

TO: Water Rights Section

FROM: Groundwater/Hydrology Section

Reviewer's Name

SUBJECT: Application G-15566

Well #1 (CLAC 2331)

August 29, 2002

GROUNDWATER/SURFACE WATER CONSIDERATIONS

1. PER THE Willamette Basin rules, one or more of the proposed POA's ~~is~~ is not within 1/4 ~~foot~~/mile of a surface water source () and taps a groundwater source hydraulically connected to the surface water.
2. BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use
 - a. will, or have the potential for substantial interference with the nearest
 - b. X will not surface water source, namely ; or
 - c. will if properly conditioned, adequately protect the surface water from interference:
 - i. The permit should contain condition #(s) ;
 - ii. The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. The permit should be conditioned as indicated in item 4 below; or
 - d. will, with well reconstruction, adequately protect the surface from substantial interference.

GROUNDWATER AVAILABILITY CONSIDERATIONS

3. BASED UPON available data, I have determined that groundwater for the proposed use
 - a. will, or likely be available in the amounts requested without injury to prior rights
 - b. will not and/or within the capacity of the resource; or
 - c. X will if properly conditioned, avoid injury to existing rights or to the groundwater resource:
 - i. X The permit should contain condition #(s) 7E ; March
 - ii. The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. X The permit should be conditioned as indicated in item 4 below; or
4.
 - a. THE PERMIT should allow groundwater production from no deeper than ft. below land surface;
 - b. The permit should allow groundwater production from no shallower than ft. below land surface;
 - c. The permit should allow groundwater production only from the groundwater reservoir between approximately ft. and ft. below land surface;
 - d. Well reconstruction is necessary to accomplish one or more of the above conditions.
 - e. X One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS:

See Attached sheet

(Well Construction Considerations on Reverse Side)

G-15566

WELL CONSTRUCTION (If more than one well doesn't meet standards, attach an additional sheet.)

5. THE WELL which is the point of appropriation for this application does not meet current well construction standards based upon:
- a. ☒ review of the well log;
 - b. ☐ field inspection by _____;
 - c. ☐ report of CWRE _____;
 - d. ☐ other: (specify) _____
6. THE WELL construction deficiency:
- a. ☐ constitutes a health threat under Division 200 rules;
 - b. ☒ commingles water from more than one groundwater reservoir;
 - c. ☒ permits the loss of artesian head;
 - d. ☐ permits the de-watering of one or more groundwater reservoirs;
 - e. ☐ other: (specify) _____
7. THE WELL construction deficiency is described as follows: to be properly
constructed per current standards, well should be
sealed to 78' bgl
8. THE WELL a. ☐ was, or constructed according to the standards in effect at the time of
b. ☐ was not original construction or most recent modification.
☒ I don't know if it met standards at the time of construction.

RECOMMENDATION:

- A. ☐ I recommend including the following condition in the permit:
"No water may be appropriated under terms of this permit until the well(s) has been repaired to conform to current well construction standards and proof of such repair is filed with the Enforcement Section of the Water Resources Department."
- B. ☐ I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Enforcement Section of the Water Resources Department.
- ☒ REFER this review to Enforcement Section for concurrence.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

I concur in G/H's recommendation A or B above relating to conditioning or withholding the permit
_____, 199____
(Signature)

I do not concur in G/H's recommendation A or B above relating to conditioning or withholding the permit for the following reasons: _____

_____, 199____
(Signature)

INTEROFFICE MEMORANDUM

Water Rights Section

TO: Fred Lissner

August 14, 2002

FROM: Anita Huffman, Ext. 229

RE: GW File Number G-15566

Please have someone on your staff review the attached file. Donn Miller appears to be most familiar with the file. The additional review is necessary because: Information submitted indicates Well #1 is actually a different well than that originally noted by the applicant. See letter from Scott Ashcom, attached.

Please route to **ANITA HUFFMAN** in water rights when finished.

Thanks.

STATE OF OREGON
WATER RESOURCES DEPARTMENT

INTEROFFICE MEMO

TO: APPLICATION G-15566
FROM: DONN MILLER Dm
SUBJECT: RECOMMENDED PERMIT CONDITION
for wells #1 + #2

DATE: 8/29/02

The use of water under terms of this permit or certificate is subject to regulation concurrent with or prior to regulation of a senior right competing for water from the same source when regulation is the result of water level declines that exceed limits specified in the senior right.

Scott Ashcom
PO Box 4323
Portland, OR 97208
Ph: (503) 624-3783; fax: (503) 639-4754
e-mail: ashcoms@msn.com

13 June 2001

Anita M. Huffman
Senior Water Rights Technician
Oregon Water Resources Department
158 12th Street NE
Salem, OR 97013

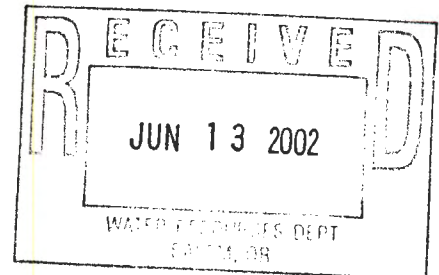
RE: Application File G-15566
Clarification of Well Log Data
Applicant: Ed Hunter
Whiskey Hill Nursery
7194 S. Barnards Rd.
Canby, OR 97013

Dear Anita:

This letter clarifies that the two well logs for the two wells described in the application should be Clack 2331 and Clack 2341. Well 1 on the application map is 2331, and well 2 on the application map is 2341. Thanks for the opportunity to clarify this information.

Sincerely,

Scott Ashcom
Scott Ashcom
Agent for the Applicant



BP-45000-112

TO: Water Rights Section

Sept 3 2001

FROM: Groundwater/Hydrology Section Don Miller

Reviewer's Name

SUBJECT: Application G- 15566

Well #2 (CLAC 2341)

GROUNDWATER/SURFACE WATER CONSIDERATIONS

PER THE Willamette Basin rules, one or more of the proposed POA's is not within 1/4 feet/mile of a surface water source () and taps a groundwater source hydraulically connected to the surface water.

BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use

- a. will, or have the potential for substantial interference with the nearest
(b) X will not surface water source, namely ; or
c. will if properly conditioned, adequately protect the surface water from interference:
i. The permit should contain condition #(s) ;
ii. The permit should contain special condition(s) as indicated in "remarks" below;
iii. The permit should be conditioned as indicated in item 4 below; or
d. will, with well reconstruction, adequately protect the surface from substantial interference.

GROUNDWATER AVAILABILITY CONSIDERATIONS

BASED UPON available data, I have determined that groundwater for the proposed use

- a. will, or likely be available in the amounts requested without injury to prior rights
b. will not and/or within the capacity of the resource; or
(c) X will if properly conditioned, avoid injury to existing rights or to the groundwater resource:
i. X The permit should contain condition #(s) 7E; March
ii. The permit should contain special condition(s) as indicated in "Remarks" below;
iii. X The permit should be conditioned as indicated in item 4 below; or

- a. THE PERMIT should allow groundwater production from no deeper than ft. below land surface;
b. The permit should allow groundwater production from no shallower than ft. below land surface;
c. The permit should allow groundwater production only from the groundwater reservoir between approximately ft. and ft. below land surface;
d. Well reconstruction is necessary to accomplish one or more of the above conditions.
(e) X One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS: See Attached Sheet

(Well Construction Considerations on Reverse Side)

G-15566

WELL CONSTRUCTION (If more than one well doesn't meet standards, attach an additional sheet.)

5. THE WELL which is the point of appropriation for this application does not meet current well construction standards based upon:
- a. ☒ review of the well log;
 - b. ☐ field inspection by _____;
 - c. ☐ report of CWRE _____;
 - d. ☐ other: (specify) _____
6. THE WELL construction deficiency:
- a. ☐ constitutes a health threat under Division 200 rules;
 - b. ☒ commingles water from more than one groundwater reservoir;
 - c. ☒ permits the loss of artesian head;
 - d. ☐ permits the de-watering of one or more groundwater reservoirs;
 - e. ☐ other: (specify) _____
7. THE WELL construction deficiency is described as follows: to be properly constructed per current standards, well should be sealed to 65' bgl
8. THE WELL
- a. ☐ was, or constructed according to the standards in effect at the time of
 - b. ☐ was not original construction or most recent modification.
 - c. ☒ I don't know if it met standards at the time of construction.

RECOMMENDATION:

- A. ☐ I recommend including the following condition in the permit:
"No water may be appropriated under terms of this permit until the well(s) has been repaired to conform to current well construction standards and proof of such repair is filed with the Enforcement Section of the Water Resources Department."
- B. ☐ I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Enforcement Section of the Water Resources Department.
- C. ☒ REFER this review to Enforcement Section for concurrence.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

I concur in G/H's recommendation A or B above relating to conditioning or withholding the permit
_____, 199____
(Signature)

I do not concur in G/H's recommendation A or B above relating to conditioning or withholding the permit for the following reasons: _____

_____, 199____
(Signature)

TO: Water Rights Section

Sept 3 2001
199

FROM: Groundwater/Hydrology Section

Don Miller

Reviewer's Name

SUBJECT: Application G- 15566

Well #1 (CLAC 2363)

GROUNDWATER/SURFACE WATER CONSIDERATIONS

1. PER THE Willamette Basin rules, one or more of the proposed POA's is/is not within 1/4 ~~foot~~ mile of a surface water source () and taps a groundwater source hydraulically connected to the surface water.
2. BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use
- a. will, or have the potential for substantial interference with the nearest
 - b. ☒ will not surface water source, namely ; or
 - c. will if properly conditioned, adequately protect the surface water from interference:
 - i. The permit should contain condition #(s) ;
 - ii. The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. The permit should be conditioned as indicated in item 4 below; or
 - d. will, with well reconstruction, adequately protect the surface from substantial interference.

Superseded

GROUNDWATER AVAILABILITY CONSIDERATIONS

3. BASED UPON available data, I have determined that groundwater for the proposed use
- a. will, or likely be available in the amounts requested without injury to prior rights
 - b. will not and/or within the capacity of the resource; or
 - c. ☒ will if properly conditioned, avoid injury to existing rights or to the groundwater resource:
 - i. ☒ The permit should contain condition #(s) 7E; March
 - ii. The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. ☒ The permit should be conditioned as indicated in item 4 below; or
4. a. THE PERMIT should allow groundwater production from no deeper than ft. below land surface;
- b. The permit should allow groundwater production from no shallower than ft. below land surface;
- c. The permit should allow groundwater production only from the groundwater reservoir between approximately ft. and ft. below land surface;
- d. Well reconstruction is necessary to accomplish one or more of the above conditions.
- e. ☒ One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS: See Attached sheet

(Well Construction Considerations on Reverse Side)

WELL CONSTRUCTION (If more than one well doesn't meet standards, attach an additional sheet.)

5. THE WELL which is the point of appropriation for this application does not meet current well construction standards based upon:
- a. ☒ review of the well log;
 - b. ☐ field inspection by _____;
 - c. ☐ report of CWRE _____;
 - d. ☐ other: (specify) _____
6. THE WELL construction deficiency:
- a. ☐ constitutes a health threat under Division 200 rules;
 - b. ☒ commingles water from more than one groundwater reservoir;
 - c. ☒ permits the loss of artesian head;
 - d. ☐ permits the de-watering of one or more groundwater reservoirs;
 - e. ☐ other: (specify) _____
7. THE WELL construction deficiency is described as follows: to be properly constructed per current standards, well should be sealed to 12.5' bgl.
8. THE WELL
- a. ☐ was, or constructed according to the standards in effect at the time of
 - b. ☐ was not original construction or most recent modification.
 - c. ☒ I don't know if it met standards at the time of construction.

RECOMMENDATION:

- A. ☐ I recommend including the following condition in the permit:
"No water may be appropriated under terms of this permit until the well(s) has been repaired to conform to current well construction standards and proof of such repair is filed with the Enforcement Section of the Water Resources Department."
- B. ☐ I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Enforcement Section of the Water Resources Department.
- C. ☒ REFER this review to Enforcement Section for concurrence.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

I concur in G/H's recommendation A or B above relating to conditioning or withholding the permit
_____, 199____
(Signature)

I do not concur in G/H's recommendation A or B above relating to conditioning or withholding the permit for the following reasons: _____

_____, 199____
(Signature)

STATE OF OREGON
WATER RESOURCES DEPARTMENT

INTEROFFICE MEMO

TO: APPLICATION G-15566
FROM: DONN MILLER DW
SUBJECT: RECOMMENDED PERMIT CONDITION

DATE: Sept 3, 2001

for Wells #1 & #2

The use of water under terms of this permit or certificate is subject to regulation concurrent with or prior to regulation of a senior right competing for water from the same source when regulation is the result of water level declines that exceed limits specified in the senior right.

**Water Right Conditions
Tracking Slip**

Groundwater/Hydrology Section

FILE == G-15566

ROUTED TO: Anita

TOWNSHIP/

RANGE-SECTION: 55/1E-5 66

CONDITIONS ATTACHED? ☒ Yes ☐ No

REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: D. Miller

MEMO

Aug - 31

2001

FROM GW: Don Miller
(Reviewer's Name)

☐ Yes☒ No☐ Yes☒ No☒

FLOW REDUCTION: (To be filled out only if Preponderance of Evidence box is not checked)

[illegible]

8/29/02

TO: Groundwater/Hydrology Files

Date 8/31/01

FROM: Dawn Miller

SUBJECT: Groundwater Application G- 15566

Phone: 503. 651. 2749

Name: Ed Hunter / Whisky Hill Nursery

Applicant(s) sock - gpm (0.488) ds from 2 well(s) in the

Proposed use: Irrigation
15.04 ACWillamette R basin
Molalla sub basin
Pudding sub basin
Rock / Bear

Pertinent 7 1/2-minute quads

Yoda

Well 1 WRD# ²³³¹ CLAC 2333 T. 5S R. 1E S. 5 Q. 66 County Clack
 Legal Description 400' E + 200' S of NW Corner, Section 5
 Well is 3000 + ft from Bear CR trib ① (river/stream)
 Well is 3000 + ft from Rock CR ② (river/stream)
 Well elevation 180 ft River/stream elevation ① 130' ② 100' ft
 Well elevation-river/stream elevation ① 50' ② 80'
 Well depth 138 90 SWL 60 38 on 4/6/72 10/7/78
 Sealed to 20 30 Depth first water found 80 85
 Cased to 135 83 Perforations/screens - -
 Lined to - Perforations/screens - -
 Well tests and types 40 gpm / 50' dd / 10 hr 45 gpm / 22' dd / 1 hr
 Confined or unconfined? Hydraulically connected?
 Potential to cause substantial interference?

Well 2 WRD# CLAC 2341 T. 5S R. 1E S. 5 Q. 66 County Clack
 Legal Description 850' E + 200' S of NW Corner, Section 5
 Well is 3000 + ft from Bear CR trib ① (river/stream)
 Well is 3000 + ft from Rock CR ② (river/stream)
 Well elevation 180 ft River/stream elevation ① 130' ② 100' ft
 Well elevation-river/stream elevation ① 50' ② 80'
 Well depth 84 SWL 35 on 7/1/76
 Sealed to 38 Depth first water found 75
 Cased to 70 Perforations/screens - -
 Lined to - Perforations/screens - -
 Well tests and types 35 gpm / 23' dd / 1 hr
 Confined or unconfined? Hydraulically connected?
 Potential to cause substantial interference?

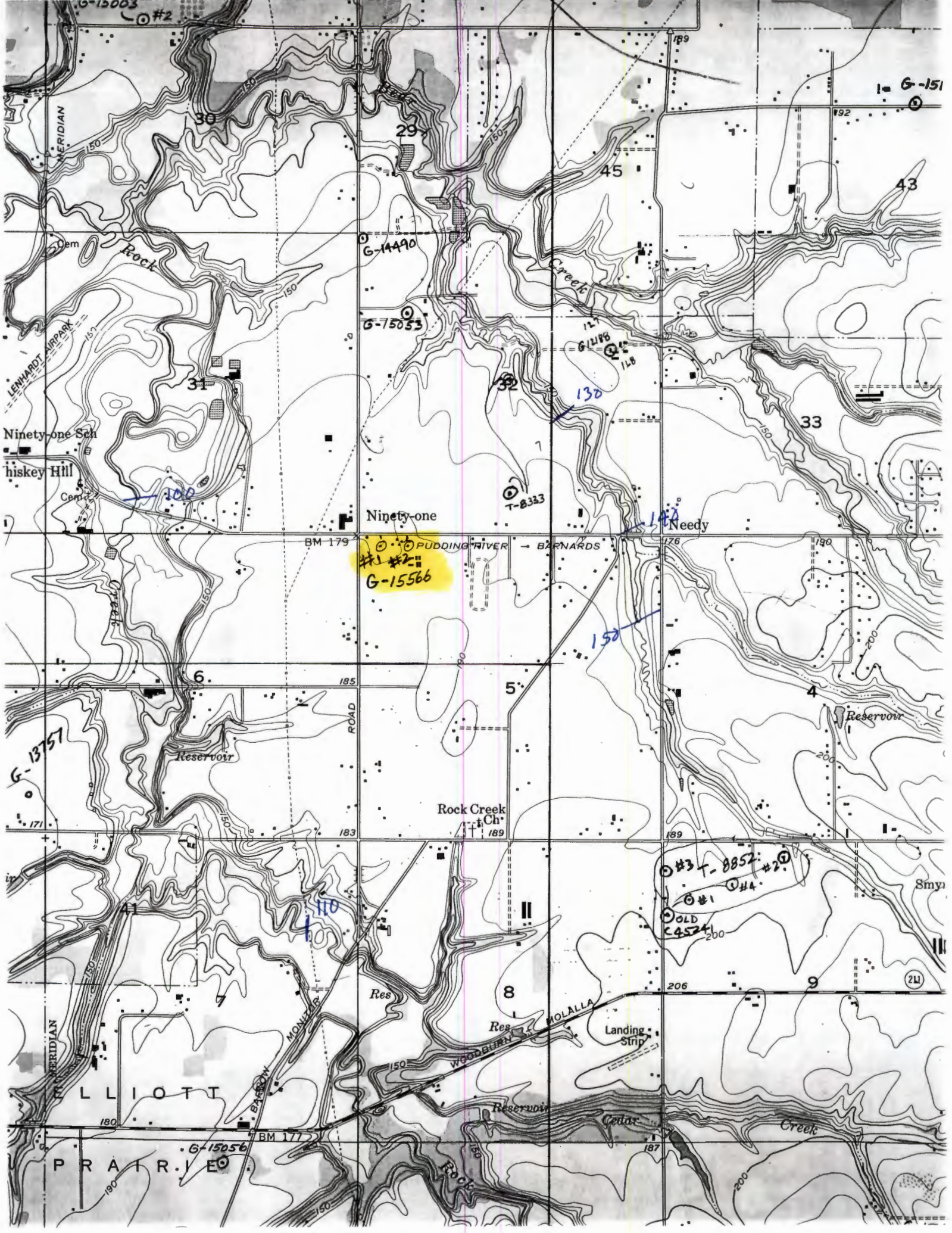
Conditioned water rights in area: yes

Other nearby water rights of record: yes

Density of nearby wells of record: high

Comments: The WSP's plate 1 projects the May '63 water table at
 170 to 175' at the site of the two wells

References used: USGS WSP 1997



NOTICE TO WATER WELL CONTRACTOR

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

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

WATER WELL REPORT

CLAC
02341

STATE OF OREGON

(Please type or print)

(Do not write above this line)

RECEIVED

JUL 9 - 1976

State Well No.

State Permit No.

WATER RESOURCES DEPT.

SALEM, OREGON

#2?

55/116-5

(1) OWNER:

Name Edmund D. Hunter
Address 7194 S. Barnards Rd.
Canby, Oregon

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☐ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:

8" Diam. from 0 ft. to 70 ft. Gage 250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:

Perforated? ☐ Yes ☒ No.

e of perforator used

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

(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?

Yield: gal./min. with ft. drawdown after hrs.

" " " "

Ball test 35 gal./min. with 23 ft. drawdown after 1 hrs.

Artesian flow g.p.m.

perature of water 54 Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used Bentonite

Well sealed from land surface to 38 ft.

Diameter of well bore to bottom of seal 10 in.

Diameter of well bore below seal 6 in.

Number of sacks of cement used in well seal _____ sacks

Number of sacks of bentonite used in well seal 1 1/2 sacks

Brand name of bentonite National

Number of pounds of bentonite per 100 gallons
of water 200 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: _____

Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL:

County Clackamas Driller's well number _____
1/4 1/4 Section 5 T. 58 R. 1E W.M.
Bearing and distance from section or subdivision corner _____

(11) WATER LEVEL: Completed well.

Depth at which water was first found 75 ft.

Static level 35 ft. below land surface. Date 7-1-76

Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing 6"

Depth drilled 34 ft. Depth of completed well 30 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.

MATERIAL	From	To	SWL
Soil brown	0	3	
Clay brown	3	42	
Sand brown (now W82?)	42	60	
Clay blue	60	75	
Sand red W. B	75	84	35

Per Info, well should
be sealed to 65' bgl

Work started 6-30 1976 Completed 7-1 1976

Date well drilling machine moved off of well 7-1 1976

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] Robert Stites Date 7-7, 1976.
(Drilling Machine Operator)

Drilling Machine Operator's License No. 776

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 A. C. Stites
(Person, firm or corporation) (Type or print)

Address 28290 S. Dryland Rd. Canby, 97013

[Signed] A. C. Stites
(Water Well Contractor)

Contractor's License No. 533 Date 7-7-76, 19

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.

RECEIVED
APR 24 1972

STATE OF OREGON
STATE ENGINEER
SALEM, OREGON
(Do not write above this line)

CLAC
02363

State Well No. 511-5

State Permit No.

(1) OWNER:

Name Ed Hunter

Address Juniper Court

Gresham, Oregon

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:

6" Diam. from 0 ft. to 137 ft. Gage 250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:

Perforated? ☐ Yes ☒ No.

Type of perforator used

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

(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: 40 gal./min. with 50 ft. drawdown after 10 hrs.

" " " "

" " " "

Bailer test gal./min. with ft. drawdown after hrs.

Artesian flow g.p.m.

Temperature of water 51° Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used Bentonite clay & drill cuttings

Well sealed from land surface to 20 ft.

Diameter of well bore to bottom of seal 10 in.

Diameter of well bore below seal 6 in.

Number of sacks of cement used in well seal none sacks

Number of sacks of bentonite used in well seal 1 sacks

Brand name of bentonite Prinville

Number of pounds of bentonite per 100 gallons

of water 100 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:

Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Clackamas

Driller's well number

1/4 1/4 Section 5 T. 5S R. 1E W.M.

Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 80 ft.

Static level 60 ft. below land surface. Date 4-6-72

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 6

Depth drilled 138 ft. Depth of completed well 138 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.

MATERIAL	From	To	SWL
Browns sandy top soil	0	2	Seal
Brown sandy clay	2	40	
Brown sand & gravel, dry	40	43	
Brown sandy clay	43	60	
Brown sand (now a WBZ?)	60	70	
Blue clay	70	95	
Tan clay	95	100	
Brown sand WBZ?	100	120	
Brown clay	120	135	
Brown sand and gravel WBZ	135	138	

Work started 3-30 1972 Completed 4-6 1972

Date well drilling machine moved off of well 4-6 1972

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] William D. Christenson Jr. Date 4-6 1972
(Drilling Machine Operator)

Drilling Machine Operator's License No. 500

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 William D. Christenson Jr.
(Person, firm or corporation) (Type or print)

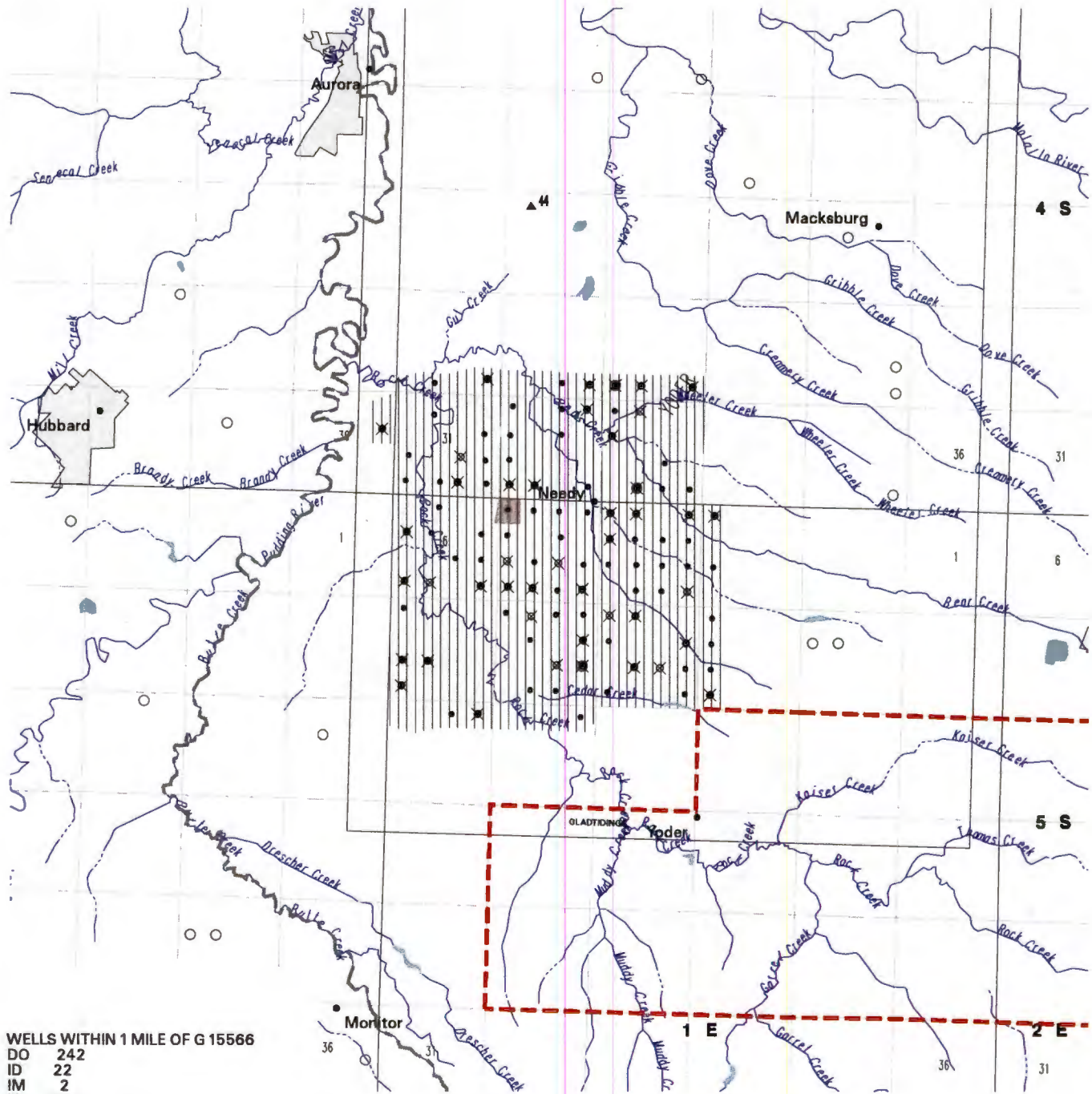
Address P.O. Box 343 Hubbard, Oregon

[Signed] William D. Christenson Jr.
(Water Well Contractor)

Contractor's License No. 511 Date 4-6 1972

Wells in the vicinity of application G 15566

- Application well(s) in this 1/4-1/4 section
- Well(s) identified in this section from OWRD's well log database within 1 mi. radius of application well(s)
- Well(s) identified in this 1/4-1/4 section from OWRD's well log database within 1 mi. radius of application well(s)
- ✕ Permitted well(s) in this 1/4-1/4 section within 1 mi. radius of application well(s)
- Conditioned, permitted well(s) in this 1/4-1/4 section within 5 mi. radius of application well(s)
- ▲ OWRD Observation well and well-id within 5 mi. radius of application well(s)
- Critical GW Area
- - - Regulated GW Area



WELLS WITHIN 1 MILE OF G 15566
 DO 242
 ID 22
 IM 2
 IR 56
 MU 2

PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 15566

\$RECNO	APPLICATION	PERMIT	LOC-QQ	USE	RATE	DIV-UNITS
1	G	5471	G 5379	4.00S 1.00W36SENE IR	0.3000	C
1	GR	4145	GR 3718	4.00S 1.00W36SENE IR	80.0000	G
2	G	7087	G 6556	4.00S 1.00E30SESE IR	2.3500	C
3	G	6251	G 5893	4.00S 1.00E29SESE IR	0.2100	C
4	G	13886	G 12609	4.00S 1.00E28SWSW AG	0.2000	C
4	G	13886	G 12609	4.00S 1.00E28SWSW IR	0.2000	C
5	G	2980	G 2776	4.00S 1.00E28SESW IR	0.1100	C
6	G	2980	G 2776	4.00S 1.00E28SESE IR	0.1900	C
6	G	2980	G 2776	4.00S 1.00E28SESE IR	1.0500	C
6	G	11946	G 10989	4.00S 1.00E28SESE IR	0.0350	C
6	G	11946	G 10989	4.00S 1.00E28SESE IR	0.4050	C
7	G	3997	G 3751	4.00S 1.00E32NENE IR	0.6700	C
8	G	5629	G 4921	4.00S 1.00E33NENW IR	0.3000	C
8	G	5629	G 4921	4.00S 1.00E33NENW IR	0.5600	C
9	G	2990	G 2781	4.00S 1.00E33SWNW IR	0.1400	C
10	G	5125	G 4863	4.00S 1.00E31NWSE IR	1.1000	C
11	GR	2866	GR 2700	4.00S 1.00E31SWSE IR	375.0000	G
12	G	13884	G 12520	4.00S 1.00E32SWSW AG	0.1125	C
13	G	5629	G 4921	4.00S 1.00E32SESW IC	1.9700	C
13	G	5629	G 4921	4.00S 1.00E32SESW IR	1.5100	C
14	G	13235	G 12084	4.00S 1.00E33SESW AG	1.0000	C
14	G	13235	G 12084	4.00S 1.00E33SESW IR	1.0000	C
15	G	13340	G 12405	5.00S 1.00E 4NWNW IR	0.3500	C
16	G	10887	G 10030	5.00S 1.00E 4NENW IR	0.2400	C
17	G	9418	G 8752	5.00S 1.00E 4NENE IR	0.2400	C
18	GR	3713	GR 3394	5.00S 1.00E 3NWNW IR	50.0000	G
19	G	12215	G 11528	5.00S 1.00E 6SWNW NU	0.1000	C
19	G	12215	G 11528	5.00S 1.00E 6SWNW NU	0.5000	C
19	GR	3276	GR 3046	5.00S 1.00E 6SWNW IR	50.0000	G
20	G	1815	G 1660	5.00S 1.00E 4SWNW IR	0.1900	C
20	G	5045	G 4755	5.00S 1.00E 4SWNW IR	0.2700	C
20	G	12597	G 11343	5.00S 1.00E 4SWNW IR	1.3200	C
21	G	493	G 378	5.00S 1.00E 5NWSW IR	0.3050	C
21	G	493	G 378	5.00S 1.00E 5NWSW IR	0.3600	C
21	G	9829	G 9500	5.00S 1.00E 5NWSW IR	0.2400	C
22	G	5575	G 5030	5.00S 1.00E 5NWSE IR	0.5000	C
23	G	6226	G 5683	5.00S 1.00E 6SWSW IR	0.1800	C
24	G	5336	G 5480	5.00S 1.00E 6SESW IR	0.0100	C
24	GR	1851	GR 1796	5.00S 1.00E 6SESW IR	98.0000	G
25	GR	2752	GR 4031	5.00S 1.00E 6SESE IR	60.0000	G
26	GR	2420	GR 2300	5.00S 1.00E 5SWSW IR	100.0000	G
27	G	13835	G 12277	5.00S 1.00E 5SESW IR	0.2500	C
28	G	1472	G 1351	5.00S 1.00E 5SESE IR	0.4500	C
29	G	5218	G 5079	5.00S 1.00E 4SESE IR	0.8000	C
30	G	8628	G 7946	5.00S 1.00E 8NENW IR	0.7000	C
31	G	5219	G 5080	5.00S 1.00E 9NWNW IR	0.9200	C
31	G	6618	G 6197	5.00S 1.00E 9NWNW IR	0.6600	C
32	GR	2769	GR 2618	5.00S 1.00E 9NENW IR	10.0000	G
33	G	3243	G 3046	5.00S 1.00E 8SENE IR	0.0200	C
33	G	3243	G 3046	5.00S 1.00E 8SENE IR	0.2300	C
33	G	9473	G 8891	5.00S 1.00E 8SENE IR	0.1400	C
33	G	9473	G 8891	5.00S 1.00E 8SENE TC	0.2700	C
33	G	9888	G 8927	5.00S 1.00E 8SENE IR	0.1700	C
33	G	12986	G 12337	5.00S 1.00E 8SENE AG	0.6700	C
33	G	12986	G 12337	5.00S 1.00E 8SENE IR	0.6700	C
34	G	4419	G 4046	5.00S 1.00E 9SENE IR	0.8300	C
34	G	5528	G 5414	5.00S 1.00E 9SENE IR	0.3600	C
35	G	6515	G 6127	5.00S 1.00E 7NWSW IR	0.3200	C
35	G	8053	G 7459	5.00S 1.00E 7NWSW IC	1.0300	C
35	GR	4262	GR 4113	5.00S 1.00E 7NWSW IR	120.0000	G
36	G	3505	G 3301	5.00S 1.00E 7NESW IR	0.5200	C
37	G	8941	G 9799	5.00S 1.00E 8NWSE GH	0.0300	C
37	G	8941	G 9799	5.00S 1.00E 8NWSE IC	0.2100	C
37	G	8941	G 9799	5.00S 1.00E 8NWSE NU	0.2300	C
37	G	8941	G 9799	5.00S 1.00E 8NWSE TC	0.5500	C
38	G	12985	G 11958	5.00S 1.00E 8NESE IR	400.0000	G
38	G	12985	G 11958	5.00S 1.00E 8NESE NU	400.0000	G
39	G	4822	G 4541	5.00S 1.00E 9NESW IR	1.3900	C

39	G	5320	G	5143	5.00S	1.00E	9NESW	IR	0.5000	C
40	G	4054	G	3802	5.00S	1.00E	9NWSE	IR	0.5100	C
41	GR	614	GR	586	5.00S	1.00E	7SWSW	IR	256.0000	G
42	GR	1675	GR	1625	5.00S	1.00E	10SWSW	IR	70.0000	G
43	G	6145	G	5835	5.00S	1.00E	18NENE	IR	0.4100	C

CONDITIONED WELLS WITHIN 5 MILES OF APPLICATION G 15566

\$RECNO	APPLICATION	PERMIT	LOC-QQ	CONDITION-CODE
1	G	13144	G 12013	4.00S 1.00W27NENE 4LG
1	G	13144	G 12013	4.00S 1.00W27NENE 4LW
2	G	13893	G 12425	4.00S 1.00W35SENW 7BG
2	G	13893	G 12425	4.00S 1.00W35SENW 7BR
3	G	13195	G 12095	4.00S 1.00E 8SESE 4IG
3	G	13195	G 12095	4.00S 1.00E 8SESE 4IR
3	G	13195	G 12095	4.00S 1.00E 8SESE 4IG
3	G	13195	G 12095	4.00S 1.00E 8SESE 4IR
4	G	13325	G 11962	4.00S 1.00E 9SESE 4K
5	G	12884	G 11633	4.00S 1.00E15SESW 4GG
6	G	13279	G 11778	4.00S 1.00E23SENW 4IG
6	G	13279	G 11778	4.00S 1.00E23SENW 4IR
7	G	12998	G 11741	4.00S 1.00E26NESE 4GG
8	G	13886	G 12609	4.00S 1.00E28SWSW 7BG
8	G	13886	G 12609	4.00S 1.00E28SWSW 7BR
8	G	13886	G 12609	4.00S 1.00E28SWSW 7BG
8	G	13886	G 12609	4.00S 1.00E28SWSW 7BR
9	G	13449	G 12126	4.00S 1.00E26SESE 7BG
9	G	13449	G 12126	4.00S 1.00E26SESE 7BR
10	G	13235	G 12084	4.00S 1.00E33SESW 4IG
10	G	13235	G 12084	4.00S 1.00E33SESW 4IR
10	G	13235	G 12084	4.00S 1.00E33SESW 4KG
10	G	13235	G 12084	4.00S 1.00E33SESW 4IG
10	G	13235	G 12084	4.00S 1.00E33SESW 4IR
10	G	13235	G 12084	4.00S 1.00E33SESW 4KG
11	G	11939	G 11443	4.00S 1.00E35SESE 4H
11	G	11939	G 11443	4.00S 1.00E35SESE 4I
12	G	14072	G 12874	5.00S 1.00W 4SENE 7BG
12	G	14072	G 12874	5.00S 1.00W 4SENE 7BR
13	G	12799	G 11614	5.00S 1.00W15NWNE 4GG
13	GR	771	GR 746	5.00S 1.00W15NWNE
14	G	13661	G 12034	5.00S 1.00W13SENW 4KG
14	G	13661	G 12034	5.00S 1.00W13SENW 4KG
15	G	13260	G 11705	5.00S 1.00W26SWNW 4IG
16	G	13260	G 11705	5.00S 1.00W26SENW 4IG
17	G	12129	G 11454	5.00S 1.00W35SENW 4B
18	G	12719	G 11772	5.00S 1.00W36NESE 3BW
18	G	12719	G 11772	5.00S 1.00W36NESE 4DG
18	G	12719	G 11772	5.00S 1.00W36NESE 4LG
18	G	12719	G 11772	5.00S 1.00W36NESE 4LW
18	G	12409	G 12327	5.00S 1.00W36NESE
19	G	13079	G 12161	5.00S 1.00E11SWNW 7DG
19	G	13079	G 12161	5.00S 1.00E11SWNW 7DR
19	G	13079	G 12161	5.00S 1.00E11SWNW 7DG
19	G	13079	G 12161	5.00S 1.00E11SWNW 7DR
20	G	13079	G 12161	5.00S 1.00E11SENW 7DG
20	G	13079	G 12161	5.00S 1.00E11SENW 7DR
20	G	13079	G 12161	5.00S 1.00E11SENW 7DG
20	G	13079	G 12161	5.00S 1.00E11SENW 7DR
21	G	12985	G 11958	5.00S 1.00E 8NESE 4K
21	G	12985	G 11958	5.00S 1.00E 8NESE 4K

APPLICATION G 15566 FALLS WITHIN THESE QUAD(S)

YODER

The following OWRD Groundwater Management Areas are within the map extent:

\$RECNO	NAME1	NAME2	SUB-AREA	STATUS
1	GLADTIDINGS			LIMI
2	MT ANGEL			LIMI

File Original and
First Copy with the
STATE ENGINEER,
SALEM, OREGON

RECEIVED

JUL 13 1959

WATER WELL REPORT

STATE OF OREGON

State Well No. 51-5RTD

State Permit No. G-1351

OWNER:

STATE ENGINEER

OBSERVATION WELL

Name H. D. ROGERS SALEM, OREGON

Address RT 1 HUBBARD ORE

(2) LOCATION OF WELL: Permit # G/1351

County Clatsop Owner's number, if any -
S.E. 1/4 of Section 5 T. 5. S. R. 1. E. W.M.

Bearing and distance from section or subdivision corner

Well is 105.5' from N.W.
from Section Corner

(3) TYPE OF WORK (check):

Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
Abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) TYPE OF WELL:

Rotary ☐ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(6) CASING INSTALLED:

Threaded ☐ Welded ☒

10" Diam. from 1' ft. to 139' ft. Gage 28
10" Diam. from 1' ft. to 139' ft. Gage
10" Diam. from 1' ft. to 139' ft. Gage

(7) PERFORATIONS:

Perforated? ☒ Yes ☐ No

Type of perforator used MILLS

SIZE of perforations 2 1/2" in. by 2 1/2" in.
290 perforations from 0' ft. to 126' ft.
perforations from 0' ft. to 126' ft.
perforations from 0' ft. to 126' ft.
perforations from 0' ft. to 126' ft.
perforations from 0' ft. to 126' ft.

(8) SCREENS:

Well screen installed ☐ Yes ☒ No

Manufacturer's Name

Model No.

1/2" Slot size Set from 0' ft. to 126' ft.
1/2" Slot size Set from 0' ft. to 126' ft.

(9) CONSTRUCTION:

Well gravel packed? ☒ Yes ☐ No Size of gravel: 20-40
Gravel placed from 0' ft. to 6' ft.
Was a surface seal provided? ☒ Yes ☐ No To what depth? 6' ft.
Material used in seal - PUMP COVERED
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:

Static level 126' ft. below land surface Date 6-20-59
Artesian pressure lbs. per square inch Date

Log Accepted by:

[Signed] [Signature] Date 6-20-59
[Signature] (Owner)

(11) WELL TESTS:

Drawdown is amount water lowered below static level 5' at 100 g.p.m.

Was a pump test made? ☒ Yes ☐ No If yes, by whom?

Yield: 200 gal./min. with 0' ft. drawdown after 2 hrs.

Ball test gal./min. with 0' ft. drawdown after 2 hrs.

Artesian flow g.p.m. Date

Temperature of water 56 Was a chemical analysis made? ☐ Yes ☒ No

(12) WELL LOG:

Diameter of well 10 inches

Depth drilled 139' ft. Depth of completed well 139' ft.

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
TOP SOIL	0	2
SHALE YELLOW CLAY COLOR	2	24
CLAY BLUE SANDY	24	35
CLAY BLUE SLICKY	35	41
CLAY BROWN FIRM	41	47
SANDSTONE GREEN	47	77
SANDSTONE GREEN	77	88
SHALE BLUE CLAY	88	116
SHALE BROWN	116	123
SHALE GRAY	123	139

Work started 6-17-59 Completed 6-20-59

(13) PUMP:

Manufacturer's Name Western Pump Co. San Jose Calif.
Type Turbine H.P. 15

Well Driller's Statement:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME J. H. STEEN SONS (Person, firm, or corporation) (Type or print)

Address 2501 3rd St. SE Salem, Ore.

Driller's well number

[Signed] [Signature] (well Driller)

License No. Date 6-20-59

(USE ADDITIONAL SHEETS IF NECESSARY)

Water Level Record

OWNER: A. D. Rogie

Description of Well 139 foot irrigation well near Needy developing water from sandstone

Date	Water Level Feet (above) (below) Land Surface	Date	Water Level Feet (above) (below) Land Surface	Date	Water Level Feet (above) (below) Land Surface	Date	Water Level Feet (above) (below) Land Surface
7-5-62	✓ 27.87	1-30-67	21.63	7-13-71	31.25	1-17-77	29.30
11-7-62	27.42	4-24	22.35	10-13	29.92	3-14	28.00
2-19-63	19.98	7-17	34.05	1-17-72	24.97	4-12	28.39
4-16-63	18.74	10-17	28.67	4-20	23.70	7-18	41.65
8-1-63	✓ 30.75	1-15-68	24.36	9-6	30.62	10-17	31.75
11-12-63	24.09	4-15	22.80	1-19-73	24.08	1-17-78	23.89
2-13-64	19.56	7-16	28.61	5-17	30.93	4-10	24.88
4-27-64	21.49	10-14	26.70	7-23	pump in	7-21	Pumping
7-28-64	✓ 41.23	1-20-69	20.37	10-17	23.13	10-6	31.58
10-27-64	27.03	4-14	22.94	10-16-74	39.58	4-16-79	24.11
1-21-65	20.92	7-14	26.48	1-20-75	24.90		dropped
4-27-65	22.55	10-14	27.56	4-11	27.37		
7-22-65	28.33	1-16-70	22.09	7-11	39.88		
10-21-65	27.68	4-13	22.81	10-20	30.45		
1-24-66	22.07	7-20	40.81	1-16-76	23.83		
4-25-66	23.30	10-19	30.08	4-16	23.64		
7-25-66	30.38	1-18-71	23.15	7-16	39.68		
10-24-66	27.78	4-15	21.92	10-8	32.73		

REMARKS: ✓ PUMP JUST OFF