

MAY - 2 1988

CLAC 13343 CLAC

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STATE OF OREGON WATER WELL REPORT (as required by ORS 537.765)

WATER RESOURCES DEPARTMENT SALEM, OREGON

S.C. #2967

(1) OWNER: Well Number: 1 Name: Howard Calcagno Address: 5636 N.E. Ainsworth City: Portland State: OR Zip: 97218

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

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

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

(5) BORE HOLE CONSTRUCTION: Special Construction approval Yes No Depth of Completed Well 258 ft. Explosives used [] [X] Type Amount

Table with columns: Diameter, From, To, Material, SEAL From, To, Amount sacks or pounds. Row 1: 18, 0, 284, Cement, 0, 42, 99 sacks

How was seal placed: Method [] A [] B [X] C [] D [] E [] Other Backfill placed from 42 ft. to 160 ft. Material #6 aqua Filter pack placed from 160 ft. to 284 ft. Size of gravel #8 aqua

(6) CASING/LINER: Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Casing: 10, +3, 145.5, .250, [X], [], [X], []. Liner: 8, 136.5, 258, .250, [X], [], [X], []. Except at screens

(7) PERFORATIONS/SCREENS: [X] Screens Method Type V shape wire wrap Material 304 S.S. Table with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner. Rows: 146-160, 179-200, 208-212, 227-248

(8) WELL TESTS: Minimum testing time is 1 hour [X] Pump [] Bailer [] Air [] Flowing Artesian. Table with columns: Yield gal/min, Drawdown, Drill stem at, Time. Rows: 350, 75, 1 hr; 350, 85, 3 hrs; 350, 87, 4 hrs

Temperature of water ~ 55°F Depth Artesian Flow Found Was a water analysis done? [] Yes 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 Clack. Latitude Longitude Township 4S N or S, Range 1E E or W, WM. Section 19 NW 1/4 of SW 1/4 Tax Lot 00500 Lot Block Subdivision Street Address of Well (or nearest address) 27550 S. Meridian Road Aurora, OR 97002

(10) STATIC WATER LEVEL: 30 ft. below land surface. Date 4/27/88 Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES: Depth at which water was first found Indeterminate. Table with columns: From, To, Estimated Flow Rate, SWL. Row 1: At (7) screen intervals See (8) & (10)

(12) WELL LOG: Ground elevation Approx. 155. Table with columns: Material, From, To, SWL. Content: See attached log

Date started 4/4/88 Completed 4/29/88 (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 Donald A. Davis WWC Number 1085 Date 4/29/88

(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 Stephen Schneider WWC Number 649 Date 4/29/88

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WATER RESOURCES DEPT.
SALEM, OREGON

Howard Calcagno

Well Log

0	3	Top soil
3	23	Clay, brown, fine sandy, dry
23	28	Sand, brown w/some pea gravel
28	35	Sand, brown, cemented
35	42	Clay, brownish-gray
42	45	Sand, gray, fine
45	47	Clay, gray
47	51	Sand, black, fine-medium
51	53	Clay, gray, fine sandy
53	58	Sandy, black, medium, some cemented
58	63	Clay, gray
63	66	Sand, black, medium
66	72	Clay, blue-gray, black, soft
72	79	Clay, gray, fine sandy
79	89	Gravel, 3" minus & sand, medium
89	93	Clay, blue-firm, flaky
93	94	Sandstone, blue-green, fine
94	96	Clay, blue-green, fine sandy
96	102	Clay, blue-green, medium streaked
102	107	Clay, blue & brown, streaked, medium
107	110	Clay, gray, medium-firm
110	113	Clay, blue & green, streaked, firm
113	117	Clay, blue, gritty
117	120	Clay, blue-fine sandy
120	121	Sandstone, blue, fine sandy
121	127	Clay, blue-gray, firm
127	140	Clay, blue-firm
140	142	Clay, blue-green, fine sandy, dry
142	146	Clay, dark, blue-green, fine sandy, dry
146	147	Clay, blue, medium sandy
147	150	Sand, coarse, w/some pea gravel
150	151	Sandstone, gray, hard
151	153	Sand, coarse, w/small gravel
153	155	Clay, blue-green, medium
155	157	Clay, blue-green, sandy w/some sand cemented
157	159	Sand, cemented, medium, dark, blue-green w/clay
159	166	Clay, gray & brown streaked, firm
166	169	Clay, blue-gray, flaky
169	173	Clay, blue-green, firm
173	175	Clay, blue-green, sandy, firm
175	178	Clay, blue-gray, w/sandy streaks
178	180	Clay, blue, medium sandy
180	183	Sand, coarse, black, medium w/some clay
183	187	Clay, gray, coarse, sandy
187	190	Sand, coarse w/pea gravel
190	195	Clay, gray, medium

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195	196	Sand, medium
196	198	Clay, black
198	199	Sandstone, black, fine
199	202	Clay, blue-green
202	209	Clay, gray
209	210	Sand, black, fine
210	211	Siltstone, black, fine
211	220	Clay, black
220	227	Clay, gray, hard, flaky
227	231	Sand, medium, black, cemented
231	238	Sand, medium, gray, cemented
238	243	Clay, blue & sand, medium some cemented
243	247	Clay & cemented sand, medium
247	271	Clay, gray, soft
271	284	Clay, blue, firm

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"START CARD"
NOTICE OF BEGINNING OF WELL CONSTRUCTION
(as required by ORS 537.762)

WATER RESOURCES DEPT.
SALEM, OREGON

This form must be completed, signed by both the owner (or authorized agent) and constructor, and the original delivered to the Water Resources Department prior to commencement of construction, alteration or abandonment of each well.

Owner's Name and Mailing Address Howard Calcagno
5635 NE Ainsworth
Portland, OR 97218

Proposed Commencement Date 4/1/88

Proposed Well Depth 275, Diameter 10
and Use:
 Domestic Community Industrial Irrigation
 Thermal Injection Other

Proposed Well Location: County Clackamas
Township 4S (N or S) Range 1E (E or W) Section 19

At least 2 of these must be provided

1. NW 1/4 of SW 1/4 of above section
2. street address of well location 27550 S. Meridian Rd
Aurora, OR 97002
3. tax lot number of well location 00500
4. attach approved map with location identified.
(see reverse of this form for approved maps)

We hereby certify that we have read the back of this form, and that to the best of our knowledge the information provided herein is accurate and the well is being properly located from septic tanks and septic drain fields.

x Howard Calcagno
Owner's Signature

x Stephen Schneider
Bonded Water Well Constructor

owner Title
3-8-88 Date

License No. 649
Company Schneider Equipment, Inc.

Note: This is not a Water Right application. The owner is responsible for obtaining a Water Right through the Water Resources Department if required.