

WATER WELL REPORT
STATE OF OREGON

MARI. 293

RECEIVED

State Well No. 4S-IW-5

JUN 20 1983

State Permit No.

WATER RESOURCES DEPT.
SALEM, OREGON

(1) OWNER:

Name Haener Farms, Inc.
Address 12433 Arndt Rd NE
City Aurora State Or

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rev
Rotary Air Driven
Rotary Mud Dug
 Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other
Thermal: Withdrawal ReInjection

CASING INSTALLED:

Steel Plastic
12 "Diam. from +1.8 ft. to 119.2 ft. Gauge 312
12 "Diam. from 151.3 ft. to 166.3 ft. Gauge 312
Threaded Welded

LINER INSTALLED:

1/2 "Diam. from 194.4 ft. to 211.6 ft. Gauge 375
+1 250

(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 Roscoe Moss
Type std shutter Model No. 5/16 wall
Diam. 12 3/4 OD Slot Size .250 Set from 119.2 ft. to 151.3
Diam. 12 3/4 OD Slot Size .250 Set from 166.3 ft. to 194.4

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom? SEI
d: 980 gal./min. with 68 ft. drawdown after 5 1/4 hrs.
810 " " 63 " " 5 3/4
Air test gal./min. with drill stem at ft. hrs.
Bailer test - gal./min. with - ft. drawdown after hrs.
Artesian flow - g.p.m. -
Temperature of water - Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Special standards: Yes No
Well seal—Material used Readimix
Well sealed from land surface to 20 ft.
Diameter of well bore to bottom of seal 32 in.
Diameter of well bore below seal 32 in.
Number of sacks of cement used in well seal 55 sacks
How was cement grout placed? See attached Dept of Water Resources letter regarding special standards for readimix concrete
Was pump installed? Yes Type turbine Depth 75 ft. 198 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: 3/4-3/8
Gravel placed from 20 ft. to bottom ft.

(10) LOCATION OF WELL:

County Marion Driller's well number 8302
1/4 NE 1/4 Section 5 T. 4S R. 1W W.M.
Tax Lot # Lot Blk Subdivision
Address at well location:

(11) WATER LEVEL: Completed well.

Depth at which water was first found 65
Static level 28 ft. below land surface. Date 4/15/83
Artesian pressure - lbs. per square inch. Date -

(12) WELL LOG:

Diameter of well below casing 32" backfilled
Depth drilled 224 ft. Depth of completed well 206 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
See sheet attached			

Work started 2-7-- 1983 Completed 5-21 19 83
Date well drilling machine moved off of well 5-21 19 83

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] *Thomas C. Stewart* Date 6-13-1983
(Drilling Machine Operator)

Drilling Machine Operator's License No. 1121

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 Schneider Equipment, Inc.
Address 21881 River Rd NE, St. Paul, Or 97137
[Signed] *Stephen Schneider*
Contractor's License No. 649 Date 6-13 19.83



Milo Schneider
Water Resources Department

MILL CREEK OFFICE PARK

555 13th STREET N.E., SALEM, OREGON 97310

PHONE 378-8455

4S-1W-5
Marion
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**WATER RESOURCES DEPT.
SALEM, OREGON**

May 24, 1978

Milo Schneider
Schneider Equipment, Inc.
21881 River Road N.E.
St. Paul, Oregon 97137

Dear Mr. Schneider:

Please accept my apologies for the delay in responding to your recent letter requesting special standards for the use of concrete instead of cement grout as a sealing material in large diameter wells that provide excessive space between the drill hole wall and the outside casing of the well. You are hereby granted special permission to use concrete instead of neat cement with the following provisions and conditions:

- 1) Concrete shall consist of clean, hard, endurable aggregate, and not less than five sacks of Portland cement per cubic yard of concrete. Maximum diameter of the aggregate shall not exceed 3/4 of an inch in diameter.
- 2) If the well bore hole to be sealed is not dry, concrete shall be pumped from the bottom of the seal zone upward in one continuous operation to land surface.
- 3) In the event that the well bore annular space to be sealed is dry, concrete shall be placed through a tremie pipe to prevent segregation of the aggregate and cement mixture and to prevent bridging.
- 4) The space between the sealing surfaces of all casings and between all casings and the bore hole shall exceed 3-inches or more.

Special standards to construct a well as described above shall be considered to apply to all wells constructed in such a manner. Please refer to these special standards on the well reports of all well constructed in this manner.

Sincerely,

William B. McCall
WILLIAM B. MCCALL
Hydrogeologist

WBM:clh

cc: Clifton R. King, Watermaster, District #16

(12) Well Logs

Material	From	To
Topsoil	0	2
Clay, brown, silty	2	13
Clay, brown, sticky	13	19
Clay, grey	19	24
Clay, grey, silty, soft some wood	24	36
Clay, grey, soft & sticky	36	41
Clay, grey, silty	41	50
Clay, grey, soft & sticky	50	59
Clay, grey, sandy, fine	59	68
Sand, fine, w/ some clay, Grey	68	70
Sand, cemented, fine, black	70	72
Clay, dark grey, sticky	72	79
Clay, grey, med hard, silty	79	82
Clay, green, med hard, gritty	82	88
Sand, medium, black	88	89
Gravel, 3/4 minus w/ med sand	89	91
Clay, yellow, hard, some gravel 1 1/2"	91	96
Sand, coarse, cemented, some gravel	96	97
Clay, yellow, soft	97	99
Sand, medium, brown	99	104
Sand, medium coarse, brown	104	109
Sand, medium fine, brown	109	122
Clay, medium soft, brown	122	123
Sand, medium fine, brown	123	132
Sand, coarse, some gravel 1 3/4", brown	132	134
Clay, medium hard, brown, sandy	134	144
Clay, medium soft, brown	144	146
Clay, green, medium soft, little sand	146	149
Sand, medium, some coarse, black	149	153
Clay, grey, medium	153	162
Clay, green, medium, little sandy	162	164
Clay, grey, sandy	164	169
Gravel & sand, medium, cemented w/ clay	169	175
Sand, grey, medium fine w/ some gravel & clay	175	178
Gravel & clay, grey w/ some fine sand, somewhat cemented	178	183
Sand, grey, med-coarse w/ some gravel, small	183	184

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<u>Material</u>	<u>From</u>	<u>To</u>
Sand, black, with gravel	184	188
Gravel, 3/4" w/ medium sand, black	188	194
Clay, green, medium, hard	194	196
Clay, grey, w/ brown streaks, medium, hard	196	212
Clay, brown with grey streaks, medium, soft	212	214
Clay, green, medium	214	216
Clay, brown, medium, soft	216	221
Clay, grey, medium, soft	221	224

Haener Farms, Inc. - 8302

(12) Well Logs Page 2 of 2

45-1W-5
Marion
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Clay, green, medium	214	216
Clay, brown, medium, soft	216	221
Clay, grey, medium, soft	221	224