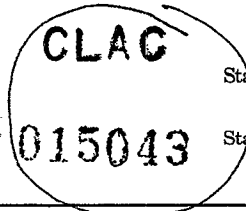


**WATER WELL REPORT**  
STATE OF OREGON

**RECEIVED**  
DEC 10 1980  
WATER RESOURCES DEPT  
SALEM, OREGON



State Well No. 55/60E-2200  
State Permit No. \_\_\_\_\_

**(1) OWNER:**  
Name Portland General Electric Company  
Address 121 S. W. Salmon Street  
City Portland State Oregon

**(2) TYPE OF WORK (check):**  
New Well  Deepening  Reconditioning  Abandon   
If abandonment, describe material and procedure in Item 12.

**(3) TYPE OF WELL:** **(4) PROPOSED USE (check):**  
 Air  Driven  Domestic  Industrial  Municipal   
 Rotary Mud  Dug  Irrigation  Test Well  Other   
 Cable  Bored  Thermal  Withdrawal  ReInjection

**(5) CASING INSTALLED:** Steel  Plastic   
 Threaded  Welded   
6" Diam. from +1 1/2 ft. to 117 ft. Gauge .250  
 " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gauge \_\_\_\_\_

**LINER INSTALLED:**  
 \_\_\_\_\_" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gauge \_\_\_\_\_

**(6) 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.

**(7) SCREENS:** Well screen installed?  Yes  No  
 Manufacturer's Name \_\_\_\_\_  
 Type \_\_\_\_\_ Model No. \_\_\_\_\_  
 Diam. \_\_\_\_\_ Slot Size \_\_\_\_\_ Set from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Diam. \_\_\_\_\_ Slot Size \_\_\_\_\_ Set from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**WELL TESTS:** Drawdown is amount water level is lowered below static level  
 Was a pump test made?  Yes  No If yes, by whom?  
 Field: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 " " " " " " " " " " " "  
 Air test \_\_\_\_\_ gal./min. with drill stem at \_\_\_\_\_ ft. \_\_\_\_\_ hrs.  
 Per test 27 gal./min. with 78 ft. drawdown after 1 hrs.  
 Artesian flow \_\_\_\_\_ g.p.m.  
 Temperature of water 49° Depth artesian flow encountered \_\_\_\_\_ ft.

**(9) CONSTRUCTION:** Special standards: Yes  No   
 Well seal—Material used Cement grout  
 Well sealed from land surface to \_\_\_\_\_ ft.  
 Diameter of well bore to bottom of seal 10 in.  
 Diameter of well bore below seal 6 in.  
 Number of sacks of cement used in well seal 17 sacks  
 How was cement grout placed? Pumped through a one-inch plastic pipe between the ten-inch hole and the six-inch casing.  
 Was pump installed? No Type \_\_\_\_\_ HP \_\_\_\_\_ Depth \_\_\_\_\_ ft.  
 Was a drive shoe used?  Yes  No Plugs \_\_\_\_\_ Size: location \_\_\_\_\_ ft.  
 Did any strata contain unusable water?  Yes  No  
 Type of Water? \_\_\_\_\_ depth of strata \_\_\_\_\_  
 Method of sealing strata off \_\_\_\_\_  
 Was well gravel packed?  Yes  No Size of gravel: 3/4 minus  
 Gravel placed from 22 ft. to 117 ft.

**(10) LOCATION OF WELL:**  
 County Clackamas Driller's well number 39-40  
SW 1/4 SW 1/4 Section 22 T. 5-S R. 6-E W.M.  
 Tax Lot # \_\_\_\_\_ Lot \_\_\_\_\_ Blk \_\_\_\_\_ Subdivision \_\_\_\_\_  
 Address at well location: Three Lynx area of the Oak Grove project.

**(11) WATER LEVEL: Completed well.**  
 Depth at which water was first found 173 ft.  
 Static level 77 ft. below land surface. Date 11-13-80  
 Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:** Diameter of well below casing 6 inch  
 Depth drilled 220 ft. Depth of completed well 220 ft.  
 Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Clay; boulders	0	46	
Rock; broken, grey-brown	46	109	
Rock; grey-brown	109	138	
Rock; grey	138	164	
Rock; brown	164	173	
Rock; grey	173	220	77

Work started October 16, 1980 Completed Nov. 13, 1980  
 Date well drilling machine moved off of well November 14, 1980

**Drilling Machine Operator's Certification:**  
 This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.  
 [Signed] Ronald F. McConnell Date 12-8, 1980  
 Ronald F. McConnell (Drilling Machine Operator)  
 Drilling Machine Operator's License No. 398

**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 Steinman Bros. Drilling Co. (Type or print)  
 Address 3023 S. E. Holly Avenue, Milwaukie, Oregon 97222  
 [Signed] Ronald F. McConnell  
 Ronald F. McConnell (Water Well Contractor)  
 Contractor's License No. 1 Date December 8, 1980

**NOTICE TO WATER WELL CONTRACTOR**  
 The original and first copy of this report with the \_\_\_\_\_

WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310  
 with \_\_\_\_\_ days from the \_\_\_\_\_ well completion. SP\*12658-690