

NOTICE TO WATER WELL CONTRACTOR
The original and first copy
of this report are to be
filed with the
STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date
of well completion.

RECEIVED SHEET NO. 1
FEB 28 1968 WATER WELL REPORT
STATE OF OREGON
STATE ENGINEER
(Please type or print)

State Well No. 2/1-20
State Permit No.

(1) OWNER: SALEM, OREGON

Name RIVERGROVE WATER DISTRICT
Address 17725 S.W. Boones Ferry Rd.
Lake Oswego, Oregon

(2) LOCATION OF WELL:

County Clackamas Driller's well number
1/4 1/4 Section 20 T. 2S R. 1E W.M.
Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):

Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 13.

(4) PROPOSED USE (check):

Domestic Industrial Municipal Rotary Driven
Irrigation Test Well Other Cable Jetted
Dug Bored

(5) TYPE OF WELL:

Threaded Welded
Cable Jetted
Dug Bored

(6) CASING INSTALLED:

12" Diam. from 0 ft. to 431 ft. Gage 330
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS:

Perforated? Yes No
Type of perforator used Torch
Size of perforations 3/16 in. by 10 in.
162 perforations from 345 ft. to 427 ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(8) SCREENS:

Well screen installed? Yes No
Manufacturer's Name Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:

1st Seal at 106 ft.
* 2nd " " 35 ft.
Well seal—Material used in seal Cement, sand & gravel
Depth of seal 106 & 35 ft. Was a packer used? No
Diameter of well bore to bottom of seal 18 in.
Were any loose strata cemented off? Yes No Depth
Was a drive shoe used? Yes No
Was well gravel packed? Yes No Size of gravel:
Gravel placed from ft. to ft.
Did any strata contain unusable water? Yes No
Type of water? depth of strata
Method of sealing strata off

(10) WATER LEVELS:

Static level 185 ft. below land surface Date 5/8/67
Artesian pressure lbs. per square inch Date

(11) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No If yes, by whom Bottner Drig. Co.
Yield: 308 gal./min. with 85 ft. drawdown after 1 1/2 hrs.
" 325 " 155 " 1 " "
" 317 " 89 " 7 " "
Ballor test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes No

(12) WELL LOG: Diameter of well below casing Bottom

Depth drilled 430 ft. Depth of completed well 430 ft.
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Clay, yellow & boulders	0	19
Clay, blue	19	38
Clay, blue & boulders	38	60
Gravel, cemented	60	98
Rock, gray, hard	98	106
Rock, black, hard	106	130
Rock, black, soft	130	135
Rock, black, broken	135	152
Rock, black, hard	152	162
Rock, black, soft	162	190
Rock, gray, hard	190	198
Rock, gray, soft	198	201
Rock, gray w/ seams	201	208
Rock, gray, soft	208	210
Clay, white	210	213
Rock, gray	213	223
Rock, black, hard	223	241
Clay, brown	241	245
Rock, brown, coarse	245	248
Rock, gray, mdm, hard (gray, ice)	248	340
Rock, black, mdm, hard	340	358
Rock, red, Mdm, soft	358	384
Water level dropped from	see addition	
172' to 184' at 384 ft.	al. sheet	
Work started Nov. 21 1966	Completed May 8 1967	
Date well drilling machine moved off of well	May 11 1967	

(13) PUMP:

Manufacturer's Name H.P.
Type:

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME HAAKON BOTTNER DRILLING COMPANY
(Person, firm or corporation) (Type or print)
Address 3424 S.E. 174th. AVE. PORTLAND, ORE.

Drilling Machine Operator's License No. 2462 295

[Signed] Haakon Bottner
(Water Well Contractor)

Contractor's License No. 109 Date 6/12/67, 1967

CLAC 3189 p. 2

SHEET NO 2

NOTICE TO WATER WELL CONTRACTOR

The original and first copy of this report are to be filed with the

STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

03/78 WATER WELL REPORT

STATE OF OREGON (Please type or print)

State Well No. 2/1-20

State Permit No.

(1) OWNER:

Name RIVERGROVE Water District
Address 17725 S.W. BOONES FERRY RD. LAKE OSWEGO, OREGON

(2) LOCATION OF WELL:

County Driller's well number
Section T. R. W.M.
Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check):

Domestic Industrial Municipal Rotary Driven
Irrigation Test Well Other Cable Jetted
Dug Bored

(5) TYPE OF WELL:

(6) CASING INSTALLED:
Threaded Welded
Diam. from ft. to ft. Gage
Diam. from ft. to ft. Gage
Diam. from ft. to ft. Gage

(7) PERFORATIONS:

Perforated? Yes No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(8) SCREENS:

Well screen installed? Yes No
Manufacturer's Name
Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:

Well seal—Material used in seal
Depth of seal ft. Was a packer used?
Diameter of well bore to bottom of seal in.
Were any loose strata cemented off? Yes No Depth
Was a drive shoe used? Yes No
Was well gravel packed? Yes No Size of gravel:
Gravel placed from ft. to ft.
Did any strata contain unusable water? Yes No
Type of water? depth of strata
Method of sealing strata off

(10) WATER LEVELS:

Static level ft. below land surface Date
Artesian pressure lbs. per square inch Date

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes No

(12) WELL LOG:

Diameter of well below casing
Depth drilled ft. Depth of completed well ft.
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

Table with columns: MATERIAL, FROM, TO. Rows: Rock, red, hard (384-402), Rock, blue, hard (402-406), Rock, red, soft (406-422), Rock, red, hard (422-430)

SEE SHEET NO 1

Work started 19 Completed 19
Date well drilling machine moved off of well 19

(13) PUMP:

Manufacturer's Name
Type: H.P.

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME (Person, firm or corporation) (Type or print)
Address

Drilling Machine Operator's License No.

[Signed] Hooker Bottner (Water Well Contractor)

Contractor's License No. Date 6/12/67

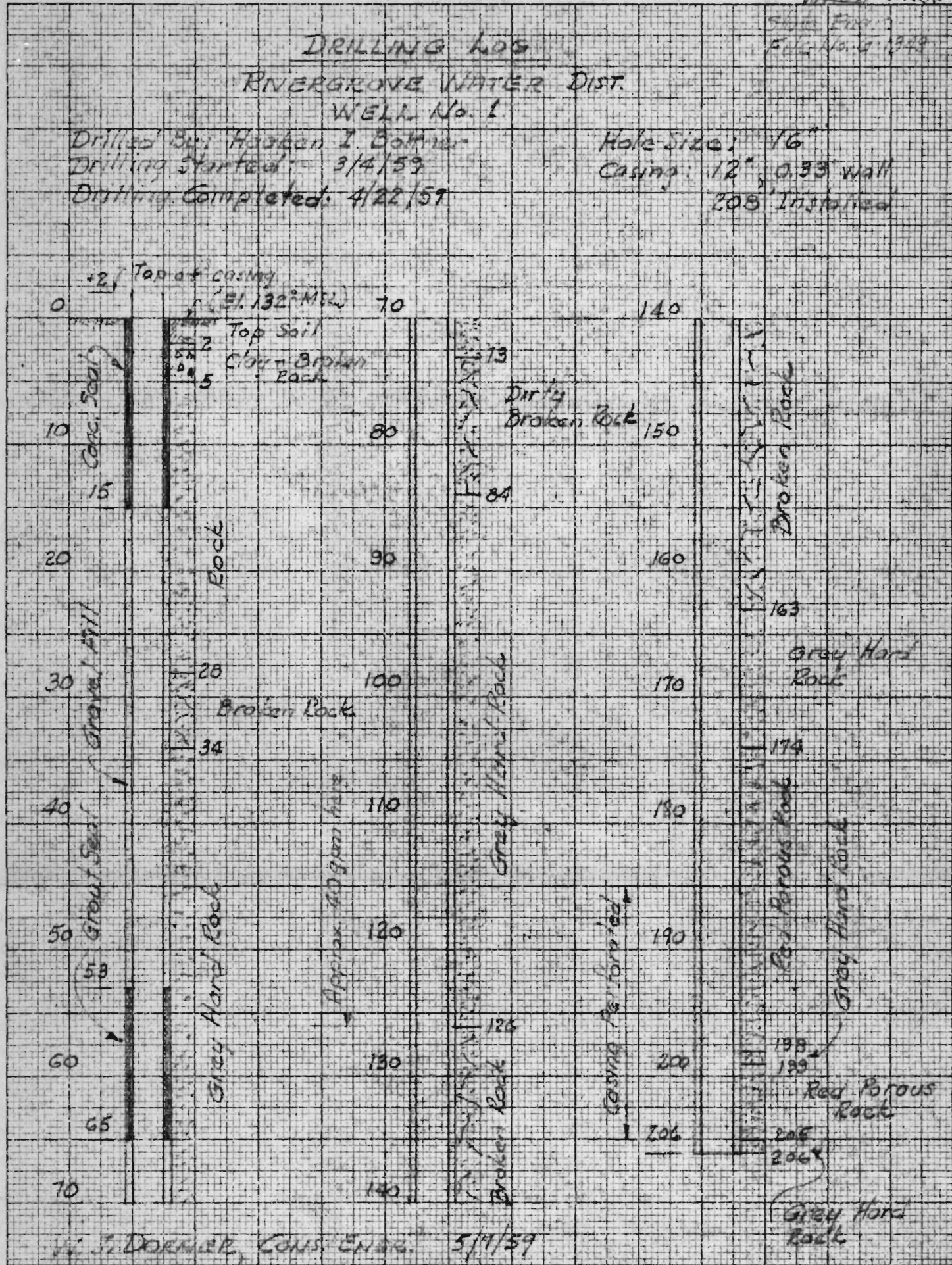
DRILLING LOG

RIVERGROVE WATER DIST.

WELL No. 1

Drilled By: Harbor I. Bohner
Drilling Started: 3/4/59
Drilling Completed: 4/22/59

Hole Size: 16"
Casing: 12" 0.33" wall
208' Installed

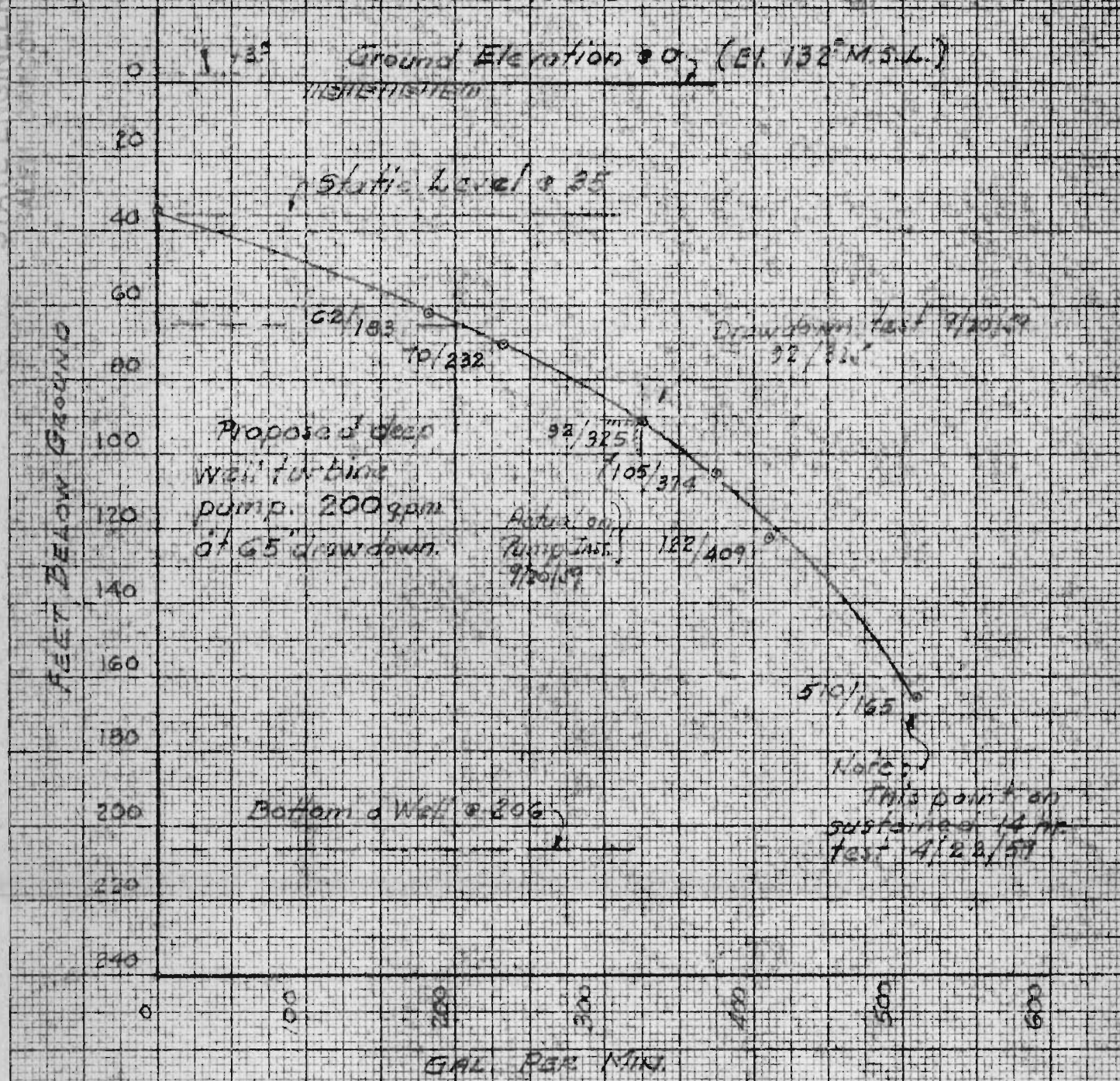


J. S. DORMAR, CONS. ENGR. 5/7/59

State Engineer
February 1959

No. Pump
Date 2-21-59
7/21/59

DRAWDOWN TEST
RIVERGROVE WATER DIST.
WELL No. 1



Test performed by
Horkan I. Bohner Well
Drilling Co. on 4/24/59

W. J. DORNER,
CONSULTING ENGINEER
MAY 7, 1959

RECEIVED
MAR 24 1961
STATE ENGINEER

ENGINEER NO. 356-12
10 for the

CLAC 3189

2/1-20Dk

TESTING
INSPECTION
RESEARCH



LABORATORY CERTIFICATE

Charlton Laboratories

CHEMISTS — BACTERIOLOGISTS — ENGINEERS

2340 S. W. JEFFERSON ST. P.O. BOX 1048 PORTLAND 7, OREGON
CAPITOL 8-9663

MEMBERSHIP IN
AMERICAN CHEMICAL SOCIETY
AMERICAN SOCIETY FOR TESTING MATERIALS
AMERICAN SOCIETY FOR METALS
AMERICAN WATER WORKS ASSN.
AMERICAN PUBLIC HEALTH ASSN.
CERTIFIED MARINE CHEMISTS
AMERICAN OIL CHEMISTS SOCIETY
PACIFIC N.W. SECTION OF
AMERICAN ASSN. OF GENERAL CHEMISTS
LABORATORIES
AMERICAN COUNCIL OF INDEPENDENT
LABORATORIES
AMERICAN CONCRETE INSTITUTE
SOCIETY OF AUTOMOTIVE ENGINEERS
AMERICAN WELDING SOCIETY
NATIONAL ASSOCIATION OF
CORROSION ENGINEERS
AMERICAN ELECTROPLATERS' SOCIETY

TO: River Grove Water District
18675 S. W. Pilkington Road
Oswego, Oregon

LABORATORY NO. 56889

DATE: April 30, 1959

SUBJECT: WELL WATER FROM WELL #1

DATE RECEIVED: 4-22-59

CHEMICAL ANALYSIS

pH Value

6.95

parts per million

Total Solids (Residue on Evaporation)	168
Volatile Solids (Loss on Ignition)	24
Alkalinity (as CaCO ₃)	
Carbonate	0
Bicarbonate	91
Hardness (as CaCO ₃)	88.0
Iron (Fe)	0.57
Silica (SiO ₂)	57.2
Aluminum (Al)	1.2
Calcium (Ca)	21.5
Magnesium (Mg)	8.3
Sodium	6.2
Potassium (K)	3.0
Manganese (Mn)	0.0
Chloride (Cl)	2.9
Sulfate (SO ₄)	2.6
Nitrate (NO ₃)	0.00
Fluoride (F)	0.0

This water is classed as a slightly hard bicarbonate type. The iron is a little higher than the standard maximum of 0.3 for municipal waters. This water should be satisfactory for general domestic and most industrial uses if it meets bacteriological standards.

CHARLTON LABORATORIES, INC.

JMH:ek
2c-W.J. Dorner
1c-Kenneth B. Carls

By

