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CHIEF OF DIVISION

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GOVERNOR OF CALIFORNIA

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STATE OF CALIFORNIA
Department of Public Works
SACRAMENTO

ADDRESS REPLY TO
DIVISION OF WATER RESOURCES
PUBLIC WORKS BUILDING
P. O. Box 1079
SACRAMENTO 5

Application 5169, 6534
Permits 5286, 5287

ADDENDUM INSPECTION REPORT

Covering Second Inspection

Made by:
A. S. Wheeler

Made on:
May 24, 1951

Permittee: Washoe County Water
Conservation District

To the State Engineer
Sacramento, California

Dear Sir:

There follows a report of the inspection made on May 24, 1951 of the project covered by Permits 5286 and 5287 which supplements previous reports by the writer.

Permittee having requested license consideration the project was listed for inspection.

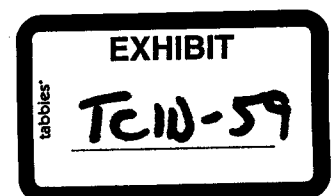
The information contained in this report was in part obtained during an interview in Reno with Chester C. Taylor, engineer-manager of the district, and in part from the Truckee River Watermaster.

DIVERSION SYSTEM

The point of diversion to storage and the systems of re-
diversion of stored waters remain as previously reported.

PLACE OF USE

The place of use consists of 30,000 acres of which, thru rotation, has been irrigated with the maximum irrigated in any one year being about 29,000 acres.



STORAGE

Diversion to storage has extended from October 1 to July 1 altho usually it is accomplished between February 15 and June 15.

Altho Permit 5287 provides for storage in all other months it appears that, in view of the normally small flow in July, August and September, only regulation is accomplished during the other months.

Appended to this report is a hydrograph of reservoir operation for the seasons of 1947-48, 1948-49 and 1949-50. From this hydrograph it will be noted that the full amount covered by Permit 5286 was stored in the 1948-49 storage season and that re-storage under Permit 5287 of 466 acre-feet was accomplished during May 1949.

In May 1950 re-storage of 6097 acre-feet was made under Permit 5287.

USE OF WATER

The use of water on the project is for domestic and stockwatering purposes from January 1 to December 31 and for irrigation from ^{March 15} ~~April 1~~ to ^{November 16} ~~October 1~~.

The season of maximum use during the 3 year period preceeding the date of this inspection was during 1949 in which year 29491 acre-feet of a total 41574 acre-feet stored was used during the irrigation period. Of the amount stored 466 acre-feet was re-storage under Permit 5287.

It will also be noted from the hydrograph that, during the winter months, normally the reservoir is emptied or nearly so resulting in little or no hold-over storage. The waters thus released from Boca Reservoir are of a higher temperature than Lake Tahoe Waters and are released in lieu of Lake Tahoe waters to aid in preventing ice forming in the flumes leading to the power plants of the Sierra Pacific Power

Company and are also released in lieu of Lake Tahoe waters to comply with Truckee River Agreement. Some of the release involves utilization of the reservoir as flood control works and as a regulatory reservoir by the Sierra Pacific Power Company for releases from Independence Lake. The release of water for the winter uses described does not come within the scope of either permit.

The waters released from Boca are restored in Lahontan Reservoir of the Truckee-Carson Irrigation District (Neelands Project), after the enroute uses noted above, for use the following summer in that District.

In view of the foregoing it would appear that a license could be issued for 29500 (29491) acre-feet in the case of Permit 5286 and that no license could be issued in the case of Permit 5287.

DISCUSSION

In discussing the situation with Mr. Taylor it was pointed out that, in view of the lack of hold-over storage in Boca Reservoir, licenses could only be issued as previously noted in this report unless partial assignments to the Truckee-Carson Irrigation District were made and petitions filed to include Lahontan Reservoir as a place of re-storage and the lands within the Truckee-Carson District as a place of use under the permits.

It was further pointed out to him that if this was done a license for the full amount covered by Permit 5286 could be issued and that a license for 6100 (6097) acre-feet, the maximum amount re-stored, under Permit 5287 could be issued. In the latter case, if it was felt that eventually re-storage to the extent of the 19,150 acre-feet covered by that permit would be made, an extension could be granted to complete storage and use.

Mr. Taylor stated that the matter would be taken up with the permittee's board of directors and the Division of Water Resources would later be informed as to its decision.

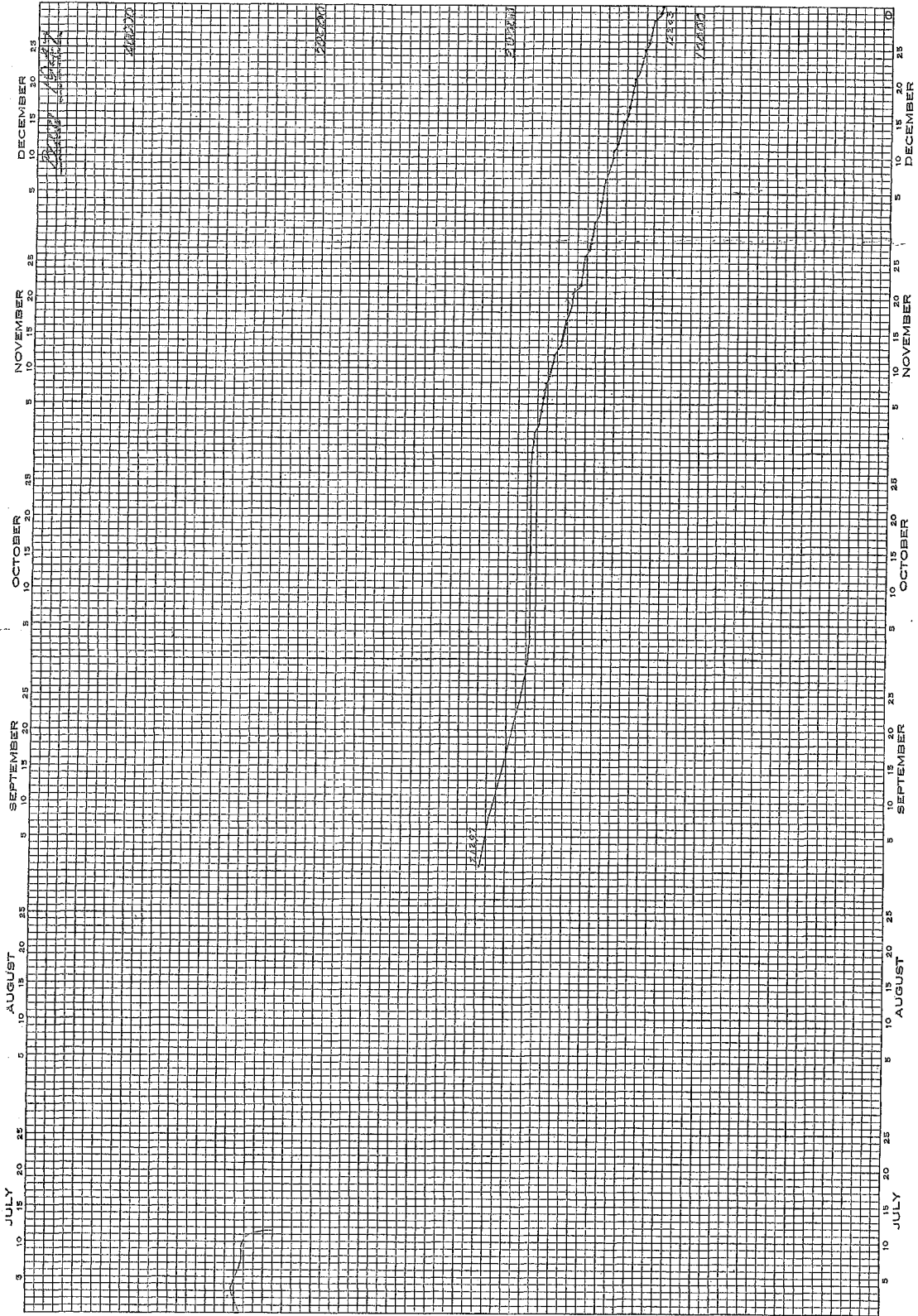
Respectfully submitted,


Senior Hydraulic Engineer

ASW:dm

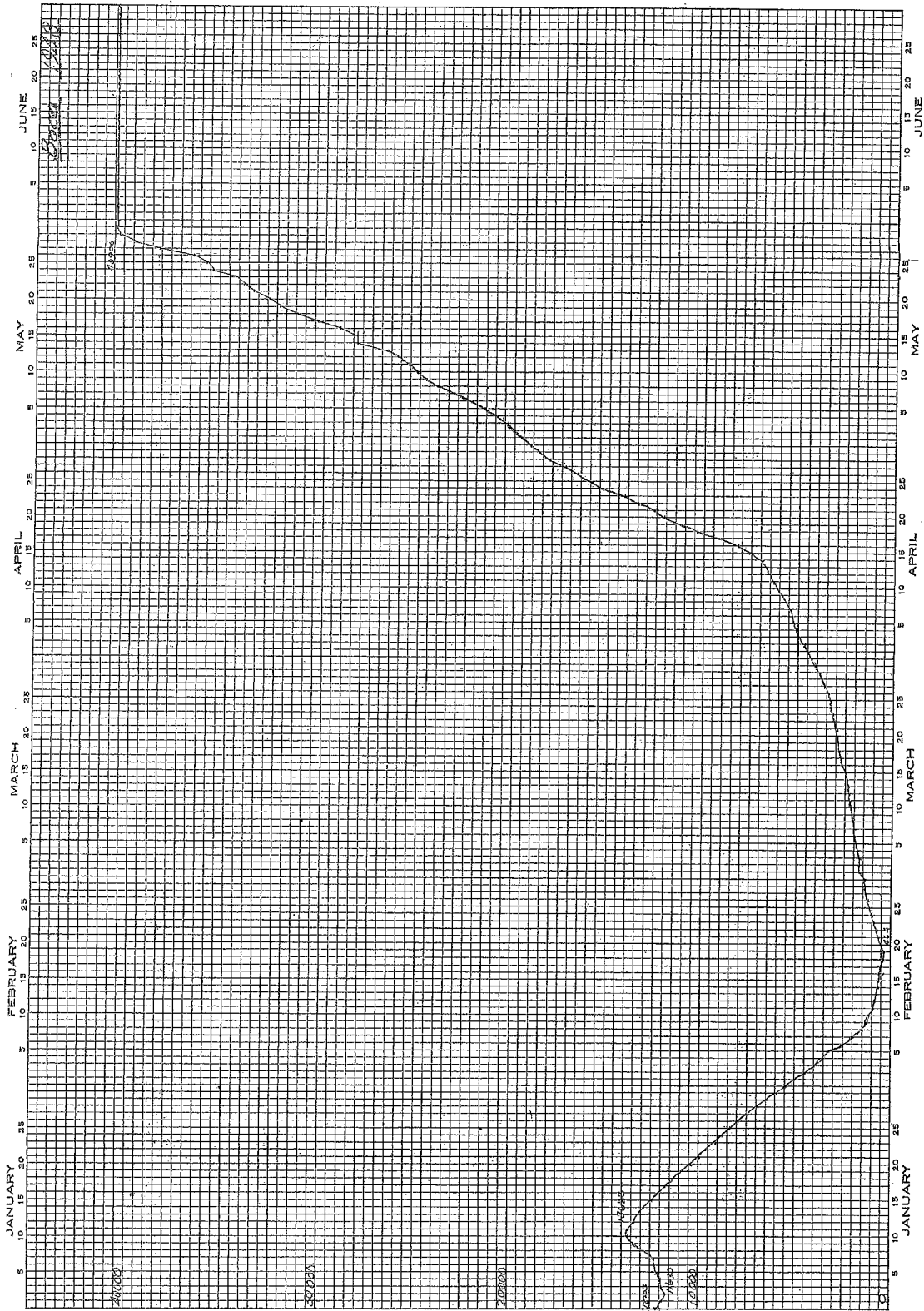
April 23, 1952

NOTE FOOT

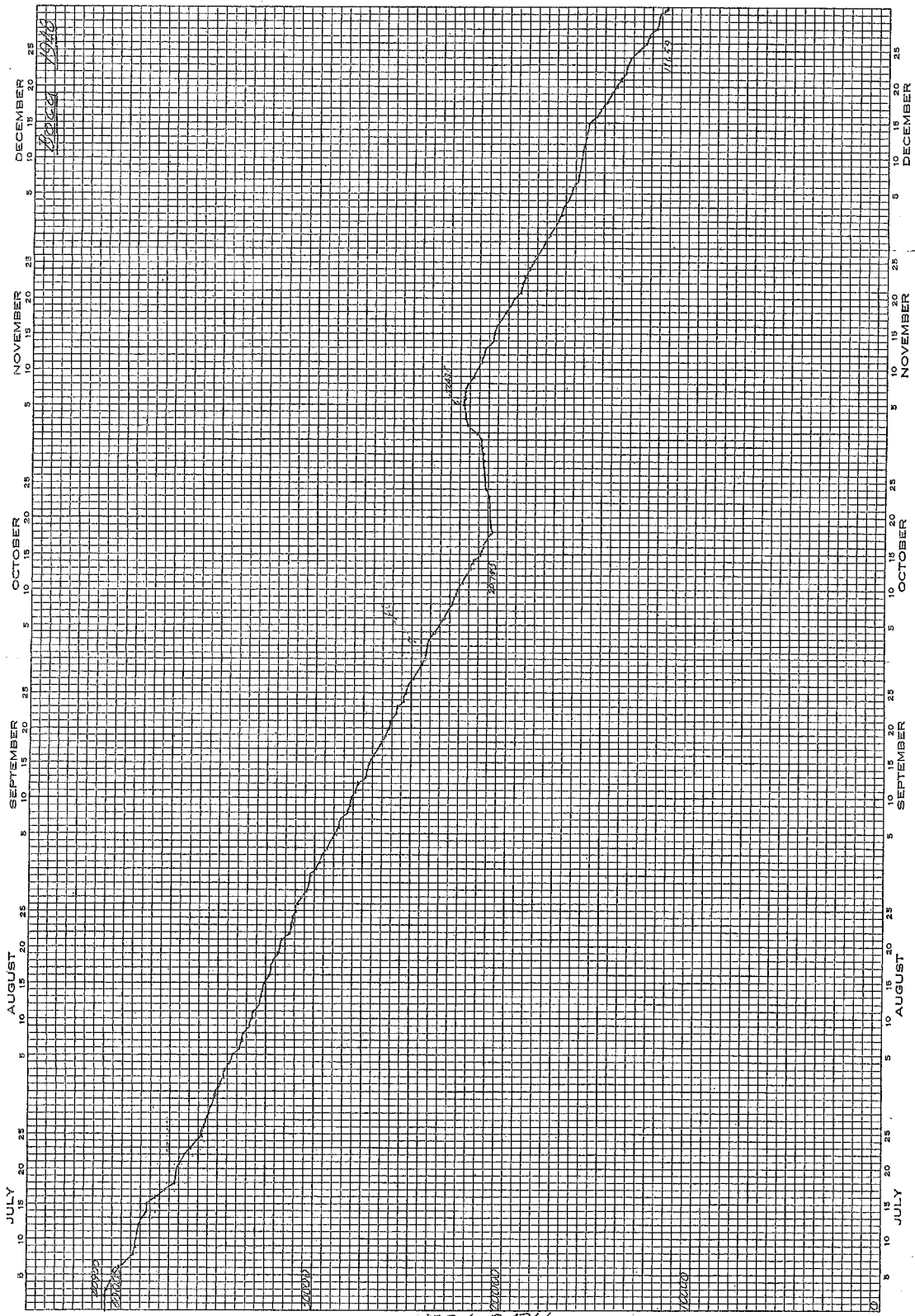


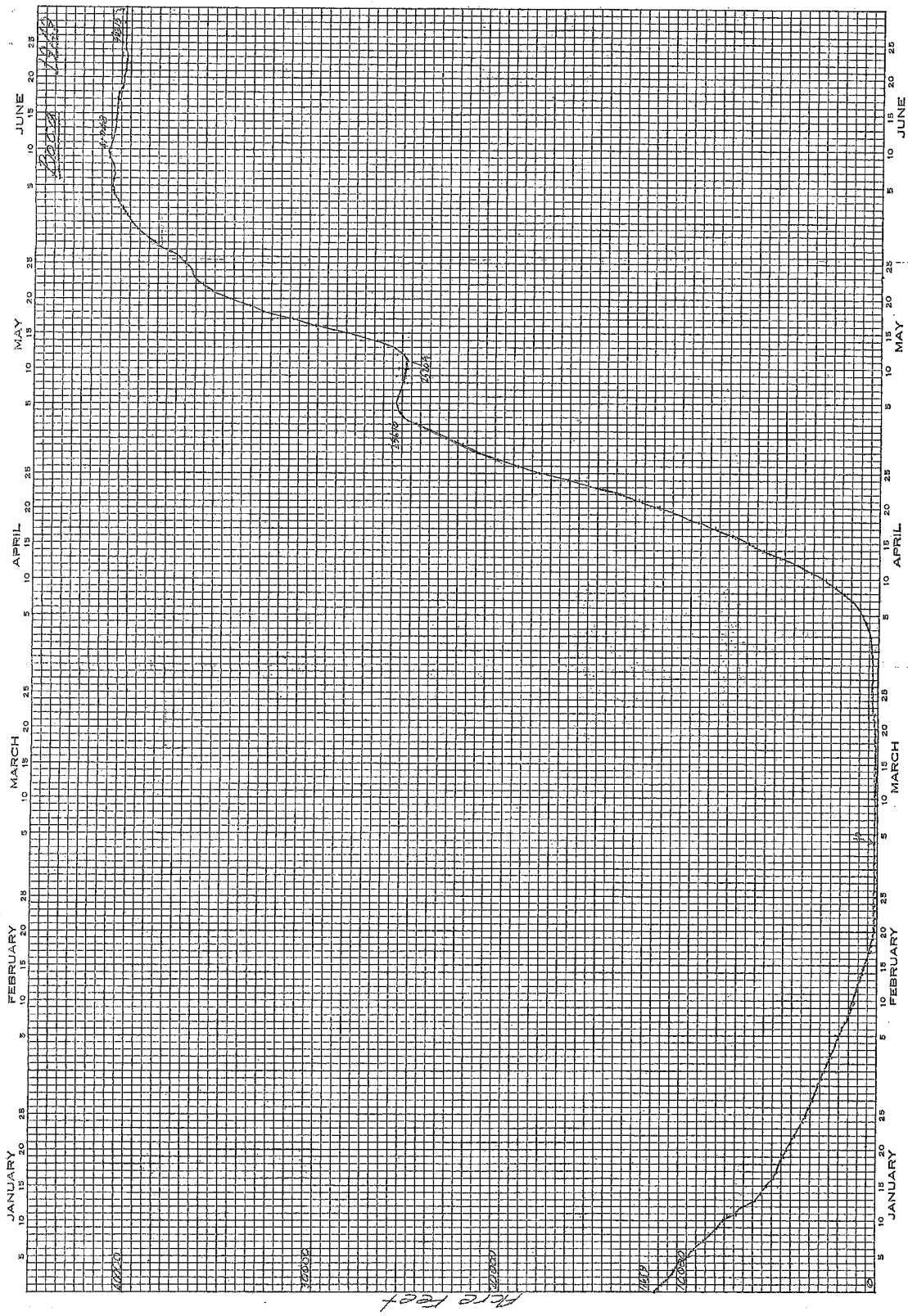
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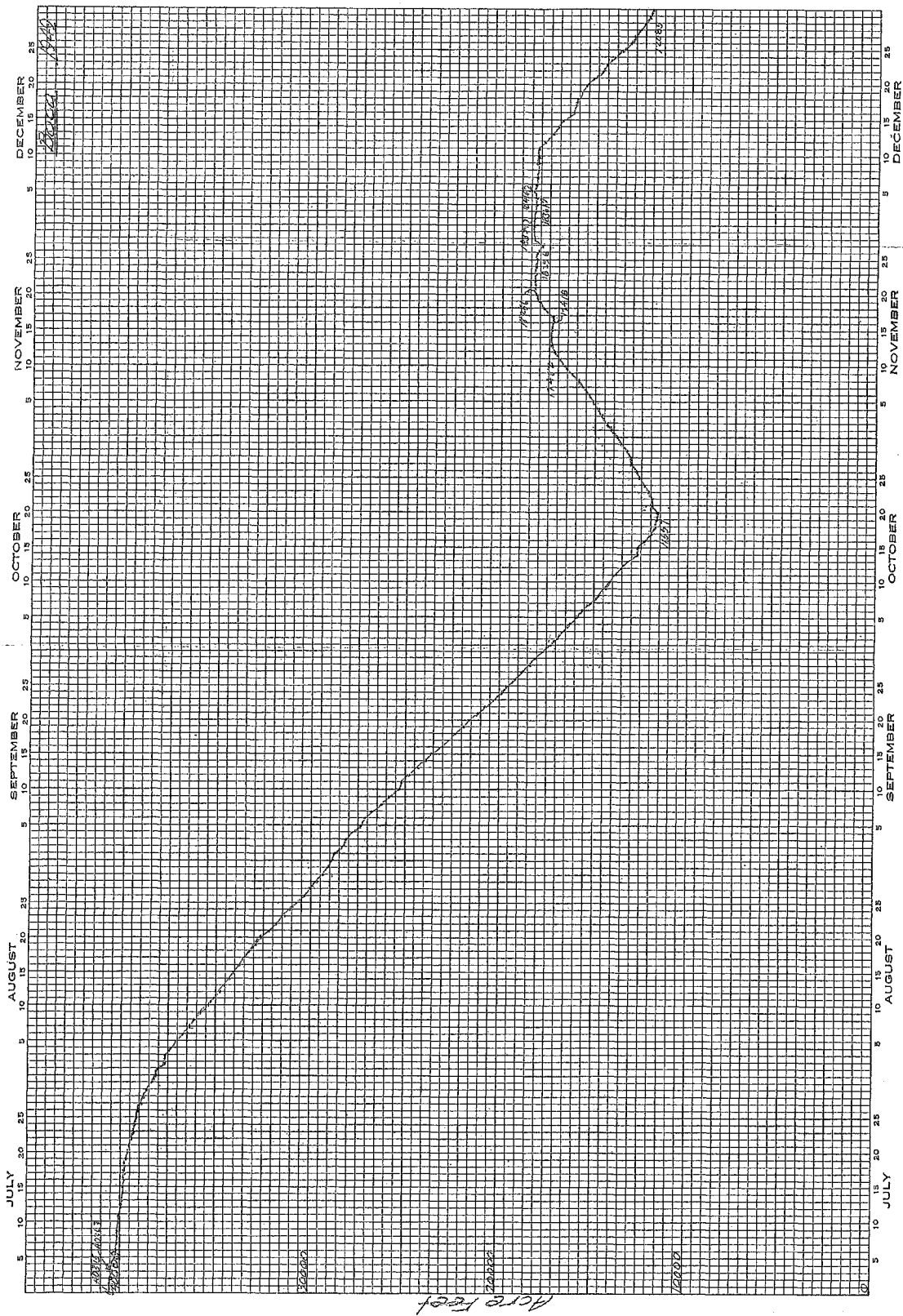
187 days X 88 (15 per month) divisions.
817 Months by Date, July to December.
KUPFER & BASSER CO., N. Y. NO. 259-1301
MADE IN U.S.A.

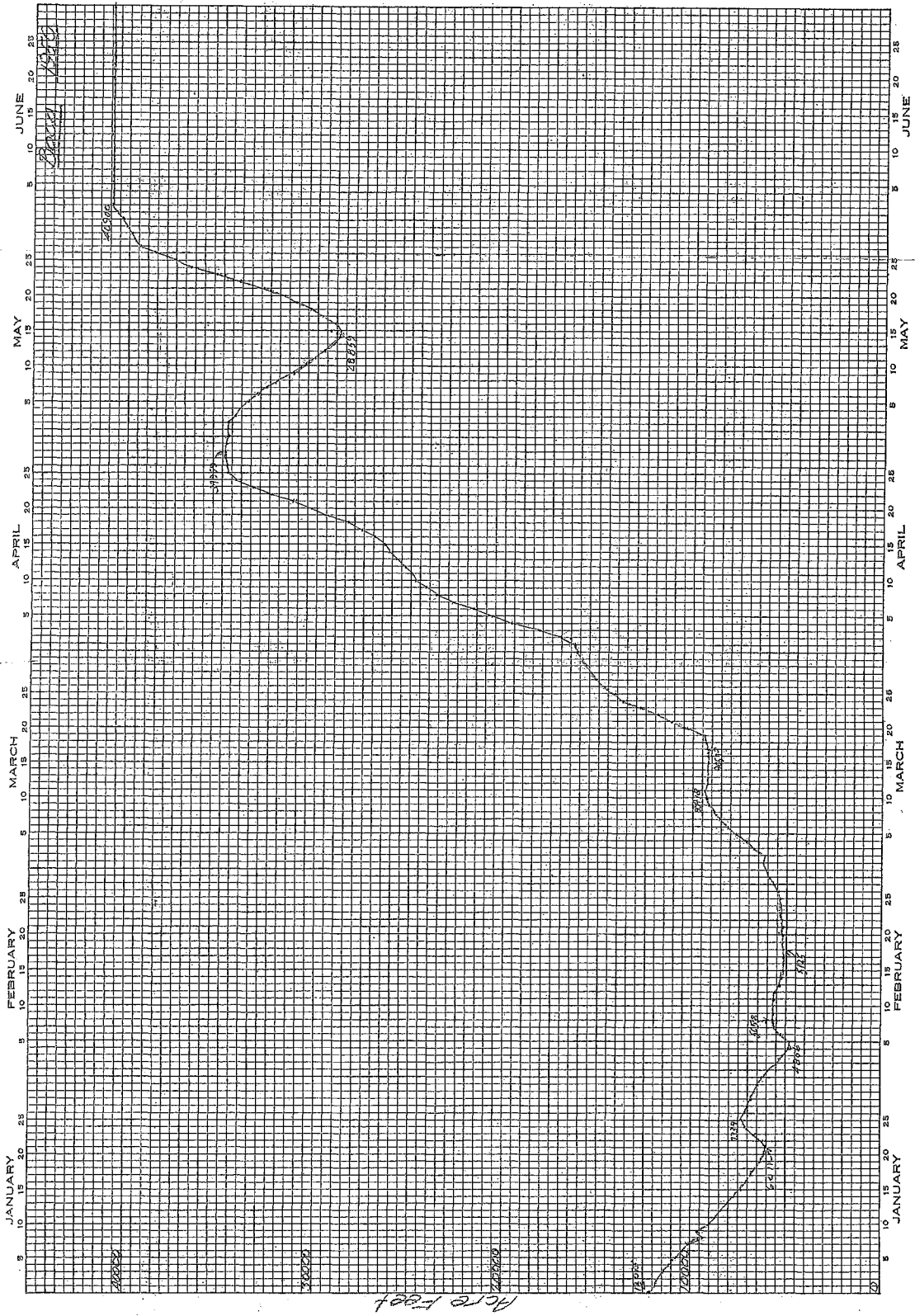


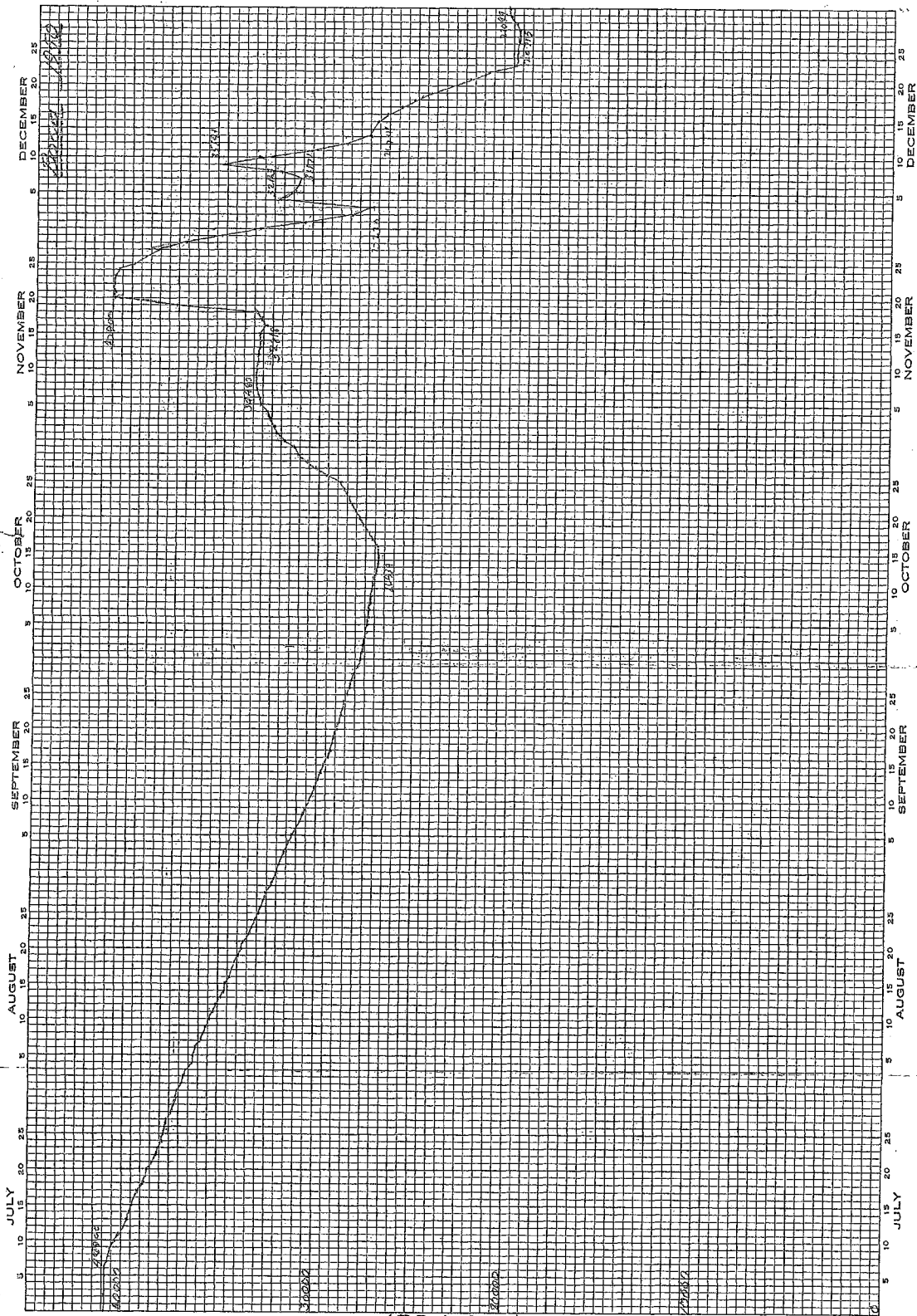
KARTEL & BROWN CO., N. Y. NO. 200-1374
 5 1/2" months by days, Jan. to June.
 100 days X 100 per inch diameter.
 MADE IN U.S.A.











Pore Feet