

RECEIVED

OCT 22 2010

WATER RESOURCES DEPT
SALEM, OREGON

**Attachment 3
Well Logs**

Application for a Water Right Transfer – Certificate 43436

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

STATE OF OREGON

(Please type or print)

(Do not write above this line)

RECEIVED

APR 9 1974

State Well No. 25/3E-5

STATE ENGINEER
SALEM, OREGON

State Permit No.

(1) OWNER:

Name DAMASCUS WATER DISTRICT
Address 19781 Highway 212
Boring Oregon

(2) TYPE OF WORK (check): (WELL NO. 1)

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:

Liner 6" Diam. from 826 ft. to 1066 ft. Threaded Welded
Gage 250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(5) PERFORATIONS:

Perforated? Yes No.

Type of perforator used TORCH
Size of perforations 3/16 in. by 6 in.
280 perforations from 834 ft. to 974 ft.
170 perforations from 980 ft. to 1063 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?
Field: gal./min. with ft. drawdown after hrs.
SEE 1963 Original well report

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

Artesian flow g.p.m.

Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used
Well sealed from land surface to ft.
Diameter of well bore to bottom of seal OCT 22 2010
Diameter of well bore below seal in.
Number of sacks of cement used in well seal
Number of sacks of bentonite used in well seal SALEM, OREGON
Brand name of bentonite
Number of pounds of bentonite per 100 gallons
of water lbs./100 gals.
Was a drive shoe used? Yes No Plug: 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
S.E. 1/4 S.E. 1/4 Section 5 T. 2S. R. 3E W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found ft.
Static level 190 ft. below land surface. Date 1/31/74
Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Cased to

Diameter of well below casing bottom
Depth drilled to 1066 ft. Depth of completed well 1066 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
Bailed, drilled and cleaned out from 960 ft. to bottom			
Shale, gray and broken rock cavings	960	1066	
In 1963 the 8 inch casing installed to 834 ft. Feb. 11th 1974 installed the 240 ft. of perforated liner from 826 to bottom, overlapped 8 ft. Welded Drive Shoe on bottom and one on top of liner, for safety in case of hard driving.			

Work started Jan. 31 1974 Completed Feb. 12 1974
Date well drilling machine moved off of well Feb. 13 1974

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] Earl V. Baker Date March 4, 1974
(Drilling Machine Operator)

Drilling Machine Operator's License No. 190

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 HAAKON BOTTNER DRILLING CO.
(Person, firm or corporation) (Type or print)

Address 3424 S.E. 174th., PORTLAND, OR. 97236

[Signed] Haakon Bottner
(Water Well Contractor)

Contractor's License No. 109 Date MARCH 4th., 1974

CLAC 04579

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
STATE ENGINEER
SALEM, OREGON

State Well No. 2/3-5P(1)
State Permit No.

(1) OWNER:

Name Bonanza Water District
Address Bonanza, Oregon

(2) LOCATION OF WELL:

County Clatsop Driller's well number
1/4 Sec 2 T. 2 S. R. 3 E. W.M.
Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):

Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) TYPE OF WELL:

Notary Driven
Cable Jetted
Dug Bored

(6) CASING INSTALLED:

1st 10 " Diam. from 0 ft. to 40 ft. Gage 250
1st 16 " Diam. see bell hole on bottom
8 " Diam. from 0 ft. to 83 1/2 ft. Gage 277

(7) PERFORATIONS:

Perforated? Yes No
Type of perforator used 1 way star Drive down
Size of perforators 3/8 in. by 1 1/2 in.
30 perforations from 300 ft. to 305 ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.

(8) SCREENS:

Well screen installed? Yes No
Manufacturer's Name _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(9) CONSTRUCTION:

Well seal—Material used in seal sand, gravel & cement
Depth of seal 40 ft. Was a packer used? no
Diameter of well bore to bottom of seal 16 in.
Were any loose strata cemented off? Yes No Depth _____
Was a drive shoe used? Yes No
Was well gravel packed? Yes No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.
Did any strata contain unusable water? Yes No
Type of water? _____ Depth of water? _____
Method of sealing strata off _____

(10) WATER LEVELS:

Static level 190 ft. below land surface Date 7/30/63
Artesian pressure _____ lbs. per square inch Date _____

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom? Self
Yield: 170 gal./min. with 67 ft. drawdown after 1 hrs.
" 200 " " 7 1/2 " " 2 "
" 225 " " 8 1/2 " " 3 "
250 gal./min. with 97 ft. drawdown after 1 hrs.
275 " " 10 1/2 " " 1 1/2 "
Temperature of water 51° Was a chemical analysis made? Yes No

(12) WELL LOG:

Diameter of well below casing _____
Depth drilled 1066 ft. Depth of completed well 1066 ft.
Formation: Describe by color, character, etc. of material and structure, and show thickness of equifers 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
Clay, red	0	30
Bank, red, grayish	30	157
Bank, gray, hard	157	303
Gravel, cemented	303	352
Clay, blue	352	387
Bank, gray, lava	387	399
Clay, blue	399	427
Bank, gray, lava	427	434
Clay, gray	434	445
Shale, gray, sandy	445	448
Clay, blue, streaked w/red	448	455
Basalt, gray, soft, w/ traces of clay, some water	455	833
Bank, basalt, dark gray	833	860
Bank, basalt, black, traces of brown & red particles	860	975
Basalt, w/ ledge of gray shale	975	1012
Basalt, black, very hard	1012	1023
Bank, (sand rock)	1023	1028
Basalt, black, hard (sandy)	1028	1030
Basalt, black, w/ soft strata	1030	1066

Water bearing

Work started Aug 20 1962 Completed Jan 14 1963
Date well drilling machine moved off of well _____

1st dry exploratory hole drilled Jan 21-63 -- moved 3/18/63
1st 16 " well able to run pipe & develop
3 63 drilled to move machine
Water Well Contractor's Certificate No. July 31 63

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

NAME Harmon Bettner Drilling Company
(Person, firm or corporation) (Type or print)
Address 3424 S. Holgate, Portland Oregon

Drilling Machine Operator's License No. 246
[Signed] Harmon Bettner
(Water Well Contractor)
Contractor's License No. 109 Date 7/26/63, 1963

2/3-5 R(1)
CLACKAMAS

OREGON STATE BOARD OF HEALTH
Mineral Content of Water

JAN 16 1965
STATE

Name of Water Supply Damascus
Source Well
Sampling Point Well
Collected By F. G. Katzal Date 1/6/65
Analysis By A. W. Hose Date 1/14/65
Laboratory Number 885

	<u>Mg/L</u>		<u>Mg/L</u>
Color	<u>2</u>	Conductance (mc mho/cm)	<u>183</u>
Turbidity	<u>32</u>	Chlorides	<u>5.2</u>
Solids, Total	<u>364</u>	Sodium	<u>11.2</u>
Solids, Volatile	<u>93</u>	Potassium	<u>2.0</u>
Carbon Dioxide	<u>6.0</u>	Fluoride	<u>0.22</u>
pH	<u>7.5</u>	Phosphates	<u>0.18</u>
Alkalinity, Total as CaCO ₃	<u>95</u>	Sulfates	<u>1.5</u>
Hardness as CaCO ₃	<u>88.9</u>	Silicon	<u>51</u>
Calcium	<u>13.4</u>	Aluminum	<u><0.05</u>
Magnesium	<u>13.4</u>	Nitrogen, Ammonia	<u>0.25</u>
Iron	<u>0.04</u>	Nitrogen, Nitrite	<u>0.02</u>
Manganese	<u><0.05</u>	Nitrogen, Nitrate	<u>0.40</u>
Arsenic	<u><0.005</u>		

REMARKS

WSSP-10, 6/62

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WATER RESOURCES DEPT
SALEM, OREGON



LABORATORY CERTIFICATE

Charlton Laboratories

ANALYTICAL AND CONSULTING CHEMISTS

Physical Testing . . . Sanitary Bacteriology

2340 S. W. JEFFERSON STREET
P. O. BOX 1048
PORTLAND, OREGON 97207
PHONE 228-8883

2/3-5R

RECEIVED
AUG 17 1967

STATE ENGINEER
SALEM, OREGON
LABORATORY NO. 82758

TO: Damascus Water District
Rt. 2 Box 406
Boring, Oregon
SUBJECT: Attention: Mr. Thomas C. Gray
Well Water
Well #2

DATE: July 26, 1967
DATE RECEIVED: 7/18/67

ANALYSIS

pH Value	7.50
	<u>parts per million</u>
Total Solids (Residue on Evaporation)	160
Alkalinity (as CaCO ₃)	
Carbonate	0
Bicarbonate	94
Hardness (as CaCO ₃)	64
Iron (Fe)	0.08
Chloride (Cl)	6.2
Sulfate (SO ₄)	1.0

REMARKS: This is a just slightly hard bicarbonate type water (water less than 60 p.p.m. hardness is considered soft water). The total mineralization is low as is the iron content. This water should be satisfactory for general use and will require only moderate treatment for use in steam boilers.

CHARLTON LABORATORIES, INC.

J. M. Hogl
J. M. Hogl

JMH:lr
3c

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OCT 22 2010

WATER RESOURCES DEPT
SALEM, OREGON

OREGON STATE BOARD OF HEALTH

Mineral Content of Water

JAN 15 1965
STATE ENGINEER
SALEM, OREGON

Name of Water Supply Damascus
 Source Well
 Sampling Point Well
 Collected By F. G. Katzel Date 1/6/65
 Analysis By A. W. Hose Date 1/14/65
 Laboratory Number 885

	<u>Mg/L</u>		<u>Mg/L</u>
Color	<u>2</u>	Conductance (mc mho/cm)	<u>183</u>
Turbidity	<u>32</u>	Chlorides	<u>4.2</u>
Solids, Total	<u>364</u>	Sodium	<u>11.2</u>
Solids, Volatile	<u>93</u>	Potassium	<u>2.0</u>
Carbon Dioxide	<u>6.0</u>	Fluoride	<u>0.22</u>
pH	<u>7.5</u>	Phosphates	<u>0.18</u>
Alkalinity, Total as CaCO ₃	<u>95</u>	Sulfates	<u>1.5</u>
Hardness as CaCO ₃	<u>88.9</u>	Silicon	<u>51</u>
Calcium	<u>13.4</u>	Aluminum	<u>< 0.05</u>
Magnesium	<u>13.4</u>	Nitrogen, Ammonia	<u>0.25</u>
Iron	<u>0.04</u>	Nitrogen, Nitrite	<u>0.02</u>
Manganese	<u>< 0.05</u>	Nitrogen, Nitrate	<u>0.40</u>
Arsenic	<u>< 0.005</u>		

REMARKS _____

RECEIVED

OCT 22 2010

WATER RESOURCES DEPT
SALEM, OREGON



LABORATORY CERTIFICATE

Charlton Laboratories

ANALYTICAL AND CONSULTING CHEMISTS

Physical Testing . . . Sanitary Bacteriology

2340 S. W. JEFFERSON STREET
P. O. BOX 1048

PORTLAND, OREGON 97207

PHONE 228-9663

413-5K
Clackamas

RECEIVED
AUG 17 1967

STATE ENGINEER

SALEM, OREGON

LABORATORY NO. 82758

DATE: July 26, 1967

DATE RECEIVED: 7/18/67

TO: Damacus Water District
Rt. 2 Box 406
Boring, Oregon
Attention: Mr. Thomas C. Gray

SUBJECT: Well Water
Well #2

ANALYSIS

pH Value	7.50
	<u>parts per million</u>
Total Solids (Residue on Evaporation)	160
Alkalinity (as CaCO ₃)	
Carbonate	0
Bicarbonate	94
Hardness (as CaCO ₃)	64
Iron (Fe)	0.08
Chloride (Cl)	6.2
Sulfate (SO ₄)	1.0

REMARKS: This is a just slightly hard bicarbonate type water (water less than 60 p.p.m. hardness is considered soft water). The total mineralization is low as is the iron content. This water should be satisfactory for general use and will require only moderate treatment for use in steam boilers.

CHARLTON LABORATORIES, INC.

J. M. Hogl
J. M. Hogl

JMH:lr
3c

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WATER RESOURCES DEPT.
SALEM, OREGON

Check 20631

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

Handwritten scribbles and initials

State Well No. _____
State Permit No. _____

These reports and first copy of this report are to be filed with the ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

1) OWNER: DAMASCUS WATER DISTRICT
19781 Highway 212
Boring Oregon

2) TYPE OF WORK (check): (WELL NO. 1)
New Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 13.

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

5) CASING INSTALLED:
Threaded Welded
" Diam. from 826 ft. to 1066 ft. Gage 250
" Diam. from _____ ft. to _____ ft. Gage _____
" Diam. from _____ ft. to _____ ft. Gage _____

6) PERFORATIONS:
Perforated? Yes No.
of perforator used TORCH
Size of perforations 3/16 in. by 6 in.
280 perforations from 834 ft. to 974 ft.
170 perforations from 980 ft. to 1063 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.

3) WELL TESTS:
Drawdown is amount water level is lowered below static level
as a pump test made? Yes No If yes, by whom?
yield: gal./min. with ft. drawdown after hrs.
SEE 1963 Original well report
flow test gal./min. with ft. drawdown after hrs.
artesian flow g.p.m.
Temperature of water _____ Depth artesian flow encountered _____ ft.

INSTRUCTION:
If seal—Material used _____
If sealed from land surface to _____ ft.
meter of well bore to bottom of seal _____
meter of well bore below seal _____ in. SALEM, OREGON
number of sacks of cement used in well seal _____ sacks
number of sacks of bentonite used in well seal _____ sacks
Brand name of bentonite _____
number of pounds of bentonite per 100 gallons _____
_____ lbs./100 gals.
A drive shoe used? Yes No Plugs _____ Size: location _____ ft.
Do strata contain unusable water? Yes No
_____ water? _____ depth of strata _____
_____ of sealing strata off _____
Is gravel packed? Yes No Size of gravel: _____
_____ placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL:
County Clackamas Driller's well number _____
S.E. 1/4 S.E. 1/4 Section 5 T. 28. R. 3E W. _____
Bearing and distance from section or subdivision corner _____

(11) WATER LEVEL: Completed well.
Depth at which water was first found _____
Static level 190 ft. below land surface. Date 1/31/74
Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG: Cased to bottom
Diameter of well below casing _____
Depth drilled to 1066 ft. Depth of completed well 1066
Formation: Describe color, texture, grain size and structure of material 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
Bailed, drilled and cleaned out from 960 ft. to bottom			
Shale, gray and broken rock savings	960	1066	
In 1963 the 8 inch casing installed to 834 ft. Feb. 11th 1974 installed the 240 ft. of perforated liner from 826 to bottom, overlapped 8 ft. welded drive shoe on bottom and one on top of liner, for safety in case of hard driving.			

Work started Jan. 31 1974 Completed Feb. 12 1974
Date well drilling machine moved off of well Feb. 23 1974

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] Ernie V. Baker Date March 4, 1974
(Drilling Machine Operator)
Drilling Machine Operator's License No. 190

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 HAakon BOTTNER DRILLING CO.
(Person, firm or corporation) (Type or print)
Address 3424 S.E. 174th, PORTLAND, OR. 97234
[Signed] Haakon Bottner
(Water Well Contractor)
Contractor's License No. 109 Date MARCH 4th, 1974

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OCT 22 2010

WATER RESOURCES DEPT
SALEM, OREGON

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 RECEIVED

STATE OF OREGON

State Well No. _____

(Please type or print)

AUG 17 1976 State Permit No. 25/3E-9

(Do not write above this line)

WATER RESOURCES DEPT. Permit No. G-6096

(1) OWNER: WELL NO. 6 (563-044)

Name Damascus WATER DISTRICT
Address 19750 S.E. DAMASCUS LANE
BORING 2 OREGON 97009

(10) LOCATION OF WELL: SHEET # 1

County Clackamas Driller's well number _____
1/4 1/4 Section 9 T. 2S R. 3E 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 105 ft.
Static level 380 ft. below land surface. Date 4/7/76
Artesian pressure _____ lbs. per square inch. Date _____

(3) TYPE OF WELL:

Rotary Driven
Cable Jetted
Dug Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) CASING INSTALLED:

Threaded Welded
12" Diam. from 0 ft. to 610 ft. Gage 375
10" Diam. from 584 ft. to 654 ft. Gage 250
" Diam. from _____ ft. to _____ ft. Gage _____

(12) WELL LOG: Diameter of well below casing 10"
Depth drilled 720 ft. Depth of completed well 720 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
Top Soil with Gravel	0	5	
Gravel & Clay	5	51	
Gravel, Large & Boulders	51	60	
Clay & Boulders	60	105	
Gravel, Water bearing	105	120	65
Sand, Black	120	138	
Sand, Brown	138	188	
Sand, Black With Gravel	188	190	
Gravel with Black Sand W.B.	190	205	48
Clay, Gray	205	224	
Clay, Blue	224	255	
Sand, Brown, Silty	255	268	
Clay, Blue	268	325	
Clay, Brown	325	341	
Clay, Blue	341	364	
Clay, Gray	364	383	
Clay, White	383	397	
Clay, Gray	397	417	

(Continued to next sheet)

Work started 12-11- 1975 Completed 5-20- 1976

Date well drilling machine moved off of well 6-21- 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] Earl Baker Date 7-12- 1976
(Drilling Machine Operator)

Drilling Machine Operator's License No. 190

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 HAAKON BOTTNER DRILLING COMPANY
(Person, firm or corporation) (Type or print)

Address 3424 S.E. 174th PORTLAND, OREGON 97236

[Signed] Haakon Bottner
(Water Well Contractor)

Contractor's License No. 109 Date 7-12- 1976

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level Bottner

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

Flow: 300 gal./min. with 105 ft. drawdown after 6 hrs.

367 " 135 " 8 "

426 " 159 " 12 "

Baller test gal./min. with _____ ft. drawdown after _____ hrs.

Artesian flow g.p.m. _____

Temperature of water 64 Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Well seal—Material used Cement Grout

Well sealed from land surface to 90 ft.

Diameter of well bore to bottom of seal 16 in.

Diameter of well bore below seal 12 in.

Number of sacks of cement used in well seal 118 sacks

Number of sacks of bentonite used in well seal (0) sacks

Brand name of bentonite _____

Number of pounds of bentonite per 100 gallons of water _____

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.

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WATER RESOURCES DEPT SALEM, OREGON

NOTICE TO WATER WELL CONTRACTOR
The original and first copy
of this report are to be
filed with the

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

State Well No. 25/3E-9

State Permit No. _____

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

(1) OWNER: WELL NO. 6 (563-044)
Name DAMASCUS WATER DISTRICT
Address _____

(2) TYPE OF WORK (check):
New Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 12.

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

(5) CASING INSTALLED: Threaded Welded
_____ " Diam. from _____ ft. to _____ ft. Gage _____
_____ " Diam. from _____ ft. to _____ ft. Gage _____
_____ " Diam. from _____ ft. to _____ ft. Gage _____

(6) 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?
_____ 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: RECEIVED
Well seal—Material used _____
Well sealed from land surface to _____ ft.
Diameter of well bore to bottom of seal _____ in. OCT 22 2010
Diameter of well bore below seal _____ WATER RESOURCES DEPT
Number of sacks of cement used in well seal _____ SALEM, OREGON sacks
Number of sacks of bentonite used in well seal _____ sacks
Brand name of bentonite _____
Number of pounds of bentonite per 100 gallons _____ lbs./100 gals.
of water _____
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: SHEEP 2
County CLACKAMAS Driller's well number _____
_____ 1/4 Section 9 T. 29 R. 3E W.M.
Bearing and distance from section or subdivision corner _____

(11) WATER LEVEL: Completed well.
Depth at which water was first found _____ ft.
Static level _____ ft. below land surface. Date _____
Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG: Diameter of well below casing _____
Depth drilled _____ ft. Depth of completed well _____ 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
Clay, Red	417	477	
Clay, Yellow	477	490	
Clay, Brown	490	532	
Rock, Red	532	547	
Clay, Yellow	547	608	
Rock, Black	608	612	
Rock, Brown, Water Bearing	612	619	390
Sand, Black & Gravel	619	623	
Rock, Black	623	631	
Rock, Brown	631	641	
Rock, Black, Broken	641	659	
Rock, Black, Hard	659	699	
Rock, Soft, Water Brng.	699	715	
Rock, Hard	715	720	

Drilled,
12" From 0 to 654
10" " 654 " 687
8" " 687 " 720
Work started _____ 19 Completed _____ 19
Date well drilling machine moved off of well _____ 19

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] Earl Baker Date 7-12, 1976
(Drilling Machine Operator)
Drilling Machine Operator's License No. 190

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 HAAKON BOTTNER DRILLING COMPANY
(Person, firm or corporation) (Type or print)
Address 3424 S.E. 174th., PORTLAND, OR. 97236
[Signed] Haakon Bottner
(Water Well Contractor)
Contractor's License No. 109 Date 7-12-, 1976