Name Assigned Crescent Water Association

By

Address P.O. Box 123 247

Crescent, OR 97733 - 0247

Date filed October 19, 1989

Priority

Action suspended until FPD

Return to applicant

Date of approval APR 24 1995

CONSTRUCTION

Date for beginning APR 24 1996

Date for completion OCT 01 1997

Extended to

Date for application of water OCT 01 1999

Extended to

PROSECUTION OF WORK

Form "A" filed 5/14/94

Form "B" filed

Form "C" filed

FINAL PROOF

Blank mailed

Proof received

Date certificate issued 3/20/15

Application No. G11975

Permit No. G11990

Certificate No. 89904

Stream Index, Page No. 14 5.60

05.198.1450

map in Roll

FEES PAID

Date	Amount	Receipt No.
10/19/89	340.	59365
12/21/92	10.00	95253
1.29.14	85.00	111038
	Cert. Fee	

FEES REFUNDED

Date	Amount	Check No.

ASSIGNMENTS

Date	To Whom	Address	Volume	Page
1/29/2014	CRESCENT WATER SUPPLY & IMPROVEMENT DIST PO BOX 247 CRESCENT OR 97733			

REMARKS

A-Form 90 sent MAY 06 1996

118 Sent 5/20/94

PUMP TEST
3/6/2014
APPROVED

SP*70900-119

PHONE CALL

FOR WEB EXTRA DATE 3-18 TIME A.M. P.M.

M " ED " HL DEBRAND

OF AIC G-11975 =

PHONE/MOBILE 541-433 2989 FAX

MESSAGE CRESCENT WTR. ASSOC. HERB

- [x] TELEPHONED
- [ ] RETURNED YOUR CALL
- [x] PLEASE CALL
- [ ] WILL CALL AGAIN
- [ ] CAME TO SEE YOU
- [ ] WANTS TO SEE YOU

SIGNED 541 433 2989a 1154

3/23/01

COBU MAP LARGE. IN FPD'd Map area.

SB.

RECEIVED
MAY 14 1996
WATER RESOURCES DEPT
SALEM, OREGON

Form A (690—9-77) Application No. G11975

NOTICE OF BEGINNING OF CONSTRUCTION

CRESCENT WATER ASSOCIATION, the holder of Permit No. G11990

to appropriate the public waters of the state of Oregon, began the actual construction of the works described therein on the 11TH day of JUNE, 1969

Remarks: PUMP #1 OTHERS WAS STARTED; PUMP #2 5-25-1976; PUMP #3 6-1-1965

The appropriator must state the manner of beginning of construction, the amount of work completed and the type of equipment acquired for the water system up to the date of this statement, and any additional information which shows a substantial beginning of construction as authorized by your permit.

PUMP #1 has been in use since 1969; PUMP #2 has been in use since 1976 AND PUMP #3 has been in use since 1962. ALL are being use by city of Crescent

IN WITNESS WHEREOF, I have hereunto set my hand this 9 day of MAY, 1996

[signature] Its Secretary
(Signature of Applicant)

Box 247, CRESCENT, OR 97737
(Address)

Fill out, detach and mail to the Water Resources Department, Salem, OR 97310, when construction work is begun.

SP*35567-690

OK DSM

Mailing List for Certificate Scheduled Mailing Date:

Application: G-11975

Permit: G-11990

Certificate: 89904

Permit/Certificate Holder:

CRESCENT WATER SUPPLY AND IMPROVEMENT DISTRICT
PO BOX 247
CRESCENT OR 97733

Copies Mailed
by: JH (STAFF)
on: 3/20/15 (DATE)

Copies of Final Certificate to be sent to:

1. Watermaster District 11
2. Data Center (include copy of map)
3. Water Availability
4. Vault
5. File Copy

Other persons to receive copies: (include map):

Oregon
Kate Brown, Governor

Water Resources Department
725 Summer St NE, Suite A
Salem, OR 97301
(503) 986-0900
Fax (503) 986-0904

Date Mailed: March 20, 2015

NOTICE OF CERTIFICATE ISSUANCE

The attached certificate confirms the water right established under the terms of a permit issued by this Department. The water right is now appurtenant to the specific place where the use was established as described by the certificate. The water right is limited to a specific amount of water, but not more than can be beneficially used for the purposes stated within the certificate.

The certificate is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484 and ORS 536.075. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 183.484, ORS 536.075 and OAR 137-004-0080, you may petition for judicial review and petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate within three months after issuance of the certificate.

Oregon law does not allow the Director to reissue a certificate because of a change in the ownership of the appurtenant place of use. The water must be controlled and not wasted. To change the location of the point of diversion, the character of use, or the location of use requires the advance approval of the Water Resources Director.

If any portion of this water right is not used for five or more consecutive years, that portion of the right may be subject to forfeiture according to ORS 540.610. Land enrolled in a Federal Reserve Program is not subject to forfeiture during the period of enrollment. Other exceptions to forfeiture are explained in ORS 540.610.

If you have any questions please contact Gerry Clark at 503-986-0811.

STATE OF OREGON

COUNTY OF KLAMATH

CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

CRESCENT WATER SUPPLY AND IMPROVEMENT DISTRICT
PO BOX 247
CRESCENT OR 97733

confirms the right to use the waters of WELL 1, WELL 2 AND WELL 3 in the LITTLE DESCHUTES RIVER BASIN for QUASI-MUNICIPAL USES.

This right was perfected under Permit G-11990. The date of priority is OCTOBER 19, 1989. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 1.8 CUBIC FEET PER SECOND (CFS); FURTHER LIMITED TO 1.03 CFS FROM WELL 1, 0.71 CFS FROM WELL 2, AND 0.50 CFS FROM WELL 3, in any combination, or its equivalent in case of rotation, measured at the well.

The wells are located as follows:

Twp	Rng	Mer	Sec	Q-Q	GLot	Measured Distances
24 S	9 E	WM	30	SW NE		WELL 1 - 1680 FEET SOUTH AND 1260 FEET EAST FROM N1/4 CORNER, SECTION 30
24 S	9 E	WM	30	SE NE		WELL 2 - 1520 FEET SOUTH AND 1770 FEET EAST FROM N1/4 CORNER, SECTION 30
25 S	8 E	WM	1	NE NE	1	WELL 3 - 470 FEET SOUTH AND 770 FEET WEST FROM NE CORNER, SECTION 1

A description of the place of use is as follows:

Twp	Rng	Mer	Sec	Q-Q	GLot
24 S	8 E	WM	25	NW NE	
24 S	8 E	WM	25	S 1/2 NE	
24 S	8 E	WM	25	SE NW	
24 S	8 E	WM	25	SW 1/4	
24 S	8 E	WM	25	SE 1/4	
24 S	8 E	WM	36	SE NE	
24 S	8 E	WM	36	E 1/2 SW	
24 S	8 E	WM	36	SE 1/4	
24 S	9 E	WM	30	NE 1/4	
24 S	9 E	WM	30	S 1/2 NW	2
24 S	9 E	WM	30	SW 1/4	3, 4
24 S	9 E	WM	30	NW SE	
24 S	9 E	WM	31	W 1/2 NW	
25 S	8 E	WM	1	N 1/2 NE	1, 2

NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484 and ORS 536.075. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 183.484, ORS 536.075 and OAR 137-004-0080, you may petition for judicial review and petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate within three months after issuance of the certificate.

The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described; however, water may be applied to lands which are not specifically described above, provided the holder of this right complies with ORS 540.510(3).

The water user shall submit March static water level in the wells to the Groundwater/Hydrology section of the Water Resources Department by April 15 of each year. The measurement shall be made and calculations detailed by a certified water rights examiner, registered professional geologist, certified engineering geologist, or professional engineer.

Measurement, recording and reporting conditions:

A. The water user shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the water user to report general water-use information, including the place and nature of use of water under the right.

B. The water user shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

The water user shall obtain a static water-level measurement for each well during March of each year and report the measurement to the Department within thirty days. The measurement shall be made by a certified water-rights examiner, registered professional geologist, certified engineering geologist, professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board. Water levels shall be reported as depth-to-water below ground level and shall be accompanied by supporting calculations. Reports and calculations shall be provided to the Department on forms provided by the Department and shall be certified as to their accuracy by the individual making the measurements. If a well listed on this right displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The reference level for water-level declines shall be the second annual measurement taken after water use begins under the terms of this permit. The water user shall in no instance allow excessive decline to occur within the aquifer as a result of use under this permit.

Use of water from the wells shall not be allowed if the wells display an (A) average water level decline of 3 or more feet per year for 5 consecutive years, or (B) a water level decline of 15 or more feet in fewer than 5 consecutive years, or (C) a water level decline of 25 or more feet, or (D) a hydraulic interference decline of 25 or more feet in any neighboring well with senior priority which provides water for an authorized use.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this right, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The Water Resources Department has determined that the initial water level in the wells are those of the initial March report. That is the level from which the cited declines in (A), (B) and (C) above will be referenced.

The reference levels against which any future measurements will be compared for each well is as follows:
Well 1 is 321 feet below land surface.
Well 2 is 343 feet below land surface.
Well 3 is 265 feet below land surface.

The wells shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a useable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the wells at all times.

When required by the Department, the water user shall install and maintain a weir, meter, or other suitable measuring device and shall keep a complete record of the amount of ground water withdrawn.

Failure to comply with any of the provisions of this right may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the right.

This right is for the beneficial use of water without waste.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use granted herein may be made only at times when sufficient water is available to satisfy all prior rights.

Issued MAR 20 2015.

Dwight French
Water Right Services Division Administrator, for
Thomas M. Byler, Director
Oregon Water Resources Department

Oregon
John A. Kitzhaber, MD, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

DATE MAILED: NOV 14 2014

NOTICE

Reference: Application G-11975 Permit G-11990

Enclosed is a proposed certificate of water right and map. The map and proposed certificate represent the extent water was used within the terms of the permit based upon Claims of Beneficial Use, prepared by a Certified Water Right Examiner, that either you or a previous permit holder submitted.

The certificate is the final step in the water right process. The Department encourages you to review these proposals. If you do not agree with the proposed certificate, Oregon Administrative Rule 690-330-010 (2) allows the permittee or landowner 60 days from the mailing date of this notice to request the Department to reconsider the contents of the proposed certificate.

If you agree with the proposed certificate, no response to this notice is required. Sometime after comment period, the recorded certificate of water right will be mailed to the permit holder of record.

If your name is not listed on the proposed certificate, and you are the current landowner, and would like to have the final certificate issued in your name, you may apply through the Department to have the permit assigned to you. If you have any questions about the assignment process, please contact Jerry Sauter at 503-986-0817.

If you have any questions please contact Gerry Clark at 503-986-0811.

Sincerely,

Dwight French
Water Right Services Administrator

STATE OF OREGON

COUNTY OF KLAMATH

CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

CRESCENT WATER SUPPLY AND IMPROVEMENT DISTRICT
PO BOX 247
CRESCENT OR 97733

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24 S	9 E	WM	30	S 1/2 NW	2
24 S	9 E	WM	30	SW 1/4	3, 4
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PROPOSED

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89904

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PROPOSED

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By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

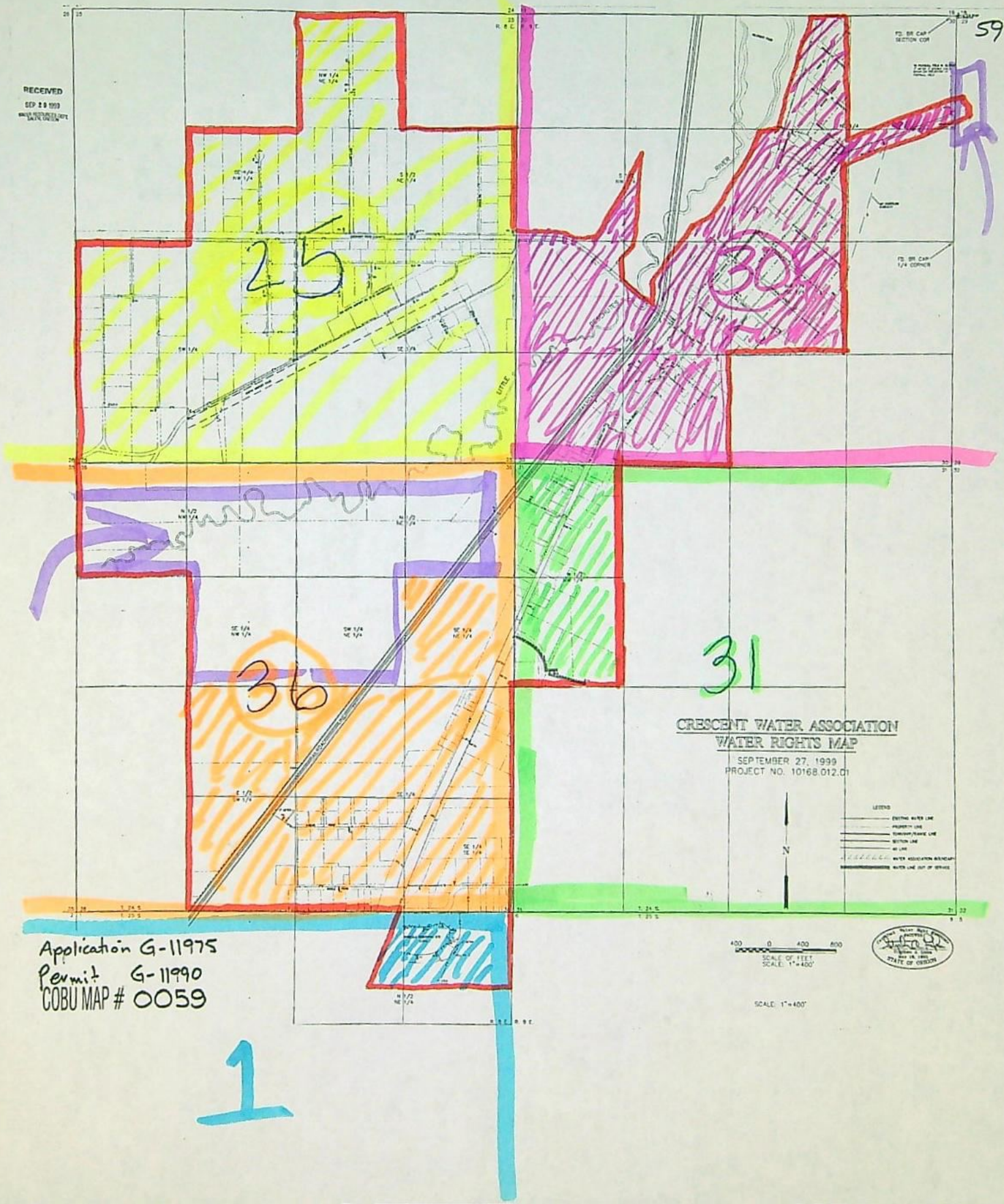
The use granted herein may be made only at times when sufficient water is available to satisfy all prior rights.

Issued _____

PROPOSED

_____

Dwight French
Water Right Services Division Administrator, for
Thomas M. Byler, Director
Oregon Water Resources Department


RECEIVED
SEP 28 1999
59
25
30
36
31
CRESCENT WATER ASSOCIATION
WATER RIGHTS MAP
SEPTEMBER 27, 1999
PROJECT NO. 10168.012.01
N
SCALE: 1"=400'
Application G-11975
Permit G-11990
COBU MAP # 0059
1

Mailing List for Certificate Scheduled Mailing Date:

Application: G-11975

Permit: G-11990

Certificate: ******

Permit/Certificate Holder:

CRESCENT WATER SUPPLY AND IMPROVEMENT DISTRICT
PO BOX 247
CRESCENT OR 97733

Copies Mailed

by: Connie Vance
(STAFF)

on: 11/17/2014
(DATE)

Copies of Final Certificate to be sent to:

1. Watermaster District 11
2. Data Center (include copy of map)
3. Water Availability
4. Vault
5. File Copy

Other persons to receive copies: (include map):

COBU MAP #59

CLARK Gerry E

From: CLARK Gerry E
Sent: Tuesday, October 28, 2014 5:08 PM
To: 'Darcy Gerhart'
Subject: RE: Crescent Water Supply water log from 1998

Darcy,

Thanks you for the information. I will pass it on to the person that is reviewing the Claim.

Gerry

Gerry Clark
Water Right Services Division
Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301

Phone: 503-986-0811

From: Darcy Gerhart [mailto:cwsid@hotmail.com]
Sent: Tuesday, October 28, 2014 8:47 AM
To: CLARK Gerry E
Subject: Crescent Water Supply water log from 1998

Gerald-
Here is the water log from 1998 from Crescent Water Supply & Improvement District that you requested from Ed Hildebrand. If you have any questions please contact me as Ed will be out of town until Monday.
Thank you,
Darcy Gerhart
Office Manger
Crescent Water Supply & Improvement District
136101 HWY 97 N. / PO BOX 247
Crescent, Or. 97733
(541)433-2989
cwsid@hotmail.com

1998

October through September
Water Use Recording and Reporting Form

1998

Use the columns below to list monthly water use amounts for each point of diversion, well, or amount of water stored in a reservoir. Report zeroes for any given month when water is not being used. Keep a copy of the report for your records & submit the information to the Department between October 1 and December 31. We encourage you to submit your water use data online when available, and to use this form for record keeping purposes. For more information call (503) 986-0824 or email: wateruse@wrd.state.or.us. To lookup water rights, report water use online, or obtain additional forms, visit our web site: www.oregon.gov/OWRD

Water Right Holder's Name	Water Right Holder's Business Name or Entity Name	USER ID#
Crescent Water Supply & Improvement		28155
Water Right Holder's Email	**Water Right Holder's Complete Mailing Address**	**Phone Number**
cwsid@hotmail.com	PO Box 247, Crescent OR 97733	541-433-2989

Well or POD name → / Report ID number →	Pump #1 Application: - Permit: - Other:	Pump #2 Application: - Permit: - Other:	Pump #3 Application: - Permit: - Other:	Total Pumped Application: - Permit: - Other:
Describe the units of measurement as **AF** (acre-feet), **G** (gallons), **KG** (thousand gallons), **MG** (million gallons), **CF** (cubic feet), or **MCF** (million cubic feet)				
January - 1998	MR-174567000 GP-772500	MR-36270700 GP-674400	MR-59938800 GP-1519300	2,966,200
February - 1998	MR-174994000 GP-427000	MR-36732000 GP-461300	MR-61226100 GP-1287300	2,175,600
March - 1998	MR-175478000 GP-982000	MR-37123100 GP-391100	MR-61952300 GP-726200	2,099,300
April - 1998	MR-175976000 GP-498000	MR-17597600 GP-705300	MR-0 METER BROKE	1,203,300
May - 1998	MR-176967000 GP-991000	MR-38985200 GP-1156800	MR-1315200 GP-1315200	3,463,000
June - 1998	MR-178265000 GP-1298000	MR-40339200 GP-1354000	MR-3948900 GP-2633700	5,285,700
July - 1998	MR-179831000 GP-1566000	MR-43776400 GP-3437200	MR-6963000 GP-3014100	8,017,300
August - 1998	MR-181209000 GP-1378000	MR-46411000 GP-2634600	MR-9805400 GP-2842400	6,855,000
September - 1998	MR-183338000 GP-2129000	MR-49505600 GP-3094600	MR-12174400 GP-2369000	7,592,600
October - 1998	MR-184155000 GP-817000	MR-50418000 GP-912400	MR-14309200 GP-2314800	4,044,200
November - 1998	MR-184542000 GP-387000	MR-50856000 GP-438000	MR-15662200 GP-1353000	2,178,000
December - 1998	MR-185602000 GP-10600000	MR-51972800 GP-1116800	MR-17561900 GP-1899700	13,616,500
TOTAL *	21,845,500	16,376,500	21,274,700	59,496,700
Unit of Measurement	☐G ☐KG ☐MG ☐AF ☐CF ☐MCF	☐G ☐KG ☐MG ☐AF ☐CF ☐MCF	☐G ☐KG ☐MG ☐AF ☐CF ☐MCF	☐G ☐KG ☐MG ☐AF ☐CF ☐MCF
Measurement Method (meter, staff gage, rate x time, etc.)				
If applicable, number of acres irrigated from this well or POD				

I certify this information is true and accurate to the best of my knowledge.

10-21-14 — Date
Signature
EO Hilderbrand Operator — Name and Title (print)
Company
Phone Number

Please complete and mail to: Oregon Water Resources Department; Water Use Reporting Program; 725 Summer Street NE, Suite A: Salem, OR 97301.

MEMO – 2014-2015 Certificate Project Proof to Satisfaction (Aug 7, 2014)

Application # G-11975	Permit # G-11990	~~Transfer #~~
WRD Reviewer J. Skaug		Date 9/17/14
WRD Peer Reviewer Kerry		Date 10-2-14

Research

X Organize file in chronological order
X Pull CBU Report & Map(s), Application Map, relevant Permit, ~~Certificate,~~ or ~~Transfer Order~~, most recent Assignments, ~~Extension Orders~~, SWL Measurements, ~~Fish Screen Certification Documents~~, Water Use Reports & Pump Tests
X Search for Water Right Location using Interactive Mapper. Identify Tax Lots & check for Area of Interest (AOI)
X Water Organization identified using AOI? X No ___ Yes
If "Yes" cc: _____ & Add to Mailing List
X Print Tax Lot Map from ormap.net for the original Place of Use, and confirm Current Ownership & Address with County Assessor
If there is a new owner, Add to Mailing List, including the owner(s) name & tax lot number
X Print Platcard & check for Place of Use Conflict? X No ___ Yes - also checked name on application and found no conflict
If "Yes", provide copy of certificate & relevant map
X Print BLM Cadastral Survey
X Does Claim Map identify correct DLC, Gov't Lots, QQ's? ___ No X Yes
If "No", either _____WRD amend map OR _____ prepare Order of Certification

Reviewing Claim

Have conditions on relevant permit, certificate, or transfer order been complied with? Yes, No, OR N/A

NO Fish Conditions
X Meter/measuring device We received one for 1998 ok to go
X Water Use Reporting 2000 - 2013
X Pump Test (post December 19, 1988) original one rejected - sent new one 1-2014
X Other Conditions Submit a Conservation management plan √done
X SWL 1996 First one
X C-Date 10-1-1999 Submitted COBU 9/1999
See calc Sheets
X Run Capacity Calculator and Print Findings (for pump, sprinklers, pipes, ditches, as appropriate)

NOTES:
Assignment: Crescent Water Supply & Improvement Dist
Po Box 247, Crescent OR 97733

Determination

___ I've determined that the permit/transfer was fully developed as authorized and that a **FINAL** Certificate should be issued.

__X__ I've determined that the permit/transfer was <u>not</u> fully developed as authorized and that a **PROPOSED** Certificate should be issued. A proposed Certificate should be issued for the following reason(s):

Removed an area of use, Put limitation on rate based on calculations? Info we were given

___ I've determined that beneficial use was NOT made within the terms and conditions and that a **Proposed Order of Certification** (denial) should be issued. A proposed Order of Certification should be issued for the following reason(s):

Processing

___ Stamp PROPOSED or Assign CERT# _____ or ORDER OF CERTIFICATION (circle one)

__X__ Draft Certificates or Proposed Order of Certifications are available in the Application directory.

__X__ Prepare Mailing List. Include Applicant(s); Receiving Landowner(s); Current Owner(s); Water Organizations; CWRE. Indicate records to be marked.

___ Record marking:

App _____	Permit _____	Cert _____
App _____	Permit _____	Cert _____
App _____	Permit _____	Cert _____
App _____	Permit _____	Cert _____

NOTES:

Entity Water Use Report

1995
start water year

EDWIN HILDEBRAND
CRESCENT WATER SUPPLY & IMPROVEMENT DISTRICT

2000
end water year

Records per page: 10

Acre-feet (AF) of Water Used

Water Year	Report ID	Facility	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total Water Used	Irrigated Acres
2000	36638	PUMP 1 (KLAM 436)	3.91	2.36	0.39	67.78	243.10	0.28	2.86	3.54	6.88	6.81	9.28	6.53	353.71	
2000	36639	PUMP 2 (KLAM 437)	5.42	2.72	0.43	2.71	3.17	1.97	0.28	4.76	11.31	248.36	87.69	7.50	376.33	
2000	36640	PUMP 3 (KLAM 458)	3.79	2.25	7.80	6.85	8.16	8.87	9.15	3.95	5.12	5.01	8.07	4.41	73.42	

- Monthly amounts indicate:
  - For diverted rights, the total amount diverted during the month;
  - For storage rights, the amount generally stored in the reservoir/pond during the month, as represented by the volume of water impounded on approximately the same day each month.
- Water Use amounts have all been converted to "acre-feet" (AF), regardless of the original measurement unit reported. One AF is the volume of water that will cover an acre of ground one foot deep = 325,850 gallons.
- Zeroes indicate that a report was received, stating that no water was used during those months; if a year is not listed, no report of water use was received for that year

Well#2 = KLAM 437
Well#3 = KLAM 458

Crescent Water Association 05-07-96
Box 247
Crescent, Oregon 97733

Water Resources Department
South Central Region
1340 NW Wall Suite 100
Bend, Oregon 97701-1939

Dear Watermaster,

Per our permit G-11990 we did the following: Appl. G-11975

Pine Ridge Pump
1368 SE Reed Market Rd
Bend, Oregon
Mr Butch Rodgers owner/operator
Checked water level in the following Wells:

	Static Water level	Well Depth
Pump # 1	321 feet	334 feet
Pump # 2	343 feet	365 feet
Pump # 3	265 feet	307 feet

We plan to switch the 40hp with 60hp in pump #2 before October 1, 1996. The 60hp we had in 1989 went bad. I will let you know when the switch is completed. We then can make final proof inspection of 1.8 cubic feet per second.

Sincerely,

David Crider

David Crider Sec/Operator

RECEIVED
MAY 16 1996
WATER RESOURCES DEPT.
SALEM, OREGON

1996
1999
2000
2001
2003
2005
2007
2009-2014

SWL measurment file dates

RECEIVED
DATE 5-13-96
WATER MASTER DISTRICT #11
BY SMS

Oregon Water Resources Department
PERMIT CONDITION WATER-LEVEL REPORTING FORM

Your water right requires periodic static water-level measurements in your wells. **Consult your permit or certificate to determine when measurements should be made, when reports are due, and who is allowed to make the measurements.** Keep a copy of all measurement reports for your records. **All wells that have been constructed must be measured regardless of whether they are being used.** Please contact the Department if you are no longer the holder of this right or no longer have an interest in it.

Application: G 11975
Permit: G 11990
Certificate:
Transfer:
POD: 1
Userid: 28155

EDWIN HILDERBRAND
CRESCENT WATER SUPPLY & IMPROVEMENT DIST
PO BOX 247
CRESCENT OR 97733-0247

RECEIVED
MAR 24 2014
OWRD

Well History, if available:

Logid	Type Work	Date	Depth
KLAM 436	NEW WELL	06/10/1967	334

Identification of Measured Well (Provide as much information as possible. Correct any errors.)

Water Resources Well Log ID:	KLAM 436	Owner's well name:	WELL 1
Well ID (Well Tag) on Well: L-		Well name on water right:	WELL 1
Well ID (Well Tag) on Well Log: L-		Well drilled by:	
Start Card # on Well Log:		Total depth:	334 Casing diameter (inches):
Date drilled:	6/10/1967	Owner on well log:	CRESCENT WATER ASSOC.

Well location on water right: In the SW quarter of the NE quarter of Section 30, Township 24.00S, Range 9.00E, 1680 FEET SOUTH & 1260 FEET EAST FROM N1/4 CORNER, SECTION 30

Water-Level Measurement

Date of measurement: 3-12-14

Measurements should be made to at least the nearest tenth of a foot (10.2'), the nearest inch (10' 3") or the nearest pound, if using a gage.

Depth to water below measuring point:	323	Airline length or transducer depth:		feet
Measuring point height above / below land surface:	2	Airline pressure:	psi x 2.31 =	feet
Depth to water below land surface:	321	Shut-in pressure:	psi x 2.31 =	feet

Measurement status: Static [✓] Pumping [ ] Rising [ ] Flowing [ ] Other [ ]
Measurement method: E-tape [✓] Airline [ ] Other [ ]
Length of time well was idle prior to measurement: 8 hrs
Measuring point description: Top of Well Casing
The measuring point is the reference point from which the measurement is made. Examples are: 1/2" access port in well cap; 1-1/2" port pipe on N side; pressure gage.

Comments: _____

When did water use begin for this well under this permit? Month 10.19 Year 1989

I hereby certify that the information on this report is accurate and represents the static water level in the well at the time of mesasurement.
Person making measurement (print): Scott L Weaver
Signature of measurer: [signature]
Company: Jensen Drilling Co.
License number (Circle license type: CWRE, RG, PE, WWC, Pump Installer): # 1806
Daytime phone number: 541-913-0265 Email address: scottw@jensendrilling.com

If you have any questions about this notice, please call the Measurement & Reporting Section of the Department at 503-986-0822 or 503-986-0843. **Return this Form to: OWRD, Meas & Rept Section, 725 Summer St. NE, Suite. A, Salem, OR 97301-1266 or email it as an attachment to reportingmmts@wrd.state.or.us.**
Additional forms can be obtained from our web sit at: http://www.wrd.state.or.us. OWRD GW/KCW 1/31/2014

Water Level Data on File at OWRD for this well (last 2 measurements only, most recent date on top) :

Date	MP Height	WL BLS	Pump Idle Time	Status	Method	Measured By	Measuring Point Description
02/19/2013	2.00	320.00	10 Hours	STATIC	ETAPE	SCOTT L WEAVER #1806	TOP OF WELL CASING
02/22/2012	2.00	321.00	8 HRS	STATIC	ETAPE	SCOTT L WEAVER #1806	TOP OF WELL CASING

Oregon Water Resources Department
PERMIT CONDITION WATER-LEVEL REPORTING FORM

Your water right requires periodic static water-level measurements in your wells. **Consult your permit or certificate to determine when measurements should be made, when reports are due, and who is allowed to make the measurements.** Keep a copy of all measurement reports for your records. **All wells that have been constructed must be measured regardless of whether they are being used.** Please contact the Department if you are no longer the holder of this right or no longer have an interest in it.

Application: G 11975
Permit: G 11990
Certificate:
Transfer:
POD: 2
Userid: 28155

Well History, if available:

Logid	Type Work	Date	Depth
KLAM 437	NEW WELL	04/27/1976	365

EDWIN HILDERBRAND
CRESCENT WATER SUPPLY & IMPROVEMENT DIST
PO BOX 247
CRESCENT OR 97733-0247

RECEIVED
MAR 24 2014
OWRD

Identification of Measured Well (Provide as much information as possible. Correct any errors.)

Water Resources Well Log ID:	KLAM 437	Owner's well name:	WELL 2
Well ID (Well Tag) on Well: L-		Well name on water right:	WELL 2
Well ID (Well Tag) on Well Log: L-		Well drilled by:	
Start Card # on Well Log:	52776	Total depth:	365 Casing diameter (inches):
Date drilled:	4/27/1976	Owner on well log:	CRESCENT WATER ASSOCIATION

Well location on water right: In the SE quarter of the NE quarter of Section 30, Township 24.00S, Range 9.00E, 1520 FEET SOUTH & 1770 FEET EAST FROM N1/4 CORNER, SECTION 30

Water-Level Measurement

Date of measurement: 3-10-14

Measurements should be made to at least the nearest tenth of a foot (10.2'), the nearest inch (10' 3") or the nearest pound, if using a gage.

Depth to water below measuring point:	344	Airline length or transducer depth:	feet
Measuring point height above / below land surface:	1	Airline pressure: psi x 2.31 =	feet
Depth to water below land surface:	343	Shut-in pressure: psi x 2.31 =	feet

Measurement status: Static [✓] Pumping [ ] Rising [ ] Flowing [ ] Other [ ]
Measurement method: E-tape [✓] Airline [ ] Other [ ]

Length of time well was idle prior to measurement: 8 hrs

Measuring point description: Top of well casing
The measuring point is the reference point from which the measurement is made. Examples are: 1/2" access port in well cap; 1-1/2" port pipe on N side; pressure gage.

Comments:

When did water use begin for this well under this permit? Month 10-14 Year 1989?

I hereby certify that the information on this report is accurate and represents the static water level in the well at the time of measurement.
Person making measurement (print): Scott L. Weaver
Signature of measurer:
Company: Jensen Drilling
License number (Circle license type: CWRE, RG, PE, WWC, Pump Installer): # 1806
Daytime phone number: 541-815-2266 Email address: scott@jensendrilling.com

If you have any questions about this notice, please call the Measurement & Reporting Section of the Department at 503-986-0822 or 503-986-0843. **Return this Form to: OWRD, Meas & Rept Section, 725 Summer St. NE, Suite. A, Salem, OR 97301-1266 or email it as an attachment to reportingmmts@wrd.state.or.us.**
Additional forms can be obtained from our web sit at: http://www.wrd.state.or.us. OWRD GW/KCW 1/31/2014

Water Level Data on File at OWRD for this well (last 2 measurements only, most recent date on top) :

Date	MP Height	WL BLS	Pump Idle Time	Status	Method	Measured By	Measuring Point Description
02/19/2013	1.00	341.00	10 Hours	STATIC	ETAPE	SCOTT L WEAVER #1806	TOP OF WELL CASING
02/22/2012	1.00	343.00	8 HOURS	STATIC	ETAPE	SCOTT L WEAVER #1806	TOP OF WELL CASING

Oregon Water Resources Department
PERMIT CONDITION WATER-LEVEL REPORTING FORM

69

Your water right requires periodic static water-level measurements in your wells. **Consult your permit or certificate to determine when measurements should be made, when reports are due, and who is allowed to make the measurements.** Keep a copy of all measurement reports for your records. **All wells that have been constructed must be measured regardless of whether they are being used.** Please contact the Department if you are no longer the holder of this right or no longer have an interest in it.

Application: G 11975
Permit: G 11990
Certificate:
Transfer:
POD: 3
Userid: 28155

EDWIN HILDERBRAND
CRESCENT WATER SUPPLY & IMPROVEMENT DIST
PO BOX 247
CRESCENT OR 97733-0247

RECEIVED
MAR 24 2014
OWRD

Well History, if available:

Logid	Type Work	Date	Depth
KLAM 458	NEW WELL	06/01/1965	285
KLAM 10261	ALTERATION	08/15/1991	280
KLAM 10536	DEEPENING	07/21/1992	296

Identification of Measured Well (Provide as much information as possible. Correct any errors.)

Water Resources Well Log ID: KLAM 458
Well ID (Well Tag) on Well: L-
Well ID (Well Tag) on Well Log: L-
Start Card # on Well Log:
Date drilled: 6/1/1965

Owner's well name: WELL 3
Well name on water right: WELL 3
Well drilled by:
Total depth: 296 Casing diameter (inches):
Owner on well log: U.S. NATIONAL FOREST

Well location on water right: In the NE quarter of the NE quarter of Section 1, Township 25.00S, Range 8.00E, 470 FEET SOUTH & 770 FEET WEST FROM NE CORNER, SECTION 1

Water-Level Measurement

Date of measurement: 3-12-14

Measurements should be made to at least the nearest tenth of a foot (10.2'), the nearest inch (10' 3") or the nearest pound, if using a gage.

Depth to water below measuring point: 268
Measuring point height above / below land surface: 2
Depth to water below land surface: 266

Airline length or transducer depth: feet
Airline pressure: psi x 2.31 = feet
Shut-in pressure: psi x 2.31 = feet

Measurement status: Static [✓] Pumping [ ] Rising [ ] Flowing [ ] Other
Measurement method: E-tape [✓] Airline [ ] Other

Length of time well was idle prior to measurement: 5 min

Measuring point description: Top of Well Casing
The measuring point is the reference point from which the measurement is made. Examples are: 1/2" access port in well cap; 1-1/2" port pipe on N side; pressure gage.

Comments:

When did water use begin for this well under this permit? Month 10-19 Year 1989

I hereby certify that the information on this report is accurate and represents the static water level in the well at the time of measurement.
Person making measurement (print): Scott L. Weaver
Signature of measurer:
Company: Jansen Drilling Co.
License number (Circle license type: CWRE, RG, PE, (WWC) Pump Installer): # 1826
Daytime phone number: 541-923-0265 Email address: scott@jansendrilling.com

If you have any questions about this notice, please call the Measurement & Reporting Section of the Department at 503-986-0822 or 503-986-0843. **Return this Form to: OWRD, Meas & Rept Section, 725 Summer St. NE, Suite. A, Salem, OR 97301-1266 or email it as an attachment to reportingmmts@wrd.state.or.us.**
Additional forms can be obtained from our web sit at: http://www.wrd.state.or.us. OWRD GW/KCW 1/31/2014

Water Level Data on File at OWRD for this well (last 2 measurements only, most recent date on top) :

Date	MP Height	WL BLS	Pump Idle Time	Status	Method	Measured By	Measuring Point Description
02/19/2013	2.00	266.00	9 Hours	STATIC	ETAPE	SCOTT L WEAVER	TOP OF WELL CASING
02/22/2012	2.00	266.00	5 MIN	STATIC	ETAPE	SCOTT L WEAVER	TOP OF WELL CASING

app: G-11975

USER-ID 28155

Oregon Water Resources Department
October 1999 through September 2000
Annual Water Use - Monthly Quantities Form

Facility ☞ POD-ID ✏	Pump # 1 36638 QM	Pump # 2 36639 QM	Pump # 3 36540 QM		
October - 1999	1275000 G	1766000 G	1235500 G		
November - 1999	768000 G	987800 G	732900 G		
December - 1999	126000 G	140900 G	2540500 G		
January - 2000	22085100 G	884000 G	2233100 G		
February - 2000	79213900 G	1031900 G	2657400 G		
March - 2000	90000 G	643400 G	2889300 G		
April - 2000	931000 G	92800 G	2981500 G		
May - 2000	1153000 G	1550700 G	1286500 G		
June - 2000	2241000 G	3685100 G	1666800 G		
July - 2000	2219000 G	80927500 G	1633800 G		
August - 2000	3025000 G	28573100 G	2630400 G		
September - 2000	2128000 G	2444400 G	1436200 G		
TOTAL *	115255000 G	122627600 G	23923900 G		

RECEIVED
NOV 29 2000
WATER RESOURCES DEPT
SALEM OREGON

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: Flow Meters. If use is irrigation, total number acres irrigated _____

I certify this information is true and accurate to the best of my knowledge.

David G. Crider — Signature
Operator — Title
Crescent Water Association — Reporting Entity
11/27/2000 — Date

David G. Crider
Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;
158 12th Street NE; Salem, OR 97310-0210

MEMORANDUM

TO: IVAN GALL, MANAGER, GROUND WATER SECTION

FROM: CERTIFICATE SECTION - CONNIE VANCE

SUBJECT: PUMP TEST FOR PERMIT G-11990 APPLICATION G-11975

DATE: 2/3/2014

The attached pump test was recently received. We have retained the original for the application file.

S:\groups\wr\certs\Resource Center\pump test memo normal.doc

Oregon Water Resources Department

PUMP TEST FORM COVER SHEET

Well Owner:
Name: Crescent Water Supply & Imp. Dist.
Address: PO Box 747 - 136107 Hwy 97
County: Klamath
City: Crescent State: OR Zip: 97733
Original owner (from well log): Crescent Water Association

Well Location:
Township: 24 S Range: 9 E
Section: 36 ¼: NE ¹/₁₆ NE ¹/₆₄: NE
Well depth: 365 Date drilled: 4-27-1976
Owners well no. (if any): _____
POD ID: _____

Water Right Information:
Application: G11975 Permit: G11990 Certificate: _____
Is this well listed on more than one water right? ☐Yes If yes, list additional water rights below:
Application: _____ Permit: _____ Certificate: _____
Application: _____ Permit: _____ Certificate: _____

Pump Test:
Test Conducted by: Edwin C. Hildebrand
Company: Crescent Water Supply & Imp. Dist.
Address: 136107 Hwy 97 N.
City: Crescent State: OR Zip: 97733
Daytime phone: 541-433-2989
Well Owner? ☐Yes Operator D-08307 D.R.C.
Date of Test: 1-17-14

Method of discharge measurement (see our brochure for more information): Flow meter
Method of water-level measurement (pick one or enter other method used): Choose or enter method
Length of air line (if used): _____ Electric water level measuring tape

Pump type (pick one or enter other method used): Choose one or enter alternative
Was the pump test conducted during normal use of the well? ☐Yes Note: No

Are you aware of any wells, other than domestic or stock wells, pumping within 1000 feet of the tested well during the test or within 24 hours prior to the test? ☐Yes Note: No
If yes, give approximate distances to each and approximate pumping rate of each. If possible, indicate if they were turned on or off during the test: _____

Is there a lake, stream or other surface water body within ¼ mile of the tested well? ☐Yes If yes, give approximate distance from the well and approximate elevation difference between the surface water and the well head. Approx. distance: No ft Approx. elevation difference: _____ ft

Well elevation is below surface water body.

Description of measuring point (e.g. top port of 1 inch port pipe, west side) top of Well Head

Measuring point distance below land surface 3.44 feet.

Static water level measurements: (A minimum of three measurements are required in the hour before pumping begins at no less than 20 minutes apart):

Time	Depth to water below meas. point	Depth to water below land surface
8:49 AM	346	343
9:10 AM	346	343
9:30 AM	346	343

Discharge measurements: (A discharge measurement is required at the start of pumping and at least once an hour during the test; additional measurements should be noted on the Pump Test Data Sheet):

Time	Discharge Rate	Discharge Units (e.g. gpm, cfs, etc)
9:51	230	gpm (gallons per minute) 230
9:53	230	gpm (gallons per minute) 230
9:55	230	gpm (gallons per minute) 230
9:57	230	gpm (gallons per minute) 230
9:59	230	gpm (gallons per minute) 230

Time pump turned on: Date 1-17-14 Time 9:51 AM
Time pump turned off: Date 1-18-14 Time A.M.
Total pumping time: 24 hours _____ minutes

Note: Well must be idle for at least 16 hours prior to the test.
Additional forms can be obtained from our web site at: http://www.wrd.state.or.us OWRD 2/9/2000

Required Signature: Edwin C. Hildebrand Operator & D.R.C.

Oregon Water Resources Department

PUMP TEST DATA SHEET

Page _____ of _____

Application: G11975 Permit: G11990 Certificate: _____ Pod_Id: _____

All water-level measurements must either be in feet and inches, or feet and decimal fractions.

Drawdown Data

Date	Time	Time Since Pump Started (minutes)	Depth to Water Below Measuring Pt	Depth to Water Below Land Surface	Comments
1-17-14	8:49A			343	PRIOR TO
1-17-14	9:00A			343	Turn on
1-17-14	9:30A			343	DL
1-17-14	9:51A	2	346	343	
1-17-14	9:53A	4	346	343	
1-17-14	9:55A	6	346	343	
1-17-14	9:57A	8	346	343	
1-17-14	9:57A	10	346	343	
1-17-14	10:04A	15	346	343	
1-17-14	10:09A	20	346	343	
1-17-14	10:14A	25	346	343	
1-17-14	10:19A	30	346	343	
1-17-14	10:34A	45	346	343	
1-17-14	10:49A	60	346	343	
1-17-14	11:04A	75	346	343	
1-17-14	11:19A	90	346	343	
1-17-14	11:34A	105	346	343	
1-17-14	11:49A	220	346	343	
1-17-14	12:04P	235	346	343	
1-17-14	12:19P	250	346	343	
1-17-14	12:34P	265	346	343	
1-17-14	12:46P	280	346	343	
1-17-14	1:04P	295	346	343	
1-17-14	1:19P	310	346	343	
1-17-14	1:34P	325	346	343	
1-17-14	1:49P	340	346	343	

Recovery Data

Date	Time	Time Since Pump Stopped (minutes)	Depth to Water Below Measuring Pt	Depth to Water Below Land Surface	Comments
1-17-14	1:51P	2	346	343	
1-17-14	1:53P	4	346	343	
1-17-14	1:55P	6	346	343	
1-17-14	1:57P	8	346	343	
1-17-14	1:59P	10	346	343	
1-17-14	2:04P	15	346	343	
1-17-14	2:09P	20	346	343	
1-17-14	2:14P	25	346	343	
1-17-14	2:19P	30	346	343	
1-17-14	2:34P	45	346	343	
1-17-14	2:49P	60	346	343	
1-17-14	3:04P	75	346	343	
1-17-14	3:19P	90	346	343	
1-17-14	3:34P	105	346	343	
1-17-14	3:49P	220	346	343	
1-17-14	4:04P	235	346	343	
1-17-14	4:19P	250	346	343	
1-17-14					

Additional forms can be obtained from our web site at: http://www.wrd.state.or.us

OWRD 2/9/2000

STATE OF OREGON

WATER RESOURCES DEPARTMENT

RECEIPT # 111038

725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172
(503) 986-0900 / (503) 986-0904 (fax)

INVOICE # _____

RECEIVED FROM: Crescent Water Supply + Improvement district

BY:

APPLICATION	G-11975
PERMIT	
TRANSFER	

CASH: ☐ CHECK:# ☒ 4184 OTHER: (IDENTIFY) ☐ _____

TOTAL REC'D $ 85.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407	COPIES	$
_____	OTHER: (IDENTIFY) _____	$

0243 I/S Lease _____ 0244 Muni Water Mgmt. Plan _____ 0245 Cons. Water _____

4270 WRD OPERATING ACCT

46111

MISCELLANEOUS

0407	COPY & TAPE FEES	$
0410	RESEARCH FEES	$
0408	MISC REVENUE: (IDENTIFY) ~~Assignment~~	$ 85.00
TC162	DEPOSIT LIAB. (IDENTIFY) _____	$
0240	EXTENSION OF TIME	$

	WATER RIGHTS:	EXAM FEE		RECORD FEE
0201	SURFACE WATER	$	0202	$
0203	GROUND WATER	$	0204	$
0205	TRANSFER	$		

	WELL CONSTRUCTION	EXAM FEE		LICENSE FEE
0218	WELL DRILL CONSTRUCTOR	$	0219	$
	LANDOWNER'S PERMIT		0220	$

_____ OTHER (IDENTIFY) _____

0536 TREASURY 0437 WELL CONST. START FEE

0211	WELL CONST START FEE	$	CARD #	
0210	MONITORING WELLS	$	CARD #	

_____ OTHER (IDENTIFY) _____

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233	POWER LICENSE FEE (FW/WRD)		$
0231	HYDRO LICENSE FEE (FW/WRD)		$
_____	HYDRO APPLICATION		$

_____ TREASURY OTHER / RDX

FUND _____ TITLE _____

OBJ. CODE _____ VENDOR # _____

DESCRIPTION _____ $

RECEIPT: 111038 DATED: 1-29-14 BY: MyChatt

Distribution – White Copy - Customer, Yellow Copy - Fiscal, Blue Copy - File, Buff Copy - Fiscal

CHECKING - Washin Name Change

85.00

CRESCENT WATER SUPPLY AND IMPROVEMENT DISTRICT

4184

Oregon Water Resources Dept

Date	Type	Reference	Original Amt.	Balance Due	1/10/2014 Discount	Payment
1/16/2014	Bill	G11975	85.00	85.00		85.00
				Check Amount		85.00

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

Request for Assignment

If for multiple rights, a separate form and fee for each right will be required.

I, Crescent Water Association
(Name of Applicant / Permit / Transfer Holder / License Holder/GR Certificate of Registration)

P.O. Box 247 Crescend OR 97733 541-433-298
(Mailing Address) (City) (State) (Zip) (Phone #)

[✓] hereby assign *all my interest* in and to application/permit/transfer/license/GR Certificate of Registration;

☐ hereby assign *all my interest* in and to a portion of application/permit/transfer/license/GR Certificate of Registration; *(You must include a map showing the portion of the application/permit/transfer/license/GR Certificate of Registration to be assigned.)*

☐ hereby assign *a portion of my interest* in and to the *entire* application/permit/transfer/license/GR Certificate of Registration:

Application # G11975; Permit # G11990; Transfer # ______
-OR-
License # ______; GR Statement # ______; GR Certificate of Registration # ______

As filed in the office of the Water Resources Director, to:

Crescent Water Supply + Improvement Dist.
(Name of New Owner)

P.O. Box 247 Crescent OR 97733
(Mailing Address) (City) (State) (Zip) (Phone #)

Note: If there are other owners of the property described in the Application, Permit, Transfer, License, or GR Certificate of Registration, *you must provide a list of all other owners' names and mailing addresses and attach it to this form.*

I hereby certify that I have notified all other owners of the property described in this Application, Permit, Transfer, License, or GR Certificate of Registration of this Request for Assignment

Witness my hand ~~this~~ 10th ~~day of~~ Jan 2014

~~Applicant/Permit Holder~~ [illegible]

Applicant/Permit Holder Water Operator

D-0830

ASS/GW JS 1/10/2014

DO NOT WRITE IN THIS BOX

This certifies assignment and record change at Oregon Water Resources Department effective 8:00 a.m. on date of receipt at Salem, Oregon.
Fee receipt # 111038
For Director by Jerry Sauter, Program Analyst in Water Rights Division [illegible]

The completed "Request for Assignment" form *must* be submitted to the Department along with the recording fee of $85.

RECEIVED BY OWRD
JAN 17 2014
SALEM, OR
WR

RECEIVED BY OWRD
JAN 29 2014
SALEM, OR

Pump Capacity Calculator
using Department designed formula:

Well #1

(hp)(efficiency) / (lift + psi head) = capacity in cfs

Efficiency:

Centrifugal = 6.61
Turbine = 7.04

Data Entry (fill in underlined blanks)

HP =	60
Efficiency =	7.04
Lift =	409
PSI =	

Results Calculated

(hp)(efficiency) =	422.4
Head based on psi =	0.0
Total dynamic head = (head + lift)	409.0

Pump Capacity = 1.033 cubic feet per second limited to

* worked these numbers out w/ Gerry's help *

Well #2

Pump Capacity Calculator

using Department designed formula:

(hp)(efficiency) / (lift + psi head) = capacity in cfs

Efficiency:

Centrifugal = 6.61
Turbine = 7.04

Data Entry (fill in underlined blanks)

HP =	40
Efficiency =	7.04
Lift =	395
PSI =	

Results Calculated

(hp)(efficiency) =	281.6
Head based on psi =	0.0
Total dynamic head = (head + lift)	395.0

Pump Capacity = 0.713 cubic feet per second limited to

Worked these numbers out w/Gerry's help

Well #3

Pump Capacity Calculator

using Department designed formula:

(hp)(efficiency) / (lift + psi head) = capacity in cfs

Efficiency:

Centrifugal = 6.61
Turbine = 7.04

Data Entry (fill in underlined blanks)

HP =	30
Efficiency =	7.04
Lift =	415
PSI =	

Results Calculated

(hp)(efficiency) =	211.2
Head based on psi =	0.0
Total dynamic head = (head + lift)	415.0

Pump Capacity = 0.509 cubic feet per second

Worked these numbers out w/Gerry's help

Claim of Beneficial Use
Permit No. G-11990

INFORMATION:

Applicant: **Crescent Water Association**
Attn: David Crider, Operator/Secretary
Address: P.O. Box 247
Crescent, Oregon 97733
Phone: (541) 433-2989

There are no variations from the application for this permit, other than the service area for this quasi-municipal water purveyor. The corrected place of use is as shown on the accompanying Final Proof Survey Map, and is as follows, where strike-through text denotes areas deleted from the original permit, and bold, italic text denotes areas added:

NW 1/4 NE 1/4
S ½ NE 1/4
SE 1/4 NW 1/4
SW 1/4
SE 1/4
SECTION 25
TOWNSHIP 24 SOUTH, RANGE 8 EAST, W.M.

SE 1/4 NE 1/4
N ½ NE 1/4
SW 1/4 NE 1/4
N ½ NW 1/4
SE 1/4 NW 1/4
E ½ SW 1/4
SE 1/4
SECTION 36
TOWNSHIP 24 SOUTH, RANGE 8 EAST, W.M.

added will not add to Cert per GC

NE 1/4
S ½ NW 1/4
SW 1/4
NW 1/4 SE 1/4
SECTION 30

W ½ NW 1/4
SECTION 31
TOWNSHIP 24 SOUTH, RANGE 9 EAST, W.M.

N ½ NE 1/4
~~NE 1/4 NW 1/4~~ removed / will remove per GC
SECTION 1
TOWNSHIP 25 SOUTH, RANGE 8 EAST, W.M.

SOURCES:

The current source of water used is the permanent ground water aquifer underlying the subject property, within the Little Deschutes River Basin. Water is appropriated from three wells described as follows:

Well #1:

IN THE SW1/4 NE1/4, SECTION 30, T. 24 S., R. 9 E., W.M. - 1680 FEET SOUTH AND 1260 FEET EAST FROM N1/4 CORNER OF SECTION 30.

Well#2:

IN THE SE 1/4 NE1/4, SECTION 30, T. 24 S., R. 9 E., W.M. - 1520 FEET SOUTH AND 1770 FEET WEST FROM N1/4 CORNER OF SECTION 30.

Well #3:

IN THE NE 1/4 NE 1/4, SECTION 1, T. 25 S., R. 8 E., W.M. - 470 FET SOUTH AND 770 FET WEST FROM THE NE CORNER OF SECTION 1.

DIVERSION POINTS:

The diversion points for this permit are the three(3) wells described above. Water from the three wells is pumped to an above ground water tank for system storage.
The static water levels in the respective wells was last measured this year in March, and were as follows on that date:

Well#1:
The static water level was approximately 319 feet below the land surface.
There was no pump test performed during this site visit, but during previous pump tests there has been no significant drawdown from the static level during pumping (2 feet or less). The original

pump test on this well had no drawdown after 24 hours.
The depth of the well is 334 feet. Drilling for the well was completed in June, 1967 by Mathers & Son (Contractor's License No. 262). The approximate ground elevation at the well head is 4520'.
There is an 10" diameter, 250 Gage, welded steel casing installed from 1' above ground to 110' below ground surface.
The well has an access port and airline. The water level at the time of inspection was not determined.

The well motor for Well # 1 is a Franklin Electric, 60 H.P., Model 2366196, 460 Volt, 80.5 Amp, 60 Hz, 3 phase, 3450 RPM.

The pump for Well#1 is a J-Line 8KS, 6-stage, vertical turbine pump, 6" intake and discharge, approximate well head elevation is 4520 feet.

There is a 6" inline water meter on the discharge of this well.

Well#2:
The static water level was approximately 335 feet below the land surface.
There was no pump test performed during this site visit, but during previous pump tests there has been no significant drawdown from the static level during pumping (2 feet or less). The original pump test on this well had no drawdown after 24 hours.
The depth of the well is 365 feet. Drilling for the well was completed in April, 1976 by Carter's Drilling and Pump Service (Contractor's License No. 126). The approximate ground elevation at the well head is 4550'.
There is an 12" diameter, 250 Gage, welded steel casing installed from 1' above ground to 113' below ground surface. There is an 10" diameter, .250 Gage, welded steel casing installed from ground level to 202' below ground surface.
The well has an access port and airline. The water level at the time of inspection was not determined.

The well motor for Well # 2 is a Pleuger Type V8-40, 40 H.P., Model 1840036901, 460 Volt, unknown Amp, 60 Hz, 3 phase, 3450 RPM.

The pump for Well#2 is a Jacuzzi,18-stage, submersible vertical turbine pump, 6" intake and discharge, approximate well head elevation is 4550 feet.

There is a 4" inline water meter on the discharge of this well.

Well#3:
The static water level was approximately 262 feet below the land surface.

There was no pump test performed during this site visit, but during previous pump tests there has been no significant drawdown from the static level during pumping (2 feet or less). The original pump test on this well had 0.5 foot drawdown after 8 hours.
The well was originally drilled to a depth of 280 feet. The well was re-drilled in August, 1992 to its present depth of 307 feet by Mike Prodan, (WWC Number 62). The original drilling for the well was completed in June, 1965 by Gordon Goeres (sp?) (Contractor's License No. 305) for the U.S. Forest Service. The approximate ground elevation at the well head is 4457'.
There is an 12" diameter, 250 Gage, welded steel casing installed from 1' above ground to 138' below ground surface. There is an 8" diameter, .250 Gage, welded steel casing installed from ground elevation to 250' below grade. There is a 6" diameter, .160 Gage liner installed from 236' to 296' below grade. The liner is perforated from 266' to 296' below grade.
The well has an access port and airline. The water level at the time of inspection was not determined.

The well motor for Well # 3 is a Franklin Electric variable speed drive, 30 H.P., Model 2366166010, 460 Volt, 39.5-47 Amp, 60 Hz, 3 phase, 3450/2875 RPM.

The pump for Well#3 is a Flint & Walling,9-stage, vertical turbine pump, 6" intake and discharge, approximate well head elevation is 4457 feet.

There is a 4" inline water meter on the discharge of this well.

STORAGE:

A welded steel tank is used for storage of water. The tank is located as shown on the accompanying final survey map. The tank has a maximum surface elevation of approximately 4644' and a bottom elevation of approximately 4610 feet. The storage capacity of the tank is 250,000 gallons or 33,420 cu.ft. or 0.767 ac.-ft. The storage is all above existing surrounding surface grade.

PIPE:

Piping for the water association is all underground pipe installed in accordance with the requirements of the State of Oregon Health Division for public water systems.

USES:

The water from this quasi-municipal water association is used for typical domestic, commercial and industrial uses. There are presently 307 metered connections on the system. An exact number of persons utilizing the water is not know, but based on typical household sizes we estimate the number of persons at 900 to 1100. The most current complete year record of water pumping, in 1998, was just over 50,000,000 gallons.

LIFT:

Well #3 is near the lowest portion of the property. Elevations vary from 4457' near this lowest

well to 4644 at the top of the water tank. So the maximum lift from this lowest well head would be 187 feet.

CALCULATIONS:

Calculations for the water system were not performed for the purposes of this water rights Site Report. Century West Engineering is the engineer of record for the Water Association and has modeled the entire system for compliance with plumbing codes, state health division rules, and fire flow requirements.

SURVEY TIE:

Two government sectional corners were found for this project. The NE corner of Section 30 was found, a 3" Aluminum Cap, and was used as the survey tie for the well on this property. The East 1/4 corner of this section, also an aluminum cap, was also found.

SPECIAL CONDITIONS:

The wells and system were constructed in accordance with requirements of the permit. Water use is metered. The rate of use has not exceeded 1.8 cubic feet per second or its equivalent in case of rotation. Static water levels in the wells have been reported to the Water Resources each year as required. Groundwater elevations have not declined during the measuring period of this permit.

REMARKS:

None.

Certification Statements:

The final proof survey and inspection of the use as found to be completed under the terms and conditions of permit G-11990 was completed by me on September 17, 1999, and the facts contained in this report and accompanying final proof map are correct to the best of my knowledge.

Certified Water Right Examiner
#405WRE
Stephen A. Liska
May 16, 1995
STATE OF OREGON

I, Dave Crider, an Agent acting on behalf of Crescent Water Association, agree to the findings of the Certified Water Rights Examiner and do submit this site report and map as its Claim of Beneficial Use of the water as provided under the terms and conditions of Permit G-11990.

David L. Crider Sec — 9-23-1999

Signature — Date

RECEIVED
SEP 29 1999
WATER RESOURCES DEPT.
SALEM, OREGON

Business Name Search

New Search Printer Friendly

Business Entity Data

09-17-2014
10:41

Registry Nbr	Entity Type	Entity Status	Jurisdiction	Registry Date	Next Renewal Date	Renewal Due?
653248-90	DDINP	INA	OREGON	01-25-2010		
Entity Name	CRESCENT WATER SUPPLY AND IMPROVEMENT DISTRICT					
Foreign Name						

New Search Printer Friendly

Associated Names

Type	PPB	PRINCIPAL PLACE OF BUSINESS				
Addr 1	136101 HIGHWAY 97 N					
Addr 2						
CSZ	CRESCENT	OR	97733		Country	UNITED STATES OF AMERICA

Please click here for general information about registered agents and service of process.

Type	AGT	REGISTERED AGENT			Start Date	01-25-2010	Resign Date	
Name	KAREN			ISHIDA-PONCIL				
Addr 1	136101 HIGHWAY 97 N							
Addr 2								
CSZ	CRESCENT	OR	97733		Country	UNITED STATES OF AMERICA		

Type	MAL	MAILING ADDRESS				
Addr 1	PO BOX 247					
Addr 2						
CSZ	CRESCENT	OR	97733		Country	UNITED STATES OF AMERICA

Type	PRE	PRESIDENT					Resign Date	
Name	MICHAEL			CARLSON				
Addr 1	PO BOX 247							
Addr 2								
CSZ	CRESCENT	OR	97733		Country	UNITED STATES OF AMERICA		

Type	SEC	SECRETARY			Resign Date	
Name	KAREN		ISHIDA-PONCIL			
Addr 1	PO BOX 247					
Addr 2						
CSZ	CRESCENT	OR	97733	Country	UNITED STATES OF AMERICA	

New Search Printer Friendly

Name History

Business Entity Name	Name Type	Name Status	Start Date	End Date
CRESCENT WATER SUPPLY AND IMPROVEMENT DISTRICT	EN	CUR	01-25-2010	

Please read before ordering Copies.

New Search Printer Friendly

Summary History

Image Available	Action	Transaction Date	Effective Date	Status	Name/Agent Change	Dissolved By
	ADMINISTRATIVE DISSOLUTION	03-28-2014		SYS		
	NOTICE LATE ANNUAL	01-31-2014		SYS		
	AMENDED ANNUAL REPORT	12-13-2012		FI		
	AMENDED ANNUAL REPORT	12-15-2011		FI		
	AMENDED ANNUAL REPORT	12-22-2010		FI		
	ARTICLES OF INCORPORATION	01-25-2010		FI	Agent	

For comments or suggestions regarding the operation of this site, please contact : corporation.division@state.or.us

Water Rights Platcard Report

Meridian: Willamette | Township: 24 South | Range: 8 East | Section: 25 | Records per Page: 999 | Search

Platcards Maps! Learn about * View Map

	Water Right	Changing Xfers	Priority	Use	Use Status	DLC	Gov't Lot	QQ(40): / Q(160): NE NE	NW NE	SW NE	SE NE	NE NW	NW NW	SW NW	SE NW	NE SW	NW SW	SW SW	SE SW	NE SE	NW SE	SW SE	SE SE	Unkown QQ
Select	**Permit: G 11990 ***		10/19/1989	QUASI-MUNICIPAL USES					*	*	*				*	*	*	*	*	*	*	*	*	
	Additional Info: CRESCENT WATER SUPPLY AND IMPROVEMENT DISTRICT App: G11975 Permit: G11990			working file																				

Acreage Legend: 12.25 Regular acreage | ~~12.25~~ Acreage is on a canceled right | (12.25) Acreage is part of a transfer and has not been proven up on yet (inchoate) | [12.25] Acreage has been suspended | * Acreage is not specified

Checked name of application for anyother conflicts : found none.

Water Rights Platcard Report

Meridian: Willamette | Township: 24 South | Range: 8 East | Section: 36 | Records per Page: 999 | Search

Platcards Maps! Learn about * View Map

	Water Right	Changing Xfers	Priority	Use	Use Status	Dt C	Gov't Lot	QQ(40): NE NE	NW NE	SW NE	SE NE	NE NW	NW NW	SW NW	SE NW	NE SW	NW SW	SW SW	SE SW	NE SE	NW SE	SW SE	SE SE	Unknown QQ
Select	App: P 74667 *		9/26/1994	LIVESTOCK																				*
	Additional Info: DOUGLAS E STUMBAUGH App: P74667																							
Select	Permit: G 11990 *		10/19/1989	QUASI-MUNICIPAL USES							*					*			*	*	*	*	*	
	Additional Info: CRESCENT WATER SUPPLY AND IMPROVEMENT DISTRICT App: G11975 Permit: G11990																							

working file

Acreage Legend: 12.25 Regular acreage; ~~12.25~~ Acreage is on a canceled right; (12.25) Acreage is part of a transfer and has not been proven up on yet (inchoate); [12.25] Acreage has been suspended; * Acreage is not specified

Water Rights Platcard Report

Meridian: Willamette | Township: 24 South | Range: 9 East | Section: 30 | Records per Page: 999 | Search

Platcards Maps! Learn about * View Map

	Water Right	Changing Xfers	Priority	Use	Use Status	DLC	Gov't Lot	QQ(40): / Q(160):	NE NE	NW NE	SW NE	SE NE	NE NW	NW NW	SW NW	SE NW	NE SW	NW SW	SW SW	SE SW	NE SE	NW SE	SW SE	SE SE	Unkown QQ
Select	**Cert:12239 OR *** Additional Info: GILCHRIST TIMBER CO. App: S12972 Permit: S9240 Cert: 12239		9/4/1929	INDUSTRIAL/MANUFACTURING USES						*	*		*			*									
Select	**App: P 78371 *** Additional Info: DOUGLAS THACKERY App: P78371		12/23/1994	LIVESTOCK							*					*									
Select	**Permit: G 11990 *** Additional Info: CRESCENT WATER SUPPLY AND IMPROVEMENT DISTRICT App: G11975 Permit: G11990		10/19/1989	QUASI-MUNICIPAL USES					*	*	*	*			*	*	*	*	*	*		*			
Select	**App: RW 74016 *** Additional Info: EARL E KESSLER App: RW74016		4/11/1994	ROAD CONSTRUCTION																					*

Working file

Acreage Legend: 12.25 Regular acreage; ~~12.25~~ Acreage is on a canceled right; (12.25) Acreage is part of a transfer and has not been proven up on yet (inchoate); [12.25] Acreage has been suspended; * Acreage is not specified

Water Rights Platcard Report

Meridian: Willamette | Township: 24 South | Range: 9 East | Section: 31 | Records per Page: 999 | Search

Platcards Maps! Learn about * View Map

	Water Right	Changing Xfers	Priority	Use	Use Status	DLC	Gov't Lot	QQ(40): NE NE	NW NE	SW NE	SE NE	NE NW	NW NW	SW NW	SE NW	NE SW	NW SW	SW SW	SE SW	NE SE	NW SE	SW SE	SE SE	Unkown QQ
Select	**Cert:12239 OR ***		9/4/1929	INDUSTRIAL/MANUFACTURING USES					*	*		*			*									
	Additional Info: GILCHRIST TIMBER CO. App: S12972 Permit: S9240 Cert: 12239			NC																				
Select	**App: P 78371 ***		12/23/1994	LIVESTOCK						*					*									
	Additional Info: DOUGLAS THACKERY App: P78371			NC																				
Select	**Permit: G 11990 ***		10/19/1989	QUASI-MUNICIPAL USES				*	*	*	*			*	*	*	*	*	*		*			
	Additional Info: CRESCENT WATER SUPPLY AND IMPROVEMENT DISTRICT App: G11975 Permit: G11990			working file																				
Select	**App: RW 74016 ***		4/11/1994	ROAD CONSTRUCTION																				*
	Additional Info: EARL E KESSLER App: RW74016																							

Acreage Legend: 12.25 Regular acreage | ~~12.25~~ Acreage is on a canceled right | (12.25) Acreage is part of a transfer and has not been proven up on yet (inchoate) | [12.25] Acreage has been suspended | * Acreage is not specified

Water Rights Platcard Report

Meridian: Willamette | Township: 25 South | Range: 8 East | Section: 1 | Records per Page: 999 | Search

Platcards Maps! Learn about * View Map

Water Right	Changing Xfers	Priority	Use	Use Status	DLC	Gov't Lot	QQ(40): NE NE	NW NE	SW NE	SE NE	NE NW	NW NW	SW NW	SE NW	NE SW	NW SW	SW SW	SE SW	NE SE	NW SE	SW SE	SE SE	Unkown QQ
Select **Permit: G 11990 ***		10/19/1989	QUASI-MUNICIPAL USES				*	*			*												
Additional Info: CRESCENT WATER SUPPLY AND IMPROVEMENT DISTRICT App: G11975 Permit: G11990																							

working file

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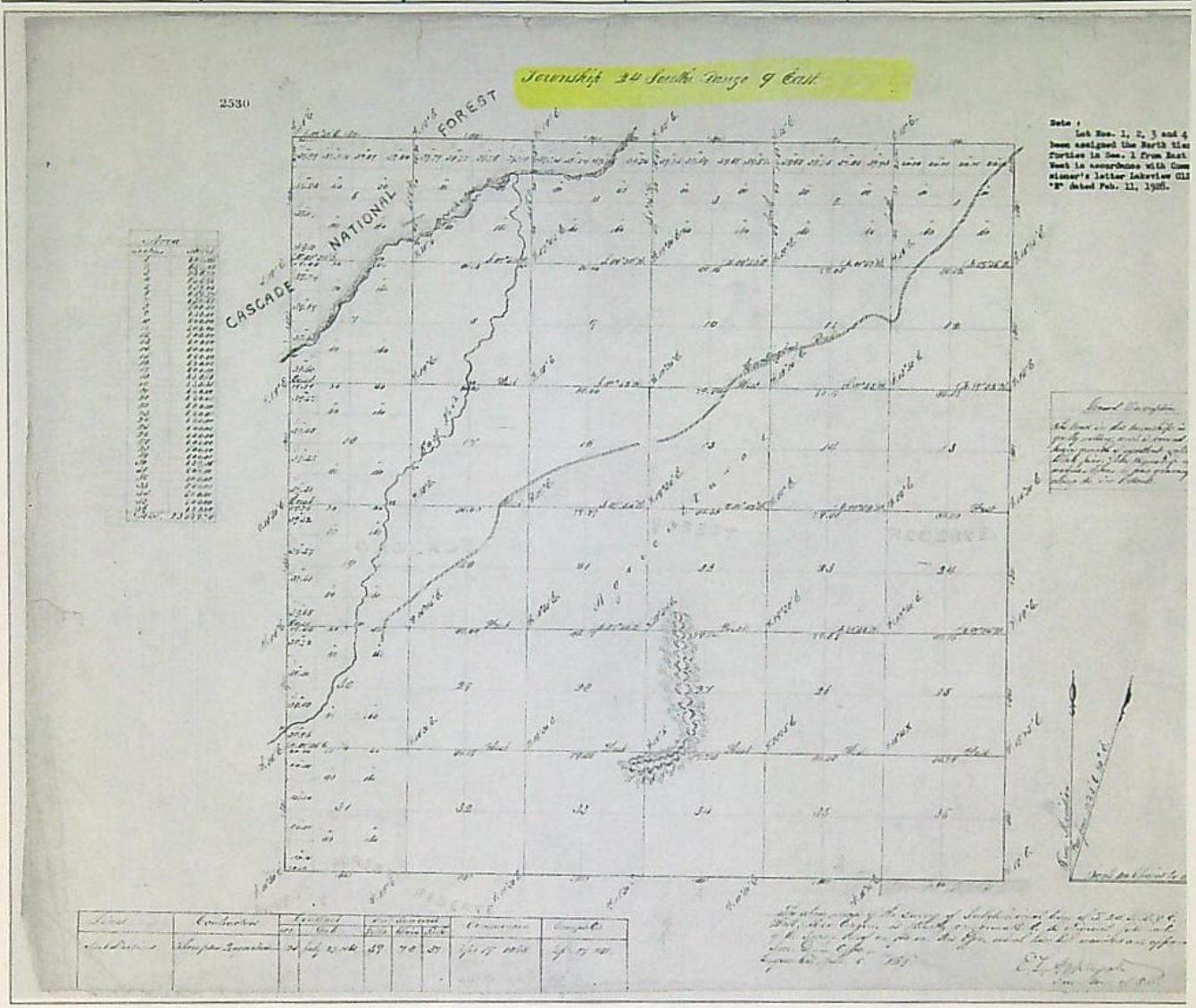
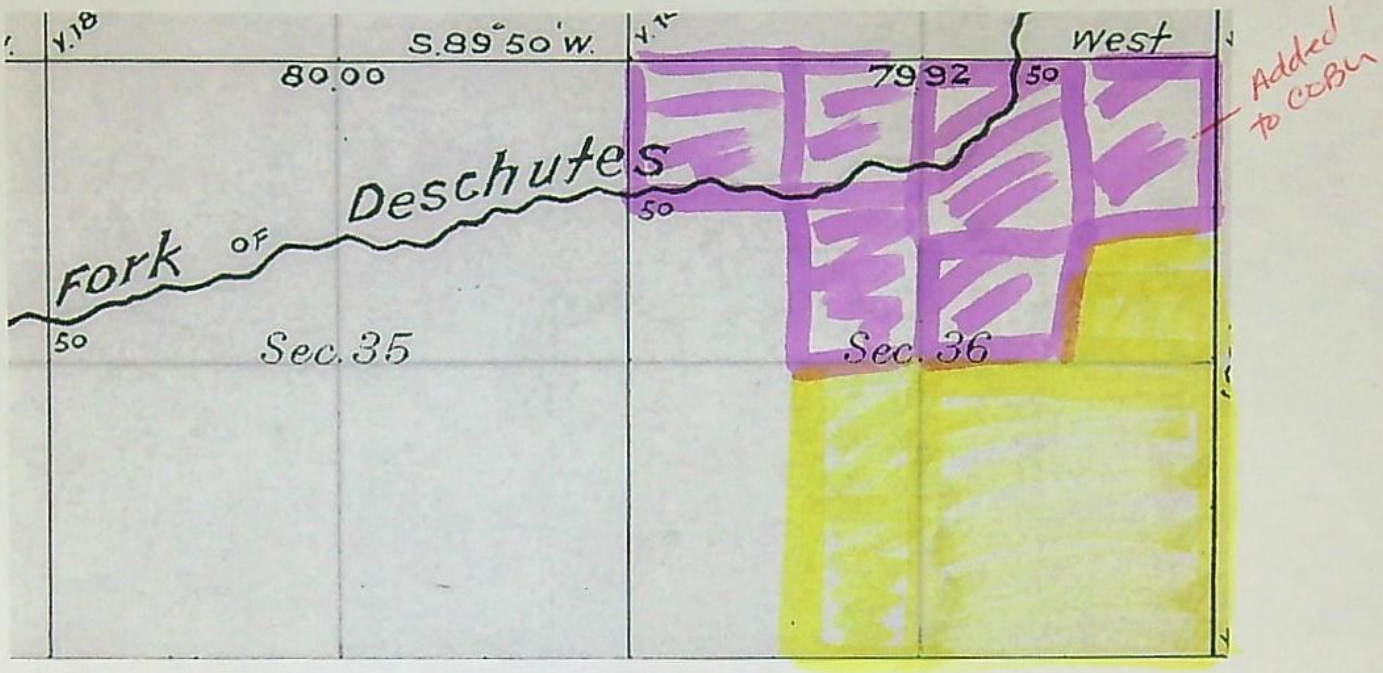
reset | pan | blowup | reduce | enlarge | print

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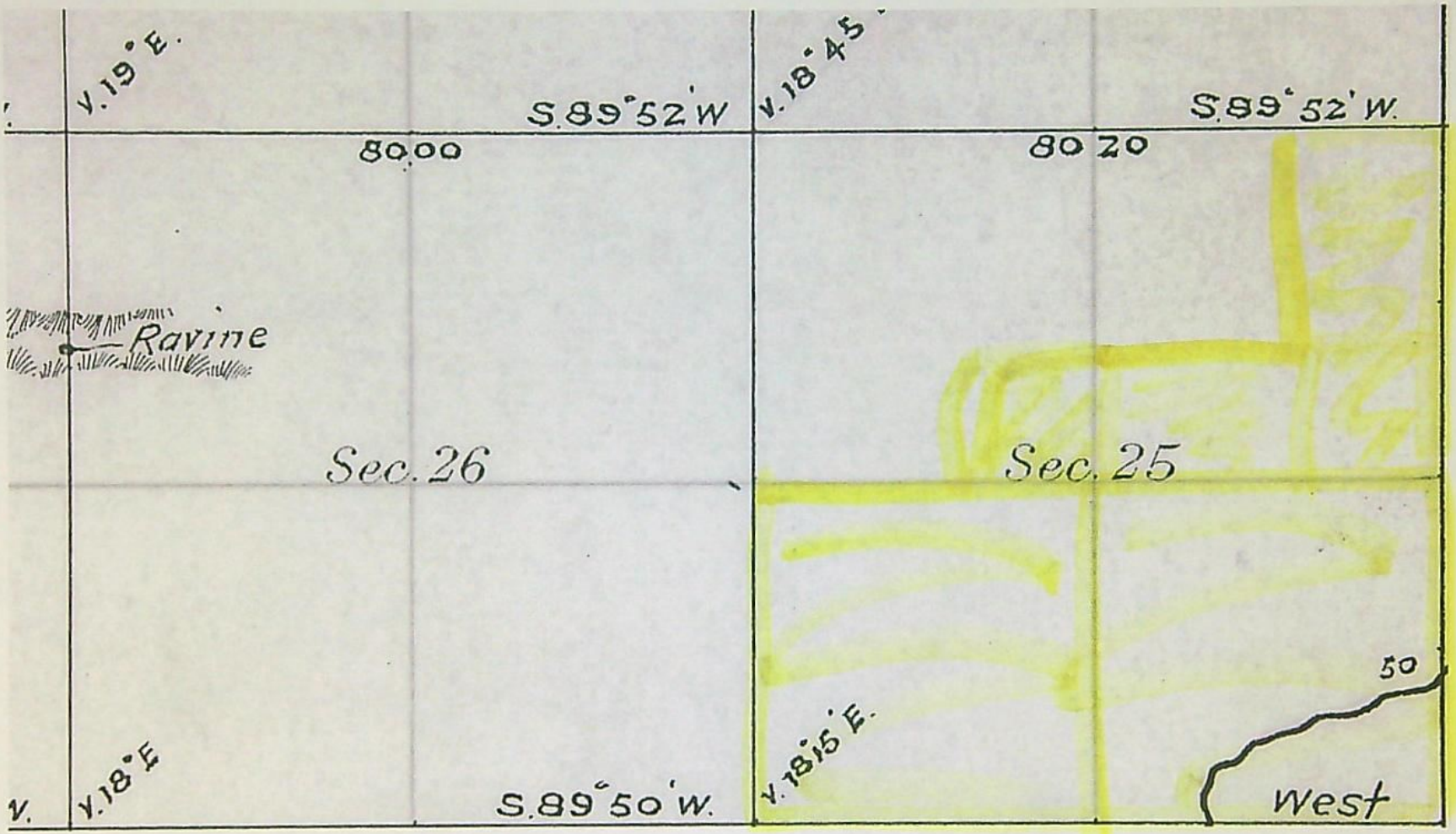
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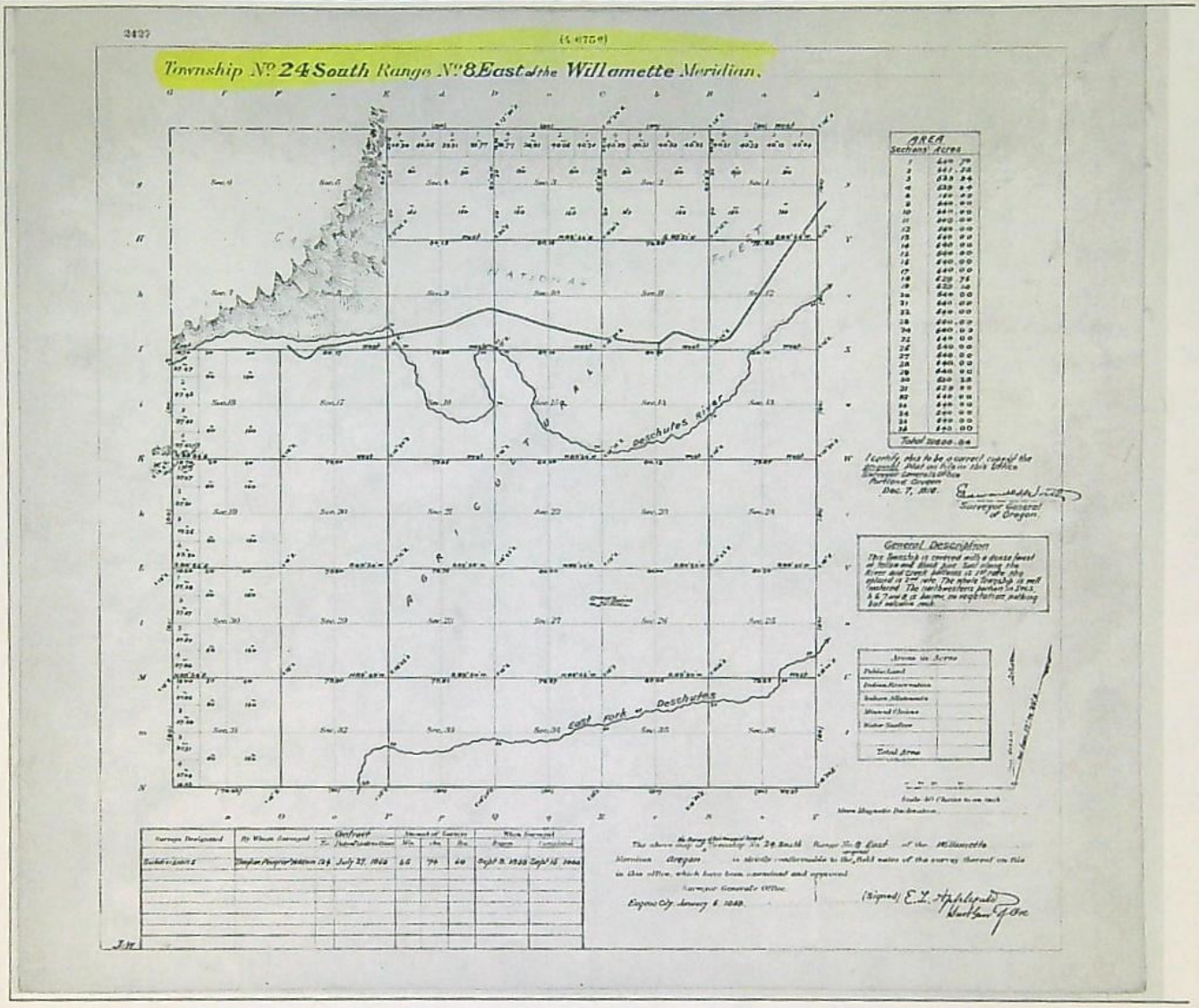

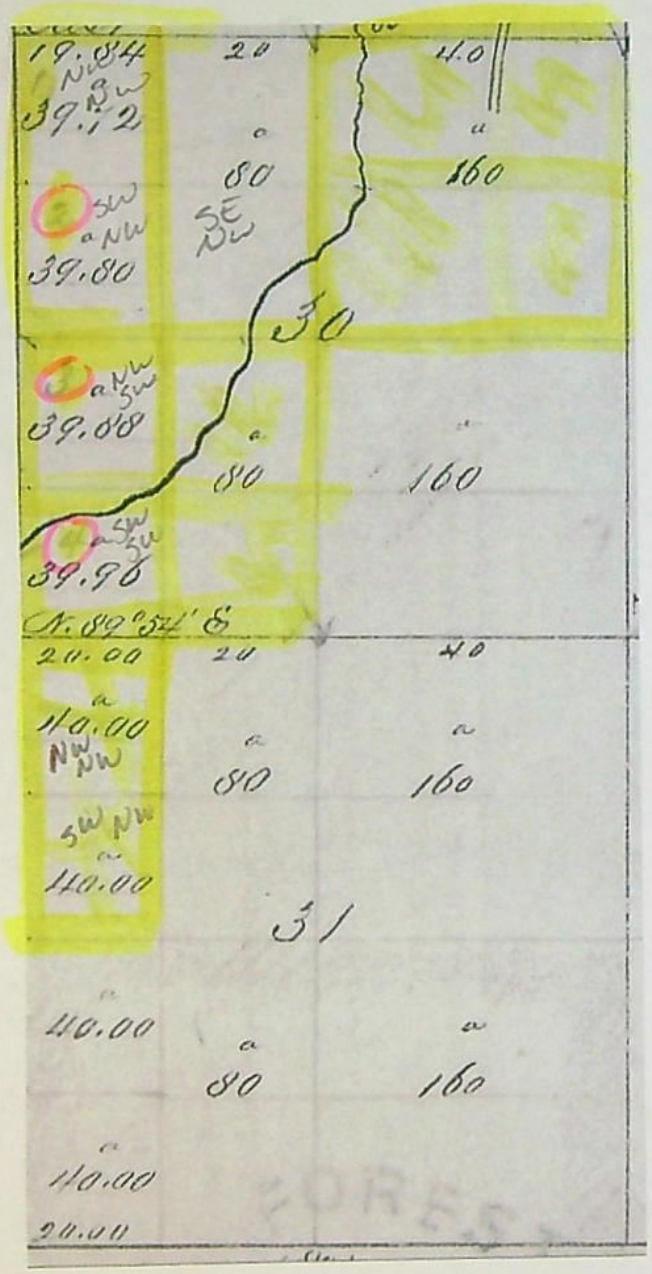
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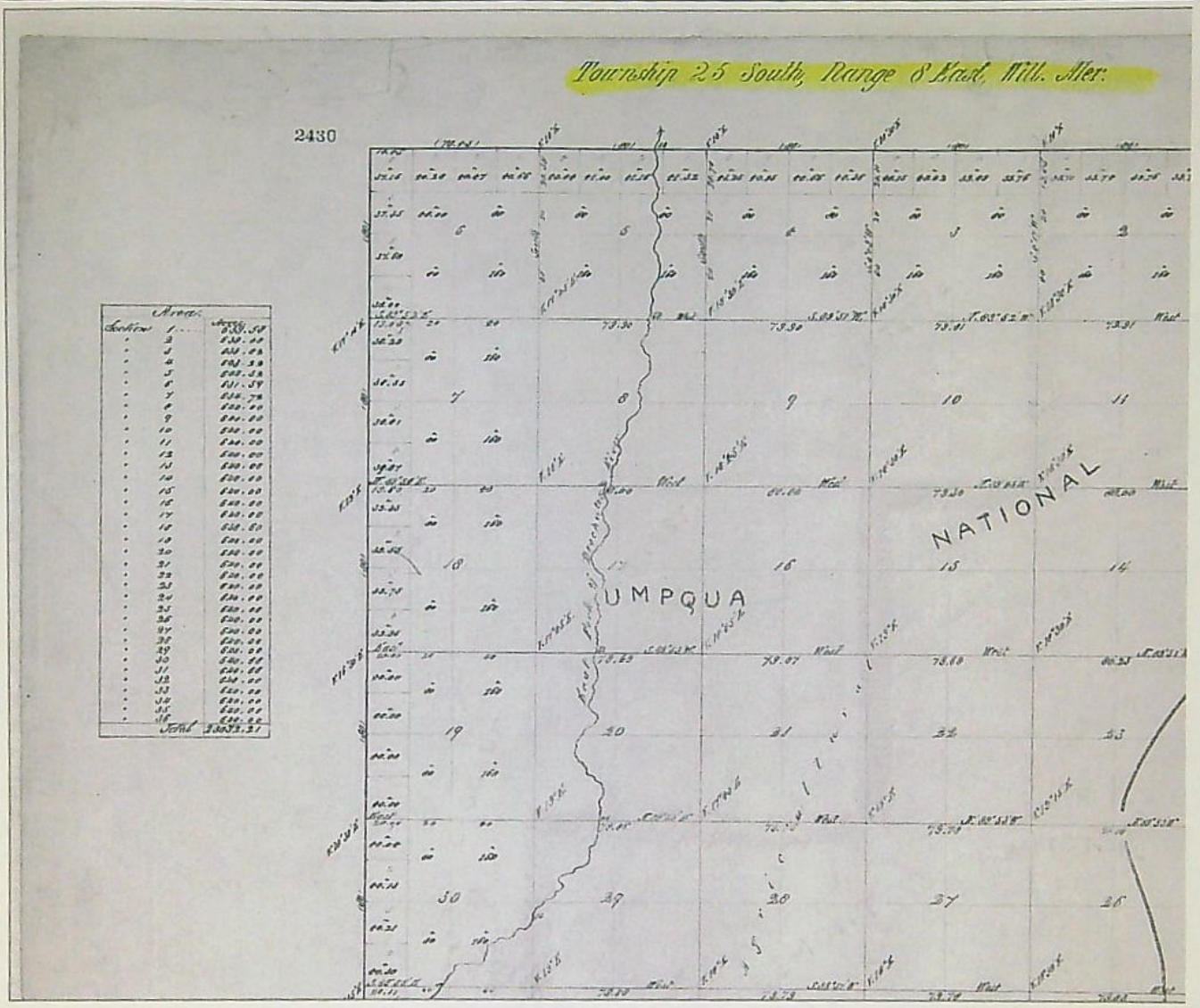

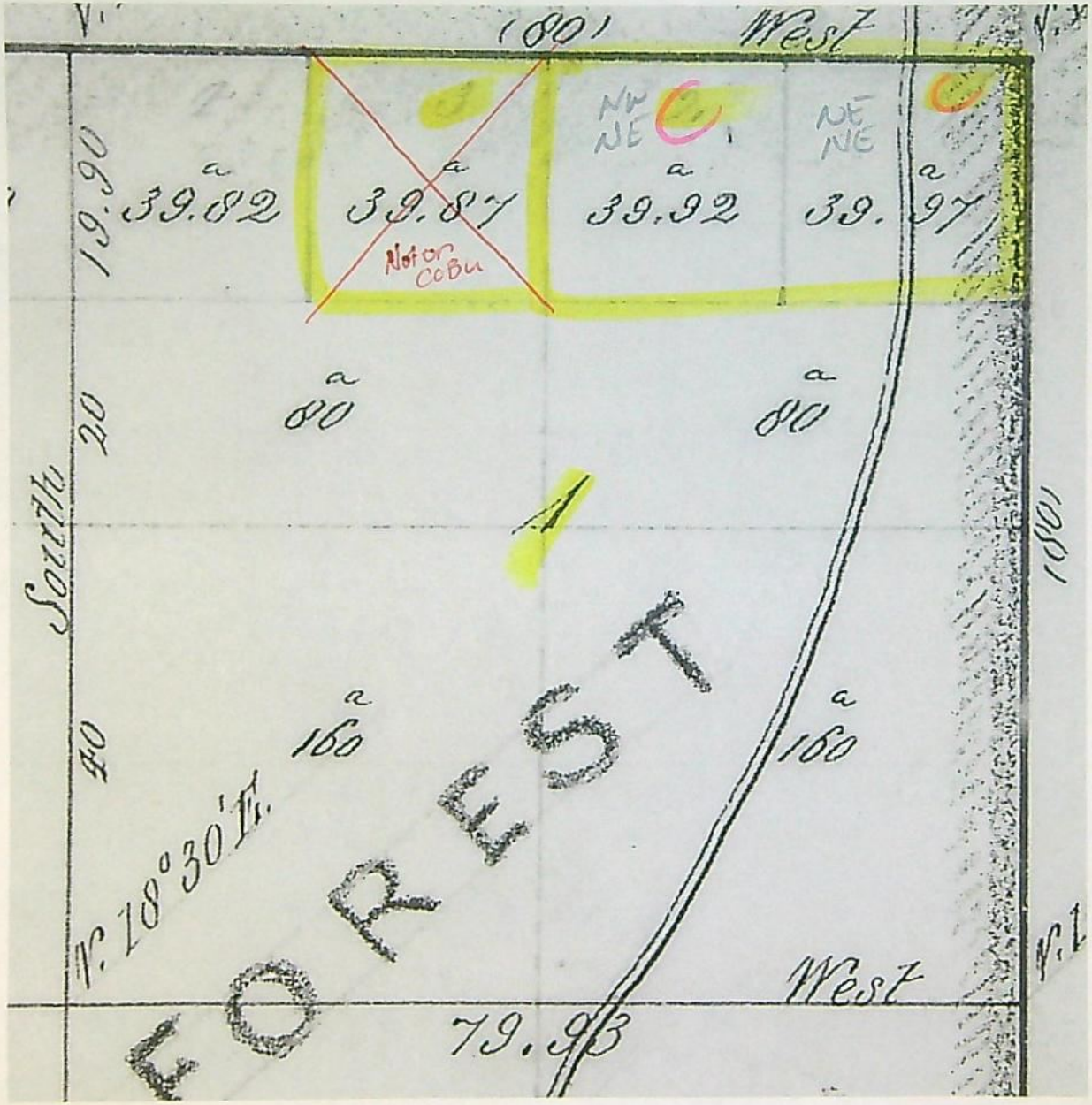
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FOREST
(80)
West
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CENTURY WEST
ENGINEERING CORPORATION

LEADING THROUGH EFFECTIVE SOLUTIONS

Claim of Beneficial Use
Permit No. G-11990

CRESCENT WATER ASSOCIATION

Attn: David Crider, Operator/Secretary
Address: P.O. Box 247
Crescent, Oregon 97733
Phone: (541) 433-2989

September 27, 1999

549 SW Mill View Way, Bend, Oregon 97702
541-388-3500 phone 541-388-5062 fax

Claim of Beneficial Use
Permit No. G-11990

INFORMATION:

Applicant: **Crescent Water Association**
Attn: David Crider, Operator/Secretary
Address: P.O. Box 247
Crescent, Oregon 97733
Phone: (541) 433-2989

There are no variations from the application for this permit, other than the service area for this quasi-municipal water purveyor. The corrected place of use is as shown on the accompanying Final Proof Survey Map, and is as follows, where strike-through text denotes areas deleted from the original permit, and bold, italic text denotes areas added:

NW 1/4 NE 1/4
S ½ NE 1/4
SE 1/4 NW 1/4
SW 1/4
SE 1/4
SECTION 25
TOWNSHIP 24 SOUTH, RANGE 8 EAST, W.M.

SE 1/4 NE 1/4
N ½ NE 1/4
SW 1/4 NE 1/4
N ½ NW 1/4
SE 1/4 NW 1/4
E ½ SW 1/4
SE 1/4
SECTION 36
TOWNSHIP 24 SOUTH, RANGE 8 EAST, W.M.

NE 1/4
S ½ NW 1/4
SW 1/4
NW 1/4 SE 1/4
SECTION 30

W ½ NW 1/4
SECTION 31
TOWNSHIP 24 SOUTH, RANGE 9 EAST, W.M.

N ½ NE 1/4
~~NE 1/4 NW 1/4~~
SECTION 1
TOWNSHIP 25 SOUTH, RANGE 8 EAST, W.M.

SOURCES:

The current source of water used is the permanent ground water aquifer underlying the subject property, within the Little Deschutes River Basin. Water is appropriated from three wells described as follows:

Well #1:

IN THE SW1/4 NE1/4, SECTION 30, T. 24 S., R. 9 E., W.M. - 1680 FEET SOUTH AND 1260 FEET EAST FROM N1/4 CORNER OF SECTION 30.

Well#2:

IN THE SE 1/4 NE1/4, SECTION 30, T. 24 S., R. 9 E., W.M. - 1520 FEET SOUTH AND 1770 FEET WEST FROM N1/4 CORNER OF SECTION 30.

Well #3:

IN THE NE 1/4 NE 1/4, SECTION 1, T. 25 S., R. 8 E., W.M. - 470 FET SOUTH AND 770 FET WEST FROM THE NE CORNER OF SECTION 1.

DIVERSION POINTS:

The diversion points for this permit are the three(3) wells described above. Water from the three wells is pumped to an above ground water tank for system storage.
The static water levels in the respective wells was last measured this year in March, and were as follows on that date:

Well#1:
The static water level was approximately 319 feet below the land surface.
There was no pump test performed during this site visit, but during previous pump tests there has been no significant drawdown from the static level during pumping (2 feet or less). The original

pump test on this well had no drawdown after 24 hours.
The depth of the well is 334 feet. Drilling for the well was completed in June, 1967 by Mathers & Son (Contractor's License No. 262). The approximate ground elevation at the well head is 4520'.
There is an 10" diameter, 250 Gage, welded steel casing installed from 1' above ground to 110' below ground surface.
The well has an access port and airline. The water level at the time of inspection was not determined.

The well motor for Well # 1 is a Franklin Electric, 60 H.P., Model 2366196, 460 Volt, 80.5 Amp, 60 Hz, 3 phase, 3450 RPM.

The pump for Well#1 is a J-Line 8KS, 6-stage, vertical turbine pump, 6" intake and discharge, approximate well head elevation is 4520 feet.

There is a 6" inline water meter on the discharge of this well.

Well#2:
The static water level was approximately 335 feet below the land surface.
There was no pump test performed during this site visit, but during previous pump tests there has been no significant drawdown from the static level during pumping (2 feet or less). The original pump test on this well had no drawdown after 24 hours.
The depth of the well is 365 feet. Drilling for the well was completed in April, 1976 by Carter's Drilling and Pump Service (Contractor's License No. 126). The approximate ground elevation at the well head is 4550'.
There is an 12" diameter, 250 Gage, welded steel casing installed from 1' above ground to 113' below ground surface. There is an 10" diameter, .250 Gage, welded steel casing installed from ground level to 202' below ground surface.
The well has an access port and airline. The water level at the time of inspection was not determined.

The well motor for Well # 2 is a Pleuger Type V8-40, 40 H.P., Model 1840036901, 460 Volt, unknown Amp, 60 Hz, 3 phase, 3450 RPM.

The pump for Well#2 is a Jacuzzi,18-stage, submersible vertical turbine pump, 6" intake and discharge, approximate well head elevation is 4550 feet.

There is a 4" inline water meter on the discharge of this well.

Well#3:
The static water level was approximately 262 feet below the land surface.

There was no pump test performed during this site visit, but during previous pump tests there has been no significant drawdown from the static level during pumping (2 feet or less). The original pump test on this well had 0.5 foot drawdown after 8 hours.
The well was originally drilled to a depth of 280 feet. The well was re-drilled in August, 1992 to its present depth of 307 feet by Mike Prodan, (WWC Number 62). The original drilling for the well was completed in June, 1965 by Gordon Goeres (sp?) (Contractor's License No. 305) for the U.S. Forest Service. The approximate ground elevation at the well head is 4457'.
There is an 12" diameter, 250 Gage, welded steel casing installed from 1' above ground to 138' below ground surface. There is an 8" diameter, .250 Gage, welded steel casing installed from ground elevation to 250' below grade. There is a 6" diameter, .160 Gage liner installed from 236' to 296' below grade. The liner is perforated from 266' to 296' below grade.
The well has an access port and airline. The water level at the time of inspection was not determined.

The well motor for Well # 3 is a Franklin Electric variable speed drive, 30 H.P., Model 2366166010, 460 Volt, 39.5-47 Amp, 60 Hz, 3 phase, 3450/2875 RPM.

The pump for Well#3 is a Flint & Walling,9-stage, vertical turbine pump, 6" intake and discharge, approximate well head elevation is 4457 feet.

There is a 4" inline water meter on the discharge of this well.

STORAGE:

A welded steel tank is used for storage of water. The tank is located as shown on the accompanying final survey map. The tank has a maximum surface elevation of approximately 4644' and a bottom elevation of approximately 4610 feet. The storage capacity of the tank is 250,000 gallons or 33,420 cu.ft. or 0.767 ac.-ft. The storage is all above existing surrounding surface grade.

PIPE:

Piping for the water association is all underground pipe installed in accordance with the requirements of the State of Oregon Health Division for public water systems.

USES:

The water from this quasi-municipal water association is used for typical domestic, commercial and industrial uses. There are presently 307 metered connections on the system. An exact number of persons utilizing the water is not know, but based on typical household sizes we estimate the number of persons at 900 to 1100. The most current complete year record of water pumping, in 1998, was just over 50,000,000 gallons.

LIFT:

Well #3 is near the lowest portion of the property. Elevations vary from 4457' near this lowest

well to 4644 at the top of the water tank. So the maximum lift from this lowest well head would be 187 feet.

CALCULATIONS:

Calculations for the water system were not performed for the purposes of this water rights Site Report. Century West Engineering is the engineer of record for the Water Association and has modeled the entire system for compliance with plumbing codes, state health division rules, and fire flow requirements.

SURVEY TIE:

Two government sectional corners were found for this project. The NE corner of Section 30 was found, a 3" Aluminum Cap, and was used as the survey tie for the well on this property. The East 1/4 corner of this section, also an aluminum cap, was also found.

SPECIAL CONDITIONS:

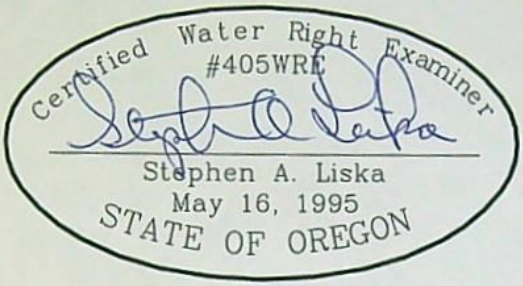
The wells and system were constructed in accordance with requirements of the permit. Water use is metered. The rate of use has not exceeded 1.8 cubic feet per second or its equivalent in case of rotation. Static water levels in the wells have been reported to the Water Resources each year as required. Groundwater elevations have not declined during the measuring period of this permit.

REMARKS:

None.

Certification Statements:

The final proof survey and inspection of the use as found to be completed under the terms and conditions of permit G-11990 was completed by me on September 17, 1999, and the facts contained in this report and accompanying final proof map are correct to the best of my knowledge.



I, Dave Crider, an Agent acting on behalf of Crescent Water Association, agree to the findings of the Certified Water Rights Examiner and do submit this site report and map as its Claim of Beneficial Use of the water as provided under the terms and conditions of Permit G-11990.

David L. Crider Sec — 9-23-1999

Signature — Date

STATE OF OREGON

COUNTY OF KLAMATH

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

CRESCENT WATER ASSOCIATION
PO BOX 123
CRESCENT, OREGON 97733

to use the waters of THREE WELLS in the LITTLE DESCHUTES RIVER BASIN for QUASI MUNICIPAL USES.

This Permit is issued approving Application G-11975. The date of priority is OCTOBER 19, 1989. The use is limited to not more than 1.8 CUBIC FEET PER SECOND or its equivalent in case of rotation, measured at the wells.

The wells are located as follows:

SW 1/4 NE 1/4, SECTION 30, T 24 S, R 9 E, W.M.; WELL 1 - 1680 FEET SOUTH AND 1260 FEET EAST FROM N 1/4 CORNER OF SECTION 30.

SE 1/4 NE 1/4, SECTION 30, T 24 S, R 9 E, W.M.; WELL 2 - 1520 FEET SOUTH AND 1770 FEET EAST FROM N 1/4 CORNER OF SECTION 30.

NE 1/4 NE 1/4, SECTION 1, T 25 S, R 8 E, W.M.; WELL 3 - 470 FEET SOUTH AND 770 FEET WEST FROM NE CORNER OF SECTION 1.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the proposed place of use under the permit is as follows:

NW 1/4 NE 1/4
S 1/2 NE 1/4
SE 1/4 NW 1/4
SW 1/4
SE 1/4
SECTION 25
TOWNSHIP 24 SOUTH, RANGE 8 EAST, W.M.
SE 1/4 NE 1/4
E 1/2 SW 1/4
SE 1/4
SECTION 36
TOWNSHIP 24 SOUTH, RANGE 8 EAST, W.M.
NE 1/4
S 1/2 NW 1/4
SW 1/4
NW 1/4 SE 1/4
SECTION 30
W 1/2 NW 1/4
SECTION 31
TOWNSHIP 24 SOUTH, RANGE 9 EAST, W.M.
N 1/2 NE 1/4
NE 1/4 NW 1/4
SECTION 1
TOWNSHIP 25 SOUTH, RANGE 8 EAST, W.M.

The water user shall report a March static water level in the well(s) to the Groundwater/Hydrology Section of the Water Resources Department by April 15 of each year. The measurement shall be made and calculations detailed by a certified water rights examiner, registered professional geologist, certified engineering geologist, or professional engineer.

Measurement, recording and reporting conditions:

A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

The permittee shall obtain a static water-level measurement for each well during March of each year and report the measurement to the Department within thirty days. The measurement shall be made by a certified water-rights examiner, registered professional geologist, certified engineering geologist, professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board. Water levels shall be reported as depth-to-water below ground level and shall be accompanied by supporting calculations. Reports and calculations shall be provided to the Department on forms provided by the Department and shall be certified as to their accuracy by the individual making the measurements. If a well listed on this permit displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the permittee shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the permittee's or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The reference level for water-level declines shall be the second annual measurement taken after water use begins under the terms of this permit. The permittee shall in no instance allow excessive decline to occur within the aquifer as a result of use under this permit.

Use of water from the wells shall not be allowed if the wells displays an (A) average water level decline of 3 or more feet per year for 5 consecutive years, or (B) a water level decline of 15 or more feet in fewer than 5 consecutive years, or (C) a water level decline of 25 or more feet, or (D) a hydraulic interference decline of 25 or more feet in any neighboring well with senior priority which provides water for an authorized use.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The Water Resources Department has determined that the initial water level in the wells are those of the initial March report. That is the level from which the cited declines in (A), (B) and (C) above will be referenced.

Within one year of permit issuance, the association shall submit a conservation management plan consistent with Oregon Administrative Rule 690-86.

The well shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works constructed shall include an air line and pressure gauge or an access port for a measuring line, adequate to determine water level elevation in the well at all times. When required by the department, the permittee shall install and maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

Actual construction work shall begin on or before April 24, 1996 and shall be completed on or before October 1, 1999. Complete application of the water to the use shall be made on or before October 1, 1999.

This permit is for the beneficial use of water without waste. By law, the land use associated with this water must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use granted herein may be made only at times when sufficient water is available to satisfy all prior rights.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, would not impair or be detrimental to the public interest.

Issued this date, April 24, 1995.

Water Resources Department
Martha O. Pagel
Director

Oregon
John A. Kitzhaber, MD, Governor

Water Resources Department
North Mall Office Building
725 Summer St NE, Suite A
Salem, OR 97301
Phone (503) 986-0900
Fax (503) 986-0904
www.wrd.state.or.us

August 4, 2014

Crescent Water Supply & Improvement District
Attn: Ed Hildebrand
PO Box 247
Crescent, OR 97733

RE: Water Use Permit G-11990 (Application G-11975)

Dear Mr. Hildebrand:

Thank you for your recent telephone inquiry related to the use of water under Crescent Water Supply & Improvement District's Permit G-11990, which allows the use of up to 1.8 cubic feet per second (cfs) of ground water from three wells for quasi-municipal use. Specifically, you asked whether ground water under Permit G-11990 could be used for water bottling purposes.

As defined in Oregon Administrative Rules (OAR) 690-300-010(40), **quasi-municipal** water use "*...means the delivery and use of water through the water service system of a corporation other than a public corporation created for the purpose of operating a water supply system, for those uses usual and ordinary to municipal water use...*"

Under OAR 690-300-010(29), **municipal** water use is defined as "*...the delivery and use of water through the water service system of a municipal corporation for all water uses usual and ordinary to such systems. Examples of these water uses shall include but are not limited to domestic water use, irrigation of lawns and gardens, commercial water use, industrial water use, fire protection, irrigation and other water uses in park and recreational facilities, and street washing. Such uses shall not include the generation of hydroelectric power.*"

The use of water for water bottling purposes is classified under **commercial** water use, which is defined in OAR 690-300-010(6) as the "*...use of water related to the production, sale or delivery of goods, services or commodities by a public or private entity...*"

So, because the use of water for commercial purposes (*i.e., water bottling*) is allowed under the municipal water use classification, then the use of water for commercial purposes (*i.e., water bottling*) under the quasi-municipal use classification is also allowed. In other words, water bottling is an allowed use under a quasi-municipal use permit.

Please feel free to contact me if you have any follow up questions or if I may be of any further assistance. You can reach me at 503-986-0880 or *Lisa.J.Jaramillo@wrd.state.or.us*.

Sincerely,

Lisa J. Jaramillo
Water Management and Conservation Analyst
Water Right Services Division

cc: WMCP file
Application G-11975 (Permit G-11990)
Jeremy Giffin, District #11 Watermaster

Oregon
John A. Kitzhaber, MD, Governor

Water Resources Department
North Mall Office Building
725 Summer St NE, Suite A
Salem, OR 97301
Phone (503) 986-0900
Fax (503) 986-0904
www.wrd.state.or.us

June 18, 2014

Crescent Water Supply & Improvement District
Attn: Ed Hildebrand
P.O. Box 247
Crescent, OR 97733

Subject: Water Management and Conservation Plan

Dear Mr. Hildebrand:

Enclosed, please find the final order approving your water management and conservation plan.

The attached final order specifies that the Crescent Water Supply & Improvement District's plan shall remain in effect until **June 18, 2024**. Additionally, the District is required to submit a progress report to the Department by **June 18, 2019**, detailing progress made toward the implementation of conservation benchmarks scheduled in the plan. Finally, the District must submit an updated Water Management and Conservation Plan to the Department by **December 18, 2023**.

NOTE: *The deadline established in the attached final order for submittal of an updated water management and conservation plan (consistent with OAR Chapter 690, Division 086) shall not relieve Crescent Water Supply & Improvement District from any existing or future requirement(s) for submittal of a water management and conservation plan at an earlier date as established through other final orders of the Department.*

We appreciate your cooperation in this effort. Please do not hesitate to contact me at *Mellony.D.Hoskinson@state.or.us* or by phone at 503-986-0887 if you have any questions.

Sincerely,

Mellony D. Hoskinson

Mellony Hoskinson
Water Supply & Conservation Specialist

Enclosure

cc: WMCP File
Application G-11975 (Permit G-11990)
District #11 Watermaster
William H. Brackett, PE, Century West Engineering

BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON

In the Matter of the Proposed Water Management and Conservation Plan for the Crescent Water Supply and Improvement District, Klamath County	))))	FINAL ORDER APPROVING A WATER MANAGEMENT AND CONSERVATION PLAN

Authority

OAR Chapter 690, Division 086, establishes the process and criteria for approving water management and conservation plans required under the conditions of permits, permit extensions and other orders of the Department.

Findings of Fact

1. Crescent Water Supply and Improvement District (District) submitted a Water Management and Conservation Plan (plan) to the Water Resources Department (Department) on January 7, 1998. The plan was required by a condition set forth under Permit G-11990.

2. The Department initiated review and published notice of receipt of the plan on October 12, 2004, as required under OAR Chapter 690, Division 086. No comments were received.

3. The Department provided written comments on the plan to the District on February 3, 2006. In response, the District submitted a revised plan on February 22, 2006.

4. The Department reviewed the revised plan and determined that further revisions were needed. The Department provided further written comments on the revised plan to the District on January 22, 2014. In response, the District submitted a final revised plan to the Department on June 17, 2014.

5. The Department reviewed the final revised plan and finds that the final revised plan is consistent with the relevant requirements under OAR Chapter 690, Division 086.

Conclusion of Law

The Water Management and Conservation Plan submitted by the Crescent Water Supply and Improvement District is consistent with the criteria in OAR Chapter 690, Division 086.

This is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080, you may petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

Now, therefore, it is ORDERED:

1. Crescent Water Supply and Improvement District's Water Management and Conservation Plan is approved and shall remain in effect until June 18, 2024, unless this approval is rescinded pursuant to OAR 690-086-0920.

2. Crescent Water Supply and Improvement District shall submit an updated plan meeting the requirements of OAR Chapter 690, Division 086 within 10 years and no later than December 18, 2023.

3. Crescent Water Supply and Improvement District shall submit a progress report containing the information required under OAR 690-086-0120(4) by June 18, 2019.

4. The deadline established herein for the submittal of an updated Water Management and Conservation Plan (consistent with OAR Chapter 690, Division 086) shall not relieve the District from any existing or future requirement(s) for submittal of a Water Management and Conservation Plan at an earlier date as established through other final orders of the Department.

Dated at Salem, Oregon this 18 day of June, 2014.

Dwight French, Water Right Services Administrator *for*
PHILLIP C. WARD, DIRECTOR

Mailing date: JUL 01 2014

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

Request for Assignment

If for multiple rights, a separate form and fee for each right will be required.

I, Crescent Water Association
(Name of Applicant / Permit / Transfer Holder / License Holder/GR Certificate of Registration)

P.O. Box 247 Crescent OR 97733 541-433-298
(Mailing Address) (City) (State) (Zip) (Phone #)

☑ hereby assign *all my interest* in and to application/permit/transfer/license/GR Certificate of Registration;

☐ hereby assign *all my interest* in and to a portion of application/permit/transfer/license/GR Certificate of Registration; *(You must include a map showing the portion of the application/permit/transfer/license/GR Certificate of Registration to be assigned.)*

☐ hereby assign *a portion of my interest* in and to the *entire* application/permit/transfer/license/GR Certificate of Registration:

Application # G11975 ; Permit # G11990 ; Transfer # _____
-OR-

License # _____ ; GR Statement # _____ ; GR Certificate of Registration # _____

As filed in the office of the Water Resources Director, to:

Crescent Water Supply + Improvement Dist.
(Name of New Owner)

P.O. Box 247 Crescent OR 97733
(Mailing Address) (City) (State) (Zip) (Phone #)

Note: If there are other owners of the property described in the Application, Permit, Transfer, License, or GR Certificate of Registration, *you must provide a list of all other owners' names and mailing addresses and attach it to this form.*

I hereby certify that I have notified all other owners of the property described in this Application, Permit, Transfer, License, or GR Certificate of Registration of this Request for Assignment

Witness my hand this 10th day of Jan 2014

Applicant/Permit Holder _____

Applicant/Permit Holder Water Operator

1/10/14 JK

D-0830

DO NOT WRITE IN THIS BOX

This certifies assignment and record change at Oregon Water Resources Department effective 8:00 a.m. on date of receipt at Salem, Oregon.
Fee receipt # 111038
For Director by Jerry Sauter, Program Analyst in Water Rights Division

The completed "Request for Assignment" form *must* be submitted to the Department along with the recording fee of $85.

RECEIVED BY OWRD
JAN 17 2014
SALEM, OR

RECEIVED BY OWRD
JAN 29 2014
WR
SALEM, OR

Oregon
John A. Kitzhaber, MD, Governor

Water Resources Department
North Mall Office Building
725 Summer St. NE, Suite A
Salem, OR 97301
Phone 503-986-0900
FAX 503-986-0904
www.wrd.state.or.us

January 30, 2014

Crescent Water Supply and Improvement District
P.O. Box 247
Crescent, Oregon 97733

Reference: Application G-11975, Permit G-11990

The assignment from Crescent Water Association to Crescent Water Supply and Improvement District has been recorded in the records of the Water Resources Department.

The Departments records will now show Crescent Water Supply and Improvement District as the permit holder of record.

Our records have been changed accordingly and the original request is enclosed. Receipt number 111038 covering the recording fee is also enclosed.

Please review the permit to be familiar with the conditions and timelines contained in the permit. These conditions and timelines will have to be met before a Certificate of Water Right can be issued.

Sincerely,

Jerry Sauter
Water Rights Program Analyst
Water Right Services Division

Enclosure: Receipt 111038

cc: Watermaster 17
Data Center, OWRD (cover letter & request)
Hydrographics
File

MEMORANDUM

TO: IVAN GALL, MANAGER, GROUND WATER SECTION

FROM: CERTIFICATE SECTION - CONNIE VANCE

SUBJECT: PUMP TEST FOR PERMIT G-11990 APPLICATION G-11975

DATE: 2/3/2014

The attached pump test was recently received. We have retained the original for the application file.

S:\groups\wr\certs\Resource Center\pump test memo normal.doc

Oregon Water Resources Department

PUMP TEST FORM COVER SHEET

Well Owner:
Name: Crescent Water Supply & Imp. Dist.
Address: PO Box 247 - 136107 Hwy 97
County: Klamath
City: Crescent State: OR Zip: 97733
Original owner (from well log): Crescent Water Association

Well Location:
Township: 24 S Range: 9 E
Section: 36 ¼: NE 1/16 NE 1/64: NE
Well depth: 365 Date drilled: 4-27-1976
Owners well no. (if any): _____
POD ID: _____

Water Right Information:
Application: G11975 Permit: G11990 Certificate: _____
Is this well listed on more than one water right? ☐Yes If yes, list additional water rights below:
Application: _____ Permit: _____ Certificate: _____
Application: _____ Permit: _____ Certificate: _____

Pump Test:
Test Conducted by: Edwin C. Hildebrand
Company: Crescent Water Supply & Imp. Dist.
Address: 136107 Hwy 97 N.
City: Crescent State: OR Zip: 97733
Daytime phone: 541-433-2989
Well Owner? ☐Yes Operator D-08307 D.R.C.
Date of Test: 1-17-14

Method of discharge measurement (see our brochure for more information): Flow meter
Method of water-level measurement (pick one or enter other method used): Choose or enter method
Length of air line (if used): _____ Electric water level measuring tape

Pump type (pick one or enter other method used): Choose one or enter alternative
Was the pump test conducted during normal use of the well? ☐Yes Note: No

Are you aware of any wells, other than domestic or stock wells, pumping within 1000 feet of the tested well during the test or within 24 hours prior to the test? ☐Yes Note: No
If yes, give approximate distances to each and approximate pumping rate of each. If possible, indicate if they were turned on or off during the test: _____

Is there a lake, stream or other surface water body within ¼ mile of the tested well? ☐Yes If yes, give approximate distance from the well and approximate elevation difference between the surface water and the well head. Approx. distance: No ft Approx. elevation difference: _____ ft

Well elevation is **below** surface water body.

Description of measuring point (e.g. top port of 1 inch port pipe, west side) top of well Head
Measuring point distance **below** land surface 3.4 feet.

Static water level measurements: (A minimum of three measurements are required in the hour before pumping begins at no less than 20 minutes apart):

Time	Depth to water below meas. point	Depth to water below land surface
8:49 AM	346	343
9:10 AM	346	343
9:30 AM	346	343

Discharge measurements: (A discharge measurement is required at the start of pumping and at least once an hour during the test; additional measurements should be noted on the Pump Test Data Sheet):

Time	Discharge Rate	Discharge Units (e.g. gpm, cfs, etc)
9:51	230	gpm (gallons per minute) 230
9:53	230	gpm (gallons per minute) 230
9:55	230	gpm (gallons per minute) 230
9:57	230	gpm (gallons per minute) 230
9:59	230	gpm (gallons per minute) 230

Time pump turned on: Date 1-17-14 Time 9:51 AM
Time pump turned off: Date 1-18-14 Time A.M
Total pumping time: 24 hours _____ minutes

Note: Well must be idle for at least 16 hours prior to the test.
Additional forms can be obtained from our web site at: http://www.wrd.state.or.us OWRD 2/9/2000

Required Signature: Edwin C. Hildebrand Operator & D.R.C.

Oregon Water Resources Department

PUMP TEST DATA SHEET

Page _____ of _____

Application: G11975 Permit: G11990 Certificate: _____ Pod_Id: _____

All water-level measurements must either be in feet and inches, or feet and decimal fractions.

Drawdown Data

Date	Time	Time Since Pump Started (minutes)	Depth to Water Below Measuring Pt	Depth to Water Below Land Surface	Comments
1-17-14	849A			343	Orig TD
1-17-14	910A			343	Turn on
1-17-14	930A			343	DL
1-17-14	951A	2	346	343	
1-17-14	953A	4	346	343	
1-17-14	955A	6	346	343	
1-17-14	957A	8	346	343	
1-17-14	959A	10	346	343	
1-17-14	1004A	15	346	343	
1-17-14	1009A	20	346	343	
1-17-14	1014A	25	346	343	
1-17-14	1019A	30	346	343	
1-17-14	1034A	45	346	343	
1-17-14	1049A	60	346	343	
1-17-14	1104A	75	346	343	
1-17-14	1119A	90	346	343	
1-17-14	1134A	105	346	343	
1-17-14	1149A	220	346	343	
1-17-14	1204P	235	346	343	
1-17-14	1219P	250	346	343	
1-17-14	1234P	265	346	343	
1-17-14	1246P	280	346	343	
1-17-14	1304P	295	346	343	
1-17-14	1319P	310	346	343	
1-17-14	1334P	325	346	343	
1-17-14	1349P	340	346	343	

Recovery Data

Date	Time	Time Since Pump Stopped (minutes)	Depth to Water Below Measuring Pt	Depth to Water Below Land Surface	Comments
1-17-14	1350P	2	346	343	
1-17-14	1353P	4	346	343	
1-17-14	1356P	6	346	343	
1-17-14	1359P	8	346	343	
1-17-14	1404P	10	346	343	
1-17-14	2004P	15	346	343	
1-17-14	2009P	20	346	343	
1-17-14	2014P	25	346	343	
1-17-14	2019P	30	346	343	
1-17-14	2349P	45	346	343	
1-17-14	2449P	60	346	343	
1-17-14	3004P	75	346	343	
1-17-14	3019P	90	346	343	
1-17-14	3134P	105	346	343	
1-17-14	3449P	220	346	343	
1-17-14	4004P	235	346	343	
1-17-14	4019P	250	346	343	
1-17-14					

Additional forms can be obtained from our web site at: http://www.wrd.state.or.us

OWRD 2/9/2000

Mellony Hoskinson

From: Mercy Sullenger <cwsid@hotmail.com>
Sent: Friday, January 24, 2014 1:17 PM
To: mellony.d.hoskinson@state.or.us
Subject: Attaching pump test
Attachments: img016.jpg; img017.jpg; img018.jpg

I am attaching the pump test requirements for Groundwater rights holders. I thought it might be easier if I did this way. If I need to mail them to you so you have the originals, just let me know and I can do that also.

Thanks so much

Mercy Sullenger
Office Manger
Crescent Water Supply & Improvement District
136101 HWY 97 N. / PO BOX 247
Crescent, Or. 97733
(541)433-2989
cwsid@hotmail.com

Oregon
John A. Kitzhaber, MD, Governor

Water Resources Department
North Mall Office Building
725 Summer St. NE, Suite A
Salem, OR 97301
Phone 503-986-0900
FAX 503-986-0904
www.wrd.state.or.us

January 21, 2014

Crescent Water Supply and Improvement District
P.O. Box 247
Crescent, Oregon 97733

Reference: Application G-11975, Permit G-11990

The requested assignment could not be performed as the request was not signed. Please sign the request, and indicate the title of the signer.

The Department is returning your request and check.

Sincerely,

Jerry Sauter
Water Rights Program Analyst
Water Right Services Division

Enclosure: original request and check

cc: File

RECEIVED BY OWRD
JAN 29 2014
SALEM, OR

Gerry Clark

From: Gerry Clark
Sent: Tuesday, January 14, 2014 1:09 PM
To: 'cwsid@hotmail.com'
Subject: Permit G-11990 Pump Test
Attachments: Permit G-11990 Pump Test.pdf

Ed,

I pulled the file and found the attached information regarding the pump test. It looks like it was rejected for several reasons. It looks like the test that was submitted was from 1976. It could be that that test was submitted because one had already been performed, rather than conducting a new test is 2008.

Here are a few links for you:

Pump Test Brochure
http://www.oregon.gov/owrd/pubs/docs/forms/pump_test.pdf

Pump Test Cover Sheet
http://www.oregon.gov/owrd/pubs/docs/forms/pump_test_cover.pdf

Pump Test Data Sheet
http://www.oregon.gov/owrd/pubs/docs/forms/pump_test_data.pdf

OAR 609-217 discusses pump tests. It may be worth reading through the rules to see if there is any additional information that you may find useful. For example, since you have multiple wells, you may qualify for a multiple well exemptions as is outlined in OAR 690-217-0020(3):

> If a landowner owns multiple wells producing from the same aquifer and has tested one of those wells, he may request exemptions for all other of those wells which are within five miles of the tested well and which produce water from the same aquifer. If a well is more than five miles from the tested well, or produces from a different aquifer, it must be tested separately. Requests for exemptions shall be in writing and include water well reports or other documentation showing the water producing zones for each well.

Prior to conducting any tests, it may time well spent to contact someone in the Groundwater Section at the Department to discuss the test.

Please let me know if you have any additional questions.

Gerry

Gerry Clark
Water Right Services Division
Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301

Phone: 503-986-0811

Oregon
Theodore R. Kulongoski, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

December 30, 2008

GW

CRESCENT WATER ASSOCIATION
PO BOX 247
CRESCENT OR 97733-0247

The Department has rejected the pump tests for the following permitted well(s):

Application	Permit	Permitted Well	Tested Well	Test Date	Test Status	Owner's Well Name
G 11975	G 11990	KLAM 437	KLAM 437	04/29/1976	Rejected	WELL 2

The test was rejected for the following reasons:

[ ] The discharge rate was not held constant.
[X] The pump was turned off for a portion of the pumping phase.
[ ] The discharge was not measured at the specified time intervals during the pumping phase of the test.
[X] Water levels were not measured to an accuracy of 0.1 feet.
[X] Pre-test static water levels were not measured at the specified intervals.
[ ] Water levels were not measured at the specified time intervals during the test.
[ ] Water levels were not measured during the recovery phase of the test.
[ ] Airline measurements are not allowed if the depth to water is less than or equal to 300 feet.
[ ] Airline measurements were not verified by an electric tape measurement.
[X] Test data and the supporting documentation were not reported on the Department's forms.
[ ] A graph indicates that the data is probably corrupt.
[ ] Rising water levels during some or all of the pumping phase of the test indicate that the pumping rate was not held constant or that water-level measurements are inaccurate.

A copy of the Oregon Administrative Rules (OAR 690-217) that pertain to the deficiencies with your pump test are included with this letter. The following related materials can also be found on our web site at:

Pump test administrative rules: http://arcweb.sos.state.or.us/rules/OARS_600/OAR_690/690_217.html
A booklet explaining pump tests: http://www1.wrd.state.or.us/pdfs/pump_test.pdf
Pump Test Cover Sheet: http://www1.wrd.state.or.us/pdfs/pump_test_cover_.pdf
Pump Test Data Sheet: http://www1.wrd.state.or.us/pdfs/pump_test_data.pdf

Please contact me if you have any questions about the status of your test. Please call Gerry Clark at 503-986-0811 if you have any questions about how this action may affect the status of your water right.

Sincerely yours,

Emily Bray-Nash
Ground Water/Hydrology Section

cc: GW Pump Test File

Oregon
Theodore R. Kulongoski, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1266
503-986-0900
FAX 503-986-0904

Oregon Administrative Rules 690-217 Requirement for Pump Testing of Non-Exempt Wells

690-217-0025

Pump Test Specifications for Wells Other than Flowing Artesian Wells

The pump tests for wells other than flowing artesian wells shall be conducted such that the following minimum specifications are met:

(1) The well shall be idle for a period of at least sixteen hours prior to the pump test.

(2) The static water level in the well shall be measured within the hour prior to the test at least three times no less than twenty minutes apart.

(3) The pumping phase of the test shall be at least four hours.

(4) The pump discharge shall be controlled as much as possible to maintain a constant rate during the test and shall be as close as reasonably possible to the anticipated pumping rate during normal use of the well. Discharge shall be recorded at the beginning of the test and once every hour thereafter.

(5) Water level measurements during the first ten minutes of pumping shall be timed no more than two minutes apart. Water level measurements from ten to thirty minutes of pumping shall be timed no more than five minutes apart. After 30 minutes of pumping, drawdown measurements shall be taken no more than 15 minutes apart for the duration of the test.

(6) After pumping stops, water level measurements shall be taken for four hours or until the well reaches 90 percent recovery from the maximum drawdown, whichever occurs first. Recovery water level measurements shall be taken on the same schedule as described in section (5) of this rule for drawdown measurements.

690-217-0045

Acceptable Techniques for Measurement of Water Level and Discharge

(1) Water level measurements shall be taken by one of the following methods:

(a) An electric water level measuring tape specifically designed for this purpose. Depth markings on the tape shall be no more than five feet apart, and shall be accurate to 0.5 percent. All water level measurements shall be reported to a precision of at least one-tenth of a foot;

(b) A calibrated electronic pressure transducer coupled with an appropriate output device or data logger. The accuracy and precision of the transducer and output device or data logger shall meet those outlined in subsection (1)(a) of this rule for electric water level measuring tapes. If an electronic pressure transducer is used for water level measurement, the manufacturer's name, the serial number and calibration date of the device must be supplied in the pump test report;

Oregon
Theodore R. Kulongoski, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1266
503-986-0900
FAX 503-986-0904

(c) An air line and pressure gauge. Air line measurements shall be accepted only where water levels deeper than 300 feet below ground level are encountered or expected. Air line accuracy shall be verified by at least one water level measurement with an electric water level measuring tape;

(d) An acoustic sounding device designed and manufactured specifically for measuring the depth to water in walls;

(e) The wetted steel tape method. This method may be used for static water level measurements only.

(2) Measurements of air line pressure of shut-in pressure of flowing artesian wells shall be with a calibrated pressure gauge with marked intervals of one PSI or less.

(3) Discharge from the pump shall be physically measured by a standard and acceptable method. In no case will visually estimated flow rates be accepted. Acceptable methods include:

(a) A properly installed flow meter which is functional and calibrated within reasonable limits;

(b) A properly installed weir or flume;

(c) A properly installed calibrated orifice plate and manometer;

(d) Known volume/time calculations (including calibrated bucket and stopwatch up to 60 gallons per minute); and

(e) Properly used ultrasonic flow measuring devices.

690-217-0055

Pump Test Reports

Results of pump tests shall be reported on the pump test report form supplied by the Water Resources Department. The person conducting the pump test shall be responsible for completing and certifying the pump test report. The well owner shall sign and submit the pump test report.

Stat. Auth.: ORS 537

Stats. Implemented:
Hist.: WRD 25-1988, f. & cert. ef. 12-20-88

1	Drilled 334' deep in broken basalt Static Water 312' to 324' Aquifer is: 10' to 22' deep Pump & Motor is 9' Set 1' from bottom Have anywhere from 7' to 1' of useable aquifer	KLAM 436
CWA Well #2	Drilled 365' deep into broken basalt Static Water 335' to 344' Aquifer is: 30' to 31' deep Pump & Motor is 9' Set 1' from the bottom Have anywhere from 11' to 12' of useable aquifer	KLAM 437
CWA/USDA Well #3	Drilled 296' deep in broken basalt Static Water 265' to 270' Aquifer is: 16' to 24' Pump & Motor is 9' Set 1' from bottom Have anywhere from 6' to 14' of useable aquifer and limit of 120gpm present head. (Pump to waste is 300gpm)	KLAM 458

	#1	#2	#3
March 2008 static water level:	324'	344'	268'
September 2, 2008 " " "	317'	343.5'	266'

To GERRY Clark

It was Nice Talking To you.

Enclosed is well #2 pump TEST

well #3 has Two well Logs KLAM 458
KLAM 10261

well #2 log is Enclosed.

look Fowards To working with you.

David Cinder
OPERATOR

1 OF 4 PAGES

KLAM 437

Interstate PUMP COMPANY, INC.

503/882-3464 – 7209 SOUTH SIXTH STREET
KLAMATH FALLS, OREGON 97601

WELL TEST REPORT

For Carter Drilling and Pump Service

P.O. Box 46

Springfield, Oregon 97471

Date Tested April 29 thru 30, 19 76

Location of Well Crescent, Oregon End of Main

Inside Diameter 10 In. Depth 362 Ft.

205 Ft. Feet of 10 Inch Casing Driller Carter Drilling & Pump Service

350 Feet of 5 Inch Column and 9 Stage 8 Inch Bowls.

Installed by Lowell Talkington

Static Water Level at Start of Test 339 Ft.

	CAPACITY GPM	PUMPING LEVEL	DRAWDOWN	TIME	CONDITION OF WATER (SANDY, MUDDY, CLEAR, ETC.)
	April 29, 1976 Started test			4:45P	
	410	339 Ft.	0	5:15P	Clear
	400	"	"	6:00P	"
	400	"	"	7:00P	"
	360	"	"	8:00P	"
	Flushed back pump			8:45P	"
	420	"	"	9:15P	"
	410	"	"	10:15P	"
	400	"	"	11:15P	"
4-30-76	400	"	"	12:00A	"
	400	"	"	1:00A	"
	400	"	"	2:00A	"
	400	"	"	3:00A	"
	400	"	"	4:00A	"
	410	"	"	5:00A	"
	400	"	"	6:00A	"
	400	"	"	7:00A	"
	400	"	"	8:00A	"
	400	"	"	9:00A	"
	400	"	"	10:00A	"
	400	"	"	11:00A	"
	400	"	"	12:00P	" TEMPERATURE 46

Static Water Level After Pump Removed

REMARKS:

Signed by

Interstate PUMP COMPANY, INC.

503/882-3464 – 7209 SOUTH SIXTH STREET
KLAMATH FALLS, OREGON 97601

WELL TEST REPORT

For Carter Drilling And Pump Service

P.O. Box 46

Springfield, Oregon 97471

Date Tested April 29 thru 30, 1976

Location of Well Crescent, Oregon End of main

Inside Diameter 10 In. Depth 362 Ft.

205 Feet of 10 Inch Casing Driller Carter Drilling & Pump Service

350 Feet of 5 Inch Column and 9 Stage 6 Inch Bowls.

Installed by Lowell Talkington

Static Water Level at Start of Test 339 ft.

CAPACITY GPM	PUMPING LEVEL	DRAWDOWN	TIME	CONDITION OF WATER (SANDY, MUDDY, CLEAR, ETC.)
400	339 Ft.	0	1:00P	Clear
420	"	"	2:00P	"
450	"	"	2:15P	"
500	Gravel sucked into screen (Unstable gravel bottom)		2:30P	
475	339 Ft.	0	2:45P	Clear
450	"	"	3:00P	"
420	"	"	3:30P	"
420	"	"	4:00P	"
420	"	"	4:45P	"
			24 Hr. Total Well Test	

TEMPERATURE 46

Static Water Level After Pump Removed 339 Ft.

REMARKS: Good well but rocky bottom has tendiency to pull up gravel.

Signed by

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)

#2

State Well No.

State Permit No.

(1) OWNER:

Name Crescent Water Association

Address P. O. Box 123

Crescent, Oregon 97845

(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 ☐

(5) CASING INSTALLED:

Threaded ☐ Welded ☒

12" Diam. from +1 ft. to 113 ft. Gage .250

10" Diam. from 0 ft. to 202 ft. Gage .250

" 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? Interstate

Yield: 420 gal./min. with 0 ft. drawdown after 24 hrs.

" " " "

" " " "

Bailer test 28 gal./min. with 0 ft. drawdown after 1 hrs.

Artesian flow -- g.p.m. --

Temperature of water 54° Depth artesian flow encountered -- ft.

(9) CONSTRUCTION:

Well seal—Material used Portland Cement

Well sealed from land surface to 76 ft.

Diameter of well bore to bottom of seal 16 in.

Diameter of well bore below seal 15 in. to 113'-12" to 365'

Number of sacks of cement used in well seal 186 sacks

Number of sacks of bentonite used in well seal 2 sacks

Brand name of bentonite National

Number of pounds of bentonite per 100 gallons of water 133 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 Klamath Driller's well number 758 (22-C

¼ ¼ Section 30 T. 24S R. 9E W

Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 335

Static level 335 ft. below land surface. Date 4/27/

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 12

Depth drilled 365 ft. Depth of completed well 365

Formation: Describe color, texture, grain size and structure of materi and show thickness and nature of each stratum and aquifer penetrat with at least one entry for each change of formation. Report each change position of *Static Water Level and indicate principal water-bearing stra*

MATERIAL	From	To	SWL
Pumice	0	7	
Hard Boulders	7	18	
Red cinders-large brkn.lava rck	18	50	
Hard basalt-badly fractured	50	69	
Basalt boulders-Loose grey cinders	69	77	
Hard basalt-badly fractured	77	98	
Basalt boulders-Grey lava ash	98	111	
Hard basalt	111	124	
Red cinders	124	143	
Hard basalt - badly fractured	143	150	
Broken grey lava rock	150	196	
Hard black basalt	196	295	
Brown lava rock	295	317	
Hard black basalt	317	335	
Grey lava rock	335	363	
Loose grey cinders	363	365	

Work started 3/15 1974 Completed 4/27 197

Date well drilling machine moved off of well 4/28/ 197

Drilling Machine Operator's Certification:

This well was constructed under my direct supervisio Materials used and information reported above are true to m best knowledge and belief.

[Signed] [illegible] (Drilling Machine Operator) Date 5/25, 19

Drilling Machine Operator's License No. 717

Water Well Contractor's Certification:

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

Name Carter's Drilling & Pump Service (Person, firm or corporation) (Type or print)

Address P. O. Box 46 - Springfield, Oregon 97

[Signed] James D. Carter (Water Well Contractor)

Contractor's License No. 126 Date 5/25, 197

G 11975

Oregon

John A. Kitzhaber, MD, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

March 06, 2014

EDWIN HILDERBRAND
CRESCENT WATER SUPPLY & IMPROVEMENT DIST
PO BOX 247
CRESCENT OR 97733-0247

GW

The Department has accepted the pump test results for the following permitted well(s):

Water Right	Permitted Well	Tested Well	Test Date	Test Status	Exemption	Owner's Well Name
Permit: G 11990 *	KLAM 437	KLAM 437	01/17/2014	Approved	None	WELL 2

Please contact me if you have any questions.

Sincerely,

Karl Wozniak
Ground Water/Hydrology Section

cc: GW Pump Test File

9-16975

PO Box 247
Crescent, OR 97733
September 17,2008

Bill Fujii
Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301-0900

Dear Bill,

Enclosed is a video of Crescent Water Association that shows well #1 and aquifer. Windows Media player will play the video.

I have also enclosed my response to Klamath County Planning Commission of OWRD Initial Review to Crescent Creek Resort Master Plan. The resort is 1 mile east of Crescent. I called the water master in Bend this last March after measuring the static water level. His response to me was it is a "Normal change in static water level". The record shows since 1962 when Water Resources measured quarterly that the static level change was only a few inches!

Please review our information and the video. Maybe you can give us your take on why OWRD has a large allowable decline in the aquifer.

Looking forward to your reply.

David Crider
Operator
Crescent Water Association

Application G 11975
Permit G 11990
Well Log ID 436

Klamath County Planning Department
Klamath County Government Center
305 Main Street
Klamath Falls, Oregon 97601

RECEIVED

SEP 19 2008

WATER RESOURCES DEPT
SALEM, OREGON

Public Hearing: Crescent Creek Master Development Plan

File No: DRO 1-08 (Crescent Creek Master Plan)

Enclosed is a video of Crescent Water Association well #1 it shows the well and the aquifer. I feel pictures of the well and aquifer will help the Klamath County Planning Commission address my stated concerns.

Crescent Water Association has three wells in Crescent. The aquifer for each: well #1 is 10' to 22' deep; well #2 is 22' to 30'deep; and well #3 is 26' to 31' deep. Allowing for 9' the size of the pump & motor in each well the useable aquifer in each: well #1 is from 1' to 7'; well #2 is from 20' to 30'; and well #3 is from 16' to 21'. The aquifer as shown in the video for all three wells is broken basalt. Reading Exhibit 1 OWRD Initial Review, I have concerns on page 4 of reduce rate of withdrawal:

A. the decline of 3' in a year
B. the decline of 15' or more in fewer than five consecutive years
C. & D. Hydraulic interference leads to a decline of 25' in neighboring well with senior priority.

The aquifer in Crescent would not be useable if decline of more than 1' in well #1 and a decline of 25' the town would have no water.

I have provided Ron Hand and Nancy Craven each, a copy of this video. All parties can work together to address the above concerns.

In closing I want to welcome the Crescent Creek Planned Development to my neighborhood and ask the Klamath County Planning Commission to address my concerns and approve the Crescent Creek Master Development Plan.

Thank you for this opportunity to provide this additional input.

David Crider

David Crider
143950 Hwy97 North
Gilchrist, OR 97737

MEMORANDUM

TO: DOUG WOODCOCK, GROUND WATER SECTION MANAGER

FROM: GERRY CLARK, CERTIFICATE SECTION

SUBJECT: PUMP TEST – APPLICATION G-11975, PERMIT G-11990

DATE: FRIDAY, SEPTEMBER 19, 2008

The attached pump test is being forwarded for your review.

CWA Well #1	Drilled 334' deep in broken basalt Static Water 312' to 324' Aquifer is: 10' to 22' deep Pump & Motor is 9' Set 1' from bottom Have anywhere from 7' to 1' of useable aquifer
CWA Well #2	Drilled 365' deep into broken basalt Static Water 335' to 344' Aquifer is: 30' to 31' deep Pump & Motor is 9' Set 1' from the bottom Have anywhere from 11' to 12' of useable aquifer
CWA/USDA Well #3	Drilled 296' deep in broken basalt Static Water 265' to 270' Aquifer is: 16' to 24' Pump & Motor is 9' Set 1' from bottom Have anywhere from 6' to 14' of useable aquifer and limit of 120gpm present head. (Pump to waste is 300gpm)

	#1	#2	#3
March 2008 static water level:	324'	344'	268'
September 2, 2008 " " "	317'	343.5'	266'

To Gerry Clark

It was Nice Talking To You.

Enclosed is well #2 pump test

well #3 has Two well logs Klam 458
Klam 10261

well #2 log is Enclosed.

look Fowards To working with you.

David Cinder
OPERATOR

1 of 4 pages

Interstate PUMP COMPANY, INC.

503/882-3464 — 7209 SOUTH SIXTH STREET
KLAMATH FALLS, OREGON 97601

WELL TEST REPORT

For Carter Drilling and Pump Service

P.O. Box 46

Springfield, Oregon 97471

Date Tested April 29 thru 30 19 76

Location of Well Crescent, Oregon End of Main

Inside Diameter 10 In. Depth 362 Ft.

205 Ft. Feet of 10 Inch Casing. Driller Carter Drilling & Pump Service

350 Feet of 5 Inch Column and 9 Stage 8 Inch Bowls.

Installed by Lowell Talkington

Static Water Level at Start of Test 339 Ft.

	CAPACITY GPM	PUMPING LEVEL	DRAWDOWN	TIME	CONDITION OF WATER (SANDY, MUDDY, CLEAR, ETC.)
	April 29, 1976 Started test			4:45P	
	410	339 Ft.	0	5:15P	Clear
	400	"	"	6:00P	"
	400	"	"	7:00P	"
	360	"	"	8:00P	"
	Flushed back pump			8:45P	"
	420	"	"	9:15P	"
	410	"	"	10:15P	"
	400	"	"	11:15P	"
4-30-76	400	"	"	12:00A	"
	400	"	"	1:00A	"
	400	"	"	2:00A	"
	400	"	"	3:00A	"
	400	"	"	4:00A	"
	410	"	"	5:00A	"
	400	"	"	6:00A	"
	400	"	"	7:00A	"
	400	"	"	8:00A	"
	400	"	"	9:00A	"
	400	"	"	10:00A	"
	400	"	"	11:00A	"
	400	"	"	12:00P	" TEMPERATURE 46

Static Water Level After Pump Removed

REMARKS:

Signed by

WELL TEST REPORT

Interstate PUMP COMPANY, INC.
503/882-3464 — 7209 SOUTH SIXTH STREET
KLAMATH FALLS, OREGON 97601

For Carter Drilling And Pump Service

P.O. Box 46

Springfield, Oregon 97471

Date Tested April 29 thru 30, 1976

Location of Well Crescent, Oregon End of Main

Inside Diameter 10 In. Depth 362 Ft.

205 Feet of 10 Inch Casing Driller Carter Drilling & Pump Service

350 Feet of 5 Inch Column and 9 Stage 6 Inch Bowls.

Installed by Lowell Talkington

Static Water Level at Start of Test 339 ft.

CAPACITY GPM	PUMPING LEVEL	DRAWDOWN	TIME	CONDITION OF WATER (SANDY, MUDDY, CLEAR, ETC.)
400	339 Ft.	0	1:00P	Clear
420	"	"	2:00P	"
450	"	"	2:15P	"
500	Gravel sucked into screen (Unstable gravel bottom)		2:30P	
475	339 Ft.	0	2:45P	Clear
450	"	"	3:00P	"
420	"	"	3:30P	"
420	"	"	4:00P	"
420	"	"	4:45P	"
			24 Hr. Total Well Test	
				TEMPERATURE 46

Static Water Level After Pump Removed 339 Ft.

REMARKS: Good well but rocky bottom has tendiancy to pull up gravel.

Signed by

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)

#2

State Well No. .....

State Permit No. .....

(1) OWNER:

Name Crescent Water Association

Address P. O. Box 123

Crescent, Oregon 97745

(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 ☐

(5) CASING INSTALLED: Threaded ☐ Welded ☒

12 " Diam. from +1 ft. to 113 ft. Gage .250

10 " Diam. from 0 ft. to 202 ft. Gage .250

" 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? Interstate

Yield: 420 gal./min. with 0 ft. drawdown after 24 hrs.

" " " "

" " " "

Bailer test 28 gal./min. with 0 ft. drawdown after 1 hrs.

Artesian flow -- g.p.m. --

Temperature of water 54° Depth artesian flow encountered -- ft.

(9) CONSTRUCTION:

Well seal—Material used Portland Cement

Well sealed from land surface to 76 ft.

Diameter of well bore to bottom of seal 16 in.

Diameter of well bore below seal 15 in. to 113'-12" to 365'

Number of sacks of cement used in well seal 186 sacks

Number of sacks of bentonite used in well seal 2 sacks

Brand name of bentonite National

Number of pounds of bentonite per 100 gallons of water 133 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 Klamath Driller's well number 758 (22-C

¼ ¼ Section 30 T. 24S R. 9E W

Bearing and distance from section or subdivision corner .....

(11) WATER LEVEL: Completed well.

Depth at which water was first found 335

Static level 335 ft. below land surface. Date 4/27/

Artesian pressure ..... lbs. per square inch. Date .....

(12) WELL LOG: Diameter of well below casing 12

Depth drilled 365 ft. Depth of completed well 365

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
Pumice	0	7	
Hard Boulders	7	18	
Red cinders-large brkn.lava rock	18	50	
Hard basalt-badly fractured	50	69	
Basalt boulders-Loose grey cinders	69	77	
Hard basalt-badly fractured	77	98	
Basalt boulders-Grey lava ash	98	111	
Hard basalt	111	124	
Red cinders	124	143	
Hard basalt - badly fractured	143	150	
Broken grey lava rock	150	196	
Hard black basalt	196	295	
Brown lava rock	295	317	
Hard black basalt	317	335	
Grey lava rock	335	363	
Loose grey cinders	363	365	

Work started 3/15 19 74 Completed 4/27 19 74

Date well drilling machine moved off of well 4/28/ 19 74

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] Arthur M. Carter (Drilling Machine Operator) Date 5/25, 19 74

Drilling Machine Operator's License No. 717

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 Carter's Drilling & Pump Service (Person, firm or corporation) (Type or print)

Address P. O. Box 46 - Springfield, Oregon 97

[Signed] James D. Carter (Water Well Contractor)

Contractor's License No. 126 Date 5/25, 19 74

Township	Range	Section	1/4 1/4 Section	Tax Lot No.	Use	Use or Acres to be Irrigated
24S	9E	30	NW of NE		Quasi Municipal	
			SW of NE		"	
			NE of NE		"	
			SE of NE		"	
			NW of SE		"	
			NW of SW		"	
			NE of SW		"	
			SE of SW		"	
			SW of SW		"	
			SW of NW		"	
			SE of NW		"	
24S	9E	31	NW of NW		"	
			SW of NW		"	
24S	8E	36	SE of NE		"	
			NE of SE		"	
			NW of SE		"	
			SW of SE		"	
			SE of SE		"	
25S	8E	1	NE of NE		"	
			NW of NE		"	
24S	8E	25	NW of NE		"	
			SE of NE		"	
			SW of NE		"	
			SE of NW		"	
			NE of SW		"	
			NW of SW		"	
			SW of SW		"	
			SE of SW		"	
			NW of SE		"	
			NE of SE		"	
			SW of SE		"	

TO: Water Rights Section

8/24/93, 1993

FROM: Groundwater/Hydrology Section Ma

SUBJECT: Application G- G-11975

Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE ## G-11975

ROUTED TO: Tom Schaak

TOWNSHIP/
RANGE-SECTION: 24S/9E-30
25S/9E-1

CONDITIONS ATTACHED? [X] yes [ ] no

REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: Marc A Norton

1. PER THE _____ Basin rules, one
feet/mile of a surface water source (_____
connected to the surface water.

2. BASED UPON OAR 690-09 currently in effe
a. ___ will, or have the potential for su
b. X will not source, namely Lith
c. ___ will, if properly conditioned, adequatel
i. ___ The permit should contain cond
ii. ___ The permit should contain speci
iii. ___ The permit should be conditione
d. ___ will, with well reconstruction, adequate

3. BASED UPON available data, I have determi
a. ___ will, or likely be available in the
b. ___ will not within the capacity of th
c. X can, if properly conditioned, avoid inju
i. ___ The permit should contain cond
ii. ___ The permit should contain speci[illegible]
iii. ___ The permit should be conditioned as indicated in item 4 below.

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.

G-11975

REMARKS: _____

app: G-11975

USER-ID 28155

Oregon Water Resources Department
October 1999 through September 2000
Annual Water Use - Monthly Quantities Form

1999 2000

WRD

RECEIVED
NOV 29 2000
WATER RESOURCES DEPT.
SALEM, OREGON

Facility ☞ POD-ID ✏	Pump # 1 36638 QM	Pump # 2 36639 QM	Pump # 3 36640 QM		
October - 1999	1275000 G	1766000 G	1235500 G		
November - 1999	768000 G	887800 G	732900 G		
December - 1999	126000 G	140900 G	2540500 G		
January - 2000	22085100 G	884000 G	2233100 G		
February - 2000	79213900 G	1031900 G	2657400 G		
March - 2000	90000 G	643400 G	2889300 G		
April - 2000	931000 G	92800 G	2981500 G		
May - 2000	1153000 G	1550700 G	1286500 G		
June - 2000	2241000 G	3685100 G	1666800 G		
July - 2000	2219000 G	80927500 G	1633800 G		
August - 2000	3025000 G	28573100 G	2630400 G		
September - 2000	2128000 G	2444400 G	1436200 G		
TOTAL *	115255000 G	122627600 G	23923900 G		

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: Flow Meters. If use is irrigation, total number acres irrigated _____

I certify this information is true and accurate to the best of my knowledge.

David G. Crider — Signature
Operator — Title
Crescent Water Association — Reporting Entity
11/27/2000 — Date

David G. Crider
Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;
158 12th Street NE; Salem, OR 97310-0210

OREGON WATER RESOURCES DEPARTMENT SUMMARY OF WATER RIGHTS FOR WATER USE REPORT

USER_ID: 28155

Reporting Entity

CRESCENT WATER ASSOCIATION
PO BOX 247
CRESCENT , OR 97733-0247 PHONE: 541-433-2989

POD_ID	FACILITY	CERT	PERMIT	APPLN	L/S	PRIORITY	TWP	T	RGE	R	SEC	Q/Q	USE	RATE	U	P/A/S	SOURCE	TRIBUTARYTO
36638		0	G 11990	G 11975	L	10/19/1989	24.00	S	9.00	E	30	SWNE	QM	1.800	C	P	WELL 1	L DESCHUTES R
36639		0	G 11990	G 11975	L	10/19/1989	24.00	S	9.00	E	30	SENE	QM	1.800	C	A	WELL 2	L DESCHUTES R
36640		0	G 11990	G 11975	L	10/19/1989	25.00	S	8.00	E	1	NENE	QM	1.800	C	A	WELL 3	L DESCHUTES R

G 11975

2000 2001

Oregon Water Resources Department
October 2000 through September 2001
Annual Water Use - Monthly Quantities Form

USER-ID 28155

Facility ☞ POD-ID ✏	Pump #1 36638 QM	Pump #2 36639 QM	Pump #3 36640 QM		
October - 2000	2128000	2444400	1436200		
November - 2000	1548000	1774200	388700		
December - 2000	1011000	1148900	121800		
January - 2001	1451000	1637400	638500		
February - 2001	1280000	1460300	347100		
March - 2001	1304000	1547700	94100		
April - 2001	1570000	1959100	218500		
May - 2001	1740000	2163600	266800		
June - 2001	1991000	3300100	416800		
July - 2001	1922000	4399900	271200		
August - 2001	2747000	6084100	390400		
September - 2001	2316000	4057100	367000		
TOTAL * Gallons	21008000 G	28976800 G	4957100 G		

RECEIVED
JAN 22 2002
WATER RESOURCES DEPT.
SALEM, OREGON

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: Water Meter. If use is irrigation, total number acres irrigated _____

I certify this information is true and accurate to the best of my knowledge.

David L. Crider	Operator	Crescent Water Association	1/16/2002
Signature	Title	Reporting Entity	Date

ADD-G 11975

USER-ID 28155

2002

Oregon Water Resources Department
October 2002 through September 2003
Annual Water Use - Monthly Quantities Form

2003

WRD

	Pump #1	Pump #2	Pump #3		
24S 9E 30	36638	36639	36640		
25S 8E 1	Ø	431200	2010800		
	367000	709500	975100		
	Ø	2298500	Ø		
	Ø	1939000	Ø		
	Ø	1709300	Ø		
March - 2003	Ø	2499000	Ø		
April - 2003	Ø	896900	Ø		
May - 2003	576000	3776300	1568100		
June - 2003	1854000	5924400	2079300		
July - 2003	Ø	4293600	2530300		
August - 2003	2182000	1459700	2331700		
September - 2003	1123000	540100	3323800		
TOTAL * G	6102000	26477500	14819100		

RECEIVED
JAN 08 2004
WATER RESOURCES DEPT
SALEM, OREGON

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: FLOW METER. If use is irrigation, total number acres irrigated ____

I certify this information is true and accurate to the best of my knowledge.

David G. Crider — Signature
OPERATOR — Title
Crescent Water Association — Reporting Entity
1-7-2004 — Date

DAVID G. CRIDER
Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;
725 Summer Street NE, Suite A; Salem, OR 97301-1271

USER-ID 28155

2003 2004

Oregon Water Resources Department
October 2003 through September 2004
Annual Water Use - Monthly Quantities Form

Facility ☞ POD-ID ✏	Pump#1 36638	Pump#2 36639	Pump#3 36640		
October - 2003	4123000	1459700	1948500		
November - 2003	0	540100	1375300		
December - 2003	34000	2613000	16800		
January - 2004	0	1750100	130800		
February - 2004	729000	1858900	Ø		
March - 2004	909000	1008800	Ø		
April - 2004	1045000	1183400	Ø		
May - 2004	1159000	1360400	Ø		
June - 2004	781000	2156500	Ø		
July - 2004	1854000	3776300	2079300		
August - 2004	Ø	5924400	2530300		
September - 2004	2182000	4293600	2331700		
TOTAL *	12816000	25605200	10412700		

RECEIVED
DEC 06 2004
WATER RESOURCES DEPT
SALEM, OREGON

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: Flow meter. If use is irrigation, total number acres irrigated _____
I certify this information is true and accurate to the best of my knowledge.

Kenneth S Curban — Signature
Sec/Tres — Title
Crescent Water Association — Reporting Entity
12-2-04 — Date

KENNETH S. CURBAN
Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;
725 Summer Street NE; Suite A, Salem OR 97301-1271, or Fax 503-986-0902.

OREGON WATER RESOURCES DEPARTMENT SUMMARY OF WATER RIGHTS FOR WATER USE REPORT

Dear Water User: Water year 2004 has ended! All water use reports for October 2003 to September 2004 are requested to be submitted. During the past year we transferred our data to a new computer system, and have developed a website from which you may submit your data, if you so choose. In some cases the references numbers for points of diversion may have been changed. If this creates a problem for you, please contact me. If you would like to use the new site go to the web address listed below. You will not need to mail in this completed form. This information is important for water management in Oregon. Please, complete the form on the reverse side for the water rights listed below by December 31, 2004. If you have questions, or need more time please, contact me at 503-986-0833. Thank you for your attention to this matter. Mary Grainey

DAVID CRIDER OPERATOR/SECRETARY http://www.wrd.state.or.us

CRESCENT WATER ASSOCIATION

PO BOX 247

CRESCENT OR 97733-0247

User-ID 28155

Password: 28155

POD-ID	FACILITY	CERT	PERMIT	APPL	PRIORITY	USE	L/S	TWP	RANGE	SEC	Q/Q	RATE	SOURCE	TRIBUTARY TO
36638	PUMP #1	0 G	11990	G 11975	10/19/1989	QM	L	24 S	9 E	30	SWNE	1.8 C	P WELL 1	L DESCHUTES R
36639	PUMP #2	0 G	11990	G 11975	10/19/1989	QM	L	24 S	9 E	30	SENE	1.8 C	A WELL 2	L DESCHUTES R
36640	PUMP #3	0 G	11990	G 11975	10/19/1989	QM	L	25 S	8 E	1	NENE	1.8 C	A WELL 3	L DESCHUTES R

USER-ID 28155

Crescent Water Association
PO Box 247
Crescent, OR 97733

Phone Number 541-433-2989
Fax Number 541-433-2989

Web Address
Email

FAX TRANSMITTAL FORM

To: Gary L. Ball
Name:
CC:
Phone: 503-986-0831
Fax: 503-986-0902

From: Karen
Date Sent: 11/01/2005
Re: User-ID 28155
Number of Pages: 5

Message: Gary, I am faxing you Crescent Water's Annual Water Use. I tried going on-line, but I couldn't enter any amounts. If you have further questions, please call me at 541-433-2989. Thank You, Karen Poncil

App G 11975

USER-ID 28155

2004

Oregon Water Resources Department
October 2004 through September 2005
Annual Water Use - Monthly Quantities Form

2005

Facility ☞ POD-ID ✏	Pump #1	Pump #2	Pump #3		
October - 2004	13200	849800	1913700		
November - 2004	760000	1749400	Ø		
December - 2004	287000	623500	527800		
January - 2005	Ø	1580300	Ø		
February - 2005	1000	2352500	914700		
March - 2005	1000	2352500	914700		
April - 2005	Ø	44900	292900		
May - 2005	654000	1608400	437700		
June - 2005	0	4315700	124200		
July - 2005	3929000	4874600	1879700		
August - 2005	1936000	2230400	4001000		
September - 2005	548000	912700	4382700		
TOTAL *Gallons					

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: flow meters. If use is irrigation, total number acres irrigated _____

I certify this information is true and accurate to the best of my knowledge.

Karen Ishida Poncil — office manager — crescent water — 11/01/2005

Signature — Title — Reporting Entity — Date

Karen Ishida-Poncil

Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program; 725 Summer Street NE; Suite A, Salem, OR 97301-1271, or Fax 503-986-0902.

Crescent Water Association

Usage Report

From: 11/01/2004 Through: 10/03/2005
Sorted By: Account Number
For 0001

Service ID	Account No.	Name	Service Address	Route
0001	0001	PUMP # 1	WELL HOUSE # 1	01

	Service	Tran Date	Measure	Actual Usage	Adj Usage	Billed Usage	Charges
5/8" METER	WATER	11/01/2004	Gallons	132000.	0.	0.	0.00
5/8" METER	WATER	12/01/2004	Gallons	760000.	0.	0.	0.00
5/8" METER	WATER	12/28/2004	Gallons	287000.	0.	0.	0.00
5/8" METER	WATER	01/31/2005	Gallons	0.	0.	0.	0.00
5/8" METER	WATER	03/01/2005	Gallons	1000.	0.	0.	0.00
5/8" METER	WATER	04/01/2005	Gallons	1000.	0.	0.	0.00
5/8" METER	WATER	04/28/2005	Gallons	0.	0.	0.	0.00
5/8" METER	WATER	06/01/2005	Gallons	654000.	0.	0.	0.00
5/8" METER	WATER	07/01/2005	Gallons	0.	0.	0.	0.00
5/8" METER	WATER	07/31/2005	Gallons	3929000.	0.	0.	0.00
5/8" METER	WATER	09/01/2005	Gallons	1936000.	0.	0.	0.00
5/8" METER	WATER	10/03/2005	Gallons	548000.	0.	0.	0.00
Grand Totals	WATER	/ /	Gallons	8248000.	0.	0.	0.00

Crescent Water Association

Usage Report

From: 11/01/2004 Through: 10/03/2005
Sorted By: Account Number
For 0002

Service ID	Account No.	Name		Service Address		Route	
	Service	Tran Date	Measure	Actual Usage	Adj Usage	Billed Usage	Charges
0002	0002	PUMP # 2		WELL HOUSE # 2		01	
5/8" METER	WATER	11/01/2004	Gallons	849800.	0.	0.	0.00
5/8" METER	WATER	12/01/2004	Gallons	1749400.	0.	0.	0.00
5/8" METER	WATER	12/28/2004	Gallons	623500.	0.	0.	0.00
5/8" METER	WATER	01/31/2005	Gallons	1580300.	0.	0.	0.00
5/8" METER	WATER	03/01/2005	Gallons	2352500.	0.	0.	0.00
5/8" METER	WATER	04/01/2005	Gallons	2352500.	0.	0.	0.00
5/8" METER	WATER	04/28/2005	Gallons	44900.	0.	0.	0.00
5/8" METER	WATER	06/01/2005	Gallons	1608400.	0.	0.	0.00
5/8" METER	WATER	07/01/2005	Gallons	4315700.	0.	0.	0.00
5/8" METER	WATER	07/31/2005	Gallons	4874600.	0.	0.	0.00
5/8" METER	WATER	09/01/2005	Gallons	2230400.	0.	0.	0.00
5/8" METER	WATER	10/03/2005	Gallons	912700.	0.	0.	0.00
Grand Totals							
	WATER	/ /	Gallons	23494700.	0.	0.	0.00

Crescent Water Association

Usage Report

From: 11/01/2004 Through: 10/03/2005
Sorted By: Account Number
For 0003

Service ID	Account No.	Name		Service Address		Route	
	Service	Tran Date	Measure	Actual Usage	Adj Usage	Billed Usage	Charges
0003	0003	PUMP # 3		WELL HOUSE # 3		01	
5/8" METER	WATER	11/01/2004	Gallons	1913700.	0.	0.	0.00
5/8" METER	WATER	12/01/2004	Gallons	0.	0.	0.	0.00
5/8" METER	WATER	12/28/2004	Gallons	527800.	0.	0.	0.00
5/8" METER	WATER	01/31/2005	Gallons	0.	0.	0.	0.00
5/8" METER	WATER	03/01/2005	Gallons	914700.	0.	0.	0.00
5/8" METER	WATER	04/01/2005	Gallons	914700.	0.	0.	0.00
5/8" METER	WATER	04/28/2005	Gallons	292900.	0.	0.	0.00
5/8" METER	WATER	06/01/2005	Gallons	437700.	0.	0.	0.00
5/8" METER	WATER	07/01/2005	Gallons	124200.	0.	0.	0.00
5/8" METER	WATER	07/31/2005	Gallons	1879700.	0.	0.	0.00
5/8" METER	WATER	09/01/2005	Gallons	4001000.	0.	0.	0.00
5/8" METER	WATER	10/03/2005	Gallons	4382700.	0.	0.	0.00
Grand Totals	WATER	/ /	Gallons	15389100.	0.	0.	0.00

NEIL GOLDSCHMIDT
GOVERNOR

Water Resources Department

3850 PORTLAND ROAD NE, SALEM, OREGON 97310 PHONE 378-3066

October 16, 1989

Crescent Water Association
P.O. Box 123
Crescent, OR 97733

Your application describing the proposed use of unspecified amounts of water from three wells for quasi municipal use does not contain sufficient information, so could not be filed. The application, map, copies of the three water well reports, Exhibit "D" and your check 3421 in the amount of $340 are enclosed.

The "amount of water" section on the first page of the application needs to be completed by stating the amount of water in a rate of flow that you wish to beneficially use from each well. Also, Item 3 on the second page needs to be completed by listing all the quarter-quarter sections within the proposed service area.

The present population to be served, and as near as may be, the future requirements of the community needs to be noted. This information may be supplied in the Comments section of the application. A brief explanation of the number and types of commercial and/or industrial should also be noted.

The requested information needs to be given in the items on the application when there is sufficient space. If there is insufficient space, you may refer to an exhibit, such as the Exhibit "D" submitted. The map and water well reports are considered separate documents to support the application and should not be submitted to take the place of the information to be supplied on the application.

Since you may supply additional users in the future, you should note on the third page of the application, the intended date of when the water system will be completed for all intended users. Also, you need to note the date when the rates of flow of water you wish to appropriated will be beneficially used for the first time.

The supporting map will need to be further completed by designating the service area boundary.

The proposed water development project described in the application is located upstream from a state scenic waterway and is also within an area where there are certain restrictions on

the use of surface waters. Therefore, before the application can be considered for approval, the degree of connection between waters in the wells and surface waters of the Deschutes River basin will need to be determined.

A recent Oregon Supreme Court decision (Diack) requires the Water Resources Commission to make certain findings about applications within or upstream from state scenic waterways.

The Commission has directed the Department to postpone further processing of applications in these locations until the stream flows necessary for recreation and fish and wildlife uses within the scenic waterway have been determined. We are working with State Parks Division, Departments of Fish & Wildlife, and Environmental Quality to make these determinations as quickly as possible.

We expect the scenic waterway flows will be determined by June of 1990_for your area.

Even though your development is above a scenic waterway, we will process your application in the normal manner if it fits any one of the criteria listed below:

A. You propose to use groundwater that is not hydraulically connected to the stream located within or tributary to the state scenic waterway. Usually this means that your wells will need to be at least one mile away from the nearest stream.

B. Your proposed use of water is non-consumptive. It would pass through your project and return in equal amounts at a location upstream from the scenic waterway.

C. You propose to contract for stored water as either your primary or supplemental source of supply and the owner of the stored water is willing to give you a contract.

D. You propose to transfer an existing water right certificate by moving either the point of diversion or the place of use. You believe that such move will not change the amount of water in the stream from your current practices.

If your project does not fit into one of the above categories (A-D), you may want to modify it so that it does. Submit those modifications to us. If you can not modify your application to fit one of the above categories, you may want to consider one of the options below:

1. File the application with us to hold a tentative priority date. After the flows are quantified, we will resume processing your application. If it turns out that not enough water is available to meet the recreational demands for the scenic waterway, we may have to deny your request. The examination fees will not be refunded, but any recording fees you submitted will be refunded.

2. Delay the filing of your application. If after flows needed for the scenic waterway are quantified you believe that there is enough water left for your proposed use, file a new application with the appropriate fees to establish a new priority date. Your new application will then be processed using more definite information regarding the availability of water for your proposed use.

3. Conduct sufficient flow studies of your own using methods approved by Parks Division and Fish & Wildlife. Then, submit information demonstrating that your proposed use of water will not impair the flows needed for the scenic waterway.

We advise you to avoid committing any resources toward your project on the assumption that your permit will be issued. Use of water cannot legally be made without the permit and the outcome of the scenic waterway study is not predictable at this time. Some streams are likely to have no water available except during high flow periods. It is possible that there will not be enough water left for your proposal after the studies are done.

If you should have any questions, please call or write and advise me of a telephone number and time you can be reached.

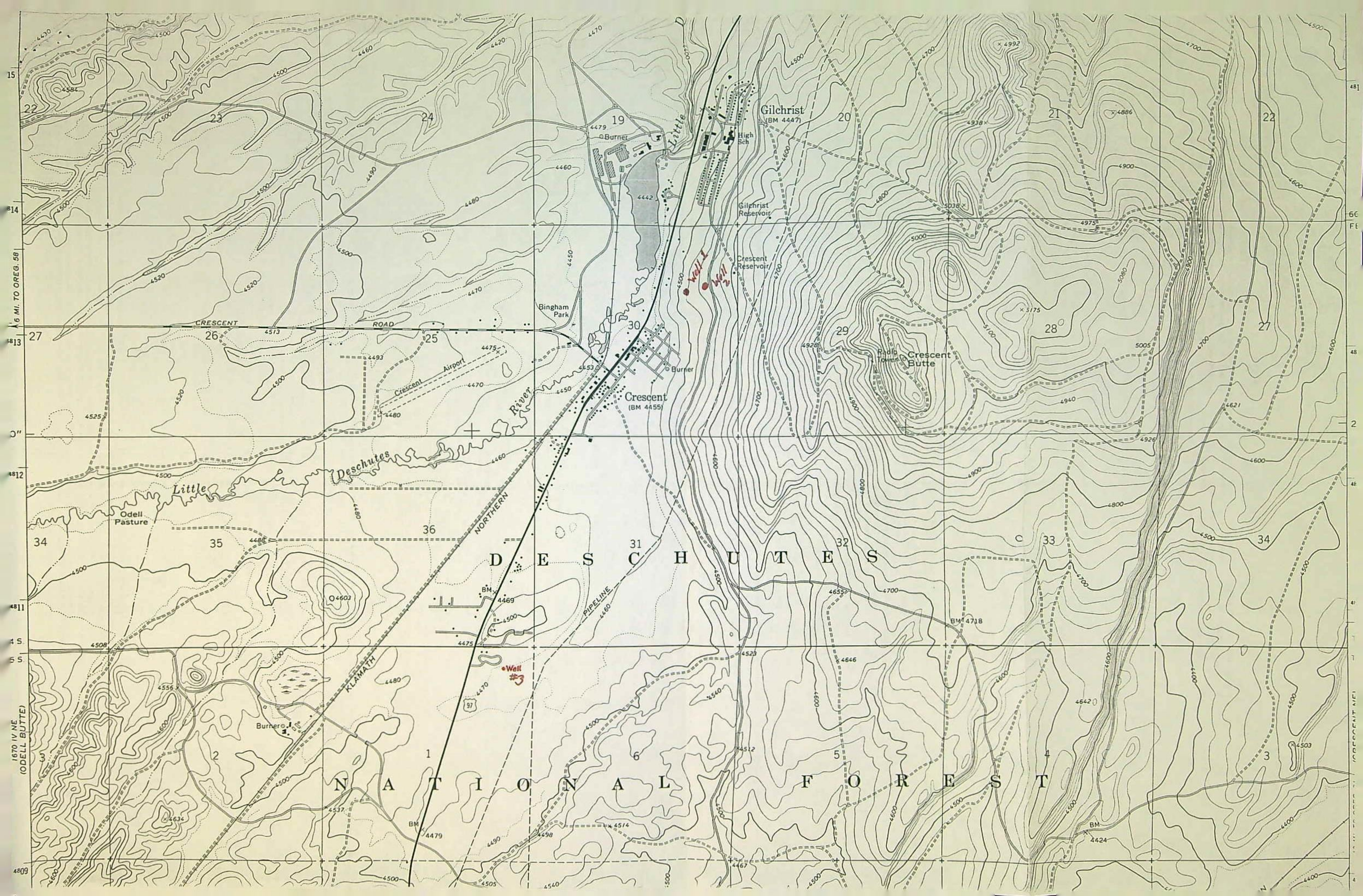
Sincerely,

WAYNE J. OVERCASH
Water Rights Specialist

Enclosures

WJO

cc: Century West Engineering


Gilchrist
(BM 4447)
High Sch
Gilchrist Reservoir
Crescent Reservoir
Well 1
Well 2
Little
Deschutes
River
Bingham Park
Burner
Crescent
(BM 4455)
CRESCENT ROAD
Crescent Airport
Radio Tower
Crescent Butte
Odell Pasture
NORTHERN
KLAMATH
PIPELINE
Well #3
97
DESCHUTES
NATIONAL FOREST
BM 4718
BM 4424
BM 4479
BM 4469
6 MI. TO OREG. 58
1670 IV NE (ODELL BUTTE)

CENTURY WEST
ENGINEERING CORPORATION

LEADING THROUGH EFFECTIVE SOLUTIONS

G11975

LETTER OF TRANSMITTAL

September 27, 1999

Steve Brown
Oregon Water Resources Department
158 12th Street NE
Salem, OR 97310

Project #: 10168.012.01
Re: Crescent Water Association Permit No. G-11990

We are sending the following items via: mail
(If enclosures are not as noted, please contact us.)

Item	# Copies	Date/No.	Description
1	1	9/27/99	Claim of Beneficial Use and Site Report
2	1	9/27/99	Final Water Rights Proof Survey
3			

Comments:

Signed: Steve Liska

RECEIVED
SEP 29 1999
WATER RESOURCES DEPT.
SALEM, OREGON

549 SW Mill View Way Bend, OR 97702
Phone: (541) 388-3500 Fax: (541) 388-5062

Date: Fri, 24 Sep 1999 09:32:53 -0700 (PDT)
X-Sender: millerds@mailhub.wrd.state.or.us
X-Mailer: Windows Eudora Light Version 1.5.4 (16)
To: Stephen.C.BROWN@wrd.state.or.us
From: Steve Liska <SLiska@centurywest.com> (by way of Dallas Miller <Dallas.S.MILLER@wrd.state.or.us>)
Subject: Final Proof Survey and Site Report for Crescent Water Association Permit NO. G-11990
X-MIME-Autoconverted: from quoted-printable to 8bit by powder.wrd.state.or.us id JAA16474

Dear Mr. Miller -

I am the CWRE working on final Water Rights proof for Crescent Water Association (G-11990). This is a Quasi Municipal Use. Since the original water rights permit was issued, the Water Association has added some area into its "service area". A portion of this area falls outside the 1/16 sections described in the issued permit.

1) Do they need to file for a new permit for those areas?

2) Should I show their "service area" outside the limits of the permit area on their final map?

3) In several instances the written permit describes only a particular 1/16 or ¼ section as a proposed place of use, whereas the map previously submitted for the proposed water right showed only a portion of that respective 1/16 or ¼ section as the proposed place of use. Can the Association expand their service into the remainder of those certain areas listed in the written permit, even though they are beyond the service lines shown on the map submitted for the permit? I guess what I am asking is, does the written permit description of place of use govern, or does the map, since the written permit only describes aliquot section portions and not specific acreage?

Steve Liska
Century West Engineering
549 SW Mill View Way
Bend, Or 97702
(541)388-3500

9 AM 9/22/99

I found this file 9/28 + its too late to send Cwre rem. Ltr.

gh

According to Michelles DB these people were sent the 9/17 Letter.

gh

File
G11975

Oregon
John A. Kitzhaber, M.D., Governor

Water Resources Department
Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

December 7, 1998

CRESCENT WATER ASSN
PO BOX 247
CRESCENT OR 97733-0247

REFERENCE: File G-11975

The date for the complete application of water to a beneficial use for your water use Permit G-11990 was **October 1, 1998.** To date we have not received notice that your project was completed.

If the project was completed, you should promptly submit the notice of complete application of water. If you were unable to complete the project within the time allowed, you may wish to request an extension of the time limits.

Water Right Certificate
In order to obtain a certificate of water right, you are required by law to hire a certified water right examiner to conduct the final proof survey of the completed use. This must be done within one year after the use is reported as being complete or within one year after the beneficial use date allowed in the permit, whichever occurs first. Accordingly, the map and claim of beneficial use must be received in this office on or before **October 1, 1999.** A list of certified water right examiners is enclosed for your information.

Upon receipt of the map and claim of beneficial use, the information will be reviewed and a brief field inspection may be conducted by a representative of this office. Following that, a proposed certificate of water right will be mailed to you for review.

Extension of Time
If you wish to apply for an extension of time, please fill out the enclosed form. Permit extension rules, adopted by the Water Resources Commission in October 1998, require that the Department consider this information when determining whether or not to approve an extension request. You should request to extend your permit for the amount of time necessary to fully complete your project and put the water to beneficial use. Should the permit extension be approved, it is the Department's expectation that it will be the last extension granted. Copies of the new extension rules will be furnished upon request.

If you are no longer interested in the project, please let us know. We will provide forms for you to authorize the cancellation of the permit.

If you have any questions, please contact me at extension 272, at 503-378-3739, or toll-free 1-800-624-3199.

Sincerely,

DALLAS S. MILLER
Water Rights Specialist

DSM:jh

enclosure

cc: Del Sparks, Watermaster
Douglas McMullen, CWRE

Eileen R Darlene Castle
G 7 1975

Oregon

WATER
RESOURCES
DEPARTMENT

October 20, 1997

David Crider
Crescent Water Association
P.O. Box 247
Crescent, OR 97733-0247

Water Right Permit # G-11990

Dear Mr. Crider:

We have received your "Request for Extension" request form for your Water Management and Conservation Plan. Because you are such a small community with limited staff and resources available to prepare your required Water Management and Conservation Plan, we are extending your plan's new submittal due date until May 15, 1998.

As you continue plan preparation, please keep in touch with me as I will be coordinating the Department's review. I can help you ensure that the plan meets the goals and requirements of the rules adopted by the Water Resources Commission.

I am so glad you were able to attend our workshop and enjoyed meeting you. Thanks again for your commitment to our program and your willingness to work with the Department. Please do not hesitate to call me at 800-624-3199, ext. 241 if you have any questions and I look forward to working with you.

Sincerely,

Rebecca Geisen

Rebecca Geisen
Senior Water Resource Planner

c: Bob Main/Kyle Gorman

Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

STATE OF OREGON
WATER RESOURCES DEPARTMENT

INTEROFFICE MEMO

To: FILE

Date: April 7, 1997

From: MICHAEL ZWART

Subject: FILE G-11975, CRESCENT WATER ASSOCIATION

This permit contains an annual measurement condition. I believe that it is appropriate to replace that condition with condition 7A at the time a certificate is issued. If this is done, the word "permit" should be replaced with "certificate" in the second sentence. As an alternative, the permittee/appropriator could be added to the existing condition's list of eligible parties to make such measurements.

Crescent Water Association
Box 247
Crescent, Oregon 97733

05-07-96

Water Resources Department
South Central Region
1340 NW Wall Suite 100
Bend, Oregon 97701-1939

Dear Watermaster,

Per our permit G-11990 we did the following:

Pine Ridge Pump
1368 SE Reed Market Rd
Bend, Oregon
Mr Butch Rodgers owner/operator
Checked water level in the following Wells:

	Static Water level	Well Depth
Pump # 1	321 feet	334 feet
Pump # 2	343 feet	365 feet
Pump # 3	265 feet	307 feet

We plan to switch the 40hp with 60hp in pump #2 before October 1, 1996. The 60hp we had in 1989 went bad. I will let you know when the switch is completed. We then can make final proof inspection of 1.8 cubic feet per second.

Sincerely,

David Crider Sec/Operator

Copy To Director
SALEM

Crescent Water Association
Box 247
Crescent, Oregon 97733

05-17-95

Water Resources Department
South Central Region
1340 NW Wall Suite 100
Bend, Oregon 97701-1939

Dear Watermaster,

Per our permit we did the following:

Pine Ridge Pump
1368 SE Reed Market Rd
Bend, Oregon
Mr Butch Rodgers owner/operator
Checked water level in the following Wells:

	Static Water level	Well Depth
Pump # 1	319 feet	334 feet
Pump # 2	342 feet	365 feet
Pump # 3	269 feet	307 feet

Now what is our next action?

Sincerely,

David Crider Sec/Operator

COPY TO DIRECTOR SALEM

Crescent Water Association

Number gallons of Water Pumped

June 30, 1994 through June 30, 1995

Pump # 1	28,061,300
Pump # 2	10,178,000
Pump # 3	11,798,000
Total	50,037,300

COPY TO DIRECTOR
SALEM

Crescent Water Association 05-17-95
Box 247
Crescent, Oregon 97733

Water Resources Department
South Central Region
1340 NW Wall Suite 100
Bend, Oregon 97701-1939

Dear Watermaster,

Per our permit we did the following:

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Pump # 2	342 feet	365 feet
Pump # 3	269 feet	307 feet

Now what is our next action?

Sincerely,

David Crider

David Crider Sec/Operator

RECEIVED
DATE 6-29-95
WATER MASTER DISTRICT #11
BY SMS

Route Slip

Date 6-29-95

TO: Name	Division/Section	Initial	Date
1. Water Rights Section			
2.			
3.			
4.			
5.			

RECEIVED
JUL 3 1995
WATER RESOURCES DEPT.
SALEM, OREGON

	as requested		investigate		per conversation
	approval		justify		prepare reply
	comment		necessary action		return with more detail
	confer		initial and return		review and circulate
	for your information		note and file		signature

RE: PERMIT G-11990
APPL. G-11975

FROM: SCR/WD#11 Phone No.

Z5-097677

☐ See Other Side

MEMORANDUM

June 19, 1992

TO: Steve Brown

FROM: Marc Norton MAN

SUBJECT: Groundwater Application G-11975

I've taken a second look at this right as requested by the Water Rights Section. All three of these wells are probably in hydraulic connection to the Little Deschutes River at some location. Interference between the well and the surface water resource will not be significant at the nearest reach. The permit should contain the resource protection condtion for year-round users.

MEMORANDUM

DATE: 11/14/89

TO: Application/ Permit Section

FROM: Groundwater Section by Marc A Norton
(signature)

SUBJECT: Application # G- 11975

The application referenced above and available data has been reviewed under the guidelines of the Director's policy memo of October 19, 1989.

We find that the proposed groundwater use falls within the following category:

Well #1 CATEGORY 1A - The proposed well will be located less than 1/4 mile from the nearest stream, and significant surface water interference will exist.

____ CATEGORY 1B - The proposed well will be located less than 1/4 mile from the nearest stream, but significant surface water interference will not exist.

_____ CATEGORY 2A - The proposed well will be located more than 1/4 mile from the nearest stream, and significant surface water interference will not exist.

Well #2 & #3 CATEGORY 2B - The proposed well will be located more than 1/4 mile from the nearest stream, but significant surface water interference will exist at the nearest point on the stream.

REMARKS: Well # 3 is marginal - An aquifer test on that well could provide the data specific to Well #3 and a more accurate answer could be given.

Public Interest Review

File No. G-11975

I. Findings relating to OAR 690-11-195(2):

✓ **The proposed water use is NOT prohibited by statute or scenic waterway criteria.**

Comments:

✓ **The proposed water use IS a classified use under the applicable basin program (OAR 690-505)OR an application for the use HAS BEEN filed under ORS 536.295 and OAR Chapter 690, Division 82;**

Comments:

✓ **The proposed water use IS consistent with conditions previously imposed by the Commission on appropriations from the same source;**

Comments:

✓ **The proposed water use will NOT conflict with existing water rights;**

Comments:

✓ **Water IS available from the source to support the proposed water use.**

Comments:

II. Findings relating to OAR 690-11-195(3):

✓ **Population growth demands for domestic and municipal uses:**

Finding: Nothing in the record developed for this application establishes the proposed water use would interfere with future demands for domestic and municipal uses as estimated by current rates of population growth in the area.

✓ **Economic development for agriculture, navigation, manufacturing, industry, power generation, commercial fishing, forestry and mining:**

Finding: Nothing in the record developed for this application establishes the proposed water use would appropriate water otherwise needed for economic development for agriculture, navigation, manufacturing, industry, power generation, commercial fishing, forestry and mining.

✓ **Health and safety requirements for sanitation, drainage, flood control, and fire protection:**

Finding: Nothing in the record developed for this application establishes the proposed water use would appropriate water otherwise needed for health and safety requirements for sanitation, drainage, flood control, and fire protection.

✓ **Public values and uses for recreation, pollution abatement, fish and wildlife resources, and scenic waterway protection:**

Finding: The water availability determination made for this application reflects public value needs listed above as incorporated in instream water rights applications and certificates and scenic waterway flow data.

Public Interest Review

File No. G-11975

III. Findings relating to OAR 690-11-195(4):

✓ **Existing claims to water from the same source:**
Finding: The proposed water use has been analyzed in light of other needs from the same source. Exercise of any permit issued for the proposed use would not interfere with existing uses. The water availability determination made for this application takes into account water needed for pending applications proposed for approval from the same source.

✓ **Land use goals, comprehensive plans, or other land use matters:**
Finding: The application is compatible with the comprehensive plan of the affected local government, as evidenced by the required land use information form (or receipt). No other land use matters have been raised by citizens, local governments, or state agencies.

✓ **Identified environmental concerns:**
Finding: No general environmental concerns relating to the exercise of the proposed permit have been identified in the review of agency records or by others.

✓ **Character and extent of other natural resources which are present in the water source basin:**
Finding: No other natural resources in the water source basin will be adversely effected according to the agency records.

✓ **Riparian and aquatic fauna and flora characteristics:**
Finding: No riparian and aquatic fauna and flora characteristics in the water source basin will be adversely effected in review of agency records or by others.

✓ **Recreational use and potential of the water source and its basin area:**
Finding: Nothing in the records indicate the proposed use will interfere recreational use and potential use within the basin.

✓ **Agricultural potential of the area:**
Finding: The proposed use(s) will not adversely affect agricultural potential of the area according to the records of the agency.

✓ **Designated historic, cultural, or natural resource protection areas:**
Finding: Nothing in the records indicate the proposed use will interfere with designated historic, cultural or natural resource protection areas.

Public Interest Review

File No. G-11975

IV. Public Interest Determination Summary

Based on the record in the application file and the analysis of the Department as presented to the Commission in the findings displayed above, the following public interest factors have been duly considered:

- ✓ Conserving the highest use of the water for all purposes, including irrigation, domestic use, municipal water supply, power development, public recreation, protection of commercial and game fishing and wildlife, fire protection, mining, industrial purposes, navigation, scenic attraction or any other beneficial use to which the water may be applied for which it may have a special value to the public.
- ✓ The maximum economic development of the waters involved.
- ✓ The control of the waters of this state for all beneficial purposes, including drainage, sanitation and flood control.
- ✓ The amount of waters available for appropriation for beneficial use.
- ✓ The prevention of wasteful, uneconomic, impracticable or unreasonable use of the waters involved.
- ✓ All vested and inchoate rights to the waters of this state or to the use of the waters of this state, and the means necessary to protect such rights.
- ✓ The state water resources policy formulated under ORS 536.295 to 536.350 and 537.505 to 537.525.

Steven P. Applegate — Date 4/21/95

Steven P. Applegate
Administrator
Water Rights and Adjudications Division

Oregon

WATER
RESOURCES
DEPARTMENT

November 12, 1993

CRESCENT WATER ASSOCIATION
PO BOX 123
CRESCENT, OR 97733

Reference: File G 11975

Hello:

This letter informs you of the current status of your application for a water use permit and accompanies the Satisfactory Report of Technical Review For Water Use Permit(s). We apologize for the delay in transmitting this information and Report to you and for any inconvenience the wait may have caused you.

The enclosed Report of Technical Review is the Department's summary of a specialized analysis of various legal and scientific aspects of your application and proposed water use. We are required by the state of Oregon's administrative rules (in OAR 690-11-160) to conduct this official technical review of each application submitted to the Oregon Water Resources Department for a water use permit. This process was designed to insure that your application receives a fair evaluation and to secure protection of existing water rights and of the public at large.

AS THE RESULT OF OUR TECHNICAL EVALUATION OF YOUR APPLICATION, WE HAVE DETERMINED THAT YOUR APPLICATION SATISFIES THE REQUIREMENTS OF THE TECHNICAL REVIEW.

The Department will now move your application to the next phase of processing. This phase includes a public interest review of your proposed water use. No final action may be taken on your application until the public interest review is completed.

You should also note that the Report of Technical Review describes conditions currently anticipated which may limit the water use proposed in your application.

If you wish to object to any of the analyses contained in the Report, you must submit your objection to the Department in writing within 60 days of the date of mailing of this Report or by the date specified below. Your objection must allege that the technical review is defective and you may also submit evidence which demonstrates that your proposed water use will not impair or be detrimental to the public interest.

Copies of the Report of Technical Review will be distributed to all persons who have filed comments or otherwise expressed an interest in the water use proposed in your application. Interested parties must also submit their objections within the prescribed objection period. Those objections must allege that the technical review is defective and/or that the proposed water use may impair or be detrimental to the public interest.

3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

If an objection contains allegations that the technical review is defective, it must be accompanied by facts which support such allegations. If an objection contains allegations that the proposed water use may impair or be detrimental to the public interest, the objection must specify the particular public interest standards which apply as set out in Oregon Revised Statutes (ORS 537.170(5)) and Oregon Administrative Rules (OAR 690-11-195) and state facts showing how such standards would be violated.

All evidence and objections must be received by our Salem office **no later than 5:00 p.m. on or before January 21, 1994** or the Department may presume there is no opposition to any of the analyses set out in the technical review report. Evidence and objections must be addressed and delivered to: Oregon Water Resources Department, Water Rights Section, 3850 Portland Road, Northeast, Salem, Oregon 97310.

If objections and evidence are submitted on or before the above time and date, the Director of the Water Resources Department will evaluate each issue raised in the objections and either accept or deny them. Objectors are encouraged to indicate whether they would be interested in resolving their concerns through alternative dispute resolution.

If any of the objections are denied, the objector will be allowed thirty days to submit a protest to the denial. The protest must meet the standards set forth in OAR 690-02-030 through 080.

If you have any questions, please feel free to telephone me or any of the Department's Water Rights Section staff. My telephone number is 378-3739, in Salem, or you may call toll free from within the state to 1-800-624-3199.

Sincerely,

STEVE BROWN
Manager
Water Rights Division

SB/ts
Enclosures

Report Date: November 12, 1993

OREGON WATER RESOURCES DEPARTMENT

SATISFACTORY REPORT OF TECHNICAL REVIEW

FOR WATER USE PERMIT(S)

OBJECTIONS TO THE PROPOSED WATER USE AS DESCRIBED BELOW MUST BE RECEIVED IN WRITING BY THE OREGON WATER RESOURCES DEPARTMENT, 3850 PORTLAND ROAD N.E., SALEM, OREGON 97310, BY 5 P.M. ON OR BEFORE: January 21, 1994

1. APPLICATION FILE NUMBER - G 11975

2. **MINIMUM APPLICATION INFORMATION**

Applicant name/address/county/phone:
CRESCENT WATER ASSOCIATION
PO BOX 123
CRESCENT, OR 97733
KLAMATH COUNTY

Date application received for filing and/or tentative date of priority: 10\19\89

SOURCE: THREE WELLS TRIBUTARY TO: LITTLE DESCHUTES RIVER

Purpose and/or use: QUASI-MUNICIPAL

Flow: 1.8 CUBIC FEET PER SECOND (CFS)

Point of Diversion Location:
T 24 S, R 9 E, W.M.; SEC 30, SWNE, SENE; T 25 S, R 8 E, W.M.; SEC 1,NENE

Place of use:
CRESCENT WATER ASSOCIATION SERVICE AREA
SECTIONS 19, 25, 30, 31, AND 36
T 24 S, R 9 E, W.M.
SECTION 1
T 25 S, R 8 E, W.M.

GROUNDWATER AVAILABILITY

This is an application for use of groundwater. The Groundwater/Hydrology Section report indicates that:

Pursuant to OAR 690-09-040, the proposed groundwater withdrawal **will not** have the potential to cause substantial interference with surface water.

In addition, the Groundwater/Hydrology Section has reported that the groundwater for the proposed use can, if properly conditioned, avoid injury to existing rights or to the groundwater resource.

CONFLICTS WITH OTHER WATER RIGHTS:

There **are no** existing rights from this point of diversion.

There **are no** existing water rights appurtenant to the lands described in the application.

REPORT CONCLUSIONS:

Water in the amount of 1.8 CFS is likely available for **12** months of the **12** months normal period of use. Therefore, the Director finds that water is available in sufficient amount and during periods which will reasonably support the proposed use.

THE PROPOSED WATER USE, AS CONDITIONED, SATISFIES THE REQUIREMENTS OF THIS TECHNICAL REVIEW.

This Report of Technical Review sets out the Director's technical analysis of the application. In addition to this technical analysis, the Director will evaluate this application to determine whether the proposed water use might impair or be detrimental to the public interest under the standards set out in ORS 537.170(5) and OAR 690-11-195. Matters relating to public interest in the proposed water use which are raised in objections will be evaluated following the 60-day objection period.

PROPOSED PERMIT CONDITIONS

Application: G 11975

The following conditions will apply to water use under the permit, and will appear in the permit, if issued.

1. Use of water under this permit is subject to all prior rights.

2. Period of allowed use: YEAR ROUND

3. Rate of use: 1.8 CFS

4. Water use development requirements:

   A. Begin construction by (one year from issuance of permit).

   B. Complete construction by October 1, 1996.

   C. Completely apply the water to beneficial use by October 1, 1997.

5. Measurement, recording and reporting conditions:

   A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

   B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

6. Failure to comply with any of the provisions of the permit may result in action including, but not limited to, restrictions on the use, penalties, or cancellation of the permit.

7. The permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

8. The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

9. The well shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times. The use of water shall be limited when it interferes with any prior surface or ground water rights.

10. Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

11. The PERMIT HOLDER shall obtain a static water-level measurement for each well during MARCH of each year and report the measurement to the Department within thirty days. The measurement shall be made by a certified water-rights examiner, registered professional geologist, or professional engineer. Water levels shall be reported as depth-to-water below ground level and shall be accompanied by supporting calculations. If a well listed on this permit displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the PERMIT HOLDER shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the PERMIT HOLDER'S or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The reference level for water-level declines shall be the second annual measurement taken after water use begins under the terms of this permit. The PERMIT HOLDER shall in no instance allow excessive decline to occur within the aquifer as a result of use under this permit.

12. If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the

Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

Application No. G. 11975 Permit No. _____

RECEIVED
OCT 19 1989
WATER RESOURCES DEPT
SALEM, OREGON

STATE OF OREGON
WATER RESOURCES DEPARTMENT

Application for a Permit to Appropriate Groundwater

Applicant: Crescent Water Association

Mailing address: P.O. Box 123

Crescent (City) Oregon (State) 97733 (Zip) _____ (Phone No.)

I hereby make application for a permit to appropriate the following described groundwaters of the State of Oregon:

1. ***THE DEVELOPMENT*** *(number of wells, tile lines, infiltration galleries, etc.):*

Three wells Connected TO Same System

Use of water: Quasi Municipal

Amount of water: See Exhibits A, B, and C (cubic feet per second) or 1.8 CFS (gallons per minute)

Diameter of well: _____ Depth in feet: _____

Type and size of well casing: _____ No. of feet: _____

Estimated depth to water: _____ (feet)

Type of access port or measuring device: Propeller Flow Meters

Wells to be drilled by: n/a

Address: _____ (City) (State) (Zip)

If the water well is flowing artesian, describe your water control and conservation works: n/a

If development is less than 1/4 mile from a natural stream, give the following:

Distance from development to stream: Well No. 1, 1,250 feet east of Little Deschutes River

Elevation difference between streambed and development: 4 Feet under River with Distribution Line at County Road, Well is 250 Higher than River.

Note: *Wells must be constructed according to standards set by the department for the construction and maintenance of water wells.*

PC 10.20.89

2. ***LOCATION*** *(if there is more than one well or source, describe on another sheet):* See Exhibit D

_____ *feet* _____ *and* _____ *feet* _____
(N or S) (E or W)

from the _____ *corner of* _____
(Public Land Survey Corner)

located within the _____ *1/4 of the* _____ *1/4 of Section* _____,

Township _____, *Range* _____, *WM. Tax Lot* _____,

in _____ *County.*

3. ***PLACE OF USE*** *(attach additional sheets, if necessary):* See attached Crescent Water Association Map

Township	*Range*	*Section*	*¼ ¼ Section*	*Tax Lot No.*	*Use*	*Use or acres to be irrigated*
24S	9E	30	ALL			present and Future use
24S	9E	25	ALL			
24S	9E	36	ALL			
24S	9E	31	ALL			
25S	8E	1	ALL			
24S	9E	19	Just that part Not served by Gilchrist Timber	pond	~~Fee~~ Klamath County High	Baseball and Football School Field

4. ***DESCRIPTION OF WATER-DELIVERY SYSTEM:***

Length and dimensions of supply ditch or pipeline: See attached Crescent Water Association map

Size and type of pump and motor: Well No. 1: Layne, 18 stage submersible producing 220 gpm, 40 HP; Well No. 2: Fairbanks Morse, 18 stage submersible producing 410 gpm, 60 HP; Well No. 3: Flint & Wallig, 9 stage submersible producing 185 gpm, 30 HP.

Type of irrigation system (check appropriate box): ☐ Flood ☐ Wheel line

☐ Hand line ☐ Drip ☐ Other _____

Other systems: n/a

Proposed date construction will begin: Construction has been completed.

Proposed date of completion of system: 1967 MAP shows 20 YEAR PLAN
System will never be completed it just grows,

Proposed date water use will be completed: 1967 MAP shows 20 YEAR PLAN

Is this groundwater source supplemental to another supply? No

If so, identify the supply and the existing water right: _____

Are lands (including well site, access for conveying water, and/or place of use) all under your ownership? YES If not, list in the Comments section below or on an attached sheet, the names and mailing addresses of the legal owners of all property involved in the development.
WE ALSO getting Use Permit for well #3 from U.S.F. Service,

NOTE: *ORS 537 and OAR 690-217 require the results of a pump test be submitted to the Water Resources Department before a certificate of water right will be issued confirming the right to the use of water perfected under the terms of the permit. A pump test will be required within 10 years of the priority date in the event a certificate has not been issued within that time. The pump test must meet certain minimum criteria as detailed in OAR 690-217.*

Comments: MANY Deeds AND Right-of-WAYS From County, STATE, AND Property owners AND members Recorded in Klamath County
We have: 2 Forest SERVICE applications Million Gallon per Month
6 COMMERCIAL USES
2 School uses ½ million Gallons + per Month Summer
229 Residential Active uses
350 Registered Voters
Population UNKNOWN EST. 1400 people

Calvin L. Jordan
Signature of Applicant

Pres. Cres Wtrs Assn.
10-12-89

NOTE: *This permit, when issued, is for the beneficial use of water. By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan. It is possible that the land use you propose may not be allowed if it is not in keeping with the goals and the acknowledged plan. Your city or county planning agency can advise you about the land-use plan in your area.*

Application No. G-11475 Permit No. _____

(DO NOT WRITE IN THIS SPACE)

Dear Applicant:

I certify that I have examined the foregoing application, together with any accompanying information. I am returning it to you for the following reason(s): _____

_____

_____

_____

In order to retain your priority, you must return this application with the requested corrections or additions on or before _____, *19* ____

Date: _____, *19* ____

WATER RESOURCES DEPARTMENT

By: _____

RECEIVED at Oregon Water Resources Department on: October 19, *19* 89

at 8 *o'clock AM/PM.*

Application No. G-11975 *Permit No.* _____

1401D

EXHIBIT A

Well # 1

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OCT 1 9 1989

Application No. G 11915

Permit No.

RECEIVED

OCT 19 1989

WATER RESOURCES DEPT
SALEM, OREGON

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)

State Well No. 24/9-30

State Permit No.

(1) OWNER:
Name CRESCENT WATER ASSOC.
Address P.O. BOX 123 CRESCENT ORE

(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: Threaded ☐ Welded ☒
10" Diam. from 0 ft. to 110 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.
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) WATER LEVEL: Completed well.
Static level 312 ft. below land surface Date 5/15/67
Artesian pressure lbs. per square inch Date

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Klamath Falls Pumps
Yield: 350 gal./min. with 20 ft. drawdown after 24 hrs.

Bailer test 20 gal./min. with 20 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date
Temperature of water 43 Was a chemical analysis made? ☒ Yes ☐ No

(10) CONSTRUCTION:
Well seal—Material used BENTIONITE & CEMENT
Depth of seal 43 ft.
Diameter of well bore to bottom of seal 14 in.
Were any loose strata cemented off? ☒ Yes ☐ No Depth 120 to 140
Was a drive shoe used? ☒ Yes ☐ No
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:

(11) LOCATION OF WELL:
County KLAMATH Driller's well number
¼ ¼ Section 30 T. 24S R. 9 E W.M.
Bearing and distance from section or subdivision corner

(12) WELL LOG:
Diameter of well below casing 10 in
Depth drilled 334 ft. Depth of completed well 334 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 as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Volcanic ash & pumice	0	6	
Grey Basalt Boulders	6	11	
Black Cinders	11	16	
Red Cinders & Broken Rock	16	43	
Grey Basalt Rock	43	120	
Broken grey Rock	120	140	
Grey Basalt Rock	140	280	
Brown Rock	280	312	
Brown Rock with Crevices	312	326	
Black Cinder Rock	326	334	

Work started 11/14 1966 Completed 6/10 1967
Date well drilling machine moved off of well 6/14 1967

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] KENNETH MATHERS (Drilling Machine Operator) Date 7/11, 1967
Drilling Machine Operator's License No. 245

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 MATHERS & SON (Person, firm or corporation) (Type or print)
Address Rt 3 BOX 28R BEND OREGON
[Signed] Kenneth Mathers (Water Well Contractor)

EXHIBIT B

Well #2

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OCT 13 1980
WATER RESOURCES DEPT.
SALEM, OREGON

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
MAY 2 7 1976
WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. 24/9-30
State Permit No.

(1) OWNER:

Name: Crescent Water Association
Address: P. O. Box 123
Crescent, Oregon 97733

(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 ☐

(5) CASING INSTALLED:

Threaded ☐ Welded ☒

12 " Diam. from +1 ft. to 113 ft. Gage .250
10 " Diam. from 0 ft. to 202 ft. Gage .250
" 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? Interstate
Yield: 120 gal./min. with 0 ft. drawdown after 24 hrs.
" " " "
" " " "
Bailer test 23 gal./min. with 0 ft. drawdown after 1 hrs.
Artesian flow -- g.p.m. --
Temperature of water 50° Depth artesian flow encountered -- ft.

(9) CONSTRUCTION:

Well seal—Material used Portland Cement
Well sealed from land surface to 76 ft.
Diameter of well bore to bottom of seal 16 in.
Diameter of well bore below seal 15 in. to 113'-12" to 365'
Number of sacks of cement used in well seal 186 sacks
Number of sacks of bentonite used in well seal 2 sacks
Brand name of bentonite National
Number of pounds of bentonite per 100 gallons of water 133 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 Klamath Driller's well number 753 (22-CP)
¼ ¼ Section 30 T. 24S R. 9E W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 335 ft.
Static level 335 ft. below land surface. Date 1/27/76
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 12
Depth drilled 365 ft. Depth of completed well 365 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
Pumice	0	7	
Hard Boulders	7	13	
Red cinders-large brin.lava rock	13	50	
Hard basalt-badly fractured	50	69	
Basalt boulders-Loose grey cinders	69	77	
Hard basalt-badly fractured	77	93	
Basalt boulders-Grey lava sa	93	111	
Hard basalt	111	124	
Red cinders	124	143	
Hard basalt - badly fractured	143	150	
Broken grey lava rock	150	196	
Hard black basalt	196	295	
Drum lava rock	295	317	
Hard black basalt	317	335	
Grey lava rock	335	363	
Loose grey cinders	363	365	

Work started 1/15 19 76 Completed 1/27 1976
Date well drilling machine moved off of well 1/27/ 19 76

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] (Drilling Machine Operator) Date 5/25, 19 76

Drilling Machine Operator's License No. 727

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 Carber's Drilling & Pump Service (Person, firm or corporation) (Type or print)
Address P. O. Box 16 - Spri[illegible], Oregon 977[illegible]
[Signed] (Water Well Contractor)
Contractor's License No. 126 Date 5/25, 19 76

(USE ADDITIONAL SHEETS IF NECESSARY)

DEPT AUG 17 1978

EXHIBIT C

OBSERVATION WELL

WELL 3

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APR 18 1966
STATE ENGINEER
SALEM, OREGON

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)

State Well No. 25/8-1 aa

State Permit No.

(1) OWNER:
Name U S National Forest
Address Crescent Ore

(2) LOCATION OF WELL:
County Klamath Driller's well number
NE¼ NE¼ Section 1 T. 25S R. 8E W.M.
Bearing and distance from section or subdivision corner
600 ft east of Hyway

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

(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 ☐
12" Diam. from 0 ft. to 138 ft. Gage ¼
8" Diam. from 0 ft. to 285 ft. Gage ¼
" Diam. from ft. to ft. Gage

(7) PERFORATIONS: Perforated? ☑ Yes ☐ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from 165 ft. to 175 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
Type 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 Cement
Depth of seal 20 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 140 to 760
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 strata
Method of sealing strata off

(10) WATER LEVELS:
Static level 262 ft. below land surface Date
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?
Yield: 50 gal./min. with ½ ft. drawdown after 8 hrs.
" " " "
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water ? Was a chemical analysis made? ☐ Yes ☑ No

(12) WELL LOG: Diameter of well below casing
Depth drilled ft. Depth of completed well 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 Light Pumice	0	18
Black Sand	18	130
Rock	130	190
Boulder	190	250
Basalt Black	250	760
~~Water~~		
Water gravel	760	285

Work started 3 / 1 / 19 65 Completed 6 / 1 / 19 65
Date well drilling machine moved off of well 19

(13) PUMP:
Manufacturer's Name
Type H.P.

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 Gordon Gowers (Person, firm or corporation) (Type or print)
Address Christmas Valley, Ore.
Drilling Machine Operator's License No. 136
[Signed] (Water Well Contractor)
Contractor's License No. 305 Date July 1, 19 65

(USE ADDITIONAL SHEETS IF NECESSARY)

WaterWatch
OF OREGON

By FAX 378-8130 and Regular Mail

January 19, 1994

Oregon Water Resources Department
Water Rights Section
3850 Portland Road NE
Salem, Oregon 97310

Re: Objection to Technical Report for:
G-11975, Crescent Water Association, Quasi-Municipal, Little Deschutes
G-12977, Crocker, Supplemental Irrigation, Trout Crk.

WaterWatch submits the following objections pursuant to OAR 690-11-170:

◆ **The Technical Reports are Defective.**

The technical reports fail to include many of the elements and evaluations required in OAR 690-11-160(1). The specific areas of deficiency are the same as those identified in WaterWatch's objections for G-12905 which are hereby incorporated into this objection.

◆ **The Uses As Proposed are Not in the Public Interest.**

The proposed uses fail to pass the public interest considerations in ORS 537.620 and the policies of the Groundwater Act ORS 537.525. *See also*, OAR 690-11-195(3)(d), (4)(a), (4)(b), (4)(c)(A), (4)(d), (4)(e), (4)(f).

1. **The proposed uses depletes flows and adversely affects the water quality needed to meet existing water rights for surface waters and for numerous public instream uses of the Deschutes River.**

The 1984 Deschutes Basin Plan states:

• **General Findings:**

Flows are not sufficient on many streams during the summer months of average water years to supply existing and future demands. Finding 2.

Simultaneous use of a major portion of existing consumptive rights results in flows at or near the zero level on some streams during the summer months. Finding 3.

River related recreation is important to the economy of the upper Deschutes Basin. Finding 25.

The support of resident and stocked fish is essential to river related recreation. Finding 26.

Recommended base flows suggested by fisheries agencies are substantially higher in many locations than flow levels that can be obtained during average water years under current stream regimen and existing water rights and priorities. Finding 27.

Establishment of restrictions on further appropriations would prevent an increase in depletion potential on some streams which would aid in maintaining minimum flows. Finding 33.

Where streams are seasonally overappropriated, the establishment of restrictive actions would have no immediate physical effect until additional flows become available. Finding 34.

- **Middle Deschutes findings include General Findings 3 & 27 and:**

There is inadequate streamflow for fishery requirements. Finding 20.

- **Lower Deschutes findings include General Findings #3 and:**

Many streams do not provide enough flow for nonconsumptive public uses at present in periods of relatively low as well as critical flow. Finding 3

In April, 1986, Deschutes County and the City of Bend conducted a "River Study". That study included extensive goals and policies. See River Study p. 13-2 through 6. Among those policies are: (1) Increase Deschutes River stream flows from Wickiup Reservoir on down; (2) Maintain stream flows in the little Deschutes River and its tributaries that will provide for irrigation, fisheries, wildlife and recreation needs; and (3) Increase stream flows below the north canal dam, below the irrigation diversion in Tumalo creek, and below the main irrigation diversions in Squaw Creek. Id. Thus, the county has an interest in insuring that additional water use not be allowed in areas that may provide critical groundwater flow for the identified rivers and streams.

The Deschutes River system supports a variety of fish life including rainbow, brown and cutthroat trout. The Deschutes River supports a major Oregon sports fishery. Low flows during summer months impair fish survival by, among other things, raising water temperatures, decreasing aquatic habitat and trout rearing areas and promoting excessive growth of algae. *See Mathisen, Upper Deschutes River Water Resource Review, pgs. 10-11.* Low flows in the winter adversely effect fish habitat by, among other things, exposing

spawning gravel, reducing feeding and rearing areas in the river, and increasing fish deaths due to severe ice conditions on the river. *Id.*

Several segments of the Deschutes River have received state scenic waterway designation. Several segments of the Deschutes River have also been federally designated under the Federal Wild and Scenic Rivers Act. Currently there are several instream water rights and pending instream water right applications pending for the Deschutes River mainstem and tributaries. Applications 070695 and 070087 filed in September of 1990 and October of 1989 request protection of Deschutes River flows needed for habitat for bull, rainbow and brown trout, kokanee and coho salmon and summer and winter steelhead. The instream water right certificates and pending applications serve the public interest by protecting flows needed for fish, pollution abatement and recreation in the Deschutes River. As a tributary to the Columbia River, the Deschutes River contribute flows for listed threatened and endangered fish populations in the Columbia River.

In addition to the water quantity problems, the Deschutes River mainstem suffers from water quality problems. Oregon statutes require that the WRD's actions ensure the protection of the water quality in Oregon's river and groundwater aquifers. See, ORS 468B.015(2) & (4), ORS 468B.020(1), ORS 468B.155, OAR 690-410-010(1). One segment of the river is listed in the Department of Environmental Quality's 1992 *Water Quality Status Assessment Report, 305(b) Report* as water quality limited. This segment of the river is unable to support the designated beneficial use of aquatic life. Several other segments can only partially support aquatic life. DEQ has also identified water withdrawals as a cause of Deschutes River quality problems. Further depletion of surface water flow will only exacerbate these existing water quality problems. In addition, runoff from this agricultural use may add to existing stream quality problems.

The Department has determined that a hydraulic connection exists between surface and groundwater in the Deschutes River system. *See* Agenda Item J-3, July 17, 1992, page 2. A 1930 Department of Interior Report by Harold Stearns states that the Deschutes River is primarily fed by springs. Stearns, pg. 25. The report describes a groundwater resource that is highly permeable in parts and drains into the Deschutes canyon, providing over 1,000,000 acre feet per year of water and over 1,500 cfs in the middle Deschutes Basin. Stearns, pg. 191, 208.

A 1955 Water Resources Committee report to the Oregon Legislature confirms Stearns' findings and states that the groundwater supply makes the Deschutes' flow one of the most consistent in the nation. Water Resources Committee Report, pg. 18. Furthermore, an even more recent Water Resources Investigation Report by the USGS confirms the finding of important discharge into the surface waters in the area. Report 84-4095, pg. 13-15. Thus, groundwater in this area is vital to surface water flows, is directly

connected to the surface waters, and further permits to use groundwater will deplete already overallocated surface waters in the basin.

2. Measurement and reporting.

WaterWatch strongly supports most of the elements of the proposed measurement and reporting conditions for these applications. However, we do not support the limitation which only requires recording the reporting of the "volume" of water use. As I understand it, the Department interprets this phrase as only requiring measurement and reporting of only the total duty - not both rate and duty. As a policy matter, WaterWatch believes that the Department's measurement and reporting conditions should enable the Department to obtain information relating to **both** rate and duty of water use. One of the conditions in these proposed permits is the **rate** at which water can be diverted. In order to determine whether there is exact compliance with the terms and conditions of these permits, the Department needs to know the rate at which water is being used. While it maybe possible to extrapolate an **estimated** rate at which the water is being used from the total duty - it is not as accurate a measure of use as requiring record keeping of the actual rate of use. At the very least, the Department should preserve it's ability to require measurement of **both** rate and duty. We request the term "volume" be substituted with the following language: "rate and/or duty".

Additional information about groundwater use and groundwater characteristics is especially crucial for management of the groundwater resource in the Deschutes Basin. As Director Pagel stated on page 2 of her September 14, 1992 letter to the Chairpersons of Crook, Deschutes and Jefferson County Commissions:

> The groundwater information base will never be perfect. However, in many areas it must improve substantially before the Commission can both issue additional permits and meet its obligation to protect the groundwater resource. . . .If the demands of growing communities are to be met in a timely manner, it is imperative that the state, local governments, citizens and the development community work together to generate more and better groundwater information."

Those who profit from using the resource should be called upon to provide the needed information. In this instance, in addition to measurement and reporting of use, the permittees should be required to at least measure and report well levels, groundwater flow velocities and aquifer depth. This information is critical for resource protection and management.

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3. The proposed use is likely to impair the public interest because it will interfere with surface waters in the Basin.

The Department has determined that the groundwater resource is hydraulically connected to surface waters in the area. However, it has failed to determine the extent of the connection and the short and long term impacts of the connection on surface waters in the basin. The applicant has failed to meet its burden of proof because it has failed to show long term impacts of the pumping will not harm the resource. Oregon's ground water statute and the implementing rules require the Department to look at both short and long term impacts of groundwater use and to insure that the use will not interfere with surface waters. ORS 537.620(3), OAR 690-9, OAR 690-11-195(4)(a). This determination is critical given the existing overallocation of surface waters, the water quality problems and the public interest in maintaining instream flows necessary to support public uses of the Deschutes and Columbia Rivers.

The Department and Commission have recognized in the past the increasing pressure to develop groundwater in the Basin and expressed concern over the ability of the resource to meet new demands. Until the required level of scientific certainty needed for decision making is determined and the information developed, these permits should not be issued.

In addition, as stated in WaterWatch's January, 1994 Petition for Withdrawal or Temporary Emergency Rulemaking (previously filed with the Commission), in order to protect the public's interest in the Columbia River system (of which the Deschutes River is tributary), and the threatened and endangered fish species with rely on this resource, these and other applications for water from the Columbia River Basin should not be considered until sufficient instream flows are determined and guaranteed throughout the basin. Until these flows are determined and protected, the Department has no way to ensure that new uses proposed in the system will not harm the public interest. For the reasons outlined in the objection and in WaterWatch's January Petition (hereby incorporated as part of this objection) the proposed use will impair and be detrimental to the public interest in the resource.

Furthermore, the proposed conditions for these permits do nothing to protect surface waters from interference. All 5 technical reports contain a proposed condition which requires a pump test prior to receiving a certificate. A pump test provides information relating to the extent of the ground water surface water connection and the aquifer characteristics. This test provides information needed to make a public interest determination and should be obtained prior to a final public interest determination. If, after this information is obtained and proves the ground water support the proposed uses, and the uses are in the public interest, then the condition requiring periodic pump tests during the life of the permits and certificates would be appropriate. The condition should not, however, limit

the Director's discretion as to when she can require pump tests. We suggest language that would require testing annually or more frequently as deemed needed by the Director.

4. The proposed uses violate Oregon's statewide policies.

Oregon's Groundwater Management Policy requires that "(i)nterference between groundwater uses and competing groundwater and surface water uses . . . be prevented and/or controlled to protect the water resource and existing rights." OAR 690-410-010(1). The Policy also requires the State to manage groundwater and surface water conjunctively in order to protect the public's interest in the water resource and existing rights. OAR 690-410-010(2)(a). Oregon's Statewide Water Allocation Policy requires that groundwater use occur within the capacity of the resource and requires the State to protect Oregon's waters from overallocation by new uses of groundwater. OAR 690-410-070(1).

In addition, Oregon statutes and rules require the state to "aggressively promote" water conservation and places a high priority on eliminating waste and improving the efficiency of water use. ORS 537.460(2)(a) and OAR 690-410-060(1). Proposed Condition #8 does little to further these policies.

Allowing these proposed uses to go forward violates all these policies. The Department's failure to manage the ground and surface waters conjunctively in the Deschutes River basin will exacerbate existing overallocation problems, water quality problems, and will further impair existing surface water rights. It is bad public policy to continue issuing groundwater rights in the face of increasing doubts as to whether increased groundwater use is sustainable.

◆ **Conclusion**

We are open to discussion with the Department and the applicants on all of the issues raised in this objection letter.

Sincerely,

Karen Russell

Karen A. Russell
Assistant Director

Oregon

WATER
RESOURCES
DEPARTMENT

April 27, 1994

Karen Russell, Assistant Director
WaterWatch of Oregon
921 Southwest Morrison, Suite 438
Portland, OR 97205

Re: Denial of Objections to Application File Number G-11975 for Crescent Water Association

Dear Ms. Russell:

The Director of the Water Resources Department has reviewed your Objections to the proposed water use reported in the Satisfactory Report of Technical Review announced on Application File Number G-12636 submitted by Wayne D. Bochler. As the result of
assessment, all of the Objections submi
WaterWatch of Oregon to this proposed u
denied.

Note: WRONG FILE # and Applicant's Name mis-stated in 1st paragraph only. Body of letter pertains to G-11975
DB
8/30

You have alleged the Technical Report i
the use as proposed is not in the publi

You have asserted the Technical Report
because the report fails to contain man
elements and evaluations required in OA

The rules of the Water Resources Commis
that the technical review analysis incl
contained in OAR 690-11-160(1)(a)-(h).
requirement that the report of technica
those elements. In order to maintain c
simplicity, a number of technical revie
included in the file checklists are not contained in
the reports.

A technical review report is a summary of the technical evaluation conducted on a water use application.

The Technical Review conducted on application #G-11975 did include consideration of the elements specified in OAR 690-11-160 (1) as is documented by the information contained in the records of the Department including the Application File.

You have alleged that the proposed uses will deplete flows and adversely affect the water quality needed to meet existing water rights for surface waters and for numerous public instream uses of the Deschutes River.

Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

You have not set forth facts to establish that the proposed use will deplete flows and adversely affect water quality. The Departments Groundwater/Hydrology Section has determined that the proposed use will not have the potential for substantial interference with the surface water. Your objection alleging flow depletion and adverse affects to water quality is denied.

Your Objections include an allegation regarding the lack of sufficient measuring and reporting in the Report's Proposed Permit Conditions. Consistent with established policy, the Department requires some form of measuring and reporting condition on all permits issued. If a permit is issued on this Application it will include a sufficient measuring and reporting condition. Measurement, recording and reporting conditions:

A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

You have alleged that the proposed use is not in the public interest because it will interfere with surface water in the basin, you have not set forth facts that establish that the proposed use will substantially interfere with the surface waters. The Groundwater/Hydrology Section has determined the proposed use will not have the potential to substantially interfere with the surface waters. Your objection alleging the proposed use will interfere with the surface waters is denied.

The proposed use is not inconsistent with the Groundwater Management Policy as established by the Water Resources Commission. The Department recognizes its obligation to protect the waters of the state from over-appropriation and the need to coordinate the management of groundwater and surface water; where to do so will protect water resources, existing rights, and the public interest.

Your objections do not meet the requirements of OAR 690-11-170 (1). The Director has determined that you have not established that the Technical Review is defective and you have not identified elements of the proposed water use that may impair or be detrimental to the public interest. You have not set forth facts which would support allegations that the proposed water use is prohibited.

You may protest this denial of your Objections. You have thirty (30) days from the date of this letter to file a protest. Your protest must comply with the standards set out in the Oregon Administrative Rules, Chapter 690, Division Two, Sections 030 through 080. (OAR 690-02-030 through 080). Send your protest by regular mail or deliver it in person.

Your protest must be received by the Water Resources Department in Salem, Oregon, no later than 5:00 p.m. on or before MAY 26 1994. Your protest must be in proper form and accompanied by a fee of $25.00.

Sincerely,

A. Reed Marbut

A. Reed Marbut, Administrator
Water Rights and Adjudications Division

cc: Crescent Water Association w/encl.

Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE ## G-11975

ROUTED TO: Tom Schoek

TOWNSHIP/
RANGE-SECTION: 24S/9E-30
25S/8E-1

CONDITIONS ATTACHED? [X] yes [ ] no

REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: Mary A Norton

TO: Water Rights Section 8/24/93, 1993

FROM: Groundwater/Hydrology Section Marc A Norton
Reviewer's Name

SUBJECT: Application G- G-11975

1. PER THE _____ Basin rules, one or more of the proposed POA's is/is not within _____ feet/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 surface water
   b. X will not source, namely Little Deschutes River; 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 water from substantial interference.

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 and/or
   b. ___ will not within the capacity of the resource; or
   c. X can, if properly conditioned, avoid injury to existing rights or to the groundwater resource;
      i. ___ The permit should contain condition #(s) 40 & 41 ;
      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.

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: _____

X

DCB

TECHNICAL REVIEW CHECKLIST

FORM-71393

(1) Application: G-11975

(2) Review Date: 10-28-93

S Indicates information was completed or adequately addressed.
U Indicates information is needed, or incomplete, or inadequately addressed
N/A Indicates Not Applicable

SUMMARY

S Completeness

S Land Use

S GW Interference (if potential interference with surface water, see results of water availability analysis)

S Conflicts NCR - Municipal

S Water Availability

(3) NA The applicant has certified that the information provided in the application is an accurate representation of the proposed use and is true and correct to the best of their knowledge.

(4) S No oath is required because application was filed before June 5, 1992.

1.8 cfs = $150

(5) S Application fees:

Examination fee:	$200
Recording fee:	$150
TOTAL REQUIRED	$350
TOTAL SUBMITTED	$ 350
AMOUNT DUE prior to issuance of permit	$ 0
AMOUNT OVERPAID refund due applicant	$

(6) S Proposed dates of beginning and completion of construction, and complete application of water.

(7) S MAP: X Prepared by a CWRE
___ Exempt under OAR 690-11-150(3)
___ A map or drawing included (non-CWRE)
___ No map or drawing in file

(8) NA A CWRE map is not required for applications filed before November 9, 1987.

(9) S A written copy of the legal description of the property on which the water is to be used.

(10) NA A copy of written authorization, contract or easement permitting access to the land or reservoir not owned by the applicant.

(11) S The proposed use is not restricted or prohibited by statute.

(12) S The source of water is not withdrawn from appropriation by order of the State Engineer or Water Resources Commission, or legislatively withdrawn under ORS Chapter 538.

(13) S Q-M use(s) is/are classified uses(s) under the KLAMATH RIVER Basin Program, OAR 690 - ORS 542.620.

(14) S The application, map and supporting data are complete and free of defects.

Land Use Compatibility:

(15) As expressed by the Planning Department of KLAMATH COUNTY

(16) N/A The land uses to be served by proposed water uses (including proposed construction) are allowed or are not regulated by the local comprehensive plan (ordinance section _____).

(17) N/A The land uses to be served by proposed water uses (including proposed construction) involve discretionary land use approvals which have been obtained.

(18) S The local government was notified, and sent no comment pursuant to the rules at the time; land use was presumed in compliance per such statement printed on the application.

For ground water applications:

(20) S A copy of the constructor's log, if available, for any well already constructed, or required information regarding actual or anticipated construction.

(21) S The report from groundwater section has been received.

For reservoir applications:

(22) NA Plans, specifications and supporting information for the dam and impoundment area.

CRESCENT WATER ASSOCIATION
P.O. BOX 247
CRESCENT, OREGON 97733

6-11975

SUBJECT: WATER RIGHTS TO OUR 3 WELLS
FILE G111975

MR TOM SHOOK
WATER RESOURCES DEPARTMENT
3850 PORTLAND ROAD NE
SALEM, OREGON 97310

DEAR TOM,

I UNDERSTAND YOU HAVE SOME QUESTIONS ON WHY WE NEED SO MUCH WATER FLOW. WE SUPPORT OUR LOCAL FIRE DISTRICT WITH FIRE HYDRANTS. WHEN THE SYSTEM WAS FIRST BUILT WE ONLY HAD TO SUPPLY 750 GPM. THE REQUIREMENTS NOW HAVE GONE TO 1500 GPM FOR 36 TO 48 HOURS. OUR 20 YEAR PLAN WITH LARGER STORAGE; PUMPING; AND LARGER PIPE SIZE WE SHOULD MEET THE FIRE CODE REQUIREMENTS.

WE ARE NOT AN INCORPORATED CITY. BUT, THE ASSOCIATION IS INCORPORATED UNDER THE SAME RULE AS CO-OPS. THUS WE PROVIDE WATER TO THE RESIDENTS AS A CITY WOULD PROVIDE WATER TO THEIR RESIDENTS. UNDER YOUR RULES THIS PUTS US AS A QUASI-MUNCIPAL SYSTEM. YOU CAN CHECK WITH THE OREGON SEC OF STATE FOR COPY OF OUR INCORPORATION PAPERS ON FILE. THE COST IS $5.00 OR $15.00 FOR CERTIFIED COPY. IF YOU WANT I CAN HAVE OUR ATTORNEY CONTACT YOU. LET ME KNOW, WHAT YOU WOULD LIKE ME TO DO.

I AM ENCLOSING ANOTHER $10.00 AND COPY OF THE USDA FOREST SERVICE PERMIT FOR THE ROSEDALE WELL.

SINCERLY,

David Crider

DAVID CRIDER
SECRETARY

EXHIBIT "D"

Well No. 1: 1,680 feet south and 1,260 feet east from the north 1/4 corner of section 30, located within the southwest 1/4 of the northeast 1/4 of section 30, T 24 S, R 9 E, Willamette Meridian, Klamath County.

Well No. 2: 1,520 feet south and 1,770 feet east from the north 1/4 corner of section 30, located within the southeast 1/4 of the northeast 1/4 of section 30, T 24 S, R 9 E, Willamette Meridian, Klamath County.

Well No. 3: 470 feet south and 770 feet west of the northeast corner of section 1, located in the northeast 1/4 of the northeast 1/4 of section 1, T 25 S, R 8 E, Willamette Meridian, Klamath County.

Application No. G 11975
Permit No.

CENTURY WEST ENGINEERING

December 5, 1989

Water Resources Department
3850 Portland Road N.E.
Salem, OR 97310

RE: File G-11975

Please find enclosed a listing of quarter-quarter sections within the proposed service area, Crescent Water Association, Crescent, Oregon, to be included with the ground water application.

Sincerely,

CENTURY WEST ENGINEERING CORPORATION

Doug McMullen
Certified Water Rights Examiner

DM/sh

Century West Engineering Corporation / Engineers and Scientists
1444 NW College Way / Post Office Box 1174 / Bend, Oregon 97709 / (503) 388-3500 / Fax: (503) 388-3500

KEEP IN FILE 6-11975

United States Department of Agriculture Forest Service	Record No. (1-2) 70	Region (3-4) 06	Forest (5-6) 01
TERM SPECIAL USE PERMIT Act of March 4, 1915, as amended July 28, 1956, or act of March 30, 1948 (Ref. FSM 2710)	District (7-8) 02	User No. (9-12) 4294	Kind of Use (13-15) 900
	State (16-17) 41	County (18-20) 035	Card No. (21) 1

Permission is hereby granted to Crescent Water Association of Crescent, OR 97733, hereinafter called the permittee, to use subject to the conditions set out below, the following described lands or improvements of:

To use pumphouse at Rosedale Residential Site (Government-owned) located at T 25S., R 8E., Sec 1 NENE. F.S. Facility #1637.

This permit covers approximately -- acres and is issued for the purpose of:

Increasing water pressure for the south end of Crescent by replacing Forest Service pump with Crescent Water Association owned pump, a 30 hp 220 gpm pump, connected to existing water system. This will better the water service to both FS and private residents. The electric meter will be turned over to Crescent Water Association.

Attached Operation and Maintenance plan is part of this permit.

Attached plat is part of this permit.

1. Construction and/or occupancy and use under this permit shall begin within immediately. This use shall be actually exercised at least 360 days each year, unless otherwise authorized in writing.

2. In consideration for this use, the permittee shall pay to the Forest Service, U.S. Department of Agriculture, the sum of Forty dollars ($40) for initial administrative costs, and thereafter annually on January 1: Provided, however, that the method of fee determination and or the annual fee may be adjusted by the Forest Service as of, and effective on, January 1 and each 5 years thereafter in order to place the charges on a basis commensurate with the value of use authorized by this permit. The holder will perform maintenance in lieu of payment of fees for use of the improvements as directed in FSM 2711.63.

3. This permit is accepted subject to the conditions set forth herein, and to conditions 20 to 24 attached hereto and made a part of this permit.

	Name of Permittee	Signature of Authorized Officer	Date
PERMITTEE	Crescent Water Assoc	Calvin L. Gardan Title President	10-27-89
	Name and Signature	Title	Date
ISSUING OFFICER	S. C. Rainville SUZANNE C. RAINVILLE	District Ranger	11/6/89

FS-2700-5 (9/72)

4. Development plans; layout plans; construction, reconstruction, or alteration of improvements; or revision of layout or construction plans for this area must be approved in advance and in writing by the forest supervisor. Trees or shrubbery on the permitted area may be removed or destroyed only after the forest officer in charge has approved, and has marked or otherwise designated that which may be removed or destroyed. Timber cut or destroyed will be paid for by the permittee as follows: Merchantable timber at appraised value; young-growth timber below merchantable size at current damage appraised value; provided that the Forest Service reserves the right to dispose of the merchantable timber to others than the permittee at no stumpage cost to the permittee. Trees, shrubs, and other plants may be planted in such manner and in such places about the permises as may be approved by the forest officer in charge.

5. The permittee shall maintain the improvements and premises to standards of repair, orderliness, neatness, sanitation, and safety acceptable to the forest officer in charge.

6. This permit is subject to all valid claims.

7. The permittee, in exercising the priviledges granted by this permit, shall comply with the regulations of the Department of Agriculture and all Federal, State, county, and municipal laws, ordinances, or regulations which are applicable to the area or operations covered by this permit.

8. The permittee shall take all reasonable precautions to prevent and suppress forest fires. No material shall be disposed of by burning in open fires during the closed season established by law or regulation without a written permit from the forest officer in charge or his authorized agent.

9. The permittee shall exercise diligence in protecting from damage the land and property of the United States covered by and used in connection with this permit, and shall pay the United States for any damage resulting from negligence or from the violation of the terms of this permit or of any law or regulation applicable to the National Forests by the permittee, or by any agents or employees of the permittee acting within the scope of their agency or employment.

10. The permittee shall fully repair all damage, other than ordinary wear and tear, to national forest roads and trails caused by the permittee in the exercise of the privilege granted by this permit.

11. No Member of or Delegate to Congress or Resident commissioner shall be admited to any share or part of this agreement or to any benefit that may arise herefrom unless it is made with a corporation for its general benefit.

12. Upon abandonment, termination, revocation, or cancellation of this permit, the permittee shall remove within a reasonable time all structures and improvements except those owned by the United States, and shall restore the site, unless otherwise agreed upon in writing or in this permit. If the permittee fails to removed all such structures or improvements within a reasonable period, they shall become the property of the United States, but that will not relieve the permittee of liability for the cost of their removal and restoration of the site.

13. This permit is not transferable. If the permittee through voluntary sale or transfer, or through enforcement of contract, foreclosure, tax sale, or other valid legal proceedings shall cease to be the owner of the physical improvements other than those owned by the United States situated on the land described in this permit and is unable to furnish adequate proof of ability to redeem or otherwise reestablish title to said improvements, this permit shall be subject to cancellation. But if the person to whom title to said improvements shall have been transferred in either manner provided is qualified as a permittee and is willing that his future occupancy of the permises shall be subject to such new conditions and stipulations as exiting or prospective circumstances may warrant, his continued occupancy of the permises will be authorized by permit to him , which may be for the unexpired term of this permit or for such new period as the circumstances justify.

14. The permittee may sublease the use of land and improvements covered under this permit and the operation of concessions and facilities authorized; Provided the express written permission of the Forest Supervisor has been secured. The permittee shall continue to be responsible for compliance with all conditions of this permit by persons to whom such permises may be sublet.

15. This permit may be revoked upon breach of any of the conditions

16. If during the term of this permit or any extension thereof, the Secretary of Agriculture or any official of the Forest Service acting by or under his authority shall determine that the public interest requires termination of this permit, this permit shall terminate upon thirty days' written notice to the permittee of such determination, and the United States shall have the right thereupon to purchase the permittee's improvements, to remove them, or to require the permittee to remove them, at the option of the United States, and the United States shall be obligated to pay an equitable consideration for the improvements or for removal of the improvements and damages to the improvements resulting from their removal. The amount of the consideration shall be fixed by mutual agreement between the United States under this clause: Provided, That if mutual agreement is not reached, the Forest Service shall determine the amount and if the permittee is dissatisfied with the amount thus determined to be due him he may appeal the determination in accordance with the Appeal Regulation (36 C.F.R. 211.20-211.37) and the amount as determined on appeal shall be final and conclusive on the parties hereto; Provided further, That upon the payment to the permittee of 75% of the amount fixed by the Forest Service, the right of the United States to remove or require the removal of the improvements shall not be stayed pending final decision on appeal.

17. The permittee agrees that the amount which the United States shall be required to pay for improvements in accordance with Clause 16 shall in no event exceed $12,318.75, and that this instrument may be introduced in any judicial proceedings for the acquisition of such improvements by the United States as the stipulation of the permittee and the United States with regard to the maximum amount which the United States shall be required to pay for the taking thereof.

18. In case of change of address the permittee shall immediately notify the forest supervisor.

19. In the event of any conflict between any of the preceding printed clauses or any provision thereof and any of the following clauses or any provisions thereof, the following clauses control.

20. If during the term of this permit, the Forest Service determines the public interest requires revision of the conditions of use or the termination of the use of Government-owned improvements, the use of which is authorized by this permit, said conditions of use may be revised or the use terminated or suspended at the discretion of the Regional Forester.

21. The holder shall repair, replace, or restore any damage to or loss of the premises covered by this authorization caused by fire or other casualty including consequential damages to said premises resulting from fire or other casualty, including fires or other casualties beyond the control of and without the fault of the holder, and shall have in force fire and other casualty insurance covering the Government-owned improvements, the use of which is authorized by this permit.

Such fire and other casualty insurance shall be in the amount of twenty thousand dollars ($25,000) and shall name the United States as beneficiary of proceeds payable as a result of claims for damage from fire or other casualty. The holder shall furnish the Forest Service an authenticated copy of the insurance policy. The policy shall also contain specific provision or rider to the effect that the policy will not be cancelled or its provisions changed before 30 days written notice to the Forest Supervisor.

22. The holder shall maintain the present improvements as well as any future improvements, appurtenances and furnishings in full conformance with the Operations and Maintenance Plan, which is hereby made a part of this permit.

23. If during the term of this permit, the Government-owned improvements are altered, reconstructed or modified in any way, the material, equipment, fixtures or other appurtenances which are affixed to or made a part of said improvements in connection with the alteration project shall become a part of the property. Ownership shall accure to the Government, regardless of whether said work is performed by the holder or any other party.

24. Unless sooner terminated or revoked by the authorized officer, in accordance with the provisions of the authorization, this authorization shall expire and become void on December 31, 1994, but a new special-use authorization to coopy and use the same National Forest System land may be granted provided the holder will comply with the then-existing laws and regulations governing the occupancy and use of National Forest lands and shall have notified the authorized officer not less than three months prior to said date that such new authorization is desired.

STATE OF OREGON

COUNTY OF KLAMATH

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

CRESCENT WATER ASSOCIATION
PO BOX 123
CRESCENT, OREGON 97733

to use the waters of THREE WELLS in the LITTLE DESCHUTES RIVER BASIN for QUASI MUNICIPAL USES.

This Permit is issued approving Application G-11975. The date of priority is OCTOBER 19, 1989. The use is limited to not more than 1.8 CUBIC FEET PER SECOND or its equivalent in case of rotation, measured at the wells.

The wells are located as follows:

SW 1/4 NE 1/4, SECTION 30, T 24 S, R 9 E, W.M.; WELL 1 - 1680 FEET SOUTH AND 1260 FEET EAST FROM N 1/4 CORNER OF SECTION 30.

SE 1/4 NE 1/4, SECTION 30, T 24 S, R 9 E, W.M.; WELL 2 - 1520 FEET SOUTH AND 1770 FEET EAST FROM N 1/4 CORNER OF SECTION 30.

NE 1/4 NE 1/4, SECTION 1, T 25 S, R 8 E, W.M.; WELL 3 - 470 FEET SOUTH AND 770 FEET WEST FROM NE CORNER OF SECTION 1.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the proposed place of use under the permit is as follows:

NW 1/4 NE 1/4
S 1/2 NE 1/4
SE 1/4 NW 1/4
SW 1/4
SE 1/4
SECTION 25
TOWNSHIP 24 SOUTH, RANGE 8 EAST, W.M.
SE 1/4 NE 1/4
E 1/2 SW 1/4
SE 1/4
SECTION 36
TOWNSHIP 24 SOUTH, RANGE 8 EAST, W.M.
NE 1/4
S 1/2 NW 1/4
SW 1/4
NW 1/4 SE 1/4
SECTION 30
W 1/2 NW 1/4
SECTION 31
TOWNSHIP 24 SOUTH, RANGE 9 EAST, W.M.
N 1/2 NE 1/4
NE 1/4 NW 1/4
SECTION 1
TOWNSHIP 25 SOUTH, RANGE 8 EAST, W.M.

The water user shall report a March static water level in the well(s) to the Groundwater/Hydrology Section of the Water Resources Department by April 15 of each year. The measurement shall be made and calculations detailed by a certified water rights examiner, registered professional geologist, certified engineering geologist, or professional engineer.

Measurement, recording and reporting conditions:

A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

The permittee shall obtain a static water-level measurement for each well during March of each year and report the measurement to the Department within thirty days. The measurement shall be made by a certified water-rights examiner, registered professional geologist, certified engineering geologist, professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board. Water levels shall be reported as depth-to-water below ground level and shall be accompanied by supporting calculations. Reports and calculations shall be provided to the Department on forms provided by the Department and shall be certified as to their accuracy by the individual making the measurements. If a well listed on this permit displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the permittee shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the permittee's or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The reference level for water-level declines shall be the second annual measurement taken after water use begins under the terms of this permit. The permittee shall in no instance allow excessive decline to occur within the aquifer as a result of use under this permit.

Use of water from the wells shall not be allowed if the wells displays an (A) average water level decline of 3 or more feet per year for 5 consecutive years, or (B) a water level decline of 15 or more feet in fewer than 5 consecutive years, or (C) a water level decline of 25 or more feet, or (D) a hydraulic interference decline of 25 or more feet in any neighboring well with senior priority which provides water for an authorized use.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The Water Resources Department has determined that the initial water level in the wells are those of the initial March report. That is the level from which the cited declines in (A), (B) and (C) above will be referenced.

Within one year of permit issuance, the association shall submit a conservation management plan consistent with Oregon Administrative Rule 690-86.

The well shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works constructed shall include an air line and pressure gauge or an access port for a measuring line, adequate to determine water level elevation in the well at all times. When required by the department, the permittee shall install and maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

Actual construction work shall begin on or before April 24 , 1996 and shall be completed on or before October 1, 1999. Complete application of the water to the use shall be made on or before October 1, 1999.

This permit is for the beneficial use of water without waste. By law, the land use associated with this water must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use granted herein may be made only at times when sufficient water is available to satisfy all prior rights.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, would not impair or be detrimental to the public interest.

Issued this date, April 24 , 1995.

Water Resources Department
Martha O. Pagel
Director

Oregon

WATER
RESOURCES
DEPARTMENT

April 24, 1995

TO: File G-11975 - Crescent Water Association

FROM: Martha O. Pagel, Director

SUBJECT: ISSUANCE OF PERMIT APPROVING APPLICATION G-11975

The application requests the use of 1.8 cubic feet per second of water from three wells within the Deschutes River Basin. The proposed use is within the Deschutes River Basin, in a drainage that contributes surface water to the Deschutes River state scenic waterway. Therefore, an analysis of the available water is required.

The source of water is groundwater. Staff have determined that the proposed use of water from the wells will not have the potential for substantial interference with the nearest surface water source. Since the appropriation of water from the well will not have the potential for substantial interference with the nearest surface water source, any water use from the wells would not have an adverse effect on the Deschutes River Scenic waterway.

Accordingly I find that:

Water is available and the proposed use will not interfere with maintaining the free-flowing character of the waters within the scenic waterway in quantities necessary for recreation, fish and wildlife.

I also find that:

The diversions are necessary to one or more uses designated in ORS 536.310(12).

The permit may be issued.

FIND79

Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

2001

Oregon Water Resources Department
October 2001 through September 2002
Annual Water Use - Monthly Quantities Form

USER-ID 28155

2002

WRD

QM

Facility ☞ / POD-ID ✏	PUMP #1 36638	PUMP #2 36639	PUMP #3 36640		
October - 2001	4515100	2001000	218300		
November - 2001	3320900	1442000	17900		
December - 2001	446500	1594000	444600		
January - 2002	2928000	453700	312100		
February - 2002	825000	347500	1702800		
March - 2002	820000	187200	2445000		
April - 2002	819000	963200	967700		
May - 2002	2125000	2799500	0		
June - 2002	1544000	2609000	98000		
July - 2002	1118000	3021600	1917800		
August - 2002	2028000	5316400	2848700		
September - 2002	1183000	4221700	2986600		
TOTAL * G	21709138	24993439	13496140		

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MAR 21 2003
WATER RESOURCES DEPT
SALEM, OREGON

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: Flow Meter. If use is irrigation, total number acres irrigated _____

I certify this information is true and accurate to the best of my knowledge.

David L. Cuder — Signature
OPERATOR — Title
Crescent Water Association — Reporting Entity
3-19-2003 — Date

DAVID G. CUDER
Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program; 158 12th Street NE; Salem, OR 97310-0210

OREGON WATER RESOURCES DEPARTMENT SUMMARY OF WATER RIGHTS FOR WATER USE REPORT

Dear Water User: Your water use report for October 2001 to September 2002 has not been received by our office. This information is important for water management in Oregon. Please complete the form on the reverse side for the water rights listed below. If you have questions, or need more time please, contact me at 503-378-8455 ext. 333. Thank you for your attention to this matter. Mary Grainey

DAVID CRIDER OPERATOR/~~SECRETARY~~ USER-ID 28155

CRESCENT WATER ASSOCIATION
PO BOX 247
CRESCENT OR 97733-0247

POD-ID	FACILITY	CERT	PERMIT	APPL	PRIORITY	USE	L/S	TWP	RANGE	SEC	Q/Q	RATE	SOURCE	TRIBUTARY TO
36638	PUMP #1	0 G	11990	G 11975	10/19/1989	QM	L	24 S	9 E	30	SWNE	1.8 C P	WELL 1	L DESCHUTES R
36639	PUMP #2	0 G	11990	G 11975	10/19/1989	QM	L	24 S	9 E	30	SENE	1.8 C A	WELL 2	L DESCHUTES R
36640	PUMP #3	0 G	11990	G 11975	10/19/1989	QM	L	25 S	8 E	1	NENE	1.8 C A	WELL 3	L DESCHUTES R

TOWNSHIP 24 S RANGE 9 E W. M. See back of Card for Lots SECTION 19

NE				NW				SW				SE				Application Number	Permit Number	Certificate Number
NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE			
	~~Mfg~~							Mfg			Mfg		Mfg	Mfg		12972	9240	12239
								~~Mfg~~ Dom			~~Mfg~~ Dom	~~Mfg~~ ~~Dom~~	~~Mfg~~ Dom	~~Mfg~~ Dom		12971	9241	12240
		~~Dom~~ ~~Mun~~	Dom Mun				~~Dom~~ ~~Mun~~	~~Dom~~ ~~Mun~~				Dom Mun	Dom Mun	Dom Mun	Dom Mun	U-118	U-112	12508
~~Mun~~	~~Mun~~	~~Mun~~	Mun					~~Mun~~	Mun	~~Mun~~	~~Mun~~	Mun	Mun	Mun	Mun	U-122	U-116	13433
~~Mun~~	~~Mun~~	~~Mun~~	Mun					Mun	~~Mun~~	~~Mun~~	Mun	Mun	Mun	Mun	Mun	U-392	U-360	24582
MUN																G-11975		

TOWNSHIP 24 S, RANGE 9E W. M. SECTION 30

NE				NW				SW				SE				Application Number	Permit Number	Certificate Number
NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE			
					Lot-1	Lot-2			Lot-3	Lot-4								
TOTAL ACREAGE IN SUBDIVISION AS SHOWN ON GOVERNMENT PLAT					39.72	39.80			39.88	39.96								
	Mfg	Mfg		Mfg			Mfg									12972	9240	12239
	.56	.47														~~27375~~	~~21776~~	CANCELLED
MUN																G-11975		

(SEE BACK OF CARD FOR PLAT OF SECTION)

TOWNSHIP 24 S. RANGE 9E W. M. SECTION 31

NE				NW				SW				SE				Application Number	Permit Number	Certificate Number
LOT	LOT	LOT	LOT	LOT	LOT 1	LOT 2	LOT	LOT	LOT 3	LOT 4	LOT	LOT	LOT	LOT	LOT			
NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE			
ACREAGE IN LOT OR LEGAL SUBDIVISION AS SHOWN ON GOVERNMENT PLAT IF OTHER THAN 40 ACRES					40	40			40	40								
						15										1368	E94	3383
MUN																G-11975		

F.S. = 1 MGD = 23 GPM
Comm - 4@10K/D = 42 "
Schools 1/2 MGD = 12 "
Residents say 200 GPM
277 " = 0.6 CFS VS 1.8 CFS

EPD

Application No. G11975

Permit No. G11990

10/19/89

Name Crescent Water Association

Address P.O. Box 123, Crescent, OR 97733

Assigned 247

Address

Beginning construction APR 24 1996

Completion of construction OCT 1 1997

Extended to

Complete application of water OCT 1 1998

Extended to

Form 111

R.8E | R.9E

24 | 19
25 | 30

GILCHRIST POND

TO FOOTBALL FIELD IN GILCHRIST
3 METER, 3 DOUBLE CHECK BACKFLOW PREVENTER AT FOOTBALL FIELD

RESERVOIR 250,000 gal

WELL NOS 1&2

TO POWERLINE EASEMENT

CRESCENT ROAD (County)

ROAD 100'

JUG DRIVE

RIVER

WEST

SOUTH ARM

(STAHL)

RIVER

(Klamath Northern)

GILCHRIST R.R.

Proposed 8" Line

NO. 97

PROPOSED 8" LINE

TO POWERLINE EASEMENT

RIDDLE

ACRES

A.R.V.

Rosedale Residential Site (U.S.F.S.)

4" METER

WELL NO. 3

TO COLD STORAGE

WELL NO. 3

T. 24 S.

T. 25 S.

LEGEND
- PROPOSED LINES
- PROPOSED RESERVOIR
- PROPOSED FH

N

SCALE 1"=400'

WELL NO. 1 IS LOCATED 1680' SOUTH & 1260' EAST OF THE N 1/4 COR SEC 30, T24S, R9E

WELL NO 2 IS LOCATED 1520' SOUTH & 1770' EAST OF TH N 1/4 COR, SEC 30, T24S, R9E

WELL NO 3 IS LOCATED 470' SOUTH & 770' WEST OF THE NE COR SEC 1, T 25 S R8E

THE PURPOSE OF THIS MAP IS TO IDENTIFY THE LOCATION OF THE WATER RIGHT. IT IS NOT INTENDED TO PROVIDE INFORMATION RELATIVE TO THE LOCATION OF PROPERTY OWNERSHIP BOUNDARY LINES.

MAP UPDATED 4-28-87
10-21-88

DRAWN BY	L.M.O.	CHECKED BY	W.P.C.	CRESCENT WATER ASSOCIATION		APPROVED W.P.C.	CENTURY WEST ENGINEERING
SURVEY BY		SCALE	1" = 200'	WATER		DATE 12-22-88	
DRAWN BY	T.M.W.	DWG. NO.	0168.007-F1	DISTRIBUTION SYSTEM			

LEGEND
- TEE
- GATE VALVE
- CHECK VALVE
- FIRE HYDRANT
- AIR RELIEF VALVE
- BLOW OFF
- PROPOSED LINE
- PROPOSED FH

Application No. G-11975
Permit No. G11990

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OCT 19 1989
WATER RESOURCES DEPT.
SALEM, OREGON

No	By	Revisions	Date
1		POWERLINE & RR EASEMENTS	12-88
2		ADD PROPOSED SYSTEM	12-88
3	WL	UPDATED	12-88
4	WEL	UPDATED	11-88-84
5	WEL	"	3-10-85
6	GMM		10-21-89

Drawn By: M. KING
Checked By: L.M.O.
Approved By: L.M.O.
Date: 12-20-77
Scale: 1" = 200'
Job No. 168.007-F1

CRESCENT WATER ASSOCIATION

WATER DISTRIBUTION SYSTEM

R.8E | R.9E

24 | 19
25 | 30

R. 8 E.

R. 9 E.

24 19
25 30

GILCHRIST POND

RIVER

CRESCENT CITY

ROAD 100' CRESCENT ROAD (County)

SOUTH AIRPORT DR.

AIRPORT

JOG DRIVE

TROUT

EXISTING 2½" UPGRADE TO 8"

(STAHL) 1900

TO FOOTBALL FIELD IN GILCHRIST
1" METER, 1" DOUBLE CHECK BACKFLOW PREVENTER AT FOOTBALL FIELD

ARS

RESERVOIR 250,000 GAL.

20' POWERLINE EASEMENT

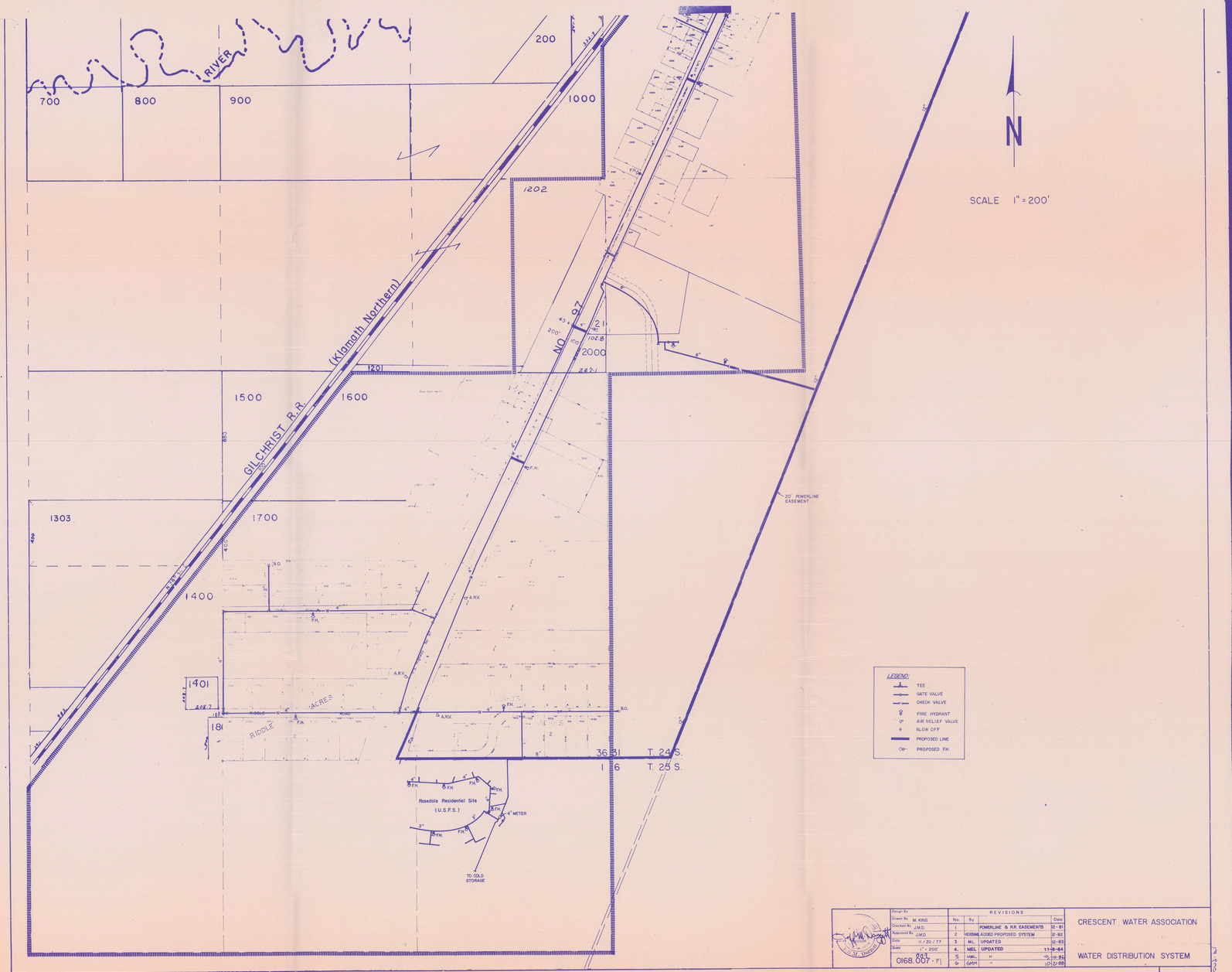
LEGEND:
PROPOSED LINES
PROPOSED RESERVOIR
PROPOSED F.H.

MAP UPDATED 8-28-87
10-21-88

DRAWN BY	J.M.D.	CHECKED BY	W.P.C.	CRESCENT WATER ASSOCIATION	APPROVED W.P.C.
SURVEY BY		SCALE	1" = 200'	WATER DISTRIBUTION SYSTEM	DATE 12-22-88
DRAWN BY	S.M.M.	DWG. NO.	1088.01.01		

CENTURY WEST ENGINEERING

1.088.01-F1



Drawn By	M. KING	REVISIONS		
Checked By	J.M.D.	No.	By	
Approved By	J.M.D.	1		POWERLINE & R.R. EASEMENTS
Date	11/20/77	2	KDR/MEL	ADDED PROPOSED SYSTEM
Scale	1" = 200'	3	MEL	UPDATED
Job No.	0168.007 - F1	4.	MEL	UPDATED
		5	MEL	"
		6	GKM	"

Date	12 - 81
	12 - 82
	12 - 83
	11-6-84
	10-24-85
	01-21-86

CRESCENT WATER ASSOCIATION

WATER DISTRIBUTION SYSTEM

Century West Engineering Corporation

Bend, Oregon

2/2

59

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SALEM, OREGON

CRESCENT WATER ASSOCIATION
WATER RIGHTS MAP

SEPTEMBER 27, 1999
PROJECT NO. 10168.012.01

LEGEND
- EXISTING WATER LINE
- PROPERTY LINE
- TOWNSHIP/RANGE LINE
- SECTION LINE
- 40 LINE
- WATER ASSOCIATION BOUNDARY
- WATER LINE OUT OF SERVICE

N

SCALE OF FEET
SCALE: 1"=400'

SCALE: 1"=400'

Certified Water Right Examiner
#405WRE
Stephen A. Liska
May 16, 1995
STATE OF OREGON

Application G-11975
Permit G-11990
COBU MAP # 0059

R. 8 E. | R. 9 E.

24 | 19
25 | 30

GILCHRIST POND

TO FOOTBALL FIELD IN GILCHRIST
3" METER, 3" DOUBLE CHECK BACKFLOW PREVENTER AT FOOTBALL FIELD

ARV

RESERVOIR 250,000 GAL.

WELL NOS 1&2

20' POWERLINE EASEMENT

ROAD 100'

CRESCENT ROAD (County)

GARY

JUG DRIVE

RIVER WEST

SOUTH AIRPORT DR.

EXISTING 2½" UPGRADE TO 8"

(STAHL) 1900

3500 STRIP

2400 AIR

CRESCENT

ORIGINAL TOWN

RIVER

Proposed 8" Loop

(Klamath Northern) GILCHRIST R.R.

NO. 97

Proposed 12 to 8" Loop

20' POWERLINE EASEMENT

Proposed Service Boundary

Rosedale Residential Site (U.S.F.S.)

4" METER

WELL NO. 3

TO COLD STORAGE

WELL NO. 3

RIDDLE ACRES

36 31 T. 24 S.
1 6 T. 25 S.

LEGEND:
- PROPOSED LINES
- PROPOSED RESERVOIR
- PROPOSED FH

MAP UPDATED 8-28-87
10-21-88

DRAWN BY	J.M.D.	CHECKED BY	W.P.C.	CRESCENT WATER ASSOCIATION WATER DISTRIBUTION SYSTEM	APPROVED W.P.C.
SURVEY BY		SCALE	1" = 200'		DATE 12-22-86
DRAWN BY	S.M.M.	DWG. NO.	0168.01.01		

Century West Engineering

SCALE 1"=400'

N

WELL NO. 1 IS LOCATED 1680' SOUTH & 1260' EAST OF THE N¼ COR, SEC. 30, T24S, R9E

WELL NO. 2 IS LOCATED 1520' SOUTH & 1770' EAST OF TH N¼ COR, SEC 30, T24S, R9E

WELL NO. 3 IS LOCATED 470' SOUTH & 770' WEST OF THE NE COR SEC 1, T 25 S R8E

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LEGEND:
- TEE
- GATE VALVE
- CHECK VALVE
- FIRE HYDRANT
- AIR RELIEF VALVE
- BLOW OFF
- PROPOSED LINE
- PROPOSED F.H.

Certified Water Right Examiner
Douglas D. M. Mark
Nov. 10, 1987
STATE OF OREGON

Application No. G-11975
Permit No. G11990

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WATER RESOURCES DEPT.
SALEM, OREGON

RECEIVED
OCT 13 1989
WATER RESOURCES DEPT.
SALEM, OREGON

Drawn By	M. KING	No.	By	REVISIONS	Date
Designed By	J.M.D.	1		POWERLINE & R/R EASEMENTS	12-87
Approved By	J.M.D.	2	KORSMO	LOCKED PROPOSED SYSTEM	12-87
Date	11/20/77	3	MIL	UPDATED	12-87
Scale	1" = 200'	4	MEL	UPDATED	11-18-88
Job No.	0168.007-F1	5	MEL	"	5-10-88
		6	GMM	"	10-21-88

CRESCENT WATER ASSOCIATION
WATER DISTRIBUTION SYSTEM

Bend, Oregon

2/2