RECEIVED
AUG 19 1959
STATE ENGINEER
SALEM, OREGON

OBSERVATION WELL
WATER WELL REPORT
STATE OF OREGON

File Original and First Copy with the STATE ENGINEER, SALEM, OREGON

State Well No. 8/4W-21E(2)

State Permit No. G-9395

(1) OWNER:
Name Roise Cascade Corp.

Address Independence, Oregon

(2) LOCATION OF WELL:
County Polk Owner's number, if any—

NW ¼ NE ¼ Section 21 T. 8S R. 4W W.M.

Bearing and distance from section or subdivision corner

300' South of NE Corner of NW¼ of SE¼ of NW¼

(3) TYPE OF WORK (check):
New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic [ ] Industrial [X] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(5) TYPE OF WELL:
Rotary [ ] Driven [ ]
Cable [X] Jetted [ ]
Dug [ ] Bored [ ]

(6) CASING INSTALLED:
Threaded [ ] Welded [X]

6 " Diam. from 0 ft. to 71 ft. Gage 3/16"

6 " Diam. from 0 ft. to 71 ft. Gage 3/16

" Diam. from ft. to ft. Gage

(7) PERFORATIONS:
Perforated? [X] Yes [ ] No

Type of perforator used Cutting torch

SIZE of perforations 3/16 in. by 6 in.

30 perforations from 41 ft. to 71 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 [X] No

Manufacturer's Name

Type Model No.

Slot size Set from ft. to ft.

Slot size Set from ft. to ft.

(9) CONSTRUCTION:
Was well gravel packed? [X] Yes [ ] No Size of gravel: ½" Crushed

Gravel placed from 4 ft. to 71 ft.

Was a surface seal provided? [X] Yes [ ] No To what depth? 6-8 ft.

Material used in seal— Gravel & Concrete

Did any strata contain unusable water? [ ] Yes [X] No

Type of water? Depth of strata

Method of sealing strata off

(10) WATER LEVELS:
Static level 27 ft. below land surface Date July 2-'59

Artesian pressure lbs. per square inch Date

Log Accepted by:

[Signed] (Owner) Date , 19

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

Was a pump test made? [ ] Yes [X] 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 [X] No

(12) WELL LOG:
Diameter of well 6 inches.

Depth drilled 85 ft. Depth of completed well 85 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
Top soil	0	3
brown Clay	3	26
sand & gravel	26	71
blue shale	71	85

Work started June 29 19 59 Completed July 3 19 59

(13) PUMP:
Manufacturer's Name Cal-State Corp.

Type: 6 MOM 2 (STARITE) H.P. 5 (Turbine)

Well Driller's Statement:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Art Clinton (Person, firm, or corporation) (Type or print)

Address Rt. 1 Box 2 Independance, Ore

Driller's well number

[Signed] Art Clinton (Well Driller)

License No. 14 Date July 6, 19 59

(USE ADDITIONAL SHEETS IF NECESSARY)

TESTING • CONSULTATION • INSPECTION • RESEARCH • INC

LABORATORY CERTIFICATE

Charlton Laboratories

CHEMISTS — BACTERIOLOGISTS — ENGINEERS

2340 S. W. JEFFERSON ST. CAPITOL 8-9663

P. O. BOX 1048

PORTLAND 7, OREGON

MEMBERSHIPS 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 CEREAL CHEMISTS
AMERICAN COUNCIL OF INDEPENDENT LABORATORIES
AMERICAN CONCRETE INSTITUTE
SOCIETY OF AUTOMOTIVE ENGINEERS
AMERICAN WELDING SOCIETY
NATIONAL ASSOCIATION OF CORROSION ENGINEERS
AMERICAN ELECTROPLATERS' SOCIETY

L. P.O. No 210-97 8/4W-21K(1) Polk Co

TO: Pacific Power & Light Co.
920 S. W. Sixth Avenue
Portland 4, Oregon

LABORATORY NO. 50747

DATE: July 25, 1957

SUBJECT: Water from well at Independence

DATE RECEIVED:

pH Value	6.92
	parts per million
Total Solids (Residue on Evaporation	222
Volatile Solids (Loss on Ignition)	43
Alkalinity (as $CaCO_3$)	
Carbonate	0
Bicarbonate	148
Hardness (as $CaCO_3$)	148
Silica (SiO_2)	30.8
Calcium (Ca)	32.9
Magnesium (Mg)	16.5
Sodium & Potassium (as Na)	17.0
Iron (Fe)	0.96
Aluminum (Al)	1.2
Manganese (Mn)	0.18
Chloride (Cl)	14.2
Sulfate (SO_4)	13.3
Nitrate (NO_3)	0.25
Fluoride (F)	0.0

This water is classed as a hard bicarbonate type. It is quite high in iron which will probably cause some staining of fixtures, etc. Because of its hardness it will require treatment for use in steam boiler operation.

CHARLTON LABORATORIES, INC.

By J. M. Hughes

COPY, ORIGINAL SIGNED ELSEWHERE

JMH:ek
3c