

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

WATER WELL REPORT *Note well on Section line 21+28*

RECEIVED

3280
MARI.

State Well No. *Gas/W-1/C*
State Permit No. *G-8385*

JUL 03 1977

(1) OWNER: WATER RESOURCES DEPT.
Name James Butsch SALEM, OREGON
Address Ft. 1, Box 99
Mt. Angel, Oregon 97362

(10) LOCATION OF WELL:
County Marion Driller's well number 7712
 $\frac{1}{4}$ SW $\frac{1}{4}$ Section 21 T. 6S R. 1W W.M.
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.
Depth at which water was first found _____ ft.
Static level 37 ft. below land surface. Date 6-16-77
Artesian pressure _____ lbs. per square inch. Date

(3) TYPE OF WELL: (4) PROPOSED USE (check):
Rotary Driven Domestic Industrial Municipal
Cable Jetted Irrigation Test Well Other
Dug Bored

(12) WELL LOG: Diameter of well below casing _____
Depth drilled 323 **ft. Depth of completed well 181'6" 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.

(5) CASING INSTALLED: Threaded Welded
16" Diam. from +2'6" ft. to 183'6 3/4" Gage 375
* 6" Diam. from +1 ft. to 39 ft. Gage 250

MATERIAL	From	To	SWL
See sheet attached			
** drilled 18" diameter to 323'			
reamed to 32" diameter to 190'			

(6) PERFORATIONS: Perforated? Yes No.
Type of perforator used Mill cut
Size of perforations $\frac{1}{8}$ in. by 3 in.
3040 perforations from 63'2 1/2" ft. to 163'6 3/4"

(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? Driller
Yield: See sheet attached gal./min. with _____ ft. drawdown after _____ 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: pressure grouted cement
Well seal—Material used zonolite admix & intrusion aid
Well sealed from land surface to 1 to 38 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 36 sacks
Number of sacks of bentonite used in well seal 22 (88 cu ft.) sacks
Brand name of bentonite zonolite
Number of pounds of bentonite per 100 gallons of water _____ lbs./100 gals.
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 - 1/2
Gravel placed from 38 ft. to bottom ft.

Work started 4-22 19 77 completed 6-25 19 77
Date well drilling machine moved off of well 6-25 19 77

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 H. Davis* Date 7-7, 19 77
(Drilling Machine Operator)
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 Star Bt., Box 97, St. Paul, Ore. 97137
[Signed] *Stephen Schneider*
(Water Well Contractor)
Contractor's License No. 649 Date 7-7, 19 77

Material	From	To
Top soil, brown	0	23
Clay, gray soft	23	44
Gravel, black up to 5" + up to 8"	44	50
Gravel & boulder up to 8", rusty cemented	50	57
Clay, rusty red moist	57	58
Clay, greenish gray	58	66
Clay, dark greenish fine sandy soft	66	67½
Clay, medium coarse sandy w/ pea gravel + base H, conglomerate	67½	70
Gravel, black up to 4" w/ some sand med coarse	70	83
Gravel, boulders, black	83	103
Gravel & boulders	103	110
Sand, cemented, pea gravel & gravel 3" & up	110	115
Sand, loosely cemented, pea gravel & gravel 3" & up boulders	115	123
Boulders & gravel, loosely cemented up to 8"	123	128
Boulders, smaller & pea gravel cemented in medium sandstone, green	128	130
Sandstone, dark green turning to gray	130	133
Clay, gray dry soft	133	141
Sandstone, fine gray	141	143
Clay, blue green soft	143	148
Clay, gray soft	148	151
Clay, gray fine sandy	151	153
Clay, dark gray medium sandy soft	153	156
Sand, medium coarse	156	158
Clay, dark gray soft sticky	158	159
Clay, dark gray soft	159	165
Clay, dark gray fine sandy moist soft	165	169
Clay, dark gray medium sandy moist soft	169	173
Clay, blue fine sandy dry harder	173	179
Clay, brown sandy	179	183
Clay, gray w/ green streaks dry	183	184
Clay, gray w/ brown streaks dry	189	194
Clay, brown w/ some gray mixed dry	194	199
Clay, gray dry	199	205
Clay, brown to gray & black sandy dry	205	210
Clay, brown dry	210	216
Clay, gray w/ wood dry	216	218
Clay, brown & gray dry sandy	218	223
Clay, gray & brown fine sandy dry	223	234
Clay, blue dry	234	236
Clay, blue & brown	236	240
Clay, gray fine sandy w/ wood moist	240	248
Clay, blue sticky	248	257
Clay, blue green sandy	257	260
Clay, greenish gray sandy w/ wood med coarse	260	265
Clay, blue & green	265	270
Clay, blue sticky	270	273

cont'd

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cont'd

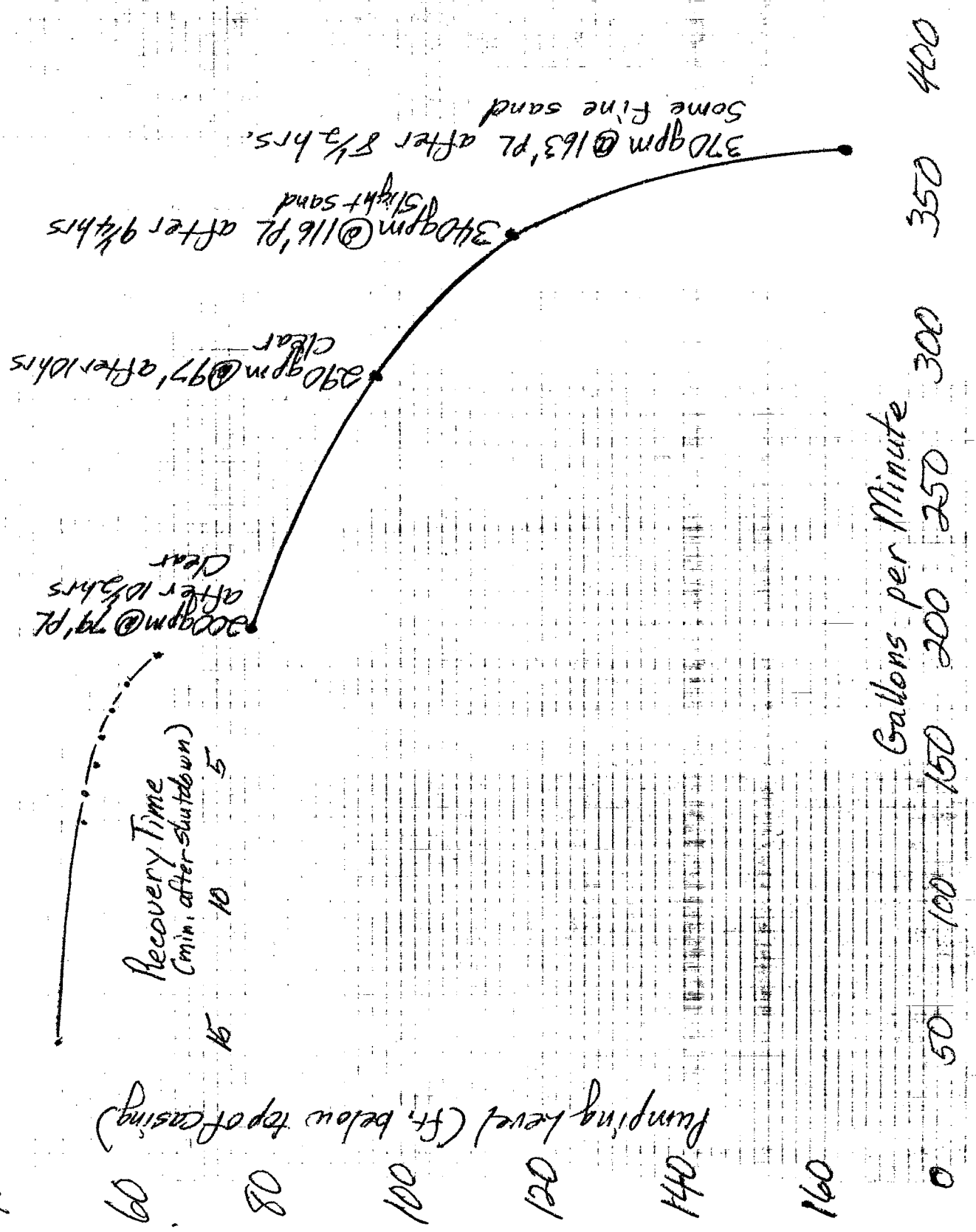
Material	To	7712 cont/d From
Clay, blue sticky	273	274
Sand, pea gravel coarse w/ clay, gray	274	274 $\frac{1}{8}$
Clay, gray brown sticky	274 $\frac{1}{2}$	300
Clay, blue hard dry sticky	300	314
Clay, blue-gray hard dry	314	321
Clay, gray sticky	321	323

Material	To	7712 cont/d From
Clay, blue sticky	273	274
Sand, pea gravel coarse w/ clay, gray	274	274½
Clay, gray brown sticky	274½	300
Clay, blue hard dry sticky	300	314
Clay, blue-gray hard dry	314	321
Clay, gray sticky	321	323

Jim Butsch
Well Test of 6/10/77

SCHNEIDER EQUIPMENT, INC.
STAR ROUTE, BOX 97 - (503) 633-2666
ST. PAUL, OREGON 97137

Static 37'



Pumping level (ft. below top of casing)

Gallons per Minute

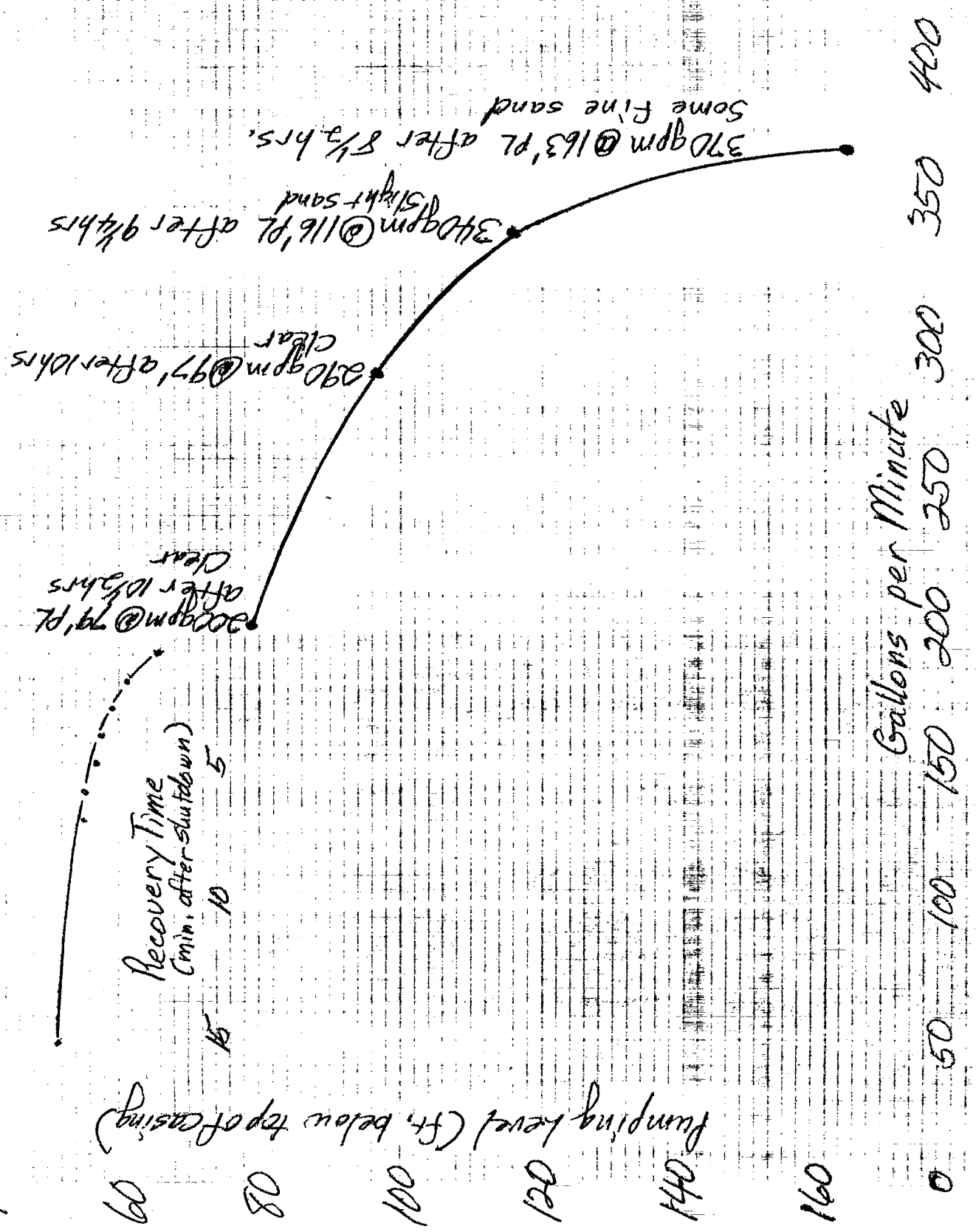
Recovery Time
(min. after shutdown)

15 10 5

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Well Test of 6/10/77

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Static 37'



Gallons per Minute

0 50 100 150 200 250 300 350 400