NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
DEC 05 1980
WATER RESOURCES DEPT
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print) (Do not write above this line)

UMAT 5227

State Well No. 6N/36E-31da

State Permit No.

(1) OWNER:
Name J. Frank Schmidt & Son Co.
Address 9500 SE 327th Ave.
Boring, Oregon 97009

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

(3) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
20" Diam. from +3 ft. to 350 ft. Gage .375
16" Diam. from 283½ ft. to 470 ft. Gage .375
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☒ Yes ☐ No.
Type of perforator used Mill Cut
Size of perforations 3/8 in. by 2½ in.
2840 perforations from 381'9" ft. to 457'9" 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.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Valley Pump
Yield: 1400 gal./min. with 9 ft. drawdown after 4½ hrs.
" 1200 " 7 " 5 "
" 600 " 5 " 5½ "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Neat Cement
Well sealed from land surface to 36 ft.
Diameter of well bore to bottom of seal 24 in.
Diameter of well bore below seal 20 in.
Number of sacks of cement used in well seal 81 sacks
How was cement grout placed? pumped down grout pipe between temp 24" casing and 20" casing as 24" was pulled

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:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Umatilla Driller's well number 8012
NW ¼ SE¼ Section 31 T. 6N R. 36E W.M.
Bearing and distance from section or subdivision corner This well replaces well abandoned on 11/13/80 which was 30' SW of this well - Customer Well

(11) WATER LEVEL: Completed well. #3 Milton Nursery
Depth at which water was first found 349 ft.
Static level 304 ft. below land surface. Date 11-6-80
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 15"
Depth drilled 717 ft. Depth of completed well 716½ 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			
To prevent commingling of water, a neat cement grout seal was also placed around outside of 16" casing (20" bore) from 341' to 386' by pumping 175 sacks down grout pipe inside of 16" casing and through perforations in 16" casing. 48 mills knife perforations were placed from 347 to 359' because initial 108 sacks of cement only brought the seal to 361' and grout was setting up before additional cement could be obtained.			

Work started 1-29 1980 Completed 11-7 1980
Date well drilling machine moved off of well 11-7 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] Donald G. Davis (Drilling Machine Operator) Date 12-3, 1980
Drilling Machine Operator's License No. 1085

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. (Person, firm or corporation) (Type or print)
Address 21881 River Rd NE, St. Paul, Or. 97137
[Signed] Stephen J. Schneider (Water Well Contractor)
Contractor's License No. 649 Date 12-3, 1980

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

Well No. 3
(Replacement for Well No. 1)
J. Frank Schmidt & Son

Milton Nursery

Material	From	To	SL
Topsoil, brown	0	3	
Clay, brown sandy	3	11	
Clay, brown sandy w/ some sand, black	11	26	
Clay, brown w/ hard claystone	26	32	
Gravel & clay congomerate, brown	32	40	
Gravel up to 2" w/ some clay	40	57	
Clay, brown w/ some gravel imbedded	57	66	
Gravel & clay, brown, conglomerate	66	98	
Clay, brown w/ some gravel	98	120	
Gravel & clay, brown, conglomerate	120	146	
Sand, fine w/ blue clay, dry	146	155	
Clay, blue, silty	155	189	
Clay, brown w/ gravel - conglomerate	189	202	
Gravel, w/ some clay, blue gray, hard	202	233	
Gravel, w/ clay, brown hard	233	246.	
Gravel, w/ some clay, brown, hard	246	259	
~~Clay, brown, soft~~ w/ few stray rocks	259	268	
Clay & gravel conglomerate, brown, hard	268	274	
Clay, brown & gray mixed w/ some gravel, sticky	274	277	
Clay, brown, soft w/ some gravel	277	286	
Clay, brown w/ gravel	286	293	
Clay, brown w/ gravel, sticky	293	300	
Clay, brown & gray mixed, w/ gravel, sticky	300	306	
Gravel, 1½ to 6"	306	316	
Clay, blue, sticky	316	323	
Clay, gray	323	334	
Clay, brown & blue mixed w/ some gravel	334	347	
Clay, blue & brown mixed some small gravel	347	349	(3/6/80) ↘ 151'
Basalt, black	349	375	
Basalt, black w/ fractures	375	416	↗ 272'6"
Basalt, gray, dark	416	423	(3/7/80) after driving 20" casing into basalt
Basalt, gray, dark some fractures	423	425	
Basalt, gray, dark, fractured w/ layers of greenish gray clay	425	429	
Clay, green & brown, some sticky w/ some imbedded ½" minus multicolored rocks	429	433	
Clay, green, sticky	433	435	
Clay, gray, gritty	435	439	
Basalt, dark gray well fractured w/ streaks of green clay imbedded w/ rock water bearing	439	451	
Basalt, dark gray, medium hard	451	456	
Basalt, dark gray, very hard	456	471	

well No. 3
J. Frank Schmidt & Son
(Replacement for Well No. 1) M. F.
Milton Nursery

Material	From	To
Basalt, dark gray	471	473
Clay, blue, gray w/ some small gravel	473	485
Basalt, broken, dark gray	485	496
Basalt, dark gray, porous, fractured w/ some clay, blue	496	505
Basalt, dark gray, porous, fractured	505	516
Basalt, dark gray, well fractured	516	523
Basalt, dark gray, med hard fractured	523	537
Basalt, dark gray, very hard w/ fractures & some pores	537	543
Basalt, dark gray, w/ fractures, medium hard	543	595
Basalt, dark gray, w/ fractures, hard	595	627
Basalt, dark gray, fractured w/ some hard clay	627	633
Basalt, dark gray, well fractured	633	635
Basalt, dark gray, fractured w/ clay, gray	635	638
Basalt, dark gray, well fractured, med hard	638	640
Basalt, broken w/ clay, gritty soft	640	642
Basalt, black, fractured, porous, med hard	642	648
Basalt, black & red, fractured, porous, med hard	648	651
Basalt, red & black, porous, fractured, med hard	651	655
Basalt, red & black, porous, fractured w/ some clay, red	655	675
Basalt, black, fractured, porous	675	686
Basalt, black, fractured, w/ clay, gray	686	688
Basalt, black, fractured, w/ hard gray clay, hard	688	710
Basalt, black & gray, fractured, hard	710	717