



# WATER-RIGHT DOCKET

## Everglades National Park

Docket No: 1

PARACHUTE KEY WELLS

Other Supporting Information

08-30-1962: memo:completion report pcjno.u-48, approved june 22, parachute key wells; capacity of main pump and air condition

V/R 3/2

EVERGLADES NATIONAL PARK  
AND  
FORT JEFFERSON NATIONAL MONUMENT  
P. O. Box 279  
Homestead, Florida  
August 30, 1962

D3415

Memorandum

To: Regional Director, Southeast Region

From: Superintendent, Everglades

Subject: Completion Report, RJP No. U-48, Approved June 22.  
Parachute Key Visitor Center, Everglades National Park

- Lee  
8/29/62

In reference to our copy of the memorandum (12415-SL) dated August 20, 1962, to you from the Chief, Branch of Water Resources information concerning the rated capacity of the water pumps for the Headquarters Building was requested. This information is as follows:

1. Main water supply system pump - rated capacity,  
75 gpm at 138' total head.
2. Air conditioner water supply system - rated capacity,  
80 gpm at 110' to total head.

Warren F. Hamilton  
Superintendent

Copy to: Chief, Branch of Water Resources, WAGO  
Chief, BDEC (2)

In duplicate

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8/3

August 2, 1962

L54-RL

Memorandum

To: Regional Director, Southeast Region  
From: Chief, Branch of Water Resources  
Subject: Completion Report, PCFNO U-48, Approved June 22,  
Parachute Key Visitor Center, Everglades

The subject completion report indicates that two wells, pumps and pumphouse have been installed to supply the Parachute Key Visitor Center. The completion report does not contain necessary well and pump data.

A docket record for this water system would be desirable. We suggest, as time permits, that a docket assembly be initiated to include pertinent data on the wells and pump units.

A. van V. Dunn  
Chief, Branch of Water Resources

Copy to: Superintendent, Everglades  
Chief, EODC (2)  
✓ Mr. Dunn

VABerté:ljc

✓

*W R Cady*

WATER SYSTEMS - PARACHUTE KEY

1. Main Water Supply System -

This system supplies water from a 6" diameter well approximately 25 feet deep. The well was drilled through Miami oolite limerock, a very porous rock formation. The water table at this location is approximately 5 feet below ground level.

The system is operated by a 5 H.P. Peerless Model 6B 7 Stage Turbine pump, which pumps into a 1000 gallon hydro-pneumatic storage tank. The normal operating pressures at the tank are from 40 to 60 p.s.i. The system is controlled by an Auto-con electric pressure control unit.

The chlorination of this water is accomplished by use of a Wallace and Tiernan Model A741 gas chlorinator. The usual dose rate is from 1 to 2 pounds of chlorine per 24 hours.

This system supplies from 45 to 75 gallons per minute. From the storage tank at the pump house to the distribution points in the Headquarters and Visitor Center Buildings some 600 feet away there are 985 lin. ft. of 6" asbestos cement pipe and 100 lin. ft. of 4" asbestos cement pipe.

The system supplies the following fixtures: 4 - 4" fire hydrants, 14 water closets, 11 lavatories, 4 urinals, 6 drinking fountains, 6 hose bibs and 6 service sinks.

The well is capable of producing in excess of 5000g.p.h.

2. Air Conditioner Water Supply System -

This system is supplied from a 6" diameter well approximately 25 feet deep. This well was drilled through Miami oolite limerock a very porous rock formation. The water table at this location is approximately 5' below ground level.

The system is operated by a Fairbanks-Morse jet pump Model 300 VS. powered by a 3 H.P. motor, and is controlled by a Square D manual electric switch and an electric pressure switch.

This system furnishes water for 8 large reverse cycle Weatherking heat pump air conditioning units. There is a 550 gallon storage tank in the building and there are 54 lin. ft. of 2-1/2" galv. steel pipe, 30 lin. ft. of 2" galv. steel pipe, 100 lin. ft. of 1-1/2" galv. steel pipe, and 110 lin. ft. of 2" galv. steel pipe, 100 lin. ft. of 1-1/2" galv. steel pipe, and 110 lin. ft. of 1-1/4" galv. steel pipe.

*"With Sust's memo 8/10/62"*

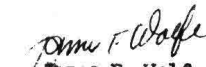
This water is not treated and is not used for human consumption. The well is capable of producing an excess of 5000 gallons per hour, depending upon the pump used.

3. Entrance Station Water Supply System

This system is supplied by a 6" diameter well approximately 25 feet deep. The well was drilled through Miami oolite limerock, a very porous rock formation. The water table at this location is approximately 5 feet below ground level.

This system is operated by a Deming centrifugal pump powered by a Franklin 1/2 H.P. electric motor. The unit is controlled by an electric pressure switch.

There is a 30 gallon hydro-pneumatic storage tank in the entrance station building. The system supplies water for one commode and one lavatory. The water is not used for human consumption and is not treated.

  
James F. Wolfe  
Park Engineer

Docket Information

Number of Documents in Docket      4  
Documents Dated from    8/30/1962      to    8/30/1962  
Docket Compiled:      3/10/2011