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STATE ENGINEER
SALEM, OREGON
PAGE 1

WATER WELL REPORT
STATE OF OREGON

State Well No. _____
State Permit No. G 970

(1) OWNER: (DOUGLASS CEMETERY)
Name Multnomah County HENSLEY ROAD
Address County Court House TROUTDALE,
Portland 4, OREGON OREGON

(2) LOCATION OF WELL: Project No. 330
Contract No. 1043-8-59
County Multnomah Owner's number, if any-1043-8-59
1/4 Section T. R. W.M.

Bearing and distance from section or subdivision corner
Beginning at the N.E. Sec. 35 T.1.N.R.3.E.
W.M.; thence south along the center of
Hensley Rd. # 565, 924.0 ft.; thence
East 115.2' to the center of 12" well
ed recorded Bk. 1913 Pg 410

(3) TYPE OF WORK (check):
New Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 11.

PROPOSED USE (check): (5) TYPE OF WELL:
Domestic Industrial Municipal Rotary Driven
Irrigation Test Well Other Cable Jetted
Dug Bored

(6) CASING INSTALLED: Threaded Welded
12" Diam. from 0 ft. to 485 ft. Gage 3/8
" Diam. from _____ ft. to _____ ft. Gage _____
" Diam. from _____ ft. to _____ ft. Gage _____

(7) PERFORATIONS: Perforated? Yes No
Type of perforator used Star 4 way drive down
SIZE of perforations 3/8" in. by 1 1/2 in.
(72) perforations from 170 ft. to 173 ft.
(72) perforations from 296 ft. to 299 ft.
(48) perforations from 449 ft. to 451 ft.
(48) perforations from 464 ft. to 468 ft.

(8) SCREENS: Well screen installed Yes No
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
a. _____ Slot size _____ Set from _____ ft. to _____ ft.

(9) CONSTRUCTION:
Was well gravel packed? Yes No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.
Was a surface seal provided? Yes No To what depth? 74 ft.
Material used in seal- sand, gravel & cement
Did any strata contain unusable water? Yes No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(10) WATER LEVELS:
Static level 196 ft. below land surface Date 7/22/59
Artesian pressure _____ lbs. per square inch Date _____
Log Accepted by: _____
[Signed] _____ Date _____, 19____
(Owner)

(11) WELL TESTS: Drawdown is amount water level is lowered below static level
Static 196 ft. BOTNER DRILLING
Was a pump test made? Yes No If yes, by whom? -
Yield: 330 gal./min. with 5ft. drawdown after 1 hrs.
" 425 " 16ft. " 2 "
" 535 " 21ft. " 3 "
Ballor test 550 gal./min. with 22ft. drawdown after 6 hrs
Artesian flow 300 to 490 s.p.m. Date for 2 1/2 Hrs. Plus s
Temperature of water 47 Was a chemical analysis made? Yes No

(12) WELL LOG: Diameter of well 12 inches.
Depth drilled 552 ft. Depth of completed well 552 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
Yellow Clay & Gravel	3	21
Cemented Gravel & Boulders	21	35
Yellow Clay & Gravel	35	70
" " & Sand	70	134
Cemented Gravel	134	140
" " & Boulders	140	161
Sand	161	163
Gravel	163	173
Gravel & Sand	173	178
Cemented Gravel & Boulders	178	197
Sandy Yellow Clay	197	205
Yellow sand	205	207
Cemented Gravel	207	248
Sand & Gravel	248	252
Cemented Gravel	252	279
Yellow Clay & Gravel	279	285
Cemented Gravel	285	293
Water Gravel	293	297
Water Gravel & Sand	297	301
Cemented Gravel	301	306
Blue Clay	306	314
Brown Clay & Gravel	314	321
Yellow Clay & Gravel	321	335
Dark Brown Silt	335	340 (Con

Work started May 1 1959 Completed July 21 1959

(13) PUMP:
Manufacturer's Name _____
Type: _____ H.P. _____

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 HAAKON I. BOTNER WELL DRILLING
(Person, firm, or corporation) (Type or print)
Address 11544 N. E. GLISAN ST. PORTLAND ORE
Driller's well number _____
[Signed] Hakon I. Botner (Well Driller)
License No. 109 Date AUGUST 4, 1959

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IN/3-36D(11)

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STATE ENGINEER,
SALEM, OREGON

CON'T from page 1 WATER WELL REPORT
STATE ENGINEER
for SALEM, OREGON

State Well No. _____
State Permit No. G 970

(1) OWNER: (DOUGLASS
Name MULTNOMAH COUNTY CEMETERY)
Address _____

(2) LOCATION OF WELL:
County _____ Owner's number, if any— _____
¼ 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 11.

(4) PROPOSED USE (check): (5) TYPE OF WELL:
Domestic Industrial Municipal Rotary Driven
Irrigation Test Well Other Cable Jetted
Dug Bored

(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 _____
Type _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
In. _____ Slot size _____ Set from _____ ft. to _____ ft.

(9) CONSTRUCTION:
Was well gravel packed? Yes No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.
Was a surface seal provided? Yes No To what depth? _____ ft.
Material used in seal— _____
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 _____

Log Accepted by: _____
[Signed] Multnomah County Date 8-10, 1959
BY: d.w. Brown
A. M. Brown

(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.
" " " " "
" " " " "
Baller 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 _____ inches.
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.

Cont'd	MATERIAL	FROM	TO
	Blue Clay	340	355
	Green Shale	355	360
	Sand Stone	360	365
	Blue Clay & Gravel	365	375
	Hard Brown Shale	375	390
	Blue Clay	390	425
	Blue Sand & Clay	425	447
	Gravel & Sand	447	449
	Cemented Gravel	449	464
	Gravel	464	468
	Cemented Gravel	468	472
	Sand	472	477
	Cemented Gravel	477	496
	Hard Rock	496	511
	Soft Lava Rock w/Crevices	511	514
	Soft Rock (Water Bearing)	514	516 1/2
	Porous Blue Shale	516 1/2	519
	Hard Rock	519	552

Note: (1st. Trial Test Pump) at 278 ft. bailed approx. 60 G.P.M. with 25 ft. draw down, water at seams, installed test pump pumped to much sand (unusable) Final T. Pump: set at 288 ft. water crystal clear in 5 minutes, sand free.
Work started _____ 19 _____ Completed _____ 19 _____

(13) PUMP: Will estimate 1000 to 1500 G.P.M. with a total draw down approx. _____
Manufacturer's Name _____ 50 ft. _____ H.P. _____
Type: _____

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 HAAKON I. BOTTNER WELL DRILLING
(Person, firm, or corporation) (Type or print)
Address 11544 N. E. GLISAN ST.
PORTLAND 20, ORE.
Driller's well number _____
[Signed] Haakon I. Bottner
(Well Driller)
License No. 109 Date AUG. 4, 1959