



# WATER-RIGHT DOCKET

## Lassen Volcanic National Park

Docket No: 4

BUTTE LAKE CAMPGROUND AND RANCH WELL.

### Preliminary Docket Information

00-00-0000: water right/source docket information

WATER RESOURCES/WATER RIGHT

DATE: August 19, 1977

#### WATER RIGHT/SOURCE DOCKET INFORMATION

REGION Western AREA Lassen Volcanic National Park  
SITE Butte Lake Campground & Ranger Station - Well  
STATE California COUNTY Lassen DOCKET NO WR #4  
LOCATION NW 1/4, sec. 10, T31N, R6E  
REGIONAL BASIN \_\_\_\_\_ LOCAL BASIN \_\_\_\_\_  
ACQUIRED BY \_\_\_\_\_  
APPLICATION \_\_\_\_\_ PERMIT \_\_\_\_\_ CERTIFICATE \_\_\_\_\_  
ACTION DUE \_\_\_\_\_ PRIORITY 1941 RESERVATION \_\_\_\_\_  
QUANTITY 50 GPM USE Domestic  
STATUS Active SOURCE Well

REMARKS Hydrology unit #16020003

**NARRATIVE:** The Park Service dug a well in 1941 near the Cinder Cone - Butte Lake area to supply water for domestic use at the Butte Lake Ranger Station and Campground. The well was sunk to a depth of 12 feet on the edge of a lava flow, adjacent to the lake. A pump was installed, and after testing, well capacity was determined to be 50 gallons per minute.  
Due to drought conditions, the water level of Butte Lake declined several feet during the spring of 1976. As a result, the nearby well failed to provide water. Water for the campground was supplied at this time by direct pumpage from the lake. During 1976 and 1977, three test wells were drilled in the area. Two of the wells were dry, but the third well produced water at an approximate rate of 5 gallons per minute.  
1977 continues to be an extremely dry year. It is anticipated that when the drought ends, the dug well will again be utilized as the water source for the immediate area.

W. Werrell  
July 16, 1977

Compiled by Kevin Kidder  
Approved by W. Werrell

Page 1 of 1

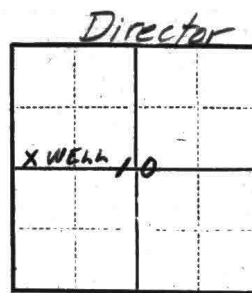
Lassen Volcanic National Park  
Water Right #4  
Outline of Assembly - Correspondence

1. Memorandum to Regional Director from Chief Water Resources,  
January 5, 1954
2. Memorandum to Superintendent from Acting Assistant Regional Director,  
January 27, 1954
3. Memorandum to Regional Director from Superintendent, February 1, 1954
4. Memorandum to Regional Director from Chief Water Resources, February 9, 1955

Supporting Hydro Data

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WATER RESOURCES BRANCH

# RECORD OF WELL



1. Location: State California County Lassen  
Nearest P. O. Old Station, Calif. Direction from P. O. S.E.  
N.W.  $\frac{1}{4}$  sec. 10, T. 31 N., R. 6 E.
2. Owner: Lassen Volcanic National Park Address Mineral, California  
DRUCK LUG Same Address Same  
Site selected by: Eugene J. Barton Address Lassen Volcanic National Park  
Mineral, California
3. Situation: Is well on upland, in valley, or on hillside? Valley
4. Type of well: Dug; kind of drilling rig used --  
(Dug, driven, bored, or drilled) (Solid tool, jetting, rotary, etc.)
5. Depth of well: 12 ft. ft.; year in which well was finished 1941  
Does well enter rock? Yes; if so, at what depth? Surface ft.; kind of rock broken lava (aa)  
normal about
6. Depth to water: 5 feet ft.; Amount water rose above level where first struck none ft.
7. Diameter: At top 10" inches; at bottom 10" inches. 10" pipe installed after digging
8. Principal water bed: Rock, aa lava  
(Gravel, sand, clay, or rock. If rock, state kind)  
Depth to principal water bed 5 ft. ft.; thickness of bed ext. 50 ft. level fluctuates  
If other water supplies were found, give depth to each None
9. Casings: Kind corr. galv.; size 10"; length 12 ft.; between depths of 0 and 12 ft.  
Kind --; size --; length -- ft.; between depths of -- and -- ft.  
Kind --; size --; length -- ft.; between depths of -- and -- ft.
- Packers (if any): Depth at which packers were used --; kind --
- Screen or Strainer: Was well finished with screen or perforated pipe? part; kind of screen --;  
length of screen -- ft.; diameter -- inches; size of openings --  
perforated pipe; size of perforations believe 1/8"; How were perforations made; burned, drilled? dr.
10. Head: Does well at present overflow without pumping? No; did it overflow when new? No
11. Pump: Is the well pumped? Yes; kind of pump rotary  
size or capacity of pump about 50 G.P.M.; kind of power 4 cyl. gas engine
12. Yield: Natural flow at present (if any) -- gallons per minute; original flow inexhaustible gallons per minute;  
well has been pumped at 50 gallons per minute continuously for 1 hours;  
quantity of water ordinarily obtained from well 50 gallons per minute
13. Use: For what purpose is the water used? Drinking and other domestic.
14. Quality of the water: Soft, fresh; is there an analysis? no  
(Hard or soft, fresh or salty, etc.)

Name of person filling blank Eugene J. Barton,  
Date April 13, 1948 Address Lassen Volcanic National Park, Mineral, Calif.

On the back of this sheet give the record of the beds through which the well passes and any other facts not given above.





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE  
WASHINGTON 25, D. C.

In reply refer to:  
L54-L

RECEIVED  
NPS, REGION FOUR OFFICE

FEB 11 1955

February 9, 1955

|             | SURNAME          | DATE        |
|-------------|------------------|-------------|
| REG. DIR.   |                  |             |
| ASST. R.D.  |                  |             |
| OPERATIONS  | <i>Hand 2-14</i> |             |
| ADMIN.      |                  |             |
| COOP. ACT.  |                  |             |
| INTERP.     |                  |             |
| LEGAL       |                  |             |
| <i>Hand</i> | <i>BFA</i>       | <i>2/18</i> |

Memorandum

To: Regional Director, Region Four

From: Chief, Water Resources Section

Subject: Transmittal of Water Right Docket No. 4, "Mineral Headquarters Well", Lassen Volcanic National Park *2/18*

*Sent cc Supt. Lassen*  
*BFA*

A portion of the above subject is in quotes as we wish to correct the error we originated in our memorandum of January 5, 1954. In Mr. Manbey's transmittal memorandum of January 27, 1954, he kindly supplied the map requested in the former memorandum, but it was not until a routine review at a much later date, that it was discovered that the well is not at Mineral Headquarters, but at Butte Lake Camp-ground and Ranger Station, which should be the title of the docket. We have thus changed the Director's copy and would appreciate your having the field copies corrected.

Mr. Manbey's last paragraph is more or less automatically complied with, in attaching the map, since the water use is clearly described thereon.

*A. van V. Dunn*  
A. van V. Dunn  
Chief, Water Resources Section

In duplicate



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE  
LASSEN VOLCANIC NATIONAL PARK  
MINERAL, CALIFORNIA

In reply refer to:  
L 54-L

x Mamber BFM  
Crawley #2/3

February 1, 1954

Memorandum

To: Regional Director, Region Four  
From: Superintendent, Lassen Volcanic  
Subject: Water supply well at Butte Lake campground, Water Right  
Docket No. 4, Lassen Volcanic National Park

Sent cc W.O. 2/3/54

BFM

There follows a brief statement describing the purpose and extent of use of the subject well as requested in Mr. Dunn's memorandum of January 5, attached to yours of January 27.

The well was dug to provide a potable water supply for the Butte Lake Ranger Station and Campground. Annual use is estimated to be 110,000 gallons.

We wish to call attention to the fact that the well is located at Butte Lake and not at Mineral Headquarters as indicated by Mr. Dunn's memorandum.

Edward D. Freeland  
Superintendent



In reply refer to:  
LS4-L

January 27, 1954

~~Manbey~~

B/FM

Memorandum

To: Superintendent, Lassen Volcanic  
From: Acting Assistant Regional Director, Region Four  
Subject: Transmittal of Water Right Docket No. 4, Mineral  
Headquarters Well, Lassen Volcanic

Attached is original copy of the above-mentioned docket together with copy of Mr. Dunn's memorandum of January 5.

As requested by Mr. Dunn, we have secured from the Regional Engineer, and attach, one copy of map showing the location and pipe connections to the main water system. This should be filed with the assembly.

Attention is called to Mr. Dunn's request for a brief statement "describing the purpose and extent of use." One copy of such statement should be filed with the assembly and two copies should be sent to this office.

B. F. Manbey  
Acting Assistant Regional Director

Attachments

Copy to: Director, w/c map

BFManbey:bes

FILE COPY



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE  
WASHINGTON 25, D. C.

In reply refer to:  
L54-L

Memorandum

To: Regional Director, Region Four  
From: Chief, Water Resources Branch  
Subject: Mineral Headquarters Well, Water Right Docket No. 4, go in our Lassen Volcanic National Park

Attached are two assemblies of Water Right Docket No. 4 for your office and the Park, which now includes only the record of the well drilled in 1941.

The docket should also include a map showing the location and pipe connections to the main water system, or independent area served in the Headquarters area. Since this is a riparian ground water system which does not now require an appropriative filing, the water system can be sketched on any small map of the Headquarters area.

This record has been held in our pending file for some time, and we can find no specific reference to the well. Presumably, it is one of the wells for which records were requested in the general memoranda of July 22, 1947, from Mr. Tolson, and March 2, 1948, from Mr. Carnes. In addition to the map, there should be a brief statement by the Superintendent in the docket describing the purpose and extent of use.

*A. van V. Dunn*

A. van V. Dunn  
Chief, Water Resources Branch

In duplicate

Attachments 2

Maps and Miscellaneous Information

|                               |           |    |          |
|-------------------------------|-----------|----|----------|
| Number of Documents in Docket | 9         |    |          |
| Documents Dated from          | 3/24/1942 | to | 2/9/1955 |
| Docket Compiled:              | 4/26/2011 |    |          |