



# WATER-RIGHT DOCKET

## Lake Mead National Recreation Area

Docket No: 18

WATER SUPPLY BOULDER BEACH RANGER STATION.

Supporting Hydro Data

00-00-0000: project title sheet: summary of expenditures

|                                                                                  |                                                |                                              |              |
|----------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------|--------------|
| DEPARTMENT OF THE INTERIOR<br>NATIONAL PARK SERVICE                              |                                                | CONSTRUCTION PROJECT<br>OR<br>REHABILITATION | DATE 1-31-56 |
| REGION <u>Three</u>                                                              | AREA <u>Lake Mead National Recreation Area</u> | STATE <u>Nevada</u>                          |              |
| PROJECT OR<br>JOB TITLE <u>Water Supply Line to Boulder Beach Ranger Station</u> | FOP OR<br>JOB NO. <u>U-86</u>                  |                                              |              |
| LOCATION<br>IN AREA                                                              | MASTER<br>PLAN NO.                             | BLDG.<br>NO.                                 |              |
| WORKING DWG.<br>NO. & TITLE                                                      | "AS CONST." DWG.<br>SUBM. BY (DATE)            |                                              |              |
| APPROPRIATION<br>TITLE & SYMBOL <u>1411055</u>                                   | ACCT.<br>NO. <u>532.7</u>                      | S&MC PROJ.<br>SYMBOL                         |              |

| CONSTRUCTION DATA                                   |                 | SUMMARY OF EXPENDITURES   |         |
|-----------------------------------------------------|-----------------|---------------------------|---------|
| CONSTRUCTION ITEMS                                  | QUANTITIES      |                           |         |
| Installing<br>Underground reservoir<br>(steel tank) | 3200<br>gallons | 01 PERSONAL SERVICES      | 787.32  |
|                                                     |                 | 02 TRAVEL                 | --      |
|                                                     |                 | 03 TRANS. OF THINGS       | --      |
|                                                     |                 | 04 COMM. SERVICES         | .40     |
|                                                     |                 | 05 RENTS & UTIL. SERV.    | --      |
|                                                     |                 | 06 PRINTING & REPROD.     | --      |
|                                                     |                 | 07 OTHER CONTR. SERV.     | 1.85    |
|                                                     |                 | 08 SUPPLIES & MATERIALS   | 1148.14 |
|                                                     |                 | 09 EQUIPMENT              | 40.55   |
|                                                     |                 | 10 LANDS & STRUCTURES     |         |
|                                                     |                 | 11 TAXES & ASSESSMENTS    |         |
|                                                     |                 | TOTAL CONSTRUCTION COSTS  | 1978.56 |
|                                                     |                 | TOTAL CONSTRUCTION ALLOT. | 1976.56 |
|                                                     |                 | UNOBLIGATED BALANCE       | 2.00    |
|                                                     |                 | TECH. SUPERVISION COSTS   |         |
|                                                     |                 | TOTAL TECH. SUPER. ALLOT. |         |
|                                                     |                 | UNOBLIGATED BALANCE       |         |
|                                                     |                 | TOTAL PROJECT COST        |         |

REMARKS:

Starting date September 1955  
Completion date January 4, 1956.

Allet. advice # 3-310 - 2000.00  
Dated 9-9-1955

Field accounting office clearance  
February 1, 1956

SEE ATTACHED SHEET

Ralph E. Ramsey, Administrative Officer

THIS PROJECT OR JOB HAS BEEN COMPLETED IN ACCORDANCE WITH APPROVED DRAWINGS, SPECIFICATIONS AND AUTHORIZED CHANGES

|                       |                       |
|-----------------------|-----------------------|
| DATE 2-9-56           | DATE 2-9-56           |
| APPROVED: [Signature] | APPROVED: [Signature] |
| REGIONAL DIRECTOR     | REGIONAL DIRECTOR     |

# CONSTRUCTION DATA

This construction feature consisted of constructing a water supply system to serve facilities of the Boulder Beach Ranger Station, which include comfort station, drinking fountain and minor irrigation.

The system consists of an underground, steel reservoir, connected to the main supply line to the 375,000 gallon reservoir, approximately 4480 feet of galvanized iron pipe line and necessary fittings, valves and valve boxes.

The underground steel reservoir was made from the tank of a navy surplus gasoline truck. Since the truck had been used to haul gasoline it was necessary that the tank be cleaned thoroughly. This was accomplished by adding chlorox to the full tank and agitating by driving the truck over a rough, winding road. After removal of all gasoline taste, the tank was cut by torch from the bed of the surplus truck.

It was decided to install the tank as close to the existing 8-inch cast iron supply line to the 375,000 gallon reservoir as possible. The accompanying photograph indicates the location of the tank with respect to the line. A pit was excavated with an Oliver loader to a depth which would place the top of the tank, when in place, at natural ground elevation. Connection to the existing 8-inch cast iron line was accomplished by tapping the line hot and inserting a one-inch corporation cock.

To insure a continuous water supply to the Ranger Station, a constant level float valve was installed on the top of the tank as indicated by the accompanying photographs.

To avoid making another scar on the landscape, the pipe line from the tank was laid under the graded shoulder of route 27.

The work was completed by backfilling the pipe line and tank and placing valve boxes (constructed of corrugated culvert pipe with metal flap lids) and making final connections to fixtures at the Boulder Beach Ranger Station.

The project feature was completed January 4, 1966.

Other Supporting Information

WATER RESOURCES DIVISION REPORT OF INVESTIGATION DATE: March 19, 1979

DOCKET (FILE) TITLE \_\_\_\_\_

REGION Western AREA Lake Mead National Recreation Area

SITE Water Supply to Boulder Beach Ranger Station - Visitor Center

STATE Nevada COUNTY Clark DOCKET NO. WR #18

LOCATION SE $\frac{1}{4}$  SW $\frac{1}{4}$  SE $\frac{1}{4}$ , Sec.15, T22S, R65E, MDB&M

REGIONAL BASIN \_\_\_\_\_ LOCAL BASIN \_\_\_\_\_

ACQUIRED BY Boulder City Water Supply (from the Bureau of Reclamation)

APPLICATION \_\_\_\_\_ PERMIT \_\_\_\_\_ CERTIFICATE \_\_\_\_\_

ACTION DUE \_\_\_\_\_ PRIORITY January 4, 1956 RESERVATION \_\_\_\_\_

QUANTITY USED: \_\_\_\_\_ USE Public Supply

STATUS Active SOURCE Surface Water

REMARKS Hydrologic Unit #15010005.

\_\_\_\_\_

\_\_\_\_\_

NARRATIVE:

In late 1955 the Park Service tapped a 6 inch water line leading from a 375,000 gallon reservoir to Boulder Beach to supply the Boulder Beach Ranger Station. A 1½ inch line ran from the main line to an underground steel tank with a 3200 gallon capacity. Construction of this system was completed on January 4, 1956.

The original Ranger Station structure was abandoned and destroyed prior to 1966; in that same year the new Park Service Visitor Center, located at the junction of US route 93 and Lakeshore Road between Boulder City and Hoover Dam, was opened. The pipeline and steel tank at the old Ranger Station site are still in place but no longer used. A 50,000 gallon steel reservoir was built next to the Visitor Center and connected to the existing water system at Boulder Beach in 1968. This system was still in existence at last report (1977).

Compiled by T. Kern

Approved by \_\_\_\_\_

Docket Information

Number of Documents in Docket 3

Documents Dated from 3/19/1979 to 3/19/1979

Docket Compiled: 4/21/2011