

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

Marion
18828

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JAN - 3 1994

4S/2W/28ab

WATER RESOURCES DEPT. OREGON
 SALEM

(START CARD) # 52454

(1) OWNER: Well Number _____
 Name Kaufmann Farms
 Address 19533 French Prairie Rd. NE
 City Woodburn State OR Zip 97071

(9) LOCATION OF WELL by legal description:
 County Marion Latitude _____ Longitude _____
 Township 4S N or S. Range 2W E or W. WM. _____
 Section 28 NW $\frac{1}{4}$ of NE $\frac{1}{4}$ _____
 Tax Lot 1700 Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) owner

(2) TYPE OF WORK:
 New Well Deepen Recondition Abandon

(10) STATIC WATER LEVEL:
41 ft. below land surface. Date 12/7/93
 Artesian pressure _____ lb. per square inch. Date _____

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable
 Other Reverse Circulation Rotary

(11) WATER BEARING ZONES:
 Depth at which water was first found 1st significant probably at 67

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Other _____

From	To	Estimated Flow Rate	SWL
<u>most all sand</u>	<u>and/or</u>	<u>see (8)</u>	<u>see</u>
<u>gravel below</u>	<u>SWL are</u>		<u>(10)</u>
<u>probably WB</u>			

(5) BORE HOLE CONSTRUCTION:
 Special Construction approval Yes No Depth of Completed Well 368 ft.
 Explosives used Yes No Type _____ Amount _____

(12) WELL LOG:
 Ground elevation ~170'

HOLE			SEAL			Amount
Diameter	From	To	Material	From	To	sacks or pounds
20	0	34	Bentonite	0	~20	30 sks
16	34	380	Cement	~20	40	22 sks
			Additional annulus backfill:			
			H.P. Bentonite	40	80+	40 sks

Material	From	To	SWL
<u>see attached log</u>			
STEP TEST:			
<u>550 gal/min</u>	<u>29 ft DD</u>	<u>1st hour</u>	
<u>755 gal/min</u>	<u>40 ft DD</u>	<u>2nd hour</u>	
<u>1035 gal/min</u>	<u>56 ft DD</u>	<u>3rd hour</u>	
<u>1245 gal/min</u>	<u>72 ft DD</u>	<u>4th hour</u>	
<u>1575 gal/min</u>	<u>93 ft DD</u>	<u>5th hour</u>	
<u>1970 gal/min</u>	<u>117 ft DD</u>	<u>6th hour</u>	

How was seal placed: Method A B C D E
 Other bentonite was poured
inside 12"
 Backfill placed from 368 ft. to 380 ft. Material sand/slough
 Gravel placed from 198 ft. to 380 ft. Size of gravel CSI 6x9 & 4x8

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	16	+2	220	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	12	197.5	218	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	12	252	310	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:	12	330	347	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	12	360	380	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:
 Perforations Method _____
 Screens Type V shape wire wrap Material 304 SS

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
218	252	.065	cont	12	PS	<input type="checkbox"/>	<input type="checkbox"/>
310	330	.065	cont	12	PS	<input type="checkbox"/>	<input type="checkbox"/>
347	360	.065	cont	12	PS	<input type="checkbox"/>	<input type="checkbox"/>

Date started 10/19/93 Completed 12/17/93

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailor Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
<u>See (12) for step test.</u>			<u>1 hr.</u>
<u>See attached graphs for constant rate test</u>			
<u>and recovery.</u>			

(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 [Signature] WWC Number 1367
 Date 12/28/93

(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 [Signature] WWC Number 649
 Date 12/28/93

Temperature of Water ~53°F Depth Artesian Flow Found _____
 Was a water analysis done? Yes By whom _____
 Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
 Depth of strata: _____ SE1933A

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WATER RESOURCES DEPT.
SALEM, OREGON

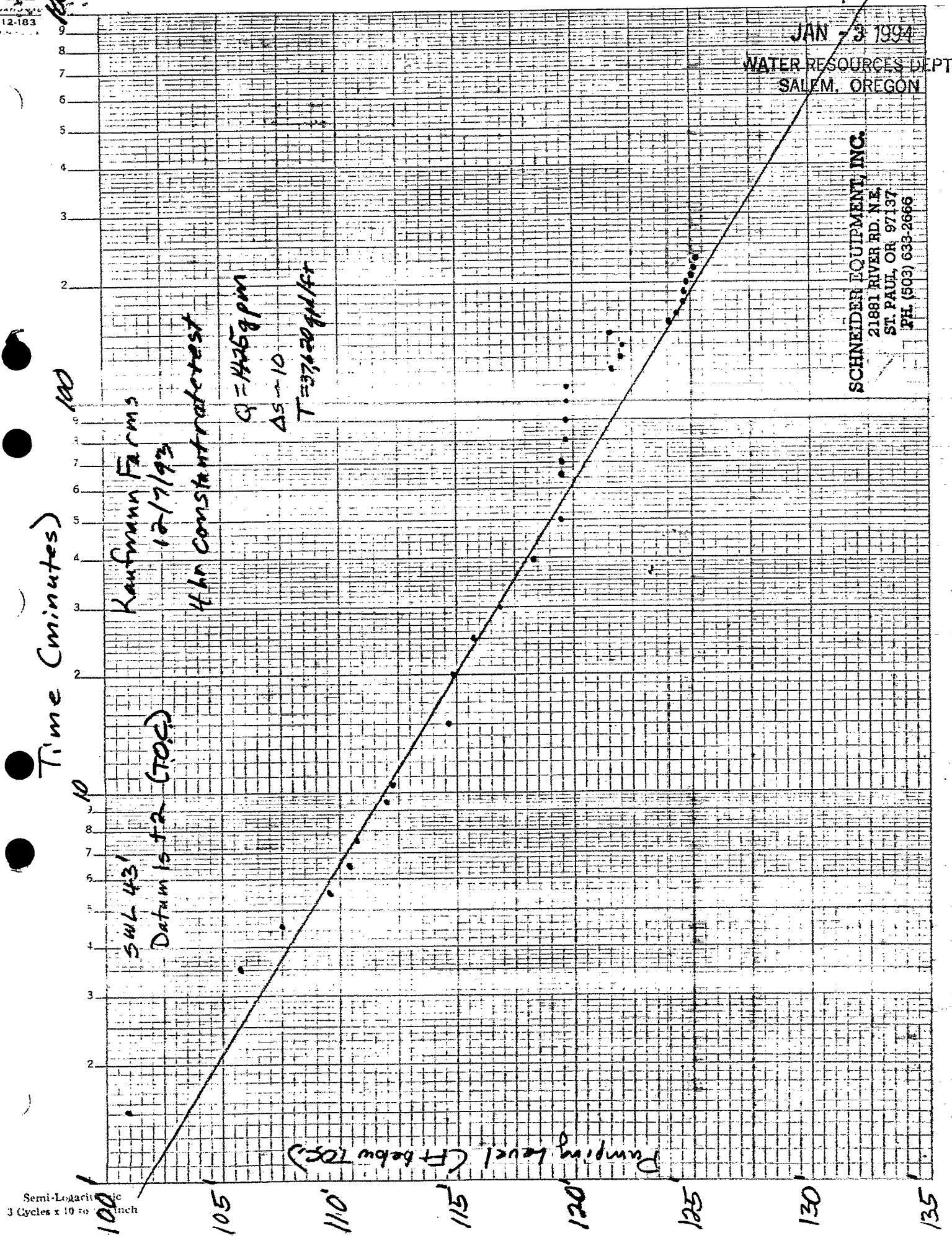
Kaufmann Farms
Start Card No. 52454
by Schneider Drilling Co.

<u>Depth</u>		<u>Description</u>
<u>From</u>	<u>To</u>	
0	2	Top soil
2	32	Clay, brown, silty, soft
32	67	Clay, gray, silty, soft
67	77	Sand, med-fine, some small gravel
77	88	Clay, gray, med-soft, little silty
88	91	Clay, green, med-soft
91	97	Clay, green-brown, med
97	103	Clay, green, med-soft, sandy
103	114	Snd, med, grvl, 3/4"-, multi-clr, some cemented
114	126	Clay, green, med-soft, sandy
126	128	Clay, gray, med-soft, sandy
128	131	Clay, brown, med-soft, sandy
131	140	Sand, med, some clay
140	145	Clay, blue-gray, med
145	154	Clay, green-gray, med, little sandy
154	157	Clay, green, med, sandy, some pea gravel
157	160	Clay, gray, med, silty
160	167	Clay, gray-green, med-hard
167	177	Clay, gray, med
177	186	Clay, green, med
186	198	Sand, black, med, & gravel, 1"-
198	205	Clay, blue-green, med, little silty
205	218	Clay, green, sandy, med-fine w/wood
218	221	Clay, gray, soft, silty
221	231	Sand, med, black, & gravel, 1"- w/wood
231	251	Gravel, 1-1/2"-, & sand, med, black
251	268	Clay, green, med, sandy, fine
268	277	Clay, green, med-hard, little sandy
277	294	Clay, gray & brown, med-hard
294	301	Clay, brown, med-fine, sandy
301	311	Clay, gray & brown, sandy, soft
311	314	Sand, black, & gravel, cemented
314	328	Gravel, 2"-, & sand, med-coarse, slightly cemented
328	336	Clay, gray & green, sandy, med, some hard layers
336	348	Clay, gray, soft, fine, sandy
348	359	Sand, black, med-coarse, & gravel, 3/4"-
359	380	Clay, gray-brown, med

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



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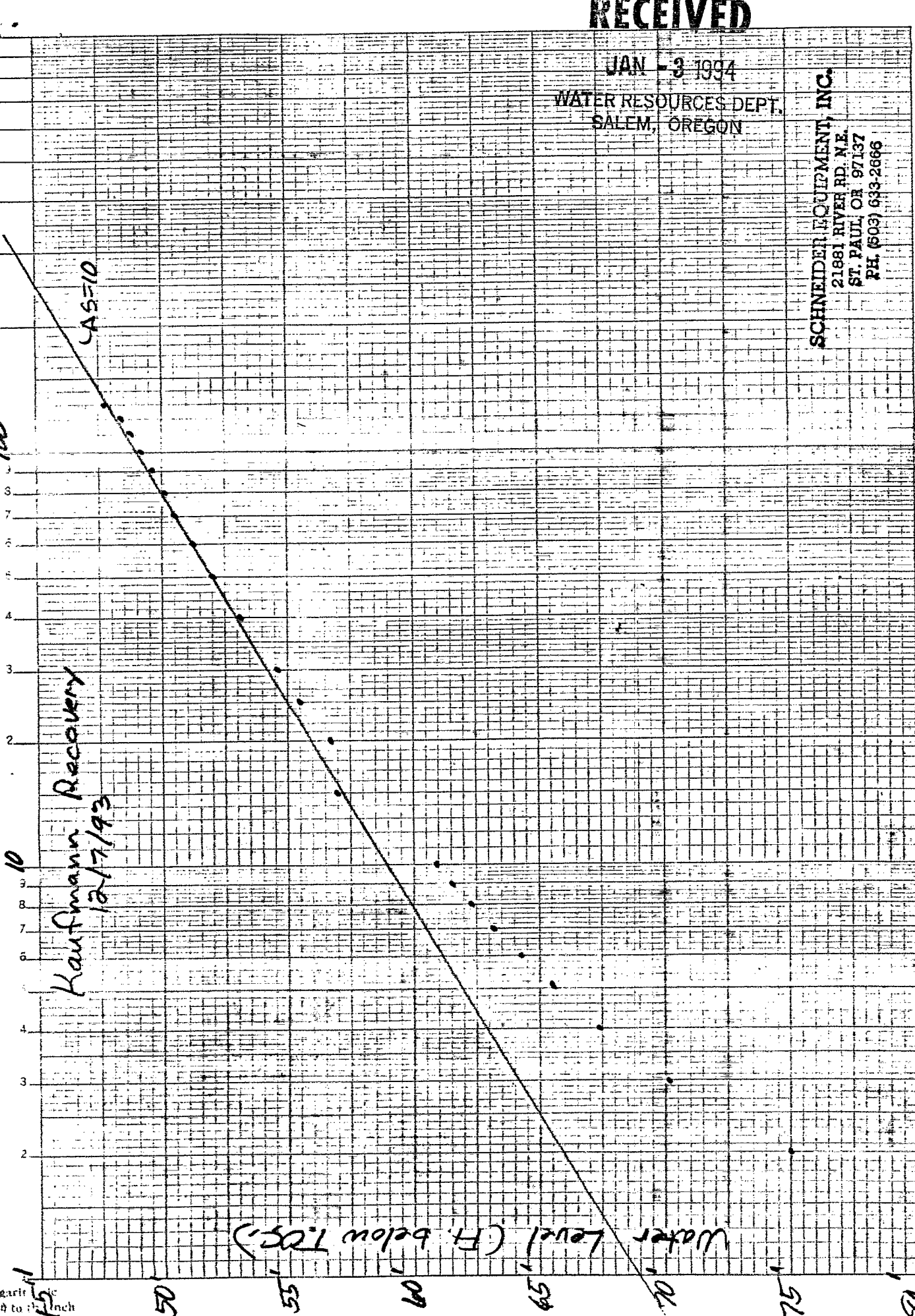
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12-183

Time (minutes)



Kaufmann Recovery
12/7/93

Water Level (Ft. below T.O.S.)

Semi-Logarithmic
3 Cycles x 10 to 1 inch