

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

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AUG - 7 1989

5s/2w/26 db

(START CARD) # 7905

2667
MARI...

(1) OWNER:

Name City of Gervais
Address P.O. Box 348
City Gervais State OR Zip 97026

Well Number: WATER RESOURCES DEPARTMENT LOCATION OF WELL by legal description:
SALEM, OREGON

County Marion Latitude Longitude
Township 5S N or S, Range 2W E or W, WM.
Section 26 NW 1/4 of SE 1/4
Tax Lot Lot Block Subdivision
Street Address of Well (or nearest address)

(2) TYPE OF WORK:

New Well Deepen Recondition Abandon

(3) DRILL METHOD

Rotary Air Rotary Mud Cable
 Other reverse circulation rotary

(4) PROPOSED USE:

Domestic Community Industrial Irrigation
 Thermal Injection Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes No Depth of Completed Well 257 ft.
Explosives used Yes No Type Amount

HOLE			SEAL			Amount
Diameter	From	To	Material	From	To	sacks or pounds
17	0	265	cement	0	30	42 sacks
			cement	196	216	20 sacks
			*cement	257	263	5 sacks
*inside 10" casing - placed by dump bailer						

How was seal placed: Method A B C D E
 Other
Backfill placed from 30 ft. to 196 ft. Material sand, peagrvt & bent
Gravel placed from 216 ft. to 265 ft. Size of gravel 1/4 - 3/8

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
10	+1.5	263.7	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
except at screens							
Liner:							

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

Perforations Method
 Screens Type v-shape wire Material 304SS wrap

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
220.6	240.6	.150	cont.	10	P.S.	<input type="checkbox"/>	<input type="checkbox"/>
245.5	254.5	.150	cont.	10	P.S.	<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Pump Bailer Air Flowing Artesian

Yield gal/min Drawdown Drill stem at Time

See attached graphs (3)			1 hr.
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Temperature of water 55 F Depth Artesian Flow Found
Was a water analysis done? Yes By whom Water Lab & WF&R Lab
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other
Depth of strata:

(10) STATIC WATER LEVEL:

54.6 ft. below land surface. Date 7/3/89
Artesian pressure 259 lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found indeterminate

From	To	Estimated Flow Rate	SWL
All sand & gravel formations below SWL are probably water bearing.			
screened intervals		see (8)	see (10)

(12) WELL LOG:

Ground elevation approx 181

Material	From	To	SWL
See attached log W0032.GER			

Date started 5/19/89 Completed 8-2-89

(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 *Tom M. ...* WWC Number 1367
Date 8-2-89

(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 8-2-89

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WATER RESOURCES DEPT.
SALEM, OREGON

City of Gervais
Well #1
by Schneider Drilling Co. - 1989

0	2	Top soil
2	24	Clay, brown & grey, silty soft
24	25	Sand, grey med. fine
25	52	Clay, grey, silty soft
52	54	Sand, grey fine
54	69	Clay, grey, silty soft
69	84	Sand, multi-color, med, some cem
84	90	Clay, grey, med
90	106	Clay, green & gray, soft
106	113	Gravel, 2" minus
113	115	Clay, grey, soft
115	135	Gravel, 2" minus, some sand, med
165	146	Gravel, 4" minus, some sand, med
146	152	Clay, grey, silty
152	163	Sand, black, med
163	181	Clay, green, med
181	191	Sand, black, med
191	198	Clay, grey & brown w/ wood
198	212	Clay, blue, med
212	214	Sand, black, cemented, some clay
214	220	Clay, dark grey, med, dry
220	240	Gravel, 4" minus w/ little clay
240	245	Clay, grey, med
245	254	Gravel. 4" minus w/ sand & clay
254	265	Clay, grey, med

W0032.GER

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WATER RESOURCES DEPT.
SALEM, OREGON

1000

Time in minutes 100

SWL 56.25

Semi-Logarithmic
3 Cycles x 19 to 1 inch

$T = \frac{264.310}{2.5} = 32736 \text{ gpd/ft}$
 $SC. \approx \frac{310}{4} = 34 \text{ gpm/ft DD}$

$T = \frac{244.482}{3.5} = 34884 \text{ gpd/ft}$
 $SC. \approx \frac{489}{16} = 30 \text{ gpm/ft DD}$

$Q = 798 \text{ gpm} \Delta S = 2.2 \quad T = \frac{264.785}{8.2} = 25.69 \text{ gpd/ft}$
 $SC. \approx \frac{718}{29} = 20 \text{ gpm/ft DD}$

$Q = 975 \text{ gpm}$
 $SC. \approx \frac{975}{27} = 26 \text{ gpm/ft DD}$

City of Gervais

Well No. 1

Step Drawdown Test

6/25/89

SCHNEIDER EQUIPMENT, INC.
 21881 RIVER RD. NE
 ST. PAUL, OR 97137
 PH. (503) 633-2666

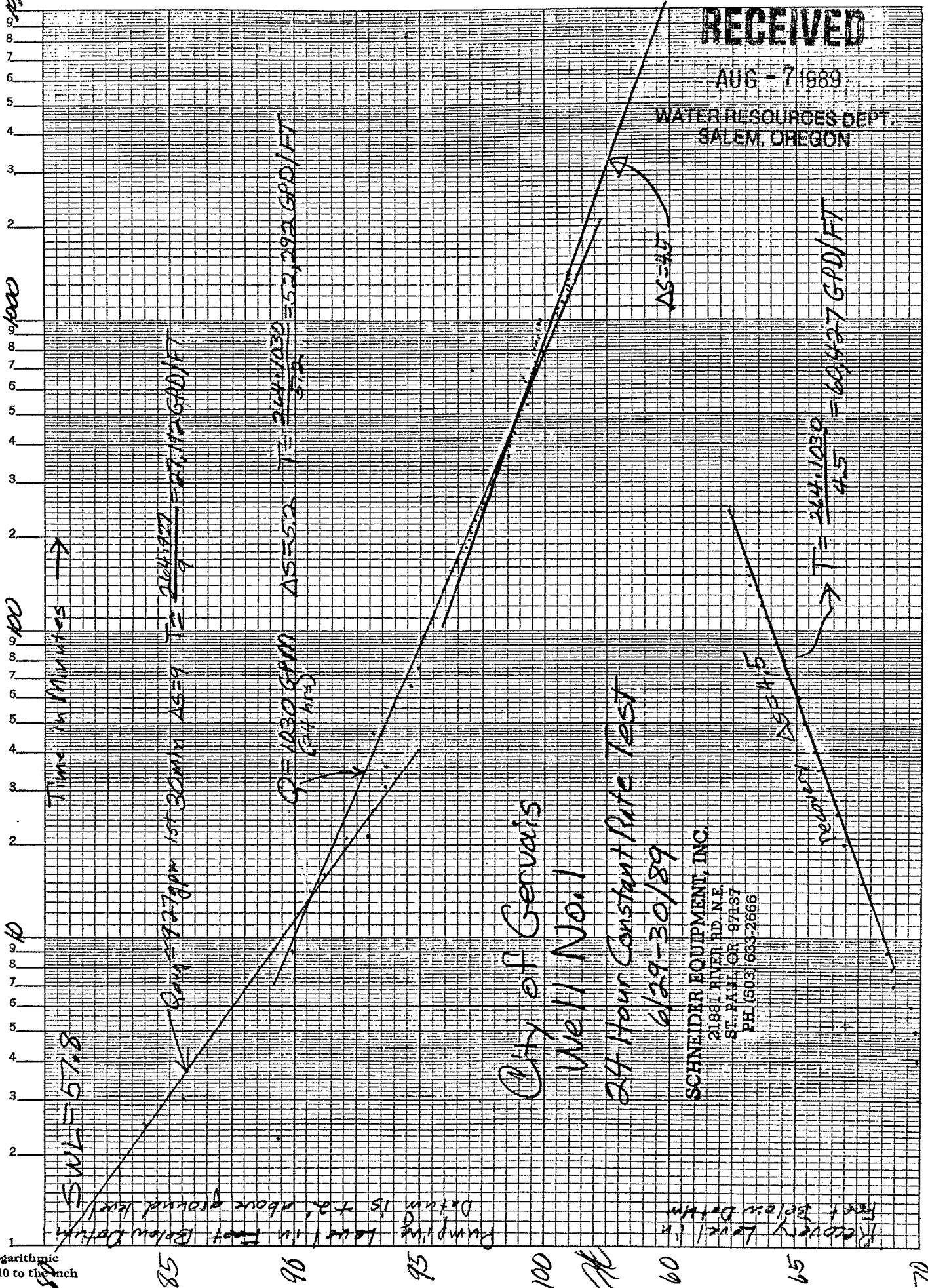
Pumping level in Ft below Datum
(+ above ground level)

60 65 70 75 80 85 90 95

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WATER RESOURCES DEPT.
SALEM, OREGON



City of Gervais
Well No. 1

24 Hour Constant Rate Test
6/29-30/89

SCHNEIDER EQUIPMENT, INC.
21881 RIVER RD. N.E.
ST. PAUL, OR 97137
PH: (503) 633-2666

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WATER RESOURCES DEPT.
SALEM, OREGON

Time in Minutes →

City of Gervais
Well No. 1

2 Hour Constant Rate Test

7/3/89

SCHNEIDER EQUIPMENT, INC.
21881 RIVER RD. N.E.
ST. PAUL, OR 97137
PH. (503) 633-2666

$Q_{avg} = 491 \text{ GPM}$
 $\Delta S = 2$
 $T = \frac{264 \cdot 491}{2} = 64872 \text{ GPD/FT}$
 $SC = \frac{491}{16} = 31 \text{ GPM/FT.DP.}$

SWL 56.1'

Pumping level in Feet Below Datum
Datum is +1.5' above ground level

1000
100
10
1

60 65 70 75 80 85