

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICENATIONAL REGISTER OF HISTORIC PLACES
INVENTORY -- NOMINATION FORM

FOR NPS USE ONLY

RECEIVED

AUG 11 1976

DATE ENTERED

DEC 12 1976

SEE INSTRUCTIONS IN *HOW TO COMPLETE NATIONAL REGISTER FORMS*
TYPE ALL ENTRIES -- COMPLETE APPLICABLE SECTIONS**1 NAME**

HISTORIC



Clements Stone Arch Bridge

AND/OR COMMON

2 LOCATION

STREET & NUMBER

One-half mile southeast of Clements on the Cottonwood
river (NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 23, T 20 S, R 6 E)

CITY, TOWN

Clements

X

VICINITY OF

—NOT FOR PUBLICATION
CONGRESSIONAL DISTRICT
no. 5, Joe Skubitz

STATE

Kansas

CODE 20

COUNTY Chase

CODE 017

3 CLASSIFICATION

CATEGORY

 DISTRICT
 BUILDING(S)
 STRUCTURE
 SITE
 OBJECT

OWNERSHIP

 PUBLIC
 PRIVATE
 BOTH
PUBLIC ACQUISITION
 IN PROCESS
 BEING CONSIDERED

STATUS

 OCCUPIED
 UNOCCUPIED
 WORK IN PROGRESS
ACCESSIBLE
 YES: RESTRICTED
 YES: UNRESTRICTED
 NO

PRESENT USE

 AGRICULTURE
 COMMERCIAL
 EDUCATIONAL
 ENTERTAINMENT
 GOVERNMENT
 INDUSTRIAL
 MILITARY
 MUSEUM
 PARK
 PRIVATE RESIDENCE
 RELIGIOUS
 SCIENTIFIC
 TRANSPORTATION
 OTHER:**4 OWNER OF PROPERTY**

NAME

Chase County

STREET & NUMBER

Chase County Courthouse

CITY, TOWN

Cottonwood Falls

VICINITY OF

STATE

Kansas 66845

5 LOCATION OF LEGAL DESCRIPTIONCOURTHOUSE,
REGISTRY OF DEEDS, ETC.

Register of Deeds

STREET & NUMBER

Chase County Courthouse

CITY, TOWN

Cottonwood Falls

STATE

Kansas 66845

6 REPRESENTATION IN EXISTING SURVEYS

TITLE

Historic Sites Survey

DATE

Aug., 1971 and July, 1975

 FEDERAL STATE COUNTY LOCALDEPOSITORY FOR
SURVEY RECORDS

Kansas State Historical Society

CITY, TOWN

Topeka

STATE

Kansas 66612

7 DESCRIPTION

CONDITION

EXCELLENT
 GOOD
 FAIR

DETERIORATED
 RUINS
 UNEXPOSED

CHECK ONE

UNALTERED
 ALTERED

CHECK ONE

ORIGINAL SITE
 MOVED DATE _____

DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

The Clements stone bridge spans one hundred seventy-five feet over the Cottonwood river one-half mile south of Clements in western Chase county. It is located on a secondary road in a rural setting. The bridge rises forty feet above the water level and the road bed is ten feet wide. The bridge was built of native stone from nearby quarries.

The span is supported by twin stone arches which have been accented by voussoirs and keystones. The east and west faces of the bridge and the foundations have been finished in large blocks of squared rubble. The inner faces of the arches have been built up of coursed cut stone. A plaque bearing the date and the names of the construction company, its principals and the county commissioners has been inserted on the west face of the bridge in the spandrel. The approach to the bridge has a slight rise in both directions and the stone work has been stepped indicating the steepness of that rise.

The bridge is very gracefully proportioned, the double arches setting up a subtle rhythm connecting the banks. The local materials used are complemented by the setting, making the bridge seem visually very appropriate. The scale and design is also interesting as it reflects the needs and concerns of the century before modern transportation.

The only alteration is the asphalt surface now on the roadway.

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

8 SIGNIFICANCE

PERIOD	AREAS OF SIGNIFICANCE -- CHECK AND JUSTIFY BELOW			
<input type="checkbox"/> PREHISTORIC	<input type="checkbox"/> ARCHEOLOGY-PREHISTORIC	<input type="checkbox"/> COMMUNITY PLANNING	<input type="checkbox"/> LANDSCAPE ARCHITECTURE	<input type="checkbox"/> RELIGION
<input type="checkbox"/> 1400-1499	<input type="checkbox"/> ARCHEOLOGY-HISTORIC	<input type="checkbox"/> CONSERVATION	<input type="checkbox"/> LAW	<input type="checkbox"/> SCIENCE
<input type="checkbox"/> 1500-1599	<input type="checkbox"/> AGRICULTURE	<input type="checkbox"/> ECONOMICS	<input type="checkbox"/> LITERATURE	<input type="checkbox"/> SCULPTURE
<input type="checkbox"/> 1600-1699	<input checked="" type="checkbox"/> ARCHITECTURE	<input type="checkbox"/> EDUCATION	<input type="checkbox"/> MILITARY	<input type="checkbox"/> SOCIAL/HUMANITARIAN
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> ART	<input type="checkbox"/> ENGINEERING	<input type="checkbox"/> MUSIC	<input type="checkbox"/> THEATER
<input checked="" type="checkbox"/> 1800-1899	<input type="checkbox"/> COMMERCE	<input type="checkbox"/> EXPLORATION/SETTLEMENT	<input type="checkbox"/> PHILOSOPHY	<input checked="" type="checkbox"/> TRANSPORTATION
<input type="checkbox"/> 1900-	<input type="checkbox"/> COMMUNICATIONS	<input type="checkbox"/> INDUSTRY	<input type="checkbox"/> POLITICS/GOVERNMENT	<input type="checkbox"/> OTHER (SPECIFY)
		<input type="checkbox"/> INVENTION		

SPECIFIC DATES 1886

BUILDER/ARCHITECT L. P. Santy Company

STATEMENT OF SIGNIFICANCE

The Clements Stone Arch Bridge was erected in 1886 across the Cottonwood river south of Clements. A masterpiece of design and stone construction, it continues to serve the people of the area.

Chase county had been organized in 1859 but its big settlement boom came in the 1870's. The county had only 1900 people in 1870 but more than 6000 by 1880. (Today the county's total is 3600.) The bridge was built during a period of growth and expansion, a time of great confidence in the state's seemingly unlimited potential for growth.

In April of 1886 the Chase county commissioners ordered that a stone arched bridge be built over the Cottonwood river at Clements and appointed William Jeffrèy as a special bridge commissioner for the project. In August bids were received for the project. Evidently each company that bid was bidding on its own design. The commissioners were dissatisfied with the first bids and ordered the project re-advertised. Then in September the contract was awarded to L. P. Santy and Co. of Clements. As reported in the Chase County Leader of Sept. 9, 1886, Santy's prices were "Excavation -- below water, 90 cents per cubic yard; above water, 30 cents. Masonry, \$7.25 per cubic yard. Estimated cost of the bridge complete, \$12,000. The contractor furnishes everything."

The construction work soon began and the Leader told its readers on Oct. 7, 1886, that the excavation for the south abutment was underway, that a cofferdam for the center pier was being constructed and that an elevated tramway was being built to transport the large stones. By the end of October the bridge was taking shape, and apparently it was finished in a matter of months.

The principals of the construction company, L. P. Santy and D. Y. Hamill, also operated stone quarries near Clements. William Dawson was the carpenter who built the frame work or forms for the arches of the bridge. Others who worked on the project were William Butler and John Park.

The Clements Stone Arch Bridge is worthy of nomination to the National Register because it is such a fine example of craftsmanship and design. The bridge is more than a utilitarian structure; it reflects an understanding and sensitivity to the terrain and the local materials, and is one of the most handsome bridges in the state.

Property Clements Stone Arch Bridge

Chase

State Kansas Working Number 8.11.76.3916

76000816

TECHNICAL

Photos 3
Maps 1

CONTROL

OK *pl*
8.12.76

HISTORIAN

ACCEPT
L. W. ...
28 Oct 76

ARCHITECTURAL HISTORIAN

One here is excessive -
Pankrants said it be
changed to less
than one

~~Accept~~
Lebowitz
11.5.76

ARCHEOLOGIST

OTHER

HAER

Inventory *dmb 15.2.76*
Review *Accept only 11/17*

REVIEW UNIT CHIEF

active
BRANCH CHIEF

Accept
Cole
11/30/76

KEEPER

Wm
12/6/74

National Register Write-up _____

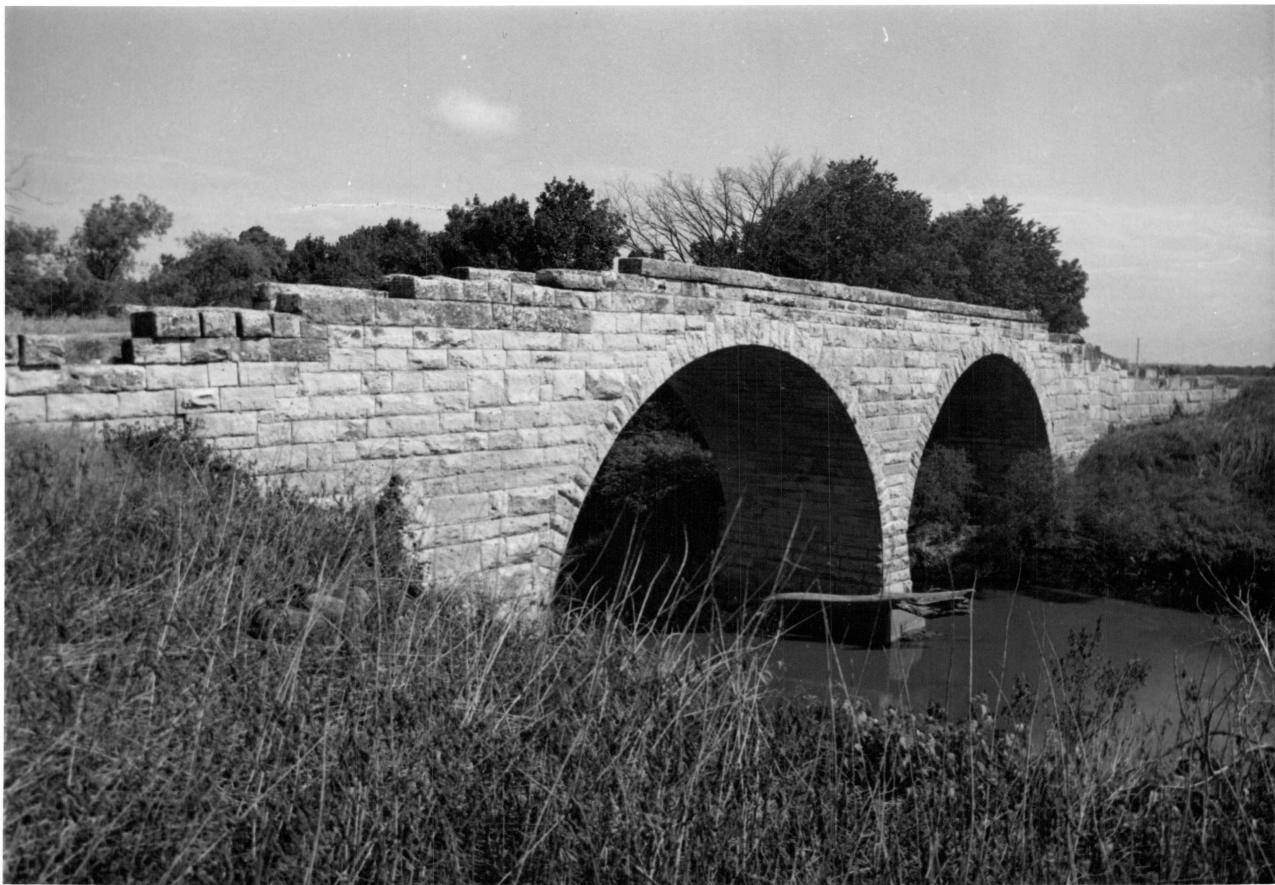
Send-back _____

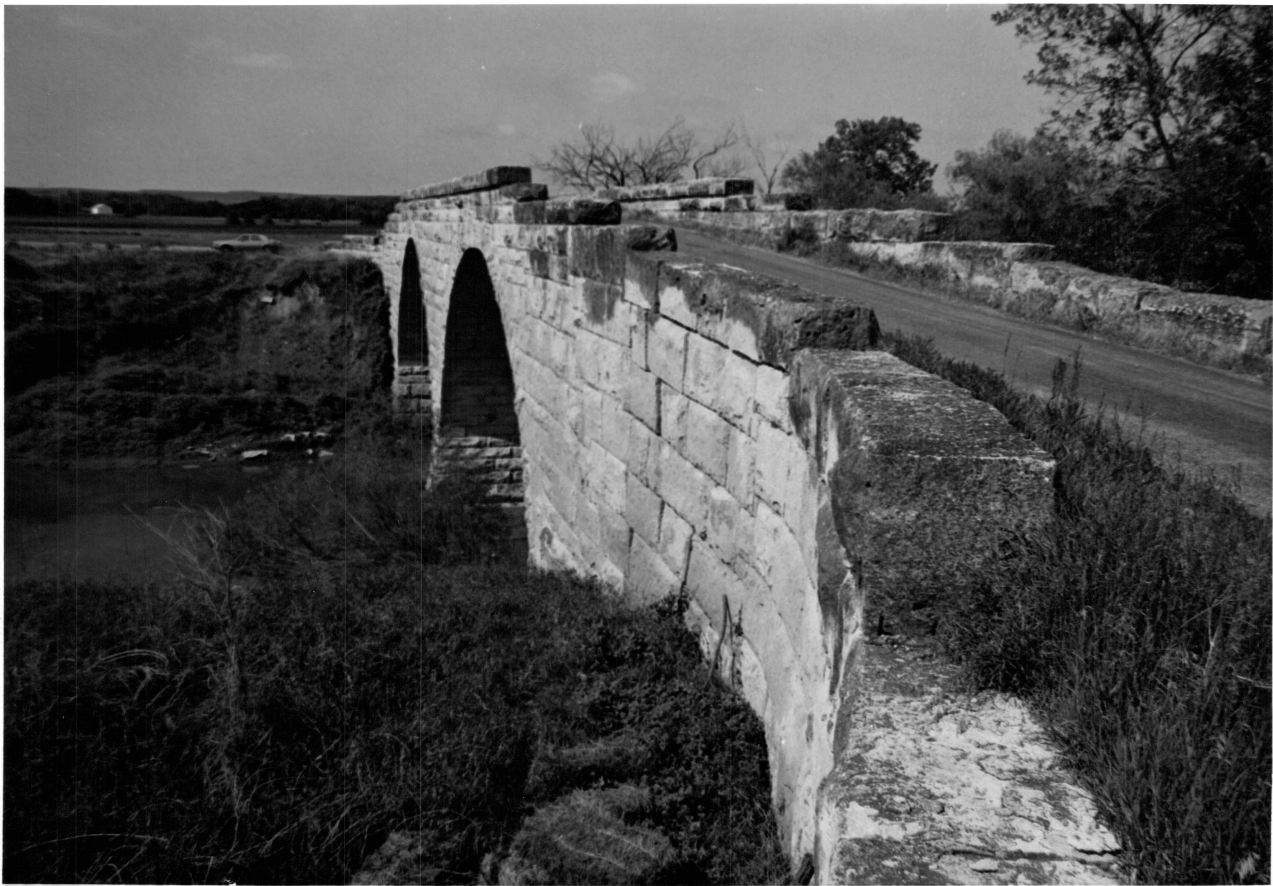
Entered DEC 12 1976

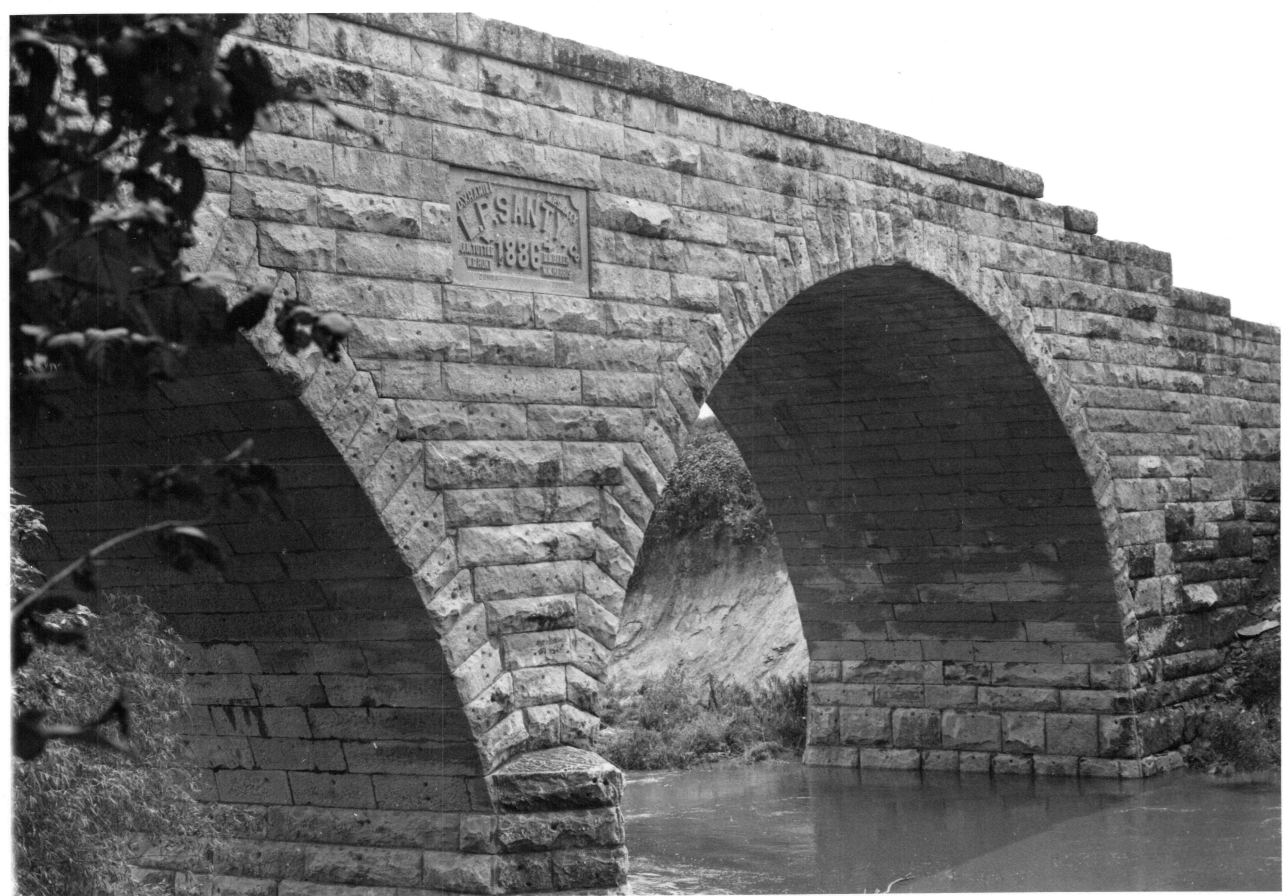
Federal Register Entry 2-1-77

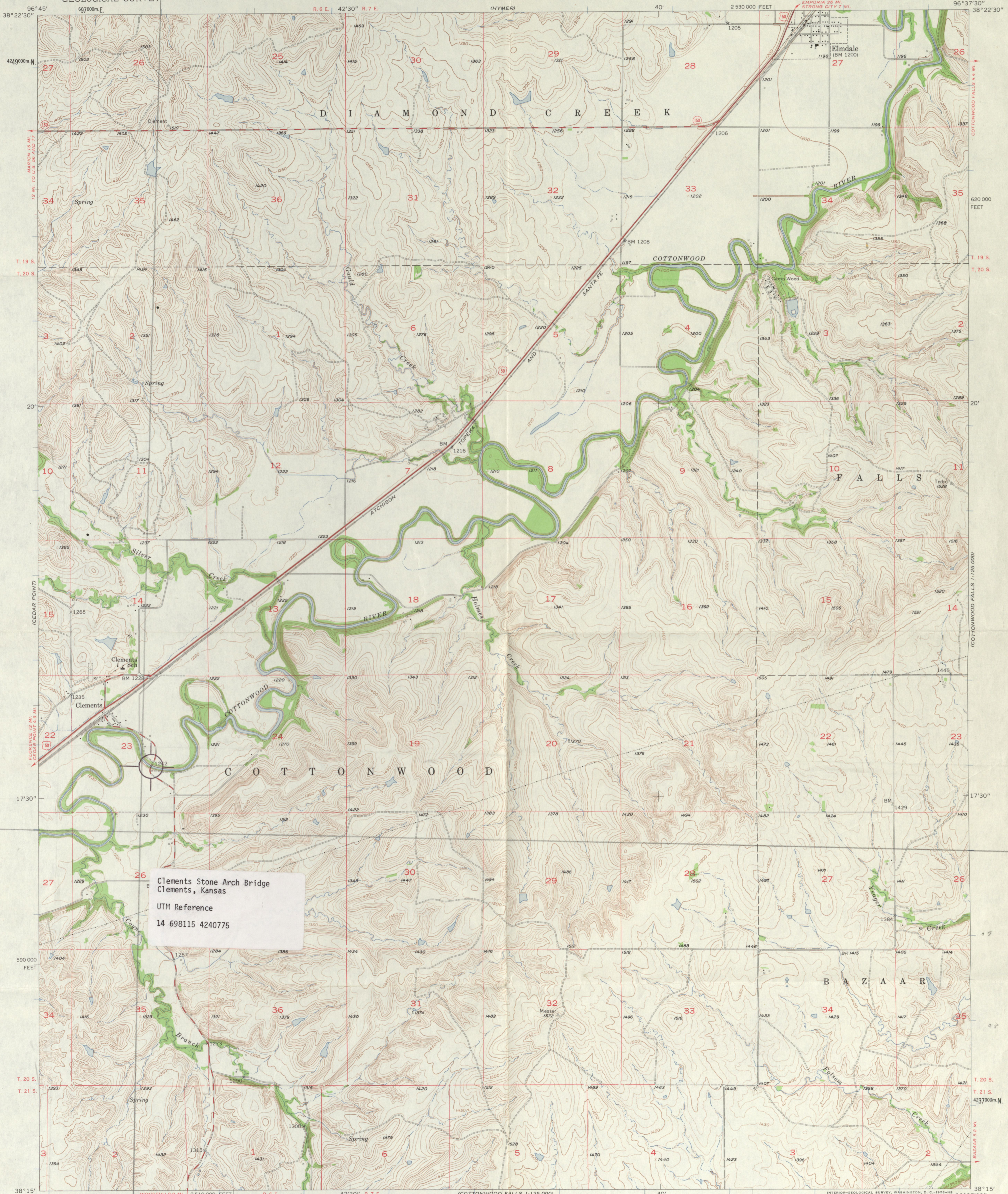
Re-submit _____

INT:2106-74



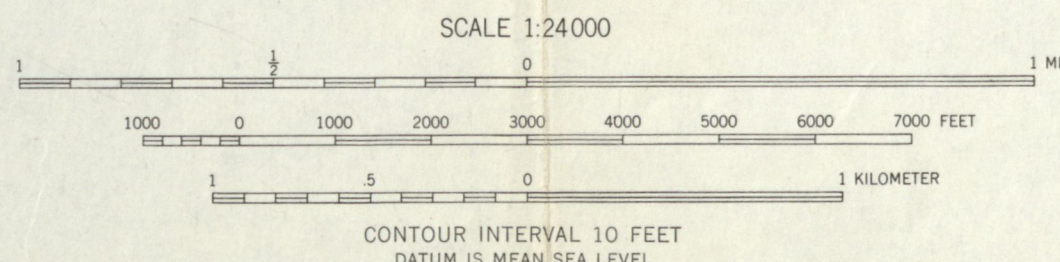




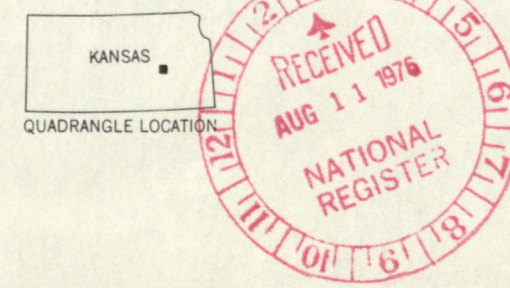


Clements Stone Arch Bridge
Clements, Kansas
UTM Reference
14 698115 4240775

Mapped, edited, and published by the Geological Survey in cooperation with State of Kansas agencies
Control by USGS and USC&GS
Topography from aerial photographs by Kelsh plotter
Aerial photographs taken 1956. Field check 1957
Polyconic projection. 1927 North American datum
10,000-foot grid based on Kansas coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks, zone 14, shown in blue



ROAD CLASSIFICATION
Heavy-duty ——— Light-duty ———
Medium-duty ——— Unimproved dirt ———
U.S. Route ——— State Route ———



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER 2, COLORADO OR WASHINGTON 25, D. C.
AND BY THE STATE GEOLOGICAL SURVEY, LAWRENCE, KANSAS
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ELMDALE, KANS.
N3815—W9637.5/7.5

1957

ARCHITECTURAL STYLE:

architect/m.builder:

landscape/garden designer:

interior decorator:

engineer: L.P. Santy (?)

artist/artisan:

builder/contractor:

(2) L.P. Santy Co.

ETHNIC GROUP:

NAMES:

(label role & appropriate date)

personal

L.P. Santy } principals of construction
D.Y. Hamill }
William Dawson - carpenter
William Butler }
John Park } also worked; in unskilled capacity

events

institutional

DATES:

DATE OF CONSTRUCTION (Specific date or 1/4 of century):

1836

DATE(S) OF "MAJOR" ALTERATIONS:

HISTORICALLY SIGNIFICANT DATE(S):

SOURCE:

(OF NOMINATION)

PRIVATE

STATE

LOCAL GOV'T

MUNICIPAL

COUNTY

OTHER

FEDERAL AGENCY:

ACREAGE:

(to nearest tenth of an acre)

less 1 acre

COMMENTS:

(include architectural information here)

COURSED, ROUGH FACED STONE, TWO ARCHES, STEPPED WALL ON APPROACHES ASPHALTED SURFACE. Built of local material during hey-day of stone bridges; reflects fashion in bridge-building and settlement boom in county.

SIGNIFICANCE:

(maximum two sentences)

~~This fine example of stone craftsmanship and design continues to serve the needs of the people of the area.~~
Barca population.

Bridge
^

NR Data Sheet

DATE: 28 Dec 76 KP
Reviewer INITIALS: ~~_____~~
NR DOE DEC 12 1976
no 12/15

NAME AS IT APPEARS IN FEDERAL REGISTER: Clements Stone Arch Bridge

OTHER NAMES:

LOCATION: 0.5 mi. SE of Clements ^{over the} Cottonwood River

CITY, TOWN: _____ CONGRESSIONAL DISTRICT: 5th
STATE: Kansas VICINITY OF: Clements COUNTY: Chase code: 017

OWNER OF PROPERTY: (Circle) PRIVATE STATE LOCAL GOV'T MUNICIPAL COUNTY OTHER

ADMINISTRATOR (underline): _____ FEDERAL (AGENCY NAME): _____
NPS REGION: (CIRCLE) N. ATLANTIC MID ATLANTIC SOUTHEAST MIDWEST
SOUTHWEST ROCKY MOUNTAIN WEST PACIFIC NORTHWEST

FEATURES:

INTERIOR: Substantially intact-1 ~~unknown-4~~ ~~not applicable-7~~
EXTERIOR: Substantially intact-2 ~~unknown-5~~ ~~not applicable-8~~
ENVIRONS: Substantially intact-3 ~~unknown-6~~ ~~Not applicable-9~~

CONDITION - EXCELLENT ~~GOOD~~ ~~FAIR~~ ~~DETERIORATED~~ ~~RUINS~~ ~~UNEXPOSED~~ ~~Unexcavated~~ ~~UNALTERED~~ ALTERED ~~Reconstructed~~ ~~Excavated~~ ORIGINAL SITE ~~MOVED~~ ~~Unknown~~

ACCESS - Yes-restricted Yes-unrestricted No access Unknown

historic district? YES NO

WITHIN NATIONAL REGISTER HISTORIC DISTRICT? YES NO
IF YES, NAME: _____

WITHIN NATIONAL HISTORIC LANDMARK? YES NO
IF YES, NAME: _____

ADAPTIVE USE: YES NO Saved? YES NO

FUNCTION(S): (use vocabulary words)
then- BRIDGE
now- Saw

SIGNIFICANCE:

- ARCHEOLOGY-PREHISTORIC
- ARCHEOLOGY-HISTORIC
- AGRICULTURE
- ARCHITECTURE
- ART
- COMMERCE
- COMMUNICATIONS
- CONSERVATION
- ECONOMICS
- EDUCATION
- ENGINEERING
- EXPLORATION
- INDUSTRY
- INVENTION
- LANDSCAPE ARCHITECTURE
- LAW/Gov't/politics
- LITERATURE
- MILITARY
- MUSIC
- PHILOSOPHY
- POLITICS/GOVERNMENT
- RELIGION
- SCIENCE
- SOCIAL/HUMANITARIAN
- TRANSPORTATION
- OTHER (SPECIFY)
- entertainment
- health
- recreation
- settlement
- socio/cultural
- urban & comman planning

Claims

"first" YES NO "oldest" YES NO "only" YES NO

ENTRIES IN THE NATIONAL REGISTER

STATE KANSAS

Date Entered DEC 12 1976

<u>Name</u>	<u>Location</u>
Brown, W. P., Mansion	Coffeyville Montgomery County
Norris, E. W., Service Station	Glen Elder Mitchell County
Pardue, C. A., House	Beloit Mitchell County
Clements Stone Arch Bridge	Clements vicinity Chase County

Also Notified

Hon. James B. Pearson	State Historic Preservation Officer
Hon. Bob Dole	Mr. Nyle R. Miller
Hon. Joe Skubitz	Executive Director, Kansas State
Hon. Keith G. Sebelius	Historical Society
Regional Director, Midwest Region	120 West 10th Street
	Topeka, Kansas 66612

880 MMott/row 12/17/76