

NOTICE TO WATER WELL CONTRACTOR

The original and first copy of this report are to be filed with the

RECEIVED MARI 2424 WATER WELL REPORT MARI 2424

MARI 2424

STATE OF OREGON WATER WELL REPORT

(Please type or print)

(Do not write above this line)

STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

State Well No.

5/2w-12E

State Permit No.

(1) OWNER:

Name City Of Woodburn, Oregon Address

(2) TYPE OF WORK (check):

New Well [X] Deepening [] Reconditioning [] Abandon [] If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary [] Driven [] Cable [X] Jetted [] Dug [] Bored []

(4) PROPOSED USE (check):

Domestic [] Industrial [] Municipal [X] Irrigation [] Test Well [] Other []

CASING INSTALLED:

20" Diam. from 0 ft. to 120 ft. Gage 375 12" Diam. from 0 ft. to 279.3" ft. Gage 330

PERFORATIONS:

Perforated? [] Yes [X] No.

Type of perforator used

Size of perforations in. by in. perforations from ft. to ft.

(7) SCREENS:

Well screen installed? [X] Yes [] No

Manufacturer's Name Johnson Type Stainless Steel Model No. Diam. 10PS Slot size 150 Set from 280 ft. to 300 ft.

(8) WATER LEVEL: Completed well.

Static level 33 ft. below land surface Date 11-17-67

(9) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? [X] Yes [] No If yes, by whom? Driller Yield: See attached sheet

(10) CONSTRUCTION:

Well seal—Material used Bentonite Depth of seal 30 Diameter of well bore to bottom of seal 20 in.

(11) LOCATION OF WELL:

County Marion Driller's well number SW 1/4 NW 1/4 Section 12 T. 5 S R. 2W W.M. Bearing and distance from section or subdivision corner

(12) WELL LOG:

Diameter of well below casing 6

Depth drilled 330 ft. Depth of completed well 333 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.

Table with columns: MATERIAL, From, To, SWL. Content: See attached sheet

Work started 8-11 1967 Completed 11-6 19 67 Date well drilling machine moved off of well 11-13 19 67

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] Carl Zent (Drilling Machine Operator) Date 11-28, 1967

Drilling Machine Operator's License No. 205

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 George Zent & Sons (Person, firm or corporation) (Type or print)

Address 4305 N.E. 44th St. Vancouver, Wash.

[Signed] C. George Zent (Water Well Contractor)

Contractor's License No. 228 Date 11-28, 19 67

5/2W-12E
Marion

Log for Woodburn 5

- 0 - 12 brown sandy silt
- 12 - 68 blue sandy silt (20 ft open hole swl 11')
- 68 - 72 fine black silty sand, casing 57' open hole to 75 swl 5'
- 72 - 80 med to coarse sand fine gravel appearing about 80
- 80 - 91½ med. to coarse purple sand black & white casing 87 swl 14'
- 91½ - 95½ med fine black sand
- 95½ - 98 blue sandy clay
- 98 - 99 fine black sand
- 99 - 100½ sand with chunks of clay in it
- 100½-108½ fine black sand two ½ in. lenses silt 101-102 & 107-108
- 108½ - 109 sand & wood
- 109 - 111 clean looking sand & gravel (swl 13 ft. after 30 min)
- 111 - 118½ organic silt
- 118½ - 126 very fine sand sometimes containing organic matter
- 126 - 131½ sand & gravel, at times quite dirty (swl 14 ft.)
- 131½ - 137 grey silty sand & sandy silt (casing 138 swl over nite 12 ft.)
- 141 - 150 blue & black sandy clay
- 150 - 152½ seams of black sand & silt
- 152½ - 154½ fine black sand
- 154½ - 155 grey silt
- 155 - 156 blue clay
- 156 - 157 brown organic silt
- 157 - 162 fine black sand with several lenses ¼ to ½ in. of silt
- 162 - 164½ grey sandy silt
- 164½ - 165½ brown organic silt
- 165½ - 166 grey clay
- 166 - 168 blue clay
- 168 - 171 black sand with clay chunks
- 171 - 172 fine black sand
- 172 - 173 silty sand

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- _____ 173 - 175 sand with 2 or 3 lenses of silt
- _____ 175 - 179 blue clay with streaks of sand
- _____ 179 - 181½ med coarse black sand
- _____ 181½ - 185 silt grey with 2 to 3 in. lenses of sand. core from 184 had silt lenses standing nearly vertically
- _____ 185 - 190½ black sand silt lense 186-186.3 with ¼ in. seam of wood
- _____ 190½ -191½ black sand & gravel (swl 33 after ½ hr.)
- _____ 191½ - 194 brown deteriorated sand (practically all clay at 192)
- _____ 194 - 207½ silty fine sand (decomposed sand)
209
- _____ 207½ -lenses grey silt with 1 to 2 in. lenses of dirty sand.
- _____ 209 - 218½ dirty sand 2" silt lenses at 214 & 217 ¼ organic at 217½
- _____ 218½ - 223 sand & gravel 2" silty sand and gravel lense at 218½
- _____ 223 - 237 silty fine sand
- _____ 237 -260 fine decomposed sand
- _____ 260 - 269½ grey silt
- _____ 269½ - 272 ½ ¼ to 1" lenses of very fine decomposed sand.
- _____ 272 * partially decomposed sand & gravel (casing 274½, 6" open hole bailed 35 gpm with 25 ft. D.D. casing 275 ¼ ft. open with revert, bailed 50 gpm with 21 ft. D.D. Casing 280, 32 ft open revert added first 2 ft. bailed 55 to 60 gpm with 6 to 9 ft. D.D. swl 42 ft. core samples are badly compressed destroying much of the individual grain structure. drilling was done over 1½ days with as little bailing with 5 gal. sand pump as possible. A head of water was kept at all times. Hole filled in about 17 ft. after about 1½ hrs. bailing . Bailing took place on the third day. drove casing to 309, drilled to 316. the hole took most of the mud and a lot of water. drove casing to 316 , core 316½ to 318. drove casing 317, one ft. open bailed 40 gpm with 40ft. d.d. From 318 to 325 the formation could be stired ahead about ½ to 1 ft. and bail about forty gpm. with 40 to 50 ft. dd. even when 2 buckets of revert were added and drilled for an hour at a time no cuttings were recovered from the hole. (they were digipated) From 325 to 331 hole was advanced by driving ahead 1 ft. at a time, drilled out and bailed. 45 to 50 gpm with 30 to 50 ft. dd. Casing at 329½ 50 gpm with 21 ft. dd. Casing 331 50 gpm with 30 ft. dd. At 331 recuttings began being recovered from hole. 332 50 gpm with 28 ft. dd.
- 333 or 334 rocky clay brown
- 336 343 blue sandy clay
- 343 344½ very fine blue sand
- 344½ 345½ blue black silt
- 345½ 350 hard compacted blue silty clay

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The water from above gravel would usually start to show clear water
By the third to the fifth balor

WORK SHEET

MARI 2424

5/26-12E

SUBJECT

SHEET Mari 18

CLARK & GROFF ENG. INC.

I.O.

SALEM, OREGON

DATE

CITY of Woodburn, Ore.
 Drawdown - Capacity Test of Well @ The NDC.
 Test Run Nov. 17, 1967

Time	Drawdowns, ft.		Office Monometer Reading (in)	Discharge Capacity gpm
	Depth Below Top of Casing	Depth Below Static Water Level		

6:00 AM - Start Test, Static Water Level - 34 feet below top of casing
 Pump Speed - 1675 RPM

6:10	70.0	36.0	27	2240
6:30	140.0	106.0	24.5	2130
7:00	164.0	130.0	24	2110
7:30	164.5	130.5	23.5	2090
8:00	164.7	130.7	23.25	2080
8:30	165.8	131.8	23	2070
9:00	167.8	133.8	23.25	2080
9:30	166.0	132.0	23	2070
10:00	166.8	132.8	23	2070

Pump Speed - 1400 RPM

10:30	119.6	85.6	12	1500
11:00	119.1	85.1	12	1500
11:30	120.8	86.8	12	1500
11:45	121.2	87.2	12.25	1510
12:00	121.6	87.6	12.25	1510

Pump Speed - 1025 RPM

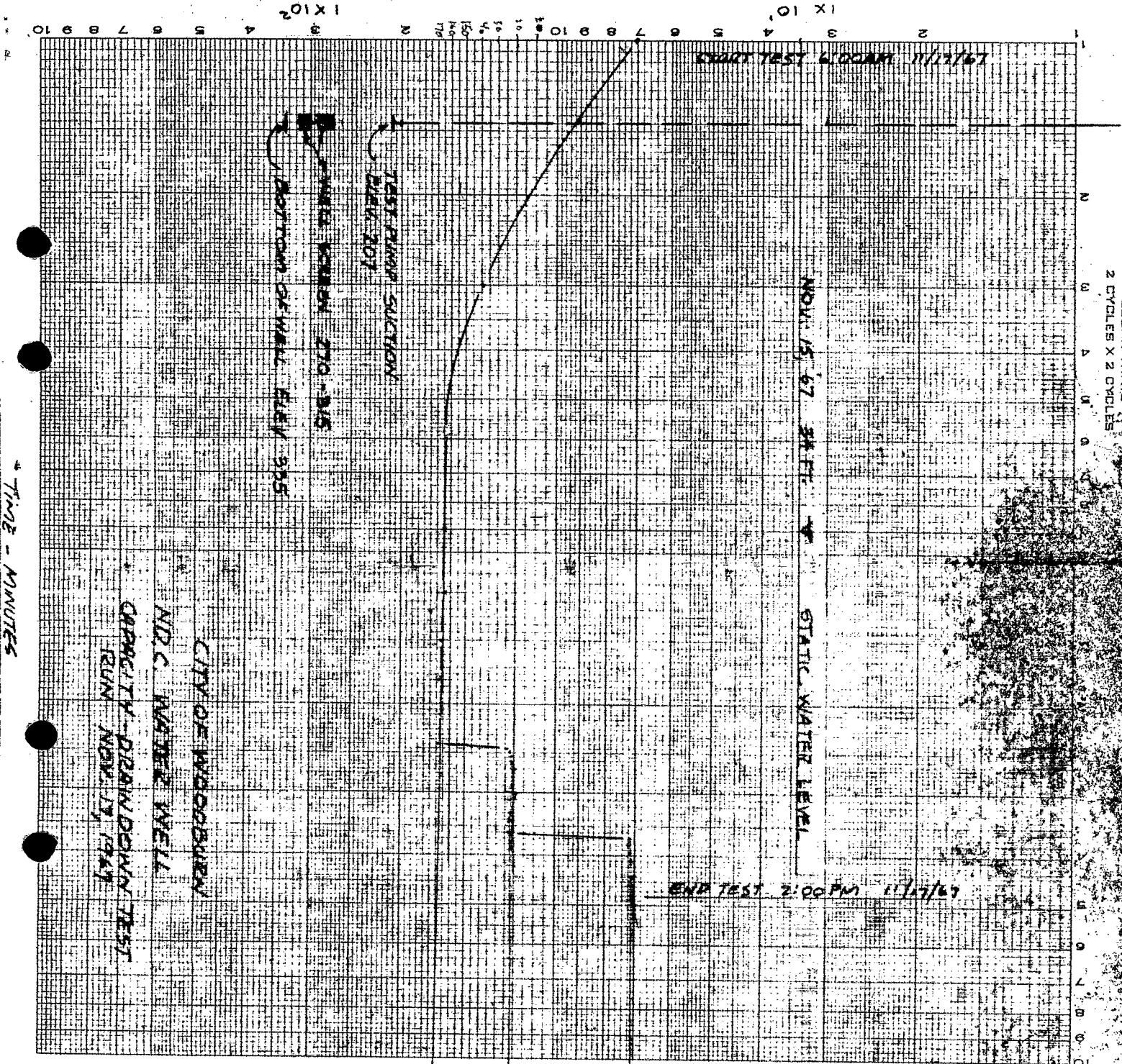
12:10 PM	71.7	37.7	31	738
12:20	72.0	38.0	29	715
12:35	71.4	37.4	29	715
12:50	71.1	37.1	30	725
1:20	70.5	36.5	30	725
1:40	70.3	36.3	30.5	730
2:00	70.7	36.7	31	738

2:01 - End Test

Specific Capacity

Discharge Capacity gpm	Drawdown feet	Specific Capacity gal per min per foot of drawdown
2070	132	15.7
1500	87	17.2
725	37	

PRAWDOWN - FT



Q = 725 gpm
DD = 37 ft.
S.C. = 725/37 = 19.4

Q = 1500 gpm
DD = 87 ft.
S.C. = 1500/87 = 17.2

Q = 2070 gpm
DD = 132 ft.
S.C. = 2070/132 = 15.7



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem Oregon 97301
(503) 986-0900
www.wrd.state.or.us

Application for
Well ID Number

Do not complete if the well already has a Well I.D Number.

I OWNER INFORMATION

Current Owner Name (please print): City of Woodburn, Or.
Mailing Address: 270 Montgomery St.
City: Woodburn State: OR. Zip: 97071
Mailing Address (to send Well I.D.): "Above"
City: State: Zip:

II. WELL INFORMATION (Do not complete this section if the well report is attached.)

Township: 5S (North/South) Range: 2W (East/West) Section: 12
Tax Lot: 6500 County: Marion SW 1/4 NW 1/4
Street Address of Well: 100 Woodland Ave. - Nazarene City: Woodburn
Owner at time the well was constructed, (if known):
If the property had a different street address in the past:

III. GENERAL WELL INFORMATION (Do not complete this section if the well report is attached)

Use of Well (domestic, irrigation, commercial, industrial, monitoring):
Date Well Constructed: Total Well Depth: Casing Diameter:
Other Information: "well # 7"

SUBMITTED BY (please print): Dennis R. Samson
PHONE: 503-982-5380 FAX: 982-7846

Send application to Oregon Water Resources Department; 725 Summer St NE, Suite A; Salem, Oregon 97301-1266; fax (503) 986-0902. Applications are processed and Well I.D. Numbers are mailed every Wednesday.

For Official Use Only by the Oregon Water Resources Department:
Received Date: 12-11-08 Well Log Number: MARI 2424 Well Identification #: L 99855

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Last Update: 11/04/08

Well I.D. Number/ 1

DEC 11 2008

WCC

* Revised to add tax lot, QQ, etc. per Groundwater site est. 2001. Note: Dedicated tax lot around well.

WATER RESOURCES DEPT
SALEM, OREGON