

Orr Affidavit

Exhibit 33

RECEIVED

OCT 19 2008

DEPARTMENT OF
WATER RESOURCES

Excerpted pages of the “Report Covering Water
Measurements and Studies of Stream Flow of
Snake River Between Milner
and Shoshone Falls,” by C.E. Tappan
(Idaho Power Company 1923)

17-G-54

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

WATER RESOURCES BRANCH

615 Idaho Building,
Boise, Idaho, May 2, 1924



Mr. J. G. Hoyt,
Hydraulic Engineer, U.S.G.S.,
Washington, D. C.

Dear Mr. Hoyt:-

I am sending under another cover a copy of the Idaho Power Company's report covering hydrometric investigations conducted during 1923 by G. E. Hapman of that section of Snake River which lies between Milner and Shoshone Falls. Copy of this report has been furnished by Mr. T. A. Purton for your files at my request.

Yours very truly,

C. G. PAULSEN

District Engineer

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12 QR
Snake River

II-100, 12-G-54

IDAHO POWER COMPANY

Report Covering Water Measurements
and Studies of Stream Flow of Snake River
between Milner and Shoshone Falls.

C. E. Tappan

- 1923 -

D-100, 12-G-54 1



IDAHO POWER COMPANY

Report Covering Water Measurements
and Studies of Stream Flow of Snake River
between Milner and Shoshone Falls

C. E. Tappan

- 1923 -

12-G-R

Suake River

Ind. 12-G-R
G.T.B.

Mr. F. J. Rankin, Chief Engineer
Idaho Power Company
Boise, Idaho.

Boise, Idaho.
March 1, 1924.

Sir:

I am pleased to hand you herewith my report on the inflow to Snake River between Milner, Idaho and Shoshone Falls, for the irrigation season of 1923. There is included with this, a study of high water above Upper Salmon Falls, and a description of the new gaging station on Snake River at Oxbow, Oregon, with the results of all measurements made there during 1923.

Where the addition of data, other than was procured in the field, would amplify the present study or convey stronger evidence of the reliability of inflow than is available from a single season's observation, the Water Supply Papers as published by the United States Geological Survey were freely drawn upon.

The writer desires to express his appreciation of the hearty cooperation extended by all departments, particularly the operation and construction departments, whenever it was possible for them to render any aid, and Mr T. A. Purton, for invaluable suggestions offered during the compilation and preparation of this report.

Very respectfully yours,

C. E. Tappan.

ASSISTANT

MILNER DAM AND GAGING STATION

The Milner Dam was completed and water was diverted through the Twin Falls South Side Canal in the year of 1905, and after that time the Twin Falls North Side Canal was constructed. During the irrigation season only water enough is delivered at Milner to fulfill the irrigation rights of these two canals, the water being measured to the canals as their rights require. There is a small amount of leakage through the gates during the low water season, although considerable effort is made to stop all leakage possible. During flood season all water in excess of requirements is allowed to pass Milner and often amounts to a considerable quantity.

The Milner gaging station is located 300 yards below the dam and was established May 10, 1909. It is a standard gaging station equipped with automatic register, a cable and car. Continuous records are available and are published by the United States Geological Survey in the Water Supply Papers. This station is maintained and operated by the United States Geological Survey, although some cooperation is furnished by the Twin Falls South Side Canal Company and the Twin Falls North Side Canal Company.

Plate 2 is a hydrograph of this station for the period January 1st, 1923 to September 30th, 1925.