Form 10-300
UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES
INVENTORY - NOMINATION FORM

(Type all entries - complete applicable sections)

1. NAME

COMMON:
Scotia Iron Furnace Stack
AND/OR HISTORIC:
Scotia Iron Company

2. LOCATION

STREET AND NUMBER:
6.3 miles southeast of Leasburg on County Highway H
CITY OR TOWN:
Section 1 - Township 38N - Range 3W

3. CLASSIFICATION

CATEGORY (Check One)
District Site Building Structure Object

OWNERSHIP
Public Private Both

Public Acquisition: Public Acquisition: Public Acquisition:
In Process Being Considered

STATUS
Occupied Unoccupied In Process
Preservation work in progress

ACCESSIBLE TO THE PUBLIC
Yes: Restricted
No: Unrestricted

PRESENT USE (Check One or More as Appropriate)

Agricultural Government Park Transportation Comments
Commercial Industrial Private Residence Other (Specify) within
Educational Military Religious
Entertainment Museum Scientific
Transportation Other

4. OWNER OF PROPERTY

OWNERS NAME:
State of Missouri

STREET AND NUMBER:
Missouri Department of Conservation
North Ten Mile Drive

CITY OR TOWN:
Jefferson City

STATE:
Missouri 65101

CODE:
2d

5. LOCATION OF LEGAL DESCRIPTION

COURTHOUSE, REGISTRY OF DEEDS, ETC:
Office of Recorder of Deeds, Crawford County Courthouse

CITY OR TOWN:
Steelville

STATE:
Missouri 65565

CODE:
2d

APPROXIMATE ACREAGE OF NOMINATED PROPERTY:
90

6. REPRESENTATION IN EXISTING SURVEYS

TITLE OF SURVEY:
Missouri Historic Sites Catalogue

DATE OF SURVEY:
1963

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:
2d
SCOTIA IRON FURNACE STACK

6. Missouri State Historical Survey (state)
1968
Missouri State Park Board
P.O. Box 176
1204 Jefferson Building
Jefferson City, Missouri 65101

Code: 2h
### 7. DESCRIPTION

<table>
<thead>
<tr>
<th>CONDITION</th>
<th>Excellent</th>
<th>Good</th>
<th>Fair</th>
<th>Deteriorated</th>
<th>Ruins</th>
<th>Unexposed</th>
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</thead>
<tbody>
<tr>
<td>CHECK ONE</td>
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<table>
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<tr>
<th>INTEGRITY</th>
<th>Altered</th>
<th>Unaltered</th>
<th>Moved</th>
<th>Original Site</th>
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<tr>
<td>CHECK ONE</td>
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**DESCRIBE THE PRESENT AND ORIGINAL (if known) PHYSICAL APPEARANCE**

It is believed that Scotia Iron Works, at the height of its operation (1870-1880), consisted of one engine house, a boiler house, a charcoal house, a casting house and a weighing house. (Mr. Robert L. Elgin, Box 365, St. James, Missouri, Interviewed November 11, 1968.)

Presently only the furnace stack is standing. Stack is constructed of native limestone blocks, is 35 feet wide at the base, and approximately 100 feet high. There are two openings in the base of the stack, one on the south (front) side, and one on the west side. A hot blast fired the furnace through the west side opening, commonly called the "Tuyere Arch". The molten iron flowed from the front (south) opening, "casting arch", of the stack to the casting bed. The furnace stack stands at the foot of a ridge, north and east of the structure. Stone foundations of presently undetermined buildings are located northeast of the furnace stack. Slag heap located east of the furnace stack.

Furnace is in fair condition. Stone blocks in the south and east walls are crumbling. The base of the furnace will be within the flood control pool area of the proposed Meramec Park Reservoir. (See attached map)

The ore pit, Scotia Mine No. 1, is located 1,000 feet northwest of the furnace stack. A dry creek bed exists between the stack and the ore pit. Ore pit is 300 feet long, 200 feet wide, and 20-50 feet deep. Access to the pit is on the northeast side.
### 8. SIGNIFICANCE

**PERIOD** (Check One or More as Appropriate)

<table>
<thead>
<tr>
<th>Pre-Columbian</th>
<th>16th Century</th>
<th>18th Century</th>
<th>20th Century</th>
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</table>

15th Century

17th Century

### SPECIFIC DATES: (If Applicable and Known) 1870-1880

**AREAS OF SIGNIFICANCE** (Check One or More as Appropriate)

- Aboriginal
- Prehistoric
- Historic
- Agriculture
- Art
- Commerce
- Communications
- Conservation
- Education
- Engineering
- Industry
- Invention
- Landscape
- Architecture
- Literature
- Military
- Music
- Science
- Social/Humanitarian
- Theater
- Transportation
- Urban Planning
- Other (Specify)

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

The Scotia Iron Furnace Stack is important remaining evidence of the nineteenth century iron industry in Missouri.

The Scotia Iron Furnace was built in 1870 by John G. Scott, a pioneer in iron production in Missouri, in association with Thomas Howard, Robert Anderson, and Anvil James. Anvil James was the son of Thomas James who founded Naramac Iron Works in Phelps County.

In its operative years, the Scotia Iron Works was located north of Scotia, Missouri. Three hundred of the town's 500 people were employed by the Scotia Iron Company. (Mines, Metals and Arts, October 8, 1874, p. 2145.) The furnace was steam powered and therefore not dependent upon an abundant water supply. The furnace was located near the ore, timber, and limestone supplies making possible a less costly and more efficient operation. The average capacity of the furnace was 20 tons of pig iron per day. (Rolla Herald, January 12, 1871.)

The pig iron produced by the Scotia Furnace was hauled six miles to Leasburg and then shipped by rail to St. Louis for the manufacture of iron products. Most of the Scotia iron was used in the manufacture of agricultural equipment and water pipes. (Mines, Metals and Arts, October 8, 1874, p. 245.)

In 1880 the Scotia Iron Works machinery was moved to Dent County because of depleted ore supplies and because of disagreement among the owners. The machinery was used to build a similar hot blast furnace appropriately called the Nova Scotia Furnace. This smelter was located in an area thickly strewn with boulders of specular hematite. (Grave, Pyrites Deposits of Missouri, p. 305.) In 1888 the furnace equipment was moved to Paducah, Kentucky.
9. MAJOR BIBLIOGRAPHICAL REFERENCES


10. GEOGRAPHICAL DATA

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<th>CORNER</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
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<td>91° 11' 55&quot;</td>
</tr>
<tr>
<td>NE</td>
<td>36° 02' 21&quot;</td>
<td>91° 11' 38&quot;</td>
</tr>
<tr>
<td>SE</td>
<td>36° 02' 06&quot;</td>
<td>91° 11' 38&quot;</td>
</tr>
<tr>
<td>SW</td>
<td>32° 02' 06&quot;</td>
<td>91° 11' 55&quot;</td>
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LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

<table>
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<tr>
<th>STATE</th>
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11. FORM PREPARED BY

NAME AND TITLE: Martha L. Kusiak, Research Historian
ORGANIZATION: Missouri State Park Board, State Historical Survey and Planning Office
STREET AND NUMBER: P.O. Box 176, 1201 Jefferson Building
CITY OR TOWN: Jefferson City
STATE: Missouri 65101
CODE: 21

12. STATE LIABILITY 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 [x] Local [ ]

Name: Joseph Jaeger, Jr.
Title: Director, Missouri State Park Board, and Missouri State Liaison Officer
Date:

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
9.


5. Mr. Robert L. Elgin, Box 365, St. James, Missouri. Former Curator of the James Foundation, and currently partner in R. L. Elgin and Associates, Engineers and Surveyors. Interviewed by Martha L. Kusiak, Missouri State Historical Survey staff member, on November 17, 1968.
1. **NAME**
   - COMMON: Scotia Iron Furnace Stack
   - AND/OR HISTORIC: Scotia Iron Company

2. **LOCATION**
   - STREET AND NUMBER:
     - \( S_{\frac{1}{2}}, NE_{\frac{1}{2}}; N_{\frac{1}{2}}, SE_{\frac{1}{2}}, \) Section 1 - Township 38N - Range 3W
   - CITY OR TOWN:
     - 6.3 miles southeast of Leasburg on County Highway H
   - STATE: Missouri
   - CODE: 65535
   - COUNTY: Crawford
   - CODE: 055

3. **MAP REFERENCE**
   - SOURCE: U.S.G.S. 15' quadrangle Sullivan
   - SCALE: 1:62,500
   - DATE: 1917

4. **REQUIREMENTS**
   - TO BE INCLUDED ON ALL MAPS
     1. Property boundaries where required.
     2. North arrow.
     3. Latitude and longitude reference.
SCOTIA IRON FURNACE STACK

SOURCE: R. LELGIN
MARCH 29, 1961

M.S.H.S., 4-7-69
Steven Teczar
© Form 10-301 UNITED STATES DEPARTMENT OF THE INTERIOR
STATE: Missouri
COUNTY: Crawford

© Property Map Form
NATIONAL REGISTER OF HISTORIC PLACES
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

ENTRY NUMBER: 6535
DATE: March 29, 1961
SCALE: 1:2,000

Based on scale drawing by Robert L. Etten, Box 365, St. James, Mo. 65559

SOURCE: Based on scale drawing by Robert L. Etten, Box 365, St. James, Mo. 65559

STREET AND NUMBER: S-57, NE-2; NW-3, Section 1 - Township 38N - Range 3W
CITY OR TOWN: 6.3 miles southeast of Leasburg on County Highway H
STATE: Missouri
COUNTY: Crawford

LOCATION: Scotia Iron Furnace Stack
ACTION: Scotia Iron Company
COMMON NAME: Scotia Iron Furnace Stack

SECTIONS
1. Property boundaries where required.
2. North arrow.
3. Latitude and longitude reference.

TO BE INCLUDED ON ALL MAPS

PROPERTY MAP FORM
NATIONAL REGISTER OF HISTORIC PLACES
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

ENTRY NUMBER: 6535
DATE: March 29, 1961
SCALE: 1:2,000

Based on scale drawing by Robert L. Etten, Box 365, St. James, Mo. 65559
**1. NAME**

**COMMON:** Scotia Iron Furnace Stack

**AND/OR HISTORIC:** Scotia Iron Company

**2. LOCATION**

**STREET AND NUMBER:**

S1/4, NE1/4; N1/4, SE1/4, Section 1 - Township 38N - Range 3W

**CITY OR TOWN:** 6.3 miles southeast of Leasburg on County Highway H

**STATE:** Missouri 65535

**3. MAP REFERENCE**

**SOURCE:** Meramec Park Reservoir, Meramec River, Missouri Real Estate Plan

**SCALE:** 1" = 1 mile

**DATE:** January 1969

**4. REQUIREMENTS**

**TO BE INCLUDED ON ALL MAPS**

1. Property boundaries where required.
2. North arrow.
3. Latitude and longitude reference.
SOUTHERN IRON FURNACE STACK

COUNTY:
LOCATON:
OWNER:
ADDRESS:

DATE APPROVED BY A.C.:
06-26-38

DATE SENT TO JEFF. CITY:
05-21-38

DATE SENT TO D.C.:
05-21-38

DATE OF REC. IN D.C.:
05-21-38

DATE PLACED ON NATIONAL REGISTER:
05-21-38

DATE AWARDED CERTIFICATE (AND PRESENTER):

DATE FILE REVIEWED:
The Scotia Iron Furnace Stack is important remaining evidence of the iron industry in Missouri.
Name of Site: SCOTTIA IRON FURNACE STACK
Site Number: 24-055 7290 - R3W 51 - 1H
Photographer: Robert L. Egan
Date of Photo: 3/15/61
View of Photo: LOOKING NORTH EAST
Name of Site: Scotia Iron Furnace Stack
Site Number: 94-055-T.3-R.30-W.51-1H
Photographer: ROBERT ELGIN
Date of Photo: CA. 1959
View of Photo: Looking East - side view
Neg. Size: 3x5 - Steve Bach Reprint