

STATE ENGINEER  
Salem, Oregon

# Well Record

STATE WELL NO. 7/3W-3(1)  
COUNTY Marion  
APPLICATION NO. GR-24

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OWNER: Manbrin Gardens Inc. MAILING ADDRESS: Box 48

LOCATION OF WELL: Owner's No. Shoreline CITY AND STATE: Salem, Oregon

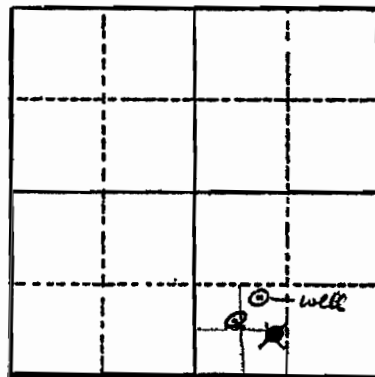
SW 1/4 SE 1/4 Sec. 3 T. 7 S., R. 3 W., W.M.

Bearing and distance from section or subdivision  
corner Lot 7, Block 14, Manbrin Gardens,  
Annex #2

Altitude at well 131 feet interpolated

TYPE OF WELL: Drilled Date Constructed May 1953

Depth drilled 140 feet Depth cased 130 feet



Section 3

### CASING RECORD:

10-inch casing set from 0 to 130 feet

### FINISH:

3/8" perforations set from 104' to 135 feet 12 perf./foot and 31 rows

### AQUIFERS:

gravels, from 34' to 40 feet and from 99' to 136 feet below land surface

### WATER LEVEL:

40 feet below land surface May 1953

PUMPING EQUIPMENT: Type Berkeley Turbine H.P. 25  
Capacity 500 G.P.M.

### WELL TESTS:

Drawdown 98 ft. after 465 hours 465 G.P.M.

Drawdown \_\_\_\_\_ ft. after \_\_\_\_\_ hours \_\_\_\_\_ G.P.M.

USE OF WATER Municipal Temp. \_\_\_\_\_ °F., 19 \_\_\_\_\_

SOURCE OF INFORMATION GR-20

DRILLER or DIGGER \_\_\_\_\_

### ADDITIONAL DATA:

Log  Water Level Measurements \_\_\_\_\_ Chemical Analysis \_\_\_\_\_ Aquifer Test \_\_\_\_\_

### REMARKS:

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SALEM, OREGON



SANITARY ENGINEERING LABORATORY

REPORT OF MINERAL ANALYSIS OF WATER

Location of source Manbrin Gardens Description of source Well #2

Analysis by M.H.P. Date 3/9/54 Collected by J.L.A. Date 2/4/54

RESULTS

Parts per million

Turbidity	_____
Color: Apparent	_____ True <u>3</u>
Odor: Hot	_____ Cold _____
Total Solids	<u>261</u>
Loss on Ignition	<u>86</u>
Silicon (SiO <sub>2</sub> )	<u>39</u>
Chloride (Cl)	<u>13.5</u>
Sulfate (SO <sub>4</sub> )	<u>19.9</u>
Calcium (Ca)	<u>19.6</u>
Magnesium (Mg)	<u>18</u>
Aluminum (Al)	<u>0</u>
Orthophosphates (PO <sub>4</sub> )	<u>.2</u>
Metaphosphates (PO <sub>3</sub> ) <sub>6</sub>	_____
Alkalinity (as CaCO <sub>3</sub> ): Carbonate	<u>0</u>
Bicarbonate	<u>127</u>
Hardness (as CaCO <sub>3</sub> )	<u>127</u>
Sodium and Potassium (as Na)	<u>12</u>
Iron (Fe)	<u>.3</u>
Manganese (Mn)	<u>.25</u>
Fluoride (F)	<u>0</u>
Carbon Dioxide (CO <sub>2</sub> )	<u>2.5</u>
pH	<u>8.0</u>

Remarks \_\_\_\_\_

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SALEM, OREGON

Marion

7/3w-3 dca,  
202

Oregon State Board of Health

SANITARY ENGINEERING LABORATORY

REPORT OF MINERAL ANALYSIS OF WATER

Location of source Marbrin Gardens Description of source Well #1

Analysis by M.R.P. Date 3/9/54 Collected by J.L.A. Date 2/4/54

RESULTS

Parts per million

Turbidity \_\_\_\_\_

Color: Apparent \_\_\_\_\_ True 3

Odor: Hot \_\_\_\_\_ Cold \_\_\_\_\_

Total Solids \_\_\_\_\_ 209

Loss on Ignition \_\_\_\_\_ 88

Silicon (SiO<sub>2</sub>) \_\_\_\_\_ 39

Chloride (Cl) \_\_\_\_\_ 10.5

Sulfate (SO<sub>4</sub>) \_\_\_\_\_ 3.1

Calcium (Ca) \_\_\_\_\_ 20.0

Magnesium (Mg) \_\_\_\_\_ 17.5

Aluminum (Al) \_\_\_\_\_ 0

Orthophosphates (PO<sub>4</sub>) \_\_\_\_\_ .5

Metaphosphates (PO<sub>3</sub>)<sub>6</sub> \_\_\_\_\_

Alkalinity (as CaCO<sub>3</sub>): Carbonate \_\_\_\_\_ 0

Bicarbonate \_\_\_\_\_ 125

Hardness (as CaCO<sub>3</sub>) \_\_\_\_\_ 122

Sodium and Potassium (as Na) \_\_\_\_\_ 12

Iron (Fe) \_\_\_\_\_ .2

Manganese (Mn) \_\_\_\_\_ 0

Fluoride (F) \_\_\_\_\_ 0

Carbon Dioxide (CO<sub>2</sub>) \_\_\_\_\_ 3

pH 7.9

Remarks \_\_\_\_\_

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SALEM, OREGON

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6S/3W/33da

STATE OF OREGON WATER WELL REPORT (as required by ORS 537.785)

WATER RESOURCES DEPT. SALEM, OREGON

(START CARD) # 16980

(1) OWNER: Name City of Salem Well Number: Address City Salem State OR Zip 97310

(2) TYPE OF WORK: [X] New Well [ ] Deepen [ ] Recondition [ ] Abandon

(3) DRILL METHOD [ ] Rotary Air [ ] Rotary Mud [X] Cable [ ] Other

(4) PROPOSED USE: [ ] Domestic [ ] Community [ ] Industrial [ ] Irrigation [ ] Thermal [ ] Injection [X] Other test production

(5) BORE HOLE CONSTRUCTION: Special Construction approval Yes No [ ] Yes [X] No Depth of Completed Well 27 ft. Explosives used [ ] [X] Type Amount

Table with columns: HOLE Diameter, SEAL Material, Amount sacks or pounds. Rows: 16" 0' 100' cement grout 0' 100' 83 sacks; bentonite 5 sacks

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E Backfill placed from 0 ft. to 0 ft. Material Gravel placed from 0 ft. to 0 ft. Size of gravel

(6) CASING/LINER: Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Rows for Casing and Liner.

(7) PERFORATIONS/SCREENS: [X] Screens Type Material stainless

Table with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner. Rows for perforations at 122-128, 128-158, 158-168.

(8) WELL TESTS: Minimum testing time is 1 hour [ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian Yield gal/min 400 Drawdown Drill stem at 165 Time 1 hr.

Temperature of water Depth Artesian Flow Found Was a water analysis done? [ ] Yes [ ] No By whom Did any strata contain water not suitable for intended use? [ ] Too little [ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other Depth of strata:

(9) LOCATION OF WELL by legal description: County Marion Latitude Longitude Township 6S Nor S, Range 3W E or W, WM. Section 33 NE 1/4 SE 1/4 Tax Lot 1500 Lot Block Subdivision Street Address of Well (or nearest address) 5000 block, 17th Ave (in nut orchard)

(10) STATIC WATER LEVEL: 27 ft. below land surface. Date 11-20-89 Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES: Table with columns: From, To, Estimated Flow Rate, SWL. Rows: 106-125 (27), 31-42 (27), 171 (27)

(12) WELL LOG: Table with columns: Material, From, To, SWL. Rows: Silty clay brown (0-18), Gravels clay brown (18-31), Gravels med-small sand brn (31-42), Cemented gravels (42-52), Cleaner gravels (52-71), Sand brown (71-73), Gravels cemented brown (73-76), Gravels cemented grey (76-92), Clay grey (92-106), Gravels small-med gray sand (106-128), Packed sand grey clay (128-131), Gravels tight grey sand with cemented streaks grey (131-159), Gravels cemented brown (159-168), Sand with clay brown (168-171), Sand gravels brown (171-27)

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WATER RESOURCES DEPT SALEM, OREGON

Date started 10-26-89 Completed 11-20-89

(unbonded) Water Well Constructor Certification: I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief. Signed [Signature] WWC Number 758 Date 11-30-89

(bonded) Water Well Constructor Certification: I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief. Signed [Signature] WWC Number 723 Date 12-4-89