

NATIONAL REGISTER OF HISTORIC PLACES
INVENTORY - NOMINATION FORM

(Type all entries - complete applicable sections)

STATE: Missouri	
COUNTY: Franklin	
FOR NPS USE ONLY	
ENTRY NUMBER	DATE

1. NAME

COMMON: Moselle Iron Furnace Stack

AND/OR HISTORIC: 1. Moselle Iron Furnace (1850-54); 2. Furnace of the Franklin Iron Mining Co. (1855-59); 3. Moselle Iron Company (1874-75)

2. LOCATION

STREET AND NUMBER:
SE 1/4, Section 14, Township 42N, Range 1E

CITY OR TOWN:
One mile southeast of Moselle

STATE: Missouri 63067 CODE: 24 COUNTY: Franklin CODE: 071

3. CLASSIFICATION

CATEGORY (Check One)	OWNERSHIP	STATUS	ACCESSIBLE TO THE PUBLIC
District <input type="checkbox"/> Building <input type="checkbox"/>	Public <input type="checkbox"/>	Occupied <input type="checkbox"/>	Yes:
Site <input type="checkbox"/> Structure <input checked="" type="checkbox"/>	Private <input checked="" type="checkbox"/>	Unoccupied <input checked="" type="checkbox"/>	Restricted <input checked="" type="checkbox"/>
Object <input type="checkbox"/>	Both <input type="checkbox"/>	Preservation work in progress <input type="checkbox"/>	Unrestricted <input type="checkbox"/>
			No: <input type="checkbox"/>

PRESENT USE (Check One or More as Appropriate)

Agricultural <input type="checkbox"/>	Government <input type="checkbox"/>	Park <input checked="" type="checkbox"/>	Transportation <input type="checkbox"/>	Comments <input checked="" type="checkbox"/>
Commercial <input type="checkbox"/>	Industrial <input type="checkbox"/>	Private Residence <input type="checkbox"/>	Other (Specify) <input type="checkbox"/>	<u>privately</u>
Educational <input type="checkbox"/>	Military <input type="checkbox"/>	Religious <input type="checkbox"/>		<u>owned park</u>
Entertainment <input type="checkbox"/>	Museum <input type="checkbox"/>	Scientific <input type="checkbox"/>		

4. OWNER OF PROPERTY

OWNERS NAME:
Mr. and Mrs. Norman Ulrich

STREET AND NUMBER:
Route # 1

CITY OR TOWN: St. Clair STATE: Missouri 63077 CODE: 24

5. LOCATION OF LEGAL DESCRIPTION

COURTHOUSE, REGISTRY OF DEEDS, ETC:
Recorder of Deeds, ^{FRANKLIN} County Courthouse

STREET AND NUMBER:

CITY OR TOWN: Union STATE: Missouri 63084 CODE: 24

APPROXIMATE ACREAGE OF NOMINATED PROPERTY: less than one

6. REPRESENTATION IN EXISTING SURVEYS

TITLE OF SURVEY:
Missouri Historic Sites Catalogue

DATE OF SURVEY: 1963 Federal State County Local

DEPOSITORY FOR SURVEY RECORDS:
State Historical Society of Missouri

STREET AND NUMBER:
Corner, Hitt and Lowry streets

CITY OR TOWN: Columbia, STATE: Missouri 65201 CODE: 24

SEE INSTRUCTIONS

STATE: Missouri
COUNTY: Franklin
ENTRY NUMBER
DATE

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INVENTORY - NOMINATION FORM

(Continuation Sheet)

STATE	
Missouri	
COUNTY	
Franklin	
FOR NPS USE ONLY	
ENTRY NUMBER	DATE

(Number all entries)

6.

MOSELLE IRON FURNACE STACK

Missouri State Historical Survey (state)

1968

Missouri State Park Board

P.O. Box 176

1204 Jefferson Building

Jefferson City, Missouri

Code: 24

7. DESCRIPTION

CONDITION	(Check One)					
	Excellent <input type="checkbox"/>	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Deteriorated <input type="checkbox"/>	Ruins <input type="checkbox"/>	Unexposed <input type="checkbox"/>
INTEGRITY	(Check One)		(Check One)			
	Altered <input checked="" type="checkbox"/>	Unaltered <input type="checkbox"/>	Moved <input type="checkbox"/>	Original Site <input checked="" type="checkbox"/>		

DESCRIBE THE PRESENT AND ORIGINAL (If known) PHYSICAL APPEARANCE

Originally, the Moselle Iron Furnace was a cold-blast iron smelter, operated by a steam engine. This early 19th century iron works probably consisted of a charcoal house, a casting house and an engine house.

In 1867-1874, the furnace was converted from cold blast to hot-blast. The stack was raised to 34 feet, a brick and iron hot-blast oven was erected and the machinery was remolded. (Goodspeed's, History of Franklin...County, 1888, p. 210). Three boilers were added for the production of the hot-blast, each was three feet in diameter and 40 feet long (Mines, Metals, and Arts, October 8, 1874, p.243). The Moselle Iron Company owned 9,000 acres of timber land surrounding the iron works. The company also owned twenty-six log and frame houses which were occupied by the 350 employees of the works. (Mines, Metals, and Arts, October 8, 1874, p. 243).

The Furnace stack, constructed of cut stone blocks, is the only remaining evidence of the iron works. The stack is 31 feet high, with iron brace supports in the openings at the base. There are three openings, one on the east, west, and north sides. The openings on the east and west sides are for the introduction of the hot-blast, while the north side opening allows for the molten iron run-off. The furnace stack, which faces north, is built with its back to a bluff of the same height. There is evidence of railroad spur tracks on the top of the bluff. These tracks were used to transport the raw materials necessary for the iron process to the top of the furnace.

Iron ore for the furnace operation was hauled to the site from Iron Hill Bank, located in Section 17, Township 42N, Range 1E, about four miles west of the furnace. Some ore was mined from ore banks in the vicinity of the furnace.

Presently the furnace stack is within the Hillcrest Park, a privately owned picnic area, surrounded by camp houses.

SEE INSTRUCTIONS

8. SIGNIFICANCE

PERIOD (Check One or More as Appropriate)

Pre-Columbian 16th Century 18th Century 20th Century
 15th Century 17th Century 19th Century

SPECIFIC DATE(S) (If Applicable and Known) 1849-50 to 1875

AREAS OF SIGNIFICANCE (Check One or More as Appropriate)

Aboriginal <input type="checkbox"/>	Education <input type="checkbox"/>	Political <input type="checkbox"/>	Urban Planning <input type="checkbox"/>
Prehistoric <input type="checkbox"/>	Engineering <input type="checkbox"/>	Religion/Philosophy <input type="checkbox"/>	Other (Specify) <input type="checkbox"/>
Historic <input type="checkbox"/>	Industry <input checked="" type="checkbox"/>	Science <input type="checkbox"/>	_____
Agriculture <input type="checkbox"/>	Invention <input type="checkbox"/>	Sculpture <input type="checkbox"/>	_____
Art <input type="checkbox"/>	Landscape <input type="checkbox"/>	Social/Humanitarian <input type="checkbox"/>	_____
Commerce <input checked="" type="checkbox"/>	Architecture <input type="checkbox"/>	Theater <input type="checkbox"/>	_____
Communications <input type="checkbox"/>	Literature <input type="checkbox"/>	Transportation <input type="checkbox"/>	_____
Conservation <input type="checkbox"/>	Military <input type="checkbox"/>		_____
	Music <input type="checkbox"/>		_____

STATEMENT OF SIGNIFICANCE (Include Personages, Dates, Events, Etc.)

The Moselle Iron Furnace Stack is significant as an important example of the advances made in the iron smelting processes in 19th Century Missouri.

The Moselle Iron Furnace was built in 1848-49 by F. A. Evans and George L. Nuckolls, with financial backing from concerns in Kentucky and Ohio. The furnace was run on the cold-blast process, its output was small, about five or six tons per day. Most of the pig iron was hauled to South Point on the Missouri River. The original town of Moselle, settled by French immigrants, was located at the furnace site. The Moselle Post Office was established at the furnace in 1851. (Roblee and Osiek, Historical Review of Franklin County, 1968, p. 61).

Dr. A. Litton, M.D., a chemist who visited the site in 1854, reported that the name of the furnace had been changed from Moselle to the Furnace of the Franklin Iron Mining Company. Litton also reported that the furnace was 33 feet high, and operated on a cold-blast, produced by a steam engine. Ore for the smelting operation was obtained from ore banks in the vicinity of the furnace. (The First and Second Annual Report of the Geological Survey of Missouri, 1855, p. 74).

The Moselle Iron Company was formed in 1874 by John H. Brown and Company of Ohio and John C. Smith in association with R. W. Booth of Franklin County. The company raised the stack of the furnace and changed the smelting operation to a hot-blast process, thus increasing the furnace output from twenty to thirty tons of pig iron per day. When the San Francisco Railroad was constructed, the town of Moselle moved one mile west of the furnace. A spur from this railroad to the furnace was also constructed. Iron ore from the Iron Hill Bank was shipped to the furnace area, while pig iron was shipped from the furnace to markets in St. Louis, Indiana, Pennsylvania, and New Jersey. (Mines, Metals, and Arts, October 8, 1874, p.243).

The furnace was closed in early June, 1875, due to the change of fuel from charcoal to coke and the increase in railroad rates. In that same year, the Moselle Iron Company changed its operation to lead smelting.

SEE INSTRUCTIONS

9. MAJOR BIBLIOGRAPHICAL REFERENCES

1. _____, History of Franklin, Jefferson, Washington, Crawford and Gasconade Counties, Missouri. (Chicago: The Goodspeed Publishing Co., 1888) pp. 210-211.
2. Grawe, Oliver R., Pyrites Deposits of Missouri. Missouri Geological Survey and Water Resources, Vol XXX, Second Series. (Jefferson City: Mid-State Printing Co., 1945) p.385.
3. "Iron Works Outside of St. Louis." Mines, Metals, and Arts, a weekly journal devoted to Mine, Metallurgy, Manufactures, Technics, Engineering, Chemistry, Fine Arts, and Markets. Vol II, No. 5. (St. Louis, October 8, 1874) p. 243.

10. GEOGRAPHICAL DATA

LATITUDE AND LONGITUDE COORDINATES DEFINING A RECTANGLE LOCATING THE PROPERTY				O R	LATITUDE AND LONGITUDE COORDINATES DEFINING THE CENTER POINT OF A PROPERTY OF LESS THAN ONE ACRE				
CORNER	LATITUDE		LONGITUDE		LATITUDE		LONGITUDE		
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
NW	°	'	"	°	'	"	38°	22'	48"
NE	°	'	"	°	'	"	90°	52'	51"
SE	°	'	"	°	'	"			
SW	°	'	"	°	'	"			

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE:	CODE	COUNTY	CODE
STATE:	CODE	COUNTY:	CODE
STATE:	CODE	COUNTY:	CODE
STATE:	CODE	COUNTY:	CODE

11. FORM PREPARED BY

NAME AND TITLE: Martha L. Kusiak, Research Historian

ORGANIZATION: State Historical Survey and Planning Office DATE: April 18, 1969
Missouri State Park Board

STREET AND NUMBER: P.O. Box 176, 1204 Jefferson Building

CITY OR TOWN: Jefferson City STATE: Missouri 65101 CODE: 24

12. STATE LIAISON OFFICER CERTIFICATION

As the designated State Liaison Officer for the National Historic Preservation Act of 1966 (Public Law 89-665), I hereby nominate this property for inclusion in the National Register and certify that it has been evaluated according to the criteria and procedures set forth by the National Park Service. The recommended level of significance of this nomination is:

National State Local

Name: Joseph Jaeger, Jr.

Title: Director, Missouri State Park Board, and Missouri State Liaison Officer

Date: _____

NATIONAL REGISTER VERIFICATION

I hereby certify that this property is included in the National Register.

Chief, Office of Archeology and Historic Preservation

Date: _____

ATTEST:

Keeper of The National Register

Date: _____

SEE INSTRUCTIONS

NATIONAL REGISTER OF HISTORIC PLACES
INVENTORY - NOMINATION FORM

(Continuation Sheet)

STATE	
Missouri	
COUNTY	
Franklin	
FOR NPS USE ONLY	
ENTRY NUMBER	DATE

(Number all entries)

9.

MOSELLE IRON FURNACE STACK

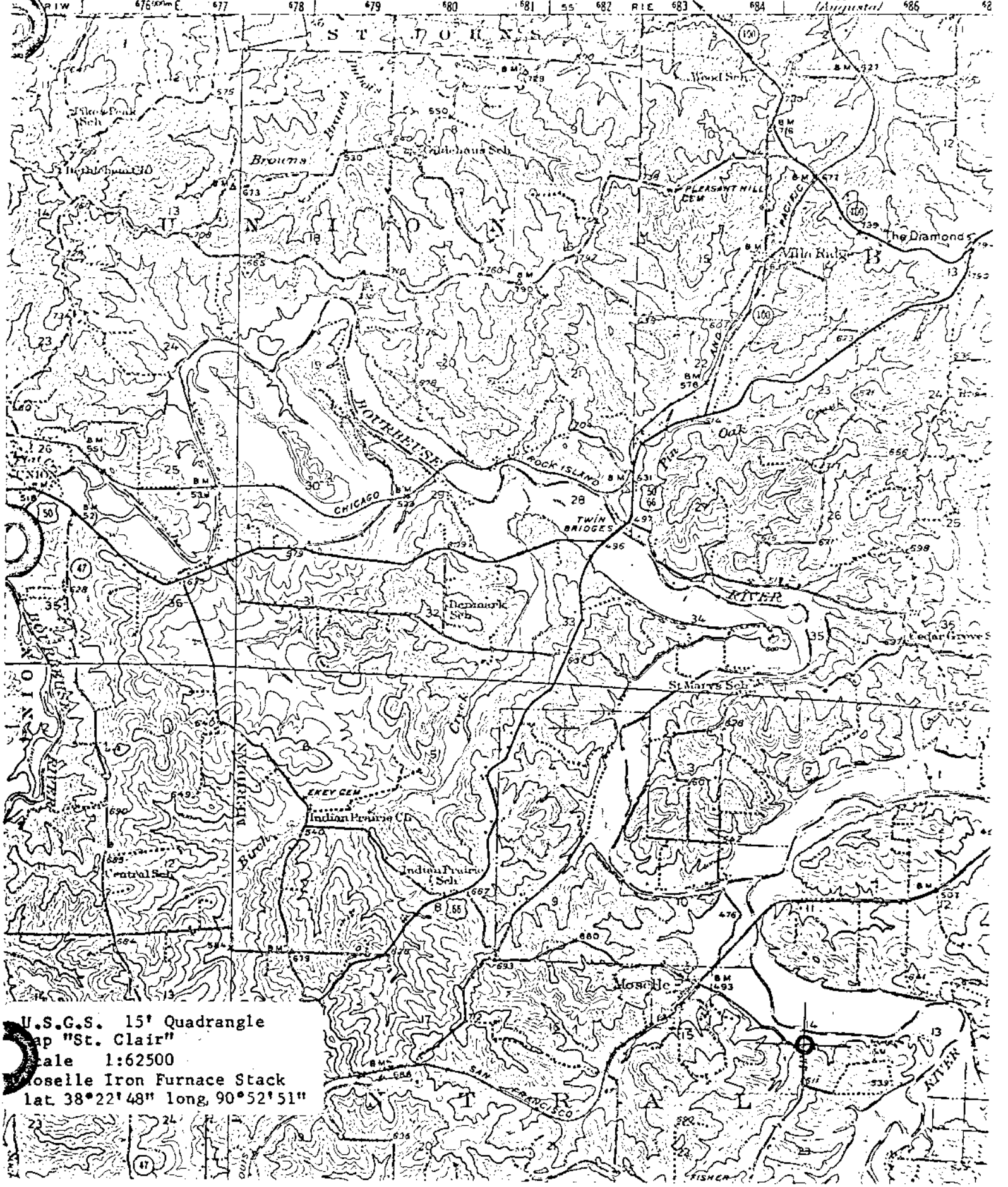
4. Roblee, Melvin B., and Osiek, Vera L. (eds.). Historical Review of Franklin County, Missouri. Franklin Co. Sesqui-Centennial Corp. 1818-1968. (Union, Missouri: Moore Enterprises Inc., 1968) p. 61.
5. _____, Atlas of Franklin County. (Chicago: George A. Ogle & Co., 1898) # 23.
6. Crane, G. W. The Iron Ores of Missouri. Missouri Bureau of Geology and Mines, Vol X, Second Series. (Jefferson City: The Hugh Stephens Printing Co., 1912) p.249.
7. Litton, A., Dr. "A Preliminary Report on Some of the Principal Mines in Franklin, Jefferson, Washington, St. Francois and Madison Counties, Missouri." The First and Second Annual Report of the Geological Survey of Missouri, by G. C. Swallow. (Jefferson City: James Lusk, Public Printer, 1855) p. 74.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5 1/2°

STATE OF MISSOURI
GEOLOGICAL SURVEY AND WATER RESOURCES

NEW HAVEN 30 MI. WASHINGTON 7 1/2 MI.
7851 III August 1886



U.S.G.S. 15' Quadrangle
Map "St. Clair"
Scale 1:62500
Moselle Iron Furnace Stack
lat 38°22'48" long 90°52'51"

MOSELLE IRON FURNACE STACK

COUNTY :

Franklin

LOCATION :

1 mi SE of Moselle, SE1/4, Sect. 14, Township
42N, Range 1E

OWNER :
ADDRESS :

Mr. & Mrs. Norman Ulrich
Route #1, St. Clair, Mo. 63077

DATE APPROVED BY A.C. :

10-26-68

DATE SENT TO JEFF. CITY :

04-30-69

DATE SENT TO D.C. :

05-01-69

DATE OF REC. IN D.C. :

05-06-69

DATE PLACED ON NATIONAL REGISTER :

05-21-69

DATE AWARDED CERTIFICATE
(AND PRESENTOR) :

10-18-77
Mailed by UPS

DATE FILE REVIEWED :

The Moselle Iron Furnace Stack is significant as an important example of the advance made in the iron smelting processes in the 19th century.

Form 10-301
(Dec. 1968)

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

**NATIONAL REGISTER OF HISTORIC PLACES
PROPERTY MAP FORM**

(Type all entries - attach to or enclose with map)

STATE		Missouri
COUNTY		Franklin
FOR NPS USE ONLY		
ENTRY NUMBER	DATE	
1. NAME		
COMMON:	Moselle Iron Furnace Stack	
AND/OR HISTORIC:	Moselle Iron Furnace; Furnace of the Franklin Iron Mining Co.;	
2. LOCATION	Moselle Iron Company	
STREET AND NUMBER:		
SE 1/4, Section 14, Township 42N, Range 1E		
CITY OR TOWN:		
One mile southeast of Moselle		
STATE:	CODE	COUNTY:
Missouri	24	Franklin
CODE	071	
3. MAP REFERENCE		
SOURCE:		
U.S.G.S. 15' Quadrangle St. Clair		
SCALE:	1:62500	
DATE:	1946	
4. REQUIREMENTS		
TO BE INCLUDED ON ALL MAPS		
1. Property boundaries where required.		
2. North arrow.		
3. Latitude and longitude reference.		

SEE INSTRUCTIONS

