson
Vicinity: V
Range: R17E
Township: T5N
Section: Sec 7, SE4 of SW4 of NE4
Year Built: Unknown
Significance Description: The site is an example of a non-railroad, multi-mine, independently-owned operation. It represents the role of medium-sized entrepreneurship in the development of the Oklahoma coal industry.
Description of Resource: The site contains a reclaimed slope mine and a shale dump.

Property Name: Adamson Coal Co. District
Resource Name: Adamson Coal Co. No. 3 Slope Mine Site
Address: 0.5 West of Adamson
City: Adamson
Vicinity: V
Range: R17E
Township: T5N
Section: Sec 7, SE4 of SW4 of NW4
Year Built: Unknown
Significance Description: This site is an example of a mine operated by a medium-sized company and represents the role non-railroad, multi-mine, independently owned operators played in the development of the Oklahoma coal industry.
Description of Resource: The site contains an engine mount and a shale dump.

Property Name: Unidentified Slope Mine #2 Site
Resource Name: Same
Address:1/2 mile East of Adamson
City: Adamson
Vicinity: V
Range: R17E
Township: T5N
Section: Sec 8, SE4 of SE4 of NW4
Year Built: Unknown
Significance Description: This site is an example of a small-scale slope mine operation. These mines were important in the development of the Oklahoma coal industry.
Description of Resource: This site consists of a dump pile and mine mouth opening, tipple foundation, engine mounts, and concrete supports, possibly for a trestle.

Property Name: Pierce #1 Slope Mine Site

Resource Name: Same
Address: 1 1/2 miles East of Adamson
City: Adamson
Vicinity: V
Range: R17E
Township: T5N
Section: Sec 9, SE4 of SE4 of NW4
Year Built: Unknown
Significance Description: This mine is an example of a non-railroad, independent operation. The mine is also an example of earthen mine mouth where no timbers are used for support.
Description of Resource: The site consists of an extant earthen mine mouth, having no supports or pilings, and a dump pile approximately 40'across and 2' high.

Property Name: Eclipse Slope Mine Site
Resource Name: Same
Address: 1 1/2 miles East of Adamson
City: Adamson
Vicinity: V
Range: R17E
Township: T5N
Section: Sec 9, SE4 of SW4 of NW4
Year Built: Unknown
Significance Description: This mine site is an example of a non-railroad, independent operation. These mines were important in the development of the Oklahoma coal industry.
Description of Resource: The earthen mine mouth at this site remains intact, but has no supports or pilings. The site also contains concrete engine mounts and a 30' wide dump pile.

PREDICTIVE MODEL DOCUMENT

INTRODUCTION

During the last two decades, the use of predictive models has become commonplace in archeology. The advantages of determining with a high degree of probability just where and what kind of resource may be found below the surface is self-evident. The usefulness of predictive models for locating historic resources on the surface apparently has been less obvious, at least judging from their limited adaptation for such purposes. Still, models promise to facilitate the identification of such resources, especially when they are numerous, scattered across a large geographic region, and occur in relatively isolated areas. Modeling, for example, is particularly applicable for anticipating the likely location of the many coal-mining related properties throughout southeastern Oklahoma.

A predictive model consists of a simplified set of testable hypotheses. Its creation involves isolating the various components of the particular phenomenon being studied, and then hypothesizing the causative relationships between them. By studying these relationships, the conditions by which the phenomenon came into being are replicated in a rudimentary fashion. Applying these variables to similar circumstances elsewhere allows a sound prediction to be made whether the phenomenon will reoccur.

Generally, predictive models may be divided into two major types. Those containing variables or relationships which can not be measured in any replicable and reasonable manner are called intuitive models. Conversely, objective models do have variables or relationships which

may be easily measured and applied. Objective models, moreover, may be separated into three more specialized categories, the most important of which for this study is the associational model. This type of model--the one most commonly used in cultural resource management--predicts the site of resources based on where variables associated with the phenomenon coexist.

Whatever the type adopted, the model-building process remains the same (see Table). It begins with an identification of objectives, what the goals of implementing the model are. A review and study of existing data pertaining to the phenomenon is the next step. This information is collected, synthesized, and evaluated in order to identify the model variables and the relationship between them. These variables may be divided into two categories. Independent variables are those fixed by the natural or social environment, while dependent variables concern human activities impacting the subject under study. Once these are determined and their causative relationships hypothesized, the actual model may be constructed. While existing data serves as the foundation for this process, new data may be collected if deemed necessary to make the model more accurate. The resultant model is then applied to test its validity. Unless completely accurate (an extremely unlikely circumstance) it can, theoretically at least, be improved by changing the variables or respecifying the relationships between them. This may well include collecting new data and refining the model, at which point the entire process begins anew. Clearly, model-building is a dynamic exercise.

The construction of an objective-associational model for

predicting the location of coal mining related properties in Coal and Haskell Counties follows. It serves both as an illustration of the model-building process and as a tool for a future survey in that area.

A PREDICTIVE MODEL FOR COAL MINING RELATED PROPERTIES IN COAL AND HASKELL COUNTIES, OKLAHOMA

Objectives

This predictive model for locating coal mining related properties in Coal and Haskell Counties will guide the second phase of the larger survey of such properties in Management Region #4. It builds upon the data collected and analyzed in the 1988-1989 survey of coal mining properties in Pittsburg County, and the accompanying historic context document. Combined, Coal and Haskell counties cover 1140 square miles. By indicating the most likely location of often isolated historic resources scattered across this large area, the model promises to make the field survey in those counties more time- and cost-efficient.

Review of Existing Data

Information related to the history of coal mining in Management Region #4 was collected, analyzed, and interpreted in the historic context document prepared in conjunction with the Architectural/Historic Intensive Level Survey of Coal Mining Related Resources of Pittsburg County, Oklahoma. This research revealed that coal mining clearly influenced the economic, social, and cultural evolution of the region, especially between 1870 and 1920 and to a lesser degree between 1920 and 1950. More importantly for the purpose of constructing this predictive model, the history of coal mining in the region revealed four essential variables which determined where coal was exploited and, consequently,

where extant coal mining related historic resources would likely be found.

The first, and most obvious, is the physical extant of the coal deposits. Mining, of course, could occur only where coal existed. The United States Geological Survey began studying and mapping the Indian Territory coal fields during the 1890s, and several individual efforts predate the government's interest. Accordingly, just where coal was likely to be found below the surface was fairly well-known by the time J.A. Taff described the nation's southwestern coal deposits in the United States Geological Survey's 1902 Annual Report.

The physical extent of the segregated Indian coal lands is a second variable. As part of the dissolution of tribal property in the process known as allotment, the U.S. Geological Survey in 1904 recommended the segregation of nearly 500,000 acres of coal lands in the Choctaw Nation of Indian Territory. These lands, ostensibly underlain with the most commercially valuable coal, were to be sold for the future benefit of the Choctaw and Chickasaws whose tribal estate would soon be extinguished. Below market bids and, after 1920, a depression in the coal industry left much of these lands unsold. Instead, coal companies preferred to lease the most valuable tracts. Nevertheless, the segregated coal lands represented the best portions of the larger coal field.

Railroads are the third major variable in determining where coal would be mined. Throughout their mutual existence, railroads and coal enjoyed a symbiotic relationship. Roads looked to coal both for locomotive fuel and as a significant generator of freight revenue. They

also provided the market and transportation which made mining economically feasible. In Indian Territory, for example, commercial exploitation began only after the Missouri, Kansas and Texas Railroad penetrated the deposits around McAlester in 1870. Thereafter, the area of mining expanded as different roads, including the Choctaw Coal and Railway company (a predecessor of the Rock Island) and the St. Louis and San Francisco, built into the region. Many of these railroads actually mined coal through subsidiaries or greatly influenced production by affiliating with coal companies.

The final variable, known coal mines, actually represents where the other three factors came together to make mining possible. United States Geological Survey reports and maps reveal where actual mines were located in the region. In terms of the predictive model, these locations represent areas having the highest possibility of retaining extant coal mining related resources.

Model Components

THe historical influences in the development and location of coal mines in Management Region #4, as outlined above, serve as the variables for the predictive model. Once again, these include:

(1) the extant of identified coal deposits;

(2) the extent of the segregated coal lands;

(3) the right-of-ways for railroad mainlines and spurs; and,

(4) the location of known mining operations.

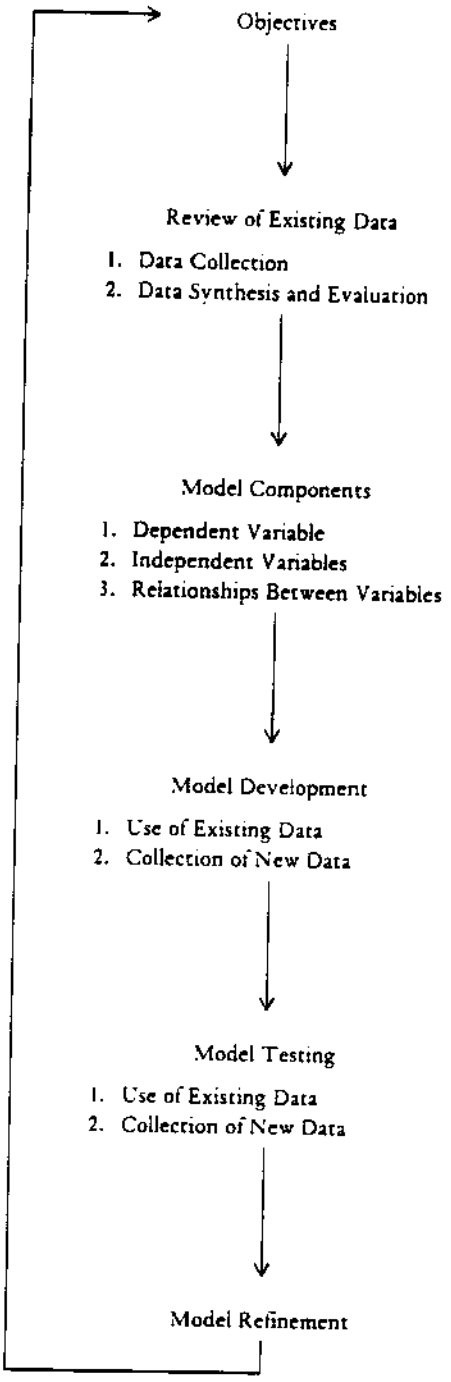
The last two of these variables are extremely temporally sensitive, meaning they likely have experienced significant changes over

time. As the nation's highway network improved, especially in the post-World War II era, railroads abandoned unprofitable spurs and segments of their main line. These included tracks in the southeastern Oklahoma coal fields. Thus, historic railroad maps, topographical maps, and a trained eye for recognizing old rail grades become important in determining where rails once reached. Similarly, after coal mining entered a period of prolonged depression after 1920, the various structures and buildings associated with a mining complex experienced considerable deterioration. In many cases, impoverished residents of the surrounding area carried off whatever was salvageable. County road crews also utilized material from dump piles in their work. More recently, federally sponsored reclamation of abandoned mine sites has included the sealing of mine entrances and the revegetation of strip pits. As a result of all these influences, most historic mining sites consist of dump piles and concrete and stone foundations scattered across an overgrown area.

Model Development

An objective-associational model, incorporating the four variables outlined above, was developed for predicting the location of coal mining related resources in Coal and Haskell Counties. A map depicting the areal distribution of each variable in Pittsburg, Coal, and Haskell County was prepared. Normally, a composite map showing where all the variables overlapped would be included. In this case, however, it was unnecessary since the map, "Distribution of Coal Mines by Township for Coal, Pittsburg, and Haskell Counties," already serves this purpose by showing where the variables came together and mining actually occurred.

THE MODEL BUILDING PROCESS

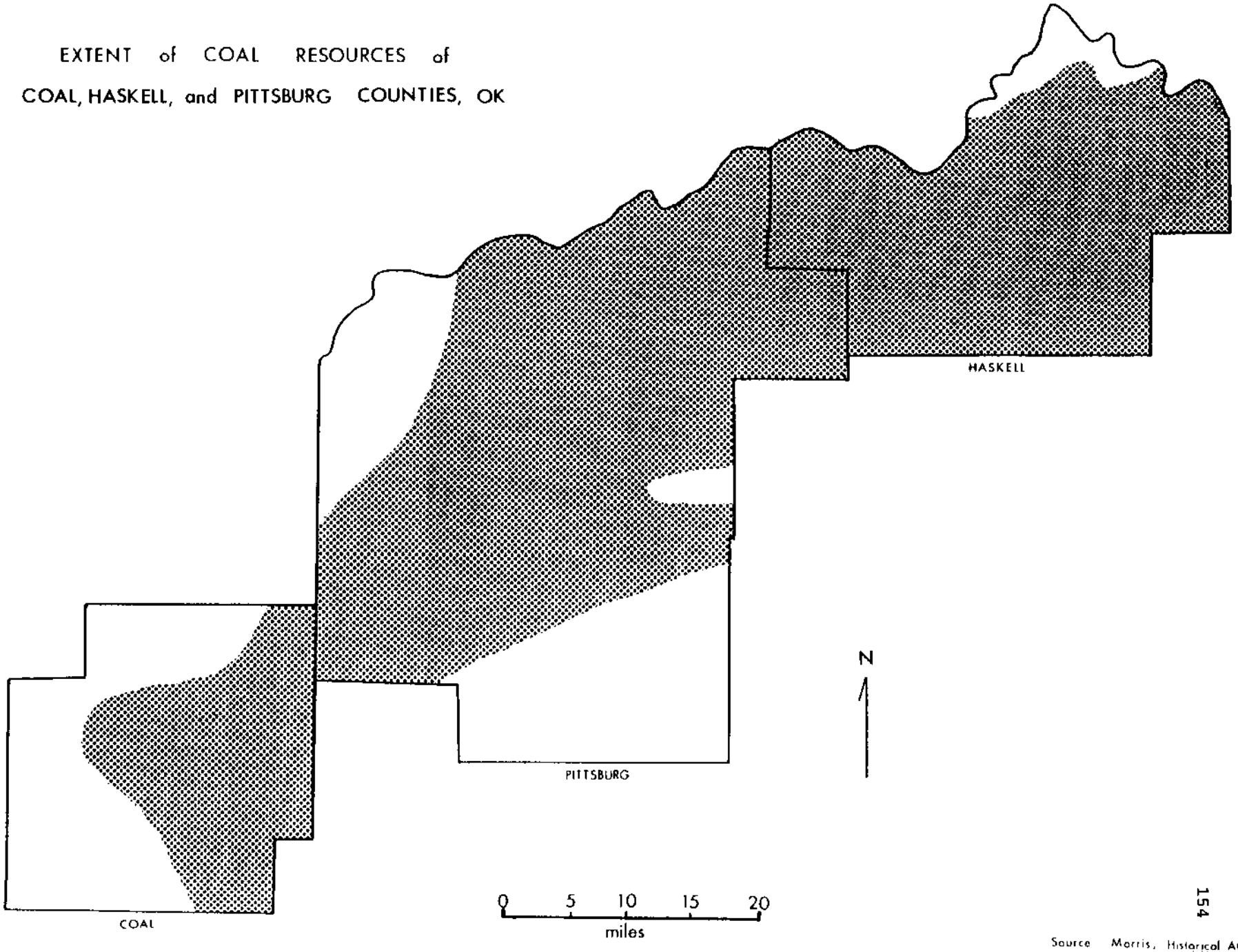


Source: W. James Judge and Lynne Sebastian, eds., Quantifying the Present and Predicting the Past: Theory, Method, and Application of Archaeological Predictive Modeling (Denver: Bureau of Land Management, 1988), 77.

The townships represented on this map determine a high-probability zone for containing coal mining related resources and will serve as the focus for a reconnaissance survey in Coal and Haskell Counties during the summer of 1990. Copies of the variable maps follow.

Obviously, the scale used in these maps makes precise utilization of the model in this form difficult. This, however, does not render it useless, since the maps are only a pictorial representation of the model components. Textual information provided the foundation for drawing the variable maps, especially the charts and tables in United States Geological Survey Bulletin 874, Geology and Fuel Resources of the Southern Part of the Oklahoma Coal Field (Washington, D.C.: Government Printing Office, 1937). Accordingly, the high probability zone may be expressed in written form as township, ranges, and even sections. The list which follows summarizes this information. It also clearly illustrates the advantages of modeling by reducing the original study area of 1140 square miles to just 76 determined highly likely to contain coal mining related historic resources. This represents a 93.3 percent reduction of the area to be surveyed.

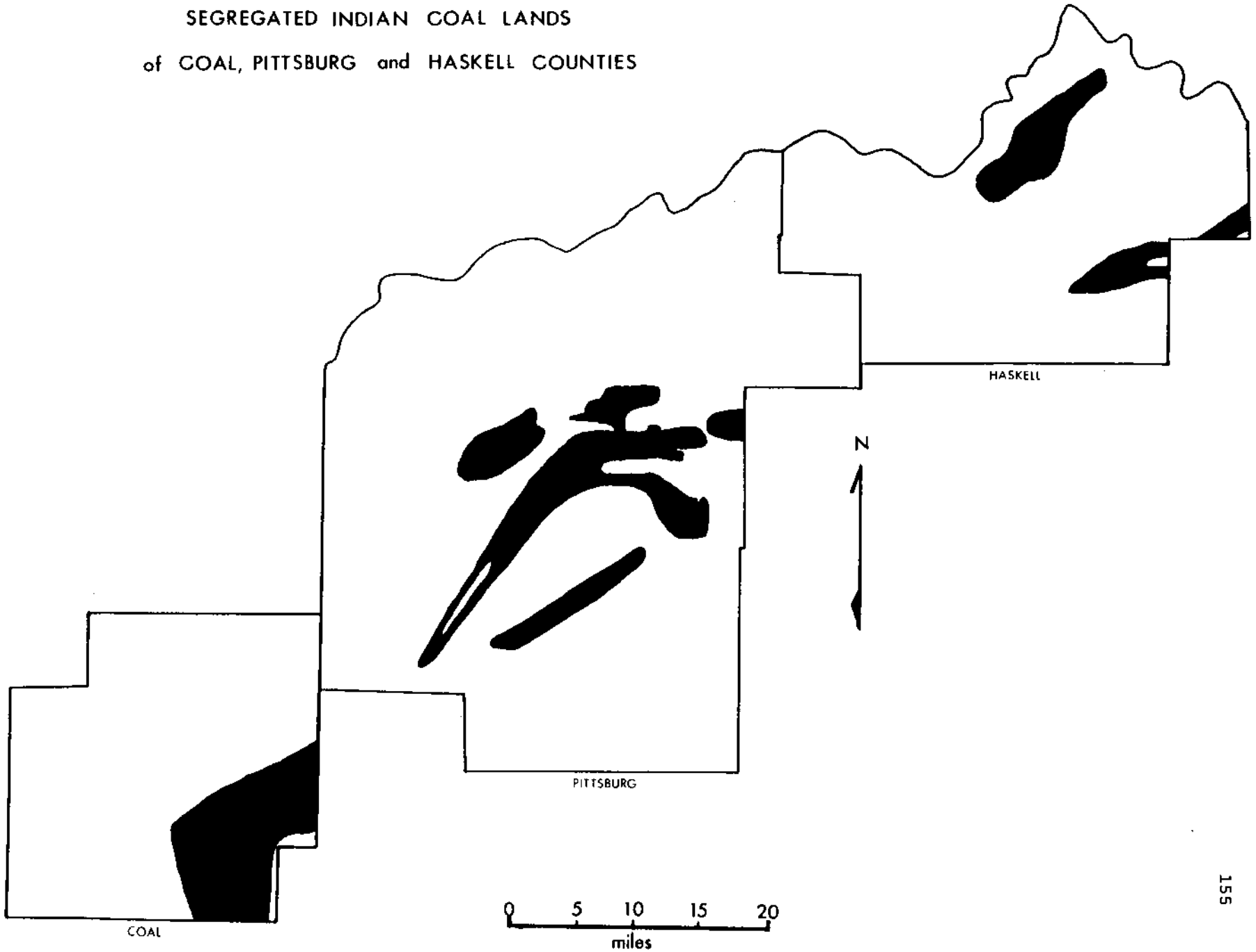
EXTENT of COAL RESOURCES of
COAL, HASKELL, and PITTSBURG COUNTIES, OK



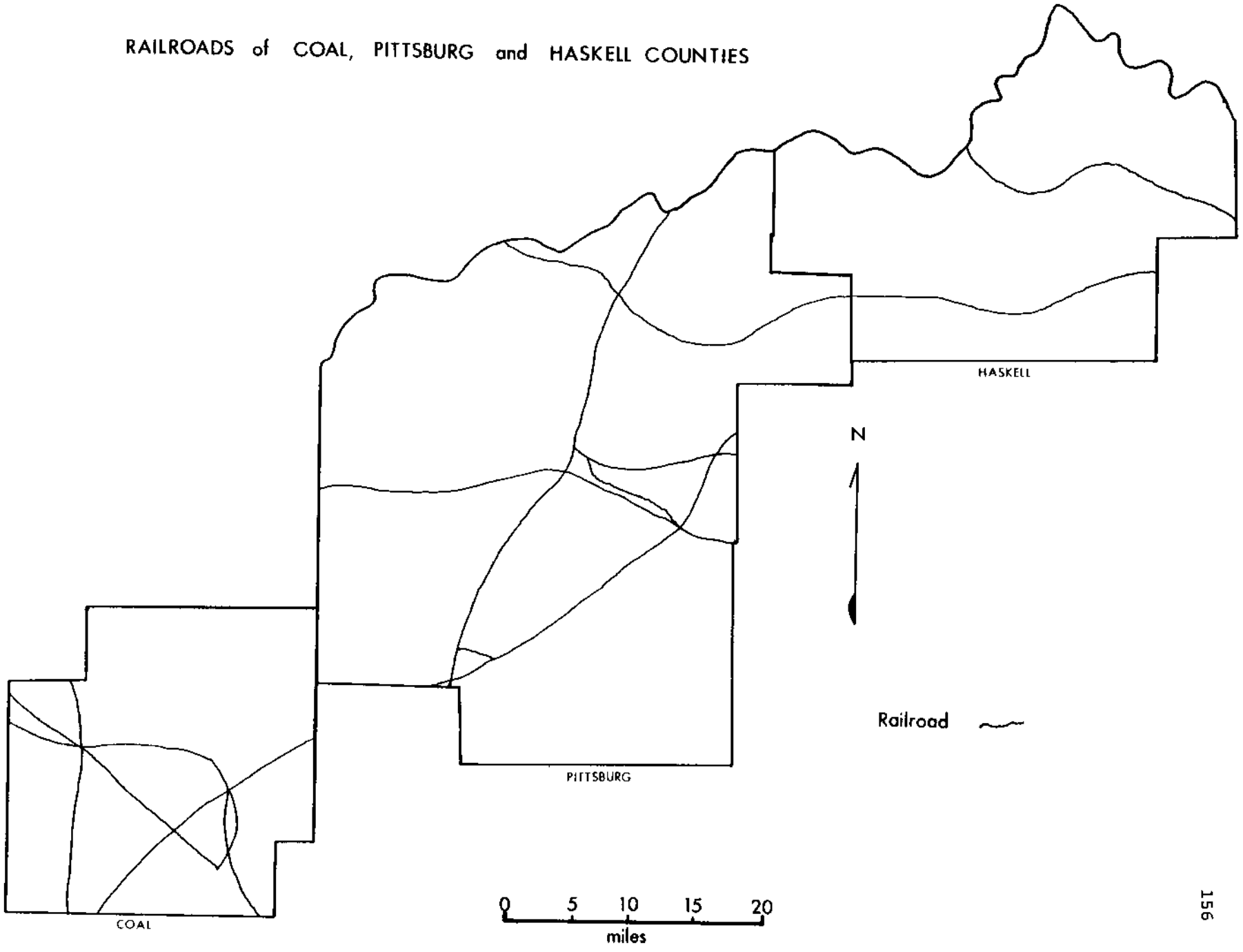
Source Morris, Historical Atlas of Oklahoma, 1976

SEGREGATED INDIAN COAL LANDS

of COAL, PITTSBURG and HASKELL COUNTIES

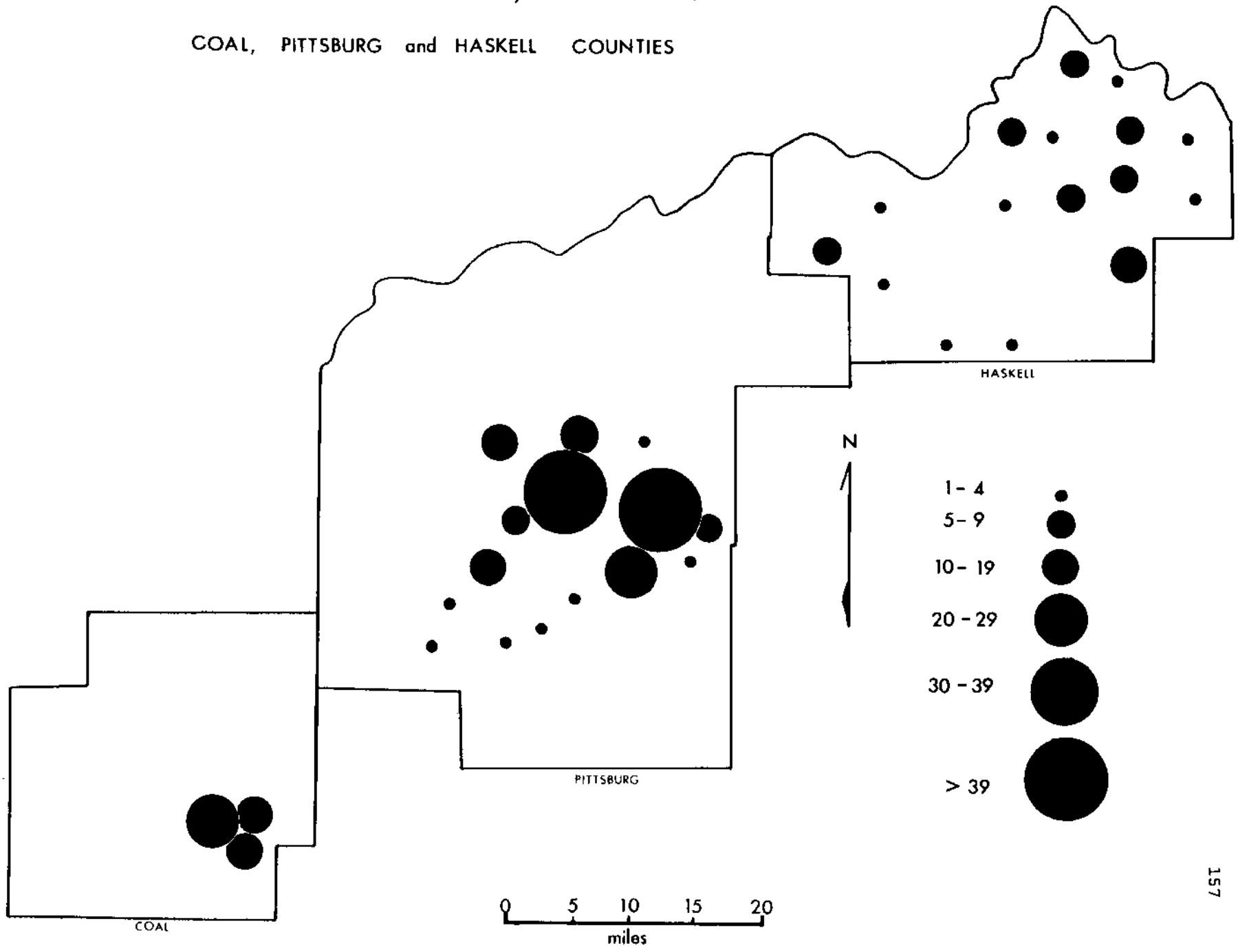


RAILROADS of COAL, PITTSBURG and HASKELL COUNTIES



DISTRIBUTION of COAL MINES by TOWNSHIP for

COAL, PITTSBURG and HASKELL COUNTIES



HIGH PROBABILITY ZONE
COAL MINING RELATED RESOURCES IN COAL AND HASKELL COUNTIES

Coal County

R10E, T1N	Sections:	13, 22, 23, 25, 27, 28, 31, 32, 35
R10E, T1S	Sections:	2, 11, 13, 14, 23, 36
R10E, T2S	Sections:	3
R11E, T1N	Sections:	7, 16, 17, 18
R11E, T2S	Sections:	6

Haskell County

R18E, T8N	Sections:	1, 11, 15
R19E, T7N		
R19E, T8N	Sections:	12
R20E, T7N	Sections:	30, 34, 35, 36
R20E, T8N	Sections:	1
R20E, T9N	Sections:	22
R21E, T8N	Sections:	17
R21E, T9N	Sections:	18, 20
R21E, T10N	Sections:	4, 5, 8, 30
R22E, T8N	Sections:	13, 23, 24, 26, 27, 33, 34
R22E, T9N	Sections:	2, 13, 14, 15, 16, 20, 21, 22, 23
R22E, T10N	Sections:	3, 4, 7, 8, 17, 24, 25, 26, 35
R22E, T11N	Sections:	19, 32
R23E, T9N	Sections:	17, 18, 19
R23E, T10N	Sections:	17

Model Testing and Refinement

The testing and refinement of the objective-associational model for coal mining related resources in Coal and Haskell Counties will occur in the summer of 1990, when a reconnaissance survey of the area will be conducted. Surveyors will concentrate their efforts in the ranges, townships, and sections identified by the model. The prospect for success appears very promising. The 1989 intensive level survey of Pittsburg County used a similar, albeit less formal, model. By doing so, it documented 175, or 66 percent, of the resources indicated in the informal modeling process.

Once the reconnaissance survey is completed, it may become necessary to refine the existing model. The predictive value of the four variables in Coal and Haskell Counties will especially require careful consideration. Any deviations will have to be noted and adjustments made to the model. Still, preliminary study suggests that they will once again have a high degree of probability in predicting the location of coal mining related resources. This, of course, does not preclude fine tuning the model in order that it may be made more effective for future use.

HISTORIC CONTEXT

COAL-MINING IN MANAGEMENT REGION #4

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ARCHITECTURAL REVIEW OF COAL-MINING RELATED PROPERTIES OF PITTSBURG COUNTY, OKLAHOMA

for Dr. Bill Bryans, Professor of History

Oklahoma State University

by Jeffrey K. Williams, AIA, Associate Professor of Architecture

Oklahoma State University

August 28, 1989

Historically, architecture has been a physical documentation of the values of a society. By observing how and where people have invested their time, resources, and spirit, we can better understand that society. While the coal-mining related properties of Pittsburg County, Oklahoma present a unique and somewhat unusual opportunity for the application of these principles, the process and results are no less valid.

The identified properties represent three different user types: (1) those related to the business of coal production (i.e. mine entrances, fan housings, payment shacks, etc.); (2) those related to the housing of the workers/miners; and (3) the support of facilities associated with the mining community (i.e. banks, commercial buildings, and religious facilities).

The properties related to the business of coal production all appear to be profit driven and utilitarian in nature. Their foundations are typically either native stone or concrete, a material which is easy to transport by rail and when dry is much easier to pack into remote areas than other permanent materials such as brick or stone. Given the abundance of water and the malleability of this material, this was a logical and economical choice. Specific examples of this situation can be cited at the mine entrance to Patterson No. 3 (Blanco), the engine mount at Buck #21 Slope Mine Site, Klondike Slope Mine site, Old Coal Loading Structure in McAlester, the concrete mounts of Hailey-Ola No. 6, and the Southern Fuel Company fan house. Building enclosures were typically wooden balloon frame construction, a product of the Industrial Revolution and characteristic of U.S. westward expansion. Wood

represents another logical and economical choice. It can be transported easily and can be installed with simple tools by unskilled workers. While many examples of this have been destroyed by age or fire, this can be illustrated by the Rock Island Improvement Company Mine Building (pay-house) and Miner Building, both in the vicinity of Alderson.

With regard to the properties directly related to coal production, there are very few structures remaining which are in a condition in which it is possible to evaluate their aesthetics. Of those remaining, there appears to be little concern for either proportioning systems or creative architectural detail. All building choices appear to be practical, utilitarian choices, thus indicating that their owners were more concerned with establishing the mine as a profitable operation. Considering the fact that there were few persons around to appreciate any investment they might make in aesthetics (the region remained Indian Territory until 1907), this is certainly understandable.

The mining communities typically rented housing to their employees, known as "company houses." Very few remains exist, certainly due to the fact of their extremely poor construction:

> They are frame structures, usually of the same size, 1-story buildings of 3 to 5 rooms being the typical company house intended for one family. Two-story houses and double houses with two kitchens for two families are less frequently seen. The rooms are of different sizes, from 12 by 12 feet to 18 by 18 feet, but the average room is about 14 by 14 feet.
>
> The dwellings are in most cases badly constructed. A cheap grade of lumber is used and the workmanship is very poor. Windows and doors are not fitted and in a short time in need of repairs. Flooring is poor and few houses are ceiled or carefully finished. . . They are frame buildings of uniform design and are usually painted a dull red, placed in a row, or several rows, according to the size of the mine and

> the number of employees. Many of these houses have no solid foundations. They are elevated from 2 to 3 feet from the ground and rest at the four corners on piles of stone or brick. In many instances window panes are out and large cracks are to be seen around the doors and windows. In cases where mines have been abandoned, houses have been moved to other localities, and this of course has greatly added to the dilapidated condition of the house. There is generally room for a garden. The water supply comes from wells, often times one well supplying several families. The closets are dry and are well removed from the dwelling. . .[68]

The housing merely provided shelter for a working class which had very little say with regard to their lifestyle. The remains illustrate a very regimented, uncreative solution to housing organization, which certainly could not help foster much pride in their community!

In some cases, the workers, immigrants of European ancestry, brought with them a strong ethnic heritage. These people were typically associated with mining areas which were near towns or larger settlements, and they chose to settle in the towns themselves. They also brought, as a part of their heritage, a sense of pride and community, which expresses itself in the third group of buildings identified in the study, the support facilities for the mining communities.

The buildings in this group are typically structures in which the impression of permanence was important: the Krebs Bank, the Pittsburg Bank, the commercial establishments of Hartshorne and Krebs, as well as St. Joseph's Catholic Church in Krebs and the Russian Orthodox Church of Hartshorne. Their materials are typically brick or stone, ensuring their durability while also illustrating an investment of their time and value. The buildings are also

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[68] Immigrants in Industries. Part I: Bituminous Coal Mining, Volume II. (Washington: Government Printing Offices, 1911), 64-65.

typically ornamented with creative details. While these are sometimes crude details architecturally, they illustrate a pride which is lacking in the other structures of the study. In the case of Krebs, even the placement of buildings in relation to one another becomes a creative act. The roads do not completely follow a pure north-south, east-west grid, but rather intersect at oblique angles, thus effecting building placement and creating an energy between the buildings which is very European. This condition continues to have a dynamic impact on the town even now that several of the buildings are abandoned. This sense of community, history and pride clearly has effected the character of the town throughout its history, and is a lesson to the purely practical approach of the rest of the study area.

In considering the study as a whole, there are no structures which merit preservation solely on architectural merit alone. But there is an interesting history in which building has participated. It is on this basis that any judgments regarding preservation should be made.