

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

**NATIONAL REGISTER OF HISTORIC PLACES
INVENTORY -- NOMINATION FORM**

FOR FEDERAL PROPERTIES

FOR NPS USE ONLY
RECEIVED FEB 29 1980 APR 22 1980
DATE ENTERED

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

1 NAME

HISTORIC Havemeyer-Willcox Canal Pumphouse and Forebay

AND/OR COMMON
Same

2 LOCATION

STREET & NUMBER
About 10 miles west of Rifle, Colorado

CITY, TOWN Rifle VICINITY OF 4th

STATE Colorado (08) COUNTY Garfield CODE 015

CLASSIFICATION

CATEGORY	OWNERSHIP	STATUS	PRESENT USE
<input type="checkbox"/> DISTRICT	<input checked="" type="checkbox"/> PUBLIC	<input type="checkbox"/> OCCUPIED	<input checked="" type="checkbox"/> AGRICULTURE
<input checked="" type="checkbox"/> BUILDING(S)	<input type="checkbox"/> PRIVATE	<input checked="" type="checkbox"/> UNOCCUPIED	<input type="checkbox"/> MUSEUM
<input type="checkbox"/> STRUCTURE	<input type="checkbox"/> BOTH	<input type="checkbox"/> WORK IN PROGRESS	<input type="checkbox"/> COMMERCIAL
<input type="checkbox"/> SITE	PUBLIC ACQUISITION	ACCESSIBLE	<input type="checkbox"/> EDUCATIONAL
<input type="checkbox"/> OBJECT	<input type="checkbox"/> IN PROCESS	<input type="checkbox"/> YES: RESTRICTED	<input type="checkbox"/> ENTERTAINMENT
	<input type="checkbox"/> BEING CONSIDERED	<input type="checkbox"/> YES: UNRESTRICTED	<input type="checkbox"/> GOVERNMENT
		<input type="checkbox"/> NO	<input type="checkbox"/> INDUSTRIAL
			<input type="checkbox"/> MILITARY
			<input type="checkbox"/> PRIVATE RESIDENCE
			<input type="checkbox"/> RELIGIOUS
			<input type="checkbox"/> SCIENTIFIC
			<input type="checkbox"/> TRANSPORTATION
			<input type="checkbox"/> OTHER:

AGENCY

REGIONAL HEADQUARTERS: (If applicable)
Grand Junction District Office, Bureau of Land Management

STREET & NUMBER
764 Horizon Drive

CITY, TOWN Grand Junction, Colorado 81501 STATE

3 LOCATION OF LEGAL DESCRIPTION

COURTHOUSE, REGISTRY OF DEEDS, ETC.
USDI, Bureau of Land Management, Colorado State Office

STREET & NUMBER
1600 Broadway, Room 700 Colorado State Bank Building

CITY, TOWN Denver, STATE Colorado 80202

6 REPRESENTATION IN EXISTING SURVEYS

TITLE
Historic American Engineering Record (4/79) BLM site inventory

DATE
1978/1979 FEDERAL STATE COUNTY LOCAL

DEPOSITORY FOR SURVEY RECORDS
HAER Washington, D.C. and BLM Grand Junction District Office

CITY, TOWN Grand Junction STATE Colorado 81501

7 DESCRIPTION

CONDITION		CHECK ONE	CHECK ONE
<input type="checkbox"/> EXCELLENT	<input type="checkbox"/> DETERIORATED	<input checked="" type="checkbox"/> UNALTERED	<input checked="" type="checkbox"/> ORIGINAL SITE
<input type="checkbox"/> GOOD	<input checked="" type="checkbox"/> RUINS	<input type="checkbox"/> ALTERED	<input type="checkbox"/> MOVED DATE _____
<input type="checkbox"/> FAIR	<input type="checkbox"/> UNEXPOSED		

DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

This site, consisting of a concrete pumphouse and a concrete forebay, along with appurtenant structures such as a cistern, concrete support blocks for conduits, etc., is located on the north side of the Colorado River valley about 10 miles west of the town of Rifle, Colorado. The land is low lying shale hills covered with sage brush and greasewood. To the north of the site lie the Roan Cliffs.

The pumphouse is located at the edge of a small, unnamed perennial drainage leading from Sharrard Park, which is located north and east of the site. About 270 feet north of the pumphouse, on a shale hill, the forebay is found. The forebay is made of reinforced concrete with iron trashracks and two metal pen stocks. To the north of the forebay, a concrete conduit support is located on the northeast side of the unnamed drainage. Between the forebay and the pumphouse another concrete conduit support is located. A pentagonal cistern is located just north and east of the pumphouse.

The physical appearance of the site is the same as it was in 1912 when the pumphouse and forebay were constructed. The immediate site has not been modified other than salvage that took place right after the pumping system was abandoned. To the south, U.S. Highway 6 and 24 is located. This road was in place in 1912. To the east (out of view) is the access road to the Anvil Points Experimental Oil Shale Mine. The mine is also not visible from the site.

Gross Specifications (Over-all):

Pumphouse: 43 feet 6 inches (long) by 29 feet 8 inches (wide)

Forebay: 30 feet 0 inches (long) by 28 feet 0 inches (wide)

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 checked="" type="checkbox"/> AGRICULTURE	<input type="checkbox"/> ECONOMICS	<input type="checkbox"/> LITERATURE	<input type="checkbox"/> SCULPTURE
<input type="checkbox"/> 1600-1699	<input 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 type="checkbox"/> 1800-1899	<input type="checkbox"/> COMMERCE	<input type="checkbox"/> EXPLORATION/SETTLEMENT	<input type="checkbox"/> PHILOSOPHY	<input type="checkbox"/> TRANSPORTATION
<input checked="" 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 May 1912 - June 1912 BUILDER/ARCHITECT Lumsden and Gorden, Co. (Denver)

STATEMENT OF SIGNIFICANCE

The Havemeyer-Willcox canal system, of which this site was a major part, was begun as early as 1902 when the Hallett Ditch was started. The main backer of this was William Willcox. These early efforts were designed to bring water from the Colorado River to the arid sides of the Colorado River Valley. The primary thrust of irrigation efforts was to raise sugar beets for the processing plant at Grand Junction, Colorado. William Willcox married into the Havemeyer family of New York City in 1904 and at that point the Havemeyer's began to pour money into Willcox's schemes. The Havemeyer Family was involved in the sugar industry and controlled the American Sugar Company and the Great Western Sugar Company of Colorado.

Hence, when Willcox proposed an extensive canal system to irrigate some 6,500 acres in western Colorado the Havemeyers contributed. In 1911 the Havemeyer firm (incorporated in Colorado in 1909) began construction on the Havemeyer-Willcox Ditch, which was, in part, a reconstruction of the old Hallett Ditch. On May 4, 1912, the ditch was opened by Colorado Governor John Shafroth and the system began to irrigate Sharrard Park. However, later in the month, flooding along the Colorado River wiped out the canal's headgates, and unable to refinance the project, the Havemeyer firm abandoned the canal including the Sharrard Park system. This was one of the most ambitious and expensive water diversion projects in Colorado (if not the West) and served to focus interest on western Colorado as a sugar beet area; provided water was available.

The significance of the Havemeyer-Willcox Canal lies in the fact that it not only retains its original site integrity, but also that it represents a major engineering achievement in that it was one of the most extensive attempts at irrigation in Colorado.

The Havemeyer-Willcox Canal is of local and state significance because:

9 MAJOR BIBLIOGRAPHICAL REFERENCES

Colorado Department of Highways. "The Havemeyer-Willcox Canal System". (Denver, Colorado: CDH, 1978, Manuscript.); Havemeyer, Arthur. Grand Valley Pamphlets. (Documentary Resources, Denver: Colorado Historical Society, 1906-1915)

UTM NOT VERIFIED

10 GEOGRAPHICAL DATA

ACREAGE OF NOMINATED PROPERTY 40 acres total

ACREAGE NOT VERIFIED

UTM REFERENCES

A | 1,3 | 24,8 | 8,8,4 | 4,3 | 7,6 | 3,29 |
 ZONE EASTING NORTHING
 C | 1,3 | 24,8 | 8,8,4 | 4,3 | 7,5 | 90,8 |

B | 1,3 | 24,9 | 2,9,3 | 4,3 | 7,6 | 3,29 |
 ZONE EASTING NORTHING
 D | 1,3 | 24,9 | 2,9,3 | 4,3 | 7,5 | 90,8 |

VERBAL BOUNDARY DESCRIPTION

The site is bounded on the south by The Denver and Rio Grande Western Railroad mainline, and U.S. 6 and 24 to the east by the Anvil Points Road, to the north by the shale hills of Sharrard Park and on the west by a series of low lying shale hills between Sharrard Park and Rulison, Colorado

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

STATE	CODE	COUNTY	CODE
STATE	CODE	COUNTY	CODE

11 FORM PREPARED BY

NAME / TITLE

F.J. Athearn/J. Crouch District Archaeologist

May 8, 1979

ORGANIZATION

Bureau of Land Management - Grand Junction District Office (303)243-6552

DATE

STREET & NUMBER

764 Horizon Drive

TELEPHONE

CITY OR TOWN

Grand Junction, Colorado 81501

STATE

12 CERTIFICATION OF NOMINATION

STATE HISTORIC PRESERVATION OFFICER RECOMMENDATION

YES

NO

NONE

Arthur C. Johnson
 STATE HISTORIC PRESERVATION OFFICER SIGNATURE

In compliance with Executive Order 11593, I hereby nominate this property to the National Register, certifying that the State Historic Preservation Officer has been allowed 90 days in which to present the nomination to the State Review Board and to evaluate its significance. The evaluated level of significance is National State Local

FEDERAL REPRESENTATIVE SIGNATURE *Bernell Stank* - BLM CRM PROGRAM LEADER (BUREAU LIAISON) 2/21/80

TITLE State Historic Preservation Officer

DATE May 23, 1979

FOR NPS USE ONLY

I HEREBY CERTIFY THAT THIS PROPERTY IS INCLUDED IN THE NATIONAL REGISTER

W. Ray Luce

DATE 4/22/80

DIRECTOR, OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION

ATTEST:

DATE

KEEPER OF THE NATIONAL REGISTER

William H. Kratham

4-21-80

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

**NATIONAL REGISTER OF HISTORIC PLACES
INVENTORY -- NOMINATION FORM**

FOR NPS USE ONLY

RECEIVED FEB 29 1980

DATE ENTERED

CONTINUATION SHEET

ITEM NUMBER 1 PAGE 1

1. It is associated with the events that have made a significant contribution to the broad patterns of our history in that the canal and pumping system provided the first (and last) large scale attempt to irrigate the Grand (Colorado) River Valley in the area of Rifle, Colorado for the purpose of raising sugar beets. The system was not only the most ambitious attempted in the area, but was also unique from an engineering standpoint because it used a hydro-turbine pumping system.
2. The canal is associated with persons of significance such as William Willcox, William F. Havemeyer, Raymond Havemeyer, and Arthur Havemeyer, among others.
3. The canal system represents the distinctive characteristics of a period and/or method of construction in that it was unique to the area. The use of concrete lined canals, a hydroturbine pumping system, steel pilings at the headgates, and metal conduits were all innovative and newly attempted uses of construction techniques in the region.
4. This is not likely to yield scientific information important to history or pre-history because it was in use less than one month.

A Historic American Engineering Record (HAER) was performed on this site in April, 1979.

- 2 This site will be destroyed by the construction of Interstate Highway 70.