WELL CONTRACTOR and first copy of this report to be filed with the

WATER WELL REPORT

State Well No.	JS/IE-	19
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SALEM, OREGON 97310 within 30 days from the date of well completion.

STATE OF OREGON ... State Well No. O. ... State Permit No. ...

OWNER:	(10) LOCATION OF WELL:		
Name Ray Griesenauer	County Clackamas Driller's well number		
Address Rte 1 Box 186	14 14 Section 19 T. 5S R. 1E W.M.		
Mt Angel, Oregon	Bearing and distance from section or subdivision corner		
(2) TYPE OF WORK (check):			
New Well 💆 Deepening 🗍 Reconditioning 🗍 Abandon 🗋			
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed well.		
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found 65 ft.		
Rotary Driven Domestic Industrial Municipal	Static level 22 ft. below land surface. Date 6/12/78		
Cable	Artesian pressure lbs. per square inch. Date		
CASING INSTALLED: Threaded Welded 12. Welded 12. Welded 13. 12. Diam. from	(12) WELL LOG: Diameter of well below casing 22		
PERFORATIONS: Perforated? Tyes No.			
Type of perforator used Pre-perforated pipe	MATERIAL From To SWL		
Size of perforations 3/16 in. by 2 in.			
1440 perforations from 65 ft. to 95 ft.			
336 perforations from 100 ft. to 107 ft. 624 perforations from 143 ft. to 156 ft.			
DEAT perforations from L. II. III. III.	Log attached		
(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 22			
Was a pump test made? Yes No If yes, by whom? driller			
Yield: 525 gal./min. with 41 ft. drawdown after 8 hrs.			
yar./min. with 41 it. diawdown arter of miss.			
" " "			
Bailer test gal./min. with ft. drawdown after hrs.			
Artesian flow g.p.m.			
trature of water Depth artesian flow encountered ft.	Work started May 8 1978 Completed June 12 19 7		
(9) CONSTRUCTION:	Date well drilling machine moved off of well June 13 19 7		
Well seal—Material used Cement	Drilling Machine Operator's Certification:		
Well sealed from land surface to ft.	This well was constructed under my direct supervision. Materials used and information reported above are true to my		
Diameter of well bore to bottom of seal	best knowledge and belief		
Diameter of well bore below seal	[Signed] Why Mr. Miller Date June 139.78		
Number of sacks of cement used in well seal 30 sacks	(Printing Machine Operator) Drilling Machine Operator's License No26		
How was cement grout placed? Pumped	Diffing Machine Operator & Discuss 110 Mary		
	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.		
Was a drive shoe used? [] Yes [4] No Plugs Size: location ft.	Name John T Miller		
Did any strata contain unusable water? Yes No	(Person, firm or corporation) (Type or print) Address 1780 Tomlin Ave. Woodburn, Ore		
Type of water? depth of strata	Address 1700 Tomilii 2700 Woodbulli, 520		
Method of sealing strata off	[Signed] John A. Milla		
Was well gravel packed? 🖪 Yes 🗌 No Size of gravel: 🎉	2 17 (Water Well Contractor)		
Gravel placed from 20 ft. to 3.76 ft.	Contractor's License No		

Ray Griesenauer Log

Surface	6	3
Brown clay	3	28
Sand	28	37
Yellow clay	37	47
Brown sand	47	58
Cement gravel	58	69
Blue clay	69	7 5
Sand & small gravel	75	82
Blue clay	82	83
Sand & gravel	83	85
Large gravel	85	95
Blue clay	95	100
nd & gravel	100	104
brue clay	104	144
Sand	144	155
Gray clay	155	160
Blue sandy clay	160	163
nd	163	167
Blue clay	167	175
Gray clay	175	186
Sandy gray clay	186	190
Gray clay	190	230
Black sandy clay	230	235
Gray clay	235	248
Sandy clay	248	250
Blue clay	250	255
Sandy clay	255	258
Sand	258	261
Gray clay	261	288
Sandy clay	288	295
Wood	295	300
Small gravel	300	302
Blue sandy clay	302	360
own clay	360	366
Lue clay	366	375



Water Resources Department MILL CREEK OFFICE PARK 555 13th STREET N.E., SALEM, OREGON 97310

PHONE 378-8455

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:

- 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

Hydrogeologist

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



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WBM:clh

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