RECEIPT # 108218

STATE OF OREGON RESOURCES DEPARTMENT

3850 PORTLAND ROAD NE

SALEM, OR 97310

378-8455/378-8130 (FAX)

M: Gustine H KI	aggetty	APPLICATION	
-	0.4	PERMIT	
		TRANSFER	
HECK: # OTHER: (IDENTIFY)			
11-24	Т	OTAL REC'D	\$6000
WRD MISC CASH ACCT			
ADJUDICATIONS			\$ 600.0
			\$
PARKING FEES Name/month			\$
OTHER: (IDENTIFY)			s
(,			
TION OF EXPERSE	CASH AC	ČT.	\$
OST CENTER AND OBJECT CLASS		R#	
WRD OPERATING ACCT			
MISCELLANEOUS:			
COPY FEES			\$
RESEARCH FEES			\$
MISC REVENUE: (IDENTIFY)			\$
OTHER (P-6) (IDENTIFY)			\$
WATER RIGHTS:	EXAM FEE		RECORD FE
SURFACE WATER	\$	842.002	\$
GROUND WATER	\$	842.004	\$
TRANSFER	\$	842.006	\$
WELL CONSTRUCTION	EXAM FEE		LICENSE FEI
WELL DRILL CONSTRUCTOR	\$	842.023	\$
LANDOWNER'S PERMIT		842.024	\$
OTHER (IDENTIFY)			
WELL CONST START FE	E	THE STATE OF THE S	2000
WELL CONST START FEE	\$	CARD #	
MONITORING WELLS	\$	CARD #	
LOTTERY PROCEEDS			
LOTTERY PROCEEDS			\$
HYDRO ACTIVITY	LIC NUMBER		
POWER LICENSE FEE(FW/WRD)			\$
HYDRO LICENSE FEE(FW/WRD)			\$
HYDRO APPLICATION			\$
	WRD MISC CASH ACCT ADJUDICATIONS PUBLICATIONS/MAPS PARKING FEES Name/month OTHER: (IDENTIFY) TION OF EXPENSE DIST CENTER AND OBJECT CLASS WRD OPERATING ACCT MISCELLANEOUS: COPY FEES RESEARCH FEES MISC REVENUE: (IDENTIFY) OTHER (P-6) (IDENTIFY) WATER RIGHTS: SURFACE WATER GROUND WATER TRANSFER WELL CONSTRUCTION WELL CONSTRUCTOR LANDOWNER'S PERMIT OTHER (IDENTIFY) WELL CONST START FEE MONITORING WELLS LOTTERY PROCEEDS HYDRO ACTIVITY POWER LICENSE FEE(FW/WRD) HYDRO LICENSE FEE(FW/WRD)	WRD MISC CASH ACCT ADJUDICATIONS PUBLICATIONS/MAPS PARKING FEES Name/month OTHER: (IDENTIFY) TION OF EXPENSE CASH ACC OST CENTER AND OBJECT CLASS WRD OPERATING ACCT MISCELLANEOUS: COPY FEES RESEARCH FEES MISC REVENUE: (IDENTIFY) OTHER (P-6) (IDENTIFY) WATER RIGHTS: SURFACE WATER GROUND WATER TRANSFER WELL CONSTRUCTION WELL DRILL CONSTRUCTOR LANDOWNER'S PERMIT OTHER (IDENTIFY) WELL CONST START FEE MONITORING WELLS LOTTERY PROCEEDS LOTTERY PROCEEDS HYDRO ACTIVITY POWER LICENSE FEE(FW/WRD) HYDRO LICENSE FEE(FW/WRD) HYDRO LICENSE FEE(FW/WRD)	PERMIT TRANSFER THECK: # OTHER: (IDENTIFY) TOTAL REC'D WRD MISC CASH ACCT ADJUDICATIONS PUBLICATIONS/MAPS PARKING FEES Name/month OTHER: (IDENTIFY) TION OF EXPENSE CASH ACCT. WRD OPERATING ACCT MISCELLANEOUS: COPY FEES RESEARCH FEES MISC REVENUE: (IDENTIFY) OTHER (P-6) (IDENTIFY) WATER RIGHTS: SURFACE WATER GROUND WATER TRANSFER WELL CONSTRUCTION WELL CONSTRUCTOR LANDOWNER'S PERMIT OTHER (IDENTIFY) WELL CONST START FEE WOLL CONST START FEE WOLL CONST START FEE WELL CONST START FEE WOLL CONST START FEE WELL CONST START FEE WONITORING WELLS LOTTERY PROCEEDS HYDRO ACTIVITY POWER LICENSE FEE(FW/WRD) HYDRO LICENSE FEE(FW/WRD) HYDRO LICENSE FEE(FW/WRD)

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

SURFACE WATER REGISTRATION CHECKLIST

(received after July 18, 1990)

CHECK BASIN MAP DEKNAME Unipqua # 16	UNADJUDICATED AREA ? YRS			
RECEIPT # 108218	swrnumber 632			
CHECK ENCLOSURES DEK PREI	LIMINARY DATA BASE ENTRY NA			
ACKNOWLEDGEMENT LETTER DEL OW	ENTER ON STREAM INDEX			
CHECK QUADRANGLE MAP	CHECK GLO PLATS			
WATERMASTER CHECKLIST PUBI	LIC NOTICE PUBLICATION			
blanks filled in signed date received stamped MAP REVIEW Source and trib diversion point location conveyances (pipes, ditch, etc.) place of use scale township, range, section north arrow CWRE stamp disclaimer date survey was performed P.O.B. of survey dimensions and capacity of diversion system "beneficial use" type title "permanent-quality" paper 1/10th acre				
WATER RIGHT RECORD CHECK FIEL	D INSPECTION			
FINAL FILE REVIEW FINAL DAT	'A BASE ENTRY			
ENTER ON PLAT CARDS				

M:\WP51\SWR\CHCKLIST.1

7-30-92

Oregon

February 8, 1994

WATER
RESOURCES
DEPARTMENT

EUGENE A HAGGERTY 1022 SAN LUIS CIRCLE - 618 DALY CITY CA 94014

RE: SWR-632

Dear Mr Haggerty,

I am sending a copy of the order accepting your surface water registration claiming a pre-1909 vested water right. It has been filed in the records of the Water Resources Department (WRD). Your claim has been numbered SWR-632 and you should refer to that number in any correspondence.

If you have any questions, please give me a call. The toll free number is 1-800-624-3199.

Sincerely,

Don Knauer

Adjudication Specialist

j:\w\s\c\6\swr-632.004



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

BEFORE THE DIRECTOR OF THE OREGON WATER RESOURCES DEPARTMENT SALEM, OREGON

IN THE MATTER OF THE SURFACE WATER REGISTRATION STATEMENT TO BE FILED IN THE NAME EUGENE A HAGGERTY ORDER ACCEPTING SURFACE WATER REGISTRATION STATEMENTS (Late filing)

The above entitled matter comes before the Director for authorization to file a Surface Water Registration Statement after the filing deadline of December 31, 1992.

It appears that the claimed use of water has not been abandoned, that water has been applied to beneficial use and that the use of water by the claimant is subject to registration pursuant to ORS 539.240(4).

NOW, THEREFORE, it is hereby ORDERED that the Department accept for filing Surface Water Registration Statement in the name of

EUGENE A HAGGERY 1022 SAN LUIS CIRCLE 618 DALY CITY CA 94014

January $\frac{3}{1}$, 1994.

Martha O. Pagel, Director

Recorded in Special Order Volume 48, Page 96.

SWR.DWF



January 21, 1994

WATER
RESOURCES
DEPARTMENT

EUGENE A HAGGERTY 1022 SAN LUIS CIRCLE 618 DALY CITY CA 94014

RE: Surface Water Registration Statement

Dear Mr Haggerty,

This will acknowledge the receipt of the surface water registration statement in your name and the map prepared by Harvey Wilcox, CWRE, to support your claim. I will prepare an order for the Directors signature in the near future. I will send you a copy once it has been signed.

Sincerely,

Don Knauer

Adjudication Specialist

j:\w\s\c\6\haggerty.003



3850 Portland Rd NE Salem, OR 97310 (503) 378-3739 FAX (503) 378-8130 January 6, 1994



W A T E R R E S O U R C E S D E P A R T M E N T

EUGENE A HAGGERTY 1022 SAN LUIS CIRCLE 618 DALY CITY CA 94014

RE: Late Surface Water Registration Statement

Dear Mr Haggerty,

This will acknowledge the receipt of your letter and check for \$ 600.00. I have enclosed our receipt # 108218. Thank you for your attention to this matter.

Before we can proceed with processing your claim, we do need to have the original form that you submitted and the original map prepared by the Water Right Examiner. Would you please return those to our office.

Once we have received the form and map, an order allowing the late filing will be prepared for the Directors signature. After the order is signed, processing of the claim will take place.

If you have any questions, please give me a call.

Sincerely,

Don Knauer

Adjudication Specialist

J:\W\S\C\6\HAGGERTY.002



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

HAGGERTY Oregon

VO «

Sent Back

DEPARTMENT

WATER

RESOURCES

April 14, 1993

EUGENE A HAGGERTY 1022 SAN LUIS CIRCLE - 618 DALY CITY CA 94014 motrusturs Dill

Dear MR HAGGERTY,

The Surface Water Registration Statement that you have submitted arrived without the fees required under ORS 539.081. Enclosed you will find your Surface Water Registration Statement along with any supporting documents that you may have submitted. We have kept a copy for our records.

The deadline for filing a claim was December 31, 1992.

Instructions for filing a claim late are enclosed. The fee schedule is printed on the back of that sheet.

Please feel free to contact this office if you have any questions.

Sincerely,

Dwight French

Adjudication Section

Enclosures



RECEIVED

JAN 0 4 1993

WATER RESOURCES DEPT. SALEM, OREGON

STATE OF OREGON WATER RESOURCES DEPARTMENT

SURFACE WATER REGISTRATION STATEMENT PRE-1909 VESTED WATER RIGHT CLAIM

1. Name of Registrant: EVEENE A. HAGGERTY Mailing Address: 1022 San Lui's Circle - 618 Daly CITY, CA 94014 Telephone No: 415-586-0898
1. Name of Registrant:
Mailing Address: 1077 San Luis Circle 618
1031 C114, CA 99014 Telephone No: 413-386-0898
2. Source of water: Unnamed theam
Z. Source of water: Share 11 2011/1= 0
Tributary to: SMITH RIVER
3. Purpose(s) for which water is used: Domestic and Stockwater
(Irrigation, Stockwater, Domestic, Hydroelectric power, Industrial, Etc.)
If irrigation, total number of acres irrigated:
The second of th
4. Priority Date 1906 (first house)
a) Date of first use:
b) bate water use development mot mituated.
c) Name of party who initiated development:
5. Amount of water claimed: . ol , in CFS or GPM for Domes lic (Water put to beneficial use), ol CFS - for Stockwater
6. Location of place of use:
() 33 Sections, Township 90 N/S, Range 10 E/W.
(a) 34/37/38 Sections, Township 30 N/S, Range 10 E/W.
(3) 33 Section, Township 20 N/S, Range 10 E/W
3 33 Section, Township & ON/S, Range
7. Usual period of use: / to / / to /
month day month day

8. Remarks: Chore and request extensi	hired Harvey Wilcop on of time for conslition of this ecenter 31, 1993 (See attacked letter).
application to D	exerter 31, 1993 (see attacked letter).
9. Total fees submitted with	h claim: #200 donestie; #200 stockwolening
Notarized Statement Signe	ed by Claimant.
STATE OF OREGON County of <u>San Flan</u>) : ss !nesseo)
depose and say that I, and water right described here	being the claimant of the existing surface ein, have read the contents of this claim and ge all of the matters stated herein
Signed and attested before	me this 30th day of Mea., 1992
OFFICIAL NOTARY SEAL NANCY F YEE Notary Public — California SAN FRANCISCO COUNTY My Cornm Expires JUN 23,1995	NOTARY PUBLIC for the State of Oregon My commission expires: 6/23/95
CERTIFIED WATER RIG	ACCOMPANIED BY A MAP PREPARED BY A SHT EXAMINER (CWRE). Certified Water Right Examiner
extension request above.)	Name: HARYEY WILCOX CWRE#: 142
obore.)	Address: 3190 North Lake Road Lake side, OR 97449 Telephone: 503-759-4467
	Telephone: 503-759-4467

RECEIVE

JAN 04 1993

Oregon

WATER RESOURCES DEPT. SALEM, OREGON

November 13, 1992

WATER
RESOURCES
DEPARTMENT

EUGENE A HAGGERTY 1022 SAN LUIS CIRCLE - 618 DALY CITY CA 94014

RE: Surface Water Registration

Dear Mr. Haggerty,

Reed Marbut, my supervisor, has asked me to respond to your letter dated October 7, 1992.

You have indicated that you have a claim to make but your budget makes it impossible for you to complete the claim by December 31, 1992.

As you know, the deadline for filing Surface Water Registrations is December 31, 1992. ORS 539.240 (4) allows a claimant to petition the director to accept a late claim "for good cause shown." The deadline for filing late with petition is December 31, 1993. If you file late you must pay 1 1/2 times the normal fee.

I have enclosed a copy of ORS 539.240 (4) for your review.

Please feel free to write or call if you have any questions.

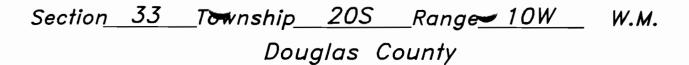
Sincerely,

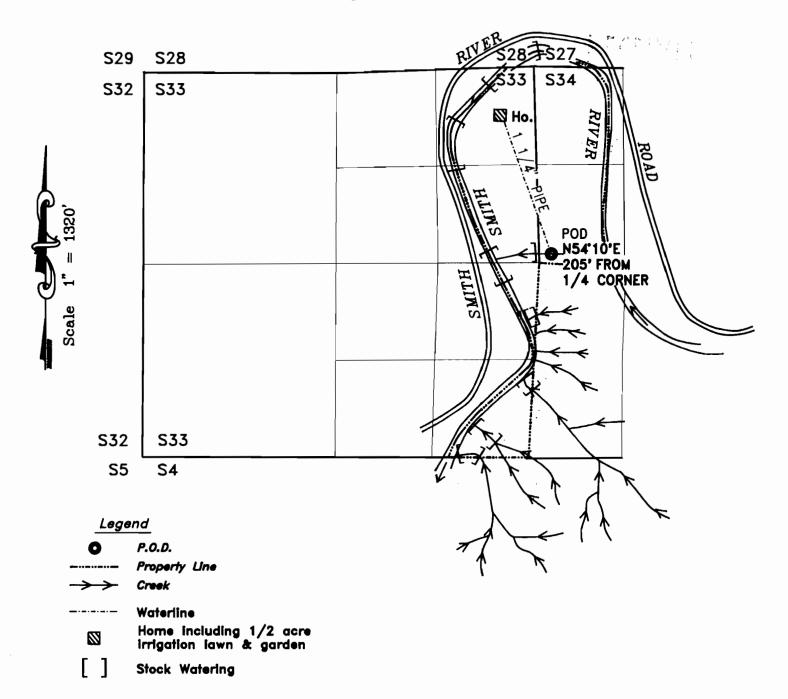
Dwight French Adjudication Section

Enclosed: copy of ORS 539.240 (4)



3850 Portland Rd Ni Salem, OR 97310 (503) 378-3739 EAX (503) 378-8130





EXAMINERS DISCLAIMER STATEMENT

The preparation of this map was for the purpose of identifying the location of the Water Right only and has no intent to provide dimensions or location of property ownership lines.

PRE 1909 VESTED WATER RIGHTS SURVEY

IN THE NAME OF

Eugene Haggerty

Surveyed on December 20,1992 by H.A. Wilcox

Harvey Wilcox
Hov. 19, 1987

EXPIRES 12/31/94

CLAIM OF BENEFICIAL USE AND SITE REPORT FOR PRE 1909 VESTED TO THE STATE OF THE PROPERTY OF TH WATER RIGHTS.

FEB J 2 1993

MARLER ME CONCLES DOPY SACE A. ORECON

INFORMATION:

∕.

THE PERMITEE IS EUGENE HAGGERTY. I TALKED TO TERRY TISDELL AT THE SITE AND HE SHOWED ME THE SYSTEM. TERRY IS A RENTER AND LIVES ON THE PROPERTY. THE DOMESTIC SYSTEM IS GRAVITY FROM A UNNAMED STREAM. THE STOCK WATERING IS INSTREAM FROM 5 UNNAMED STREAMS AND FROM SMITH RIVER.

ADDRESS: EUGENE HAGGERTY 1022 SAN LUIS CIRCLE #618 DALY CITY, CA 94014 PH: (415)-586-0898

RENTER: TERRY ISDELL PH: 271-9209

SOURCE:

THE SOURCE FOR THE DOMESTIC WATER IS AN UNNAMED STREAM WHICH IS A TRIBUTARY OF SMITH RIVER. THE INSTREAM STOCK WATERING IS FROM 5 UNNAMED STREAMS AND FROM SMITH RIVER.

DIVERSION POINT:

THE DIVERSION POINT FOR THE DOMESTIC USE IS A VERY SMALL EARTHEN DAM IN A SMALL UNNAMED STREAM. THERE IS 25' OF 3/4" PLASTIC PIPE THAT DIVERTS THE WATER FROM THE POD TO A 50 GALLON SETTLEMENT BARREL. THE STOCK WATERING IS INSTREAM.

MOTOR/PUMP:

THIS IS A GRAVITY SYSTEM.

THERE IS 25' OF 3/4" PLASTIC PIPE FROM THE DIVERSION POINT TO A 50 GALLON SETTLEMENT BARREL. THERE IS 125' OF 3/4" PLASTIC PIPE FROM THE SETTLEMENT BARREL TO A 1000' GALLON STORAGE TANK. THERE IS 1950' OF 1 1/4" PLASTIC PIPE FROM THE STORAGE TANK TO THE HOUSE.

HEADS

IRRIGATION OF LAWN AND GARDEN IS ACCOMPLISHED WITH A STANDARD GARDEN HOSE AND WAVE SPINKLER.

USES

THE WATER IS BEING USED FOR DOMESTIC HOUSEHOLD USE INCLUDING IRRIGATION OF LESS THAN 1/2 ACRE OF LAWN AND GARDEN. IT IS ALSO USED FOR INSTREAM STOCK WATERING.

LIFT

THE WATER ELEVATION > THE STORAGE TANK IS 45' HEGHER THAN THE HOUSE AS MEASURED BY THEODOLITE AND EDM. THE PRESSURE READING AT THE HOUSE IS 16 PSI. THERE ARE SEVERAL BEAR BITES IN THE LINE THAT ARE LOWERING THE PRESSURE.

FEB 1 2 1993

CALCULATIONS

THÊTER RESOURCES DEPT ATTACHED CALCULATION SHEET AND NOMOGRAPH. SEE THE DOMESTIC SYSTEM CAPABILITY IS 0.018 CFS AT THE HOUSE. THERE SALEM OREGON ARE PRESENTLY 36 CATTLE ON THE RANCH. THE HIGHEST NUMBER CLAIMED IS 80 HEAD. AT 15 GAL PER DAY FOR CATTLE THIS GIVES 1200 GALLONS PER DAY.

SURVEY TIE

TIED THE 1/4 CORNER BETWEEN SECTIONS 33 & 34 AND MEANDER CORNER AT THE \$1/16 FOR CONTROL. THESE ARE BOTH BRASS CAPS. I USED SURVEY M115-64 BY ROBERTS FOR A BASIS OF BEARINGS.

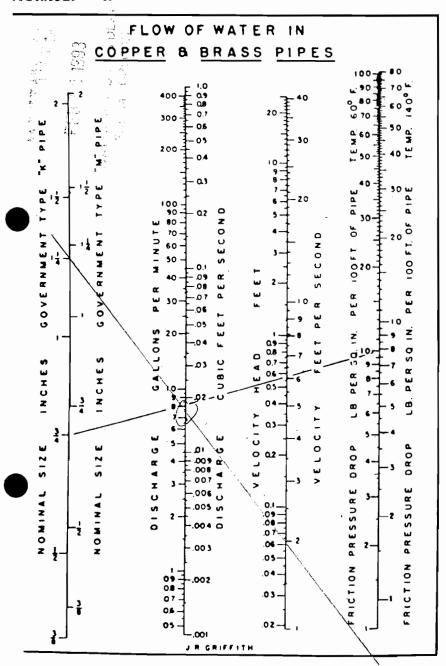
THE PRE 1909 VESTED WATER RIGHTS SURVEY AND INSPECTION OF THE USE AS FOUND TO BE COMPLETED UNDER THE CONDITIONS AND TERMS 24, OF PRE 1909 WATER RIGHTS WAS COMPLETED BY ME ON DEC. 1992. THE FACTS CONTAINED ON THIS REPORT ARE CORRECT TO THE BEST OF MY KNOWLEDGE.

> Water Right Change Hervey Wilcox Nov. 19, 1987 ATE OF OHEG

I, EUGENE HAGGERTY, AGREE TO THE FINDINGS OF THE CWRE AND DO SUBMIT THIS SITE REPORT AND MAP AS MY CLAIM OF BENEFICIAL USE THE WATER AS PROVIDED UNDER THE TERMS AND CONDITIONS OF PRE 1909 VESTED WATER RIGHTS.

SIGNATURE

Calculations I used the attacked nonagraph to
figure the system capacity for the
Sometizuse there is 1950' of 1/4"
plastic pipe from the storage Task to
the house I measured 16ps; at the 169.5 = 0.82 ps/100'0 + Ine This gives (0.018 CFS) 80 cattle at 15GPD = (1200 GPD



Flow of Water in Small Pipes

36 to 2-in. diam.

THERE have been numerous nomographic charts published for the flow of water in pipes, including four of my own. However, I have not previously seen one applicable to pipes in the smaller size

The accompanying chart is based on tabular data published by the Bridgeport Brass Co.* Being applicable to the flow of water at temperatures both 60 deg. F. and 140 deg. F., it should be convenient in the design of building and boiler installations. It would be applicable to pipes of other material of corresponding smoothness with care being taken for corrosive waters.

Government types "K" and "M" have been included, the difference being in the wall thickness and internal diameter. The following table indicates the difference for the included sizes:

Vominal	Outside Dia., In.	Wall Thickness, In.	
Size		Type "K"	Type "M"
	.500	.049	.025
ú	.625	.049	.028
1 4	.875	.065	.032
1	1.125	.065	.035
11/4	1.375	.065	.042
11/2	1.625	.072	.049
2	2.125	.083	.058

A single straight line intersecting all scales is necessary for a solution of this chart. Any two known, or assumed, values will determine the direction of the solution line. A solution line has been drawn for the following problem:

Required to determine the discharge of water at 60 deg. F. in 3/-in. Government type "K" copper tube for a total pressure

drop of 20 lb. per sq. in. for a 200-ft. aun of pipe.

Pressure drop=
$$\frac{20}{2}$$
=10 lb. per sq. in. per 100 ft.

A line has been drawn between the pipe size and this pressure drop. The following information is then obtained from the other scales:

Discharge = 8.2 gal. per min.

Discharge = 0.018 cu. ft. per sec.

Velocity = 6.1 ft. per sec.

Velocity head = 0.57 ft.

Pressure loss for same pipe but the all 140 deg. F. would be 7.9 lb. per 100 ft. of pipe.

From the tables, Discharge=8.2 gal. per min

Discharge =
$$\frac{8.2}{448.83}$$
 = 0.0183 cu. ft. per se

Area of 1/4-in. type "K" pipe

$$A = \frac{3.1416[0.875 - 2(0.065)]^{\circ}}{4} = 0.436 \text{ sq. i}$$

Area
$$=\frac{0.436}{144}$$
 $= 0.00303$ sq. ft.

$$Vel. = \frac{Discharge}{Area} = \frac{0.0183}{0.00303} = 6.04 sec$$

Velocity head
$$=\frac{V^{\bullet}}{2g} = \frac{6.04^{\bullet}}{64.4}$$
 (`.562

* Water Pipe Rizes, by Walter S. Timn Bridgeport Brass Co., Bridgeport, Conn.

NOTES FOR 1967 EDITION

Not many references pertaining to small diameter tubing or pipe are available at present, particularly as regards head loss in fittings or bends. Manufacturers data must be consulted for these situations. It should be noted that this chart presents flow data only for straight sections of the described pipe. TJM

CLAIM OF BENEFICIAL USE AND SITE REPORT FOR PRE 1909 VESTED CONTROL WATER RIGHTS.

FEB J 2 1993

NAMES AND STREET SHOWN

INFORMATION:

THE PERMITEE IS EUGENE HAGGERTY. I TALKED TO TERRY TISDELL AT THE SITE AND HE SHOWED ME THE SYSTEM. TERRY IS A RENTER AND LIVES ON THE PROPERTY. THE DOMESTIC SYSTEM IS GRAVITY FROM A UNNAMED STREAM. THE STOCK WATERING IS INSTREAM FROM 5 UNNAMED STREAMS AND FROM SMITH RIVER.

ADDRESS: EUGENE HAGGERTY 1022 SAN LUIS CIRCLE #618

DALY CITY, CA 94014 PH: (415)-586-0898

RENTER:

TERRY JISDELL PH: 271-9209

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MOTOR/PUMP:

THIS IS A GRAVITY SYSTEM.

PIPE

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HEADS

IRRIGATION OF LAWN AND GARDEN IS ACCOMPLISHED WITH A STANDARD 5/8" GARDEN HOSE AND WAVE SPINKLER.

USES

THE WATER IS BEING USED FOR DOMESTIC HOUSEHOLD USE INCLUDING IRRIGATION OF LESS THAN 1/2 ACRE OF LAWN AND GARDEN. IT IS ALSO USED FOR INSTREAM STOCK WATERING.

WATER ELEVATION IN THE STORAGE TANK IS 45' HIGHER THAN HOUSE AS MEASURED BY THEODOLITE AND EDM. THE PRESSURE THAN .IE READING AT THE HOUSE IS 16 PSI. THERE ARE SEVERAL BEAR BITES IN THE LINE THAT ARE LOWERING THE PRESSURE.

FEB 1 2 1993

CALCULATIONS

SEE THE ATTACHED CALCULATION SHEET AND NOMOGRAPH. THERE SALEM, OREGON SYSTEM CAPABILITY IS 0.018 CFS AT THE HOUSE. ARE PRESENTLY 36 CATTLE ON THE RANCH. THE HIGHEST NUMBER CLAIMED IS 80 HEAD. AT 15 GAL PER DAY FOR CATTLE THIS GIVES 1200 GALLONS PER DAY.

THE TERRITORIOUS DEPT

SURVEY TIE

I TIED THE 1/4 CORNER BETWEEN SECTIONS 33 & 34 AND MEANDER CORNER AT THE S1/16 FOR CONTROL. THESE ARE BOTH BRASS CAPS. I USED SURVEY M115-64 BY ROBERTS FOR A BASIS OF BEARINGS.

THE PRE 1909 VESTED WATER RIGHTS SURVEY AND INSPECTION OF THE USE AS FOUND TO BE COMPLETED UNDER THE CONDITIONS AND TERMS OF PRE 1909 WATER RIGHTS WAS COMPLETED BY ME ON DEC. 1992. THE FACTS CONTAINED ON THIS REPORT ARE CORRECT TO BEST OF MY KNOWLEDGE.

> water Right Examin Hervey Wilcox Nov. 19, 1987 STATE OF ORE

I, EUGENE HAGGERTY, AGREE TO THE FINDINGS OF THE CWRE AND DO SUBMIT THIS SITE REPORT AND MAP AS MY CLAIM OF BENEFICIAL USE OF THE WATER AS PROVIDED UNDER THE TERMS AND CONDITIONS OF

PRE 1909 VESTED WATER RIGHTS.

SIGNATURE

alculations suse I measure 1 169.5 = 0.82 pc/105'0f /De This gives 0.018 CFS 80 cattle at 15GPD = (1200 GPD





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Government types "K" and "M" have been included, the difference being in the wall thickness and internal diameter. The following table indicates the difference for the included sizes:

Wall Thickness, In. Type "M" .025 .028 .032 .035 .058 . 945 & 8 28. 28. 28. 28. 28. 28. Outside Dia., In. .875 .875 .875 .1.1375 .1.375 .1.375 Nominal

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0 A 2 2 2 2 2 2 1 1 1 1 1 1 1 1

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scales is necessary for a solution of this A single straight line intersecting all chart. Any two known, or assumed, values will determine the direction of the solution line. A solution line has been drawn for the following problem:

9080

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88 88

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Э 900S

800

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type "K" copper tube for a total pressure water at 60 deg. F. in 1/4-in. Government Required to determine the discharge of

drop of 20 lb. per sq. in. for a 200of pipe.

Flow of Water in Small Pipes

1 to 2-in. diam.

Pressure drop= $\frac{1}{2}$ =101b. per sq. in. per 100 ft. ଯ

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waters.

and 140 deg. F., it should be convenient in the design of building and boiler installaof water at temperatures both 60 deg. F.

Pressure loss for same pipe but 140 deg. F. would be 7.9 lb. per.se 100 ft. of pipe.

From the tables, Discharge=8.2 gal. per mir

Discharge == _____ = 0.0183 cu. ft. per se ______

Area of 14-in. type "K" pipe

=0.436 sq. i 3.1416[0.875-2(0.065)]* İ

-=0.00303 sq. ft.

0.0183 Discharge Area = -

-=6.04 sec. 0.00303 ļ Vel.≡.

\$ **8** Velocity head $= \frac{}{2g} = \frac{}{6}$ • Water Pipe Rices, by Walter S. Timn Bridgeport Brass Co., Bridgeport, Conn.

NOTES FOR 1967 EDITION

Not many references pertaining to small diameter tubing or pipe are available at present, particularly as regards head loss in fittings or bends. Manufac-

FRICTION

JR GRIFFITH

8

9

turers data must be consulted for these situations. It should be noted that this chart presents flow data only for straight sections of the described pipe. TJM

Jamany 15, 1994 Don Knower Adjudiction Speedist Ovegon Weter Resources Popt. 3850 Portland Rd NE JAN 2 - 1991 WAIL : FEPT BAIDM, SILLBON Solem, OR 973/0 Dear Mr. Knower, Enclosed please find original form and map for processing my claim. Hook forward to your completed processing. Please notify me upon your completion. Tigere a. Noggerty 1092 San Luis Web-618 Doly City CA94014 175-15-86-0898

December 20, 1993 Dright French Cregon Water Resources Dept. WATER SALEM. OKEONY 3850 Portland Road NE Salem, OR 27310 Dear Mr. French, Evelosed please find check for \$ 600 for filing on claim late for Surface Water Regustration Statement
Surface Water Regult Claim. You have kept a copy for your rounds. Please contact meif you have ony questions. Dincerely, Ligere a. Haggerty 1022 Son Luis arilo-618 Doly City (A94014 415-586-0898





A CONTRACTOR OF THE STATE OF TH

November 13, 1992

WATER
RESOURCES
DEPARTMENT

EUGENE A HAGGERTY 1022 SAN LUIS CIRCLE - 618 DALY CITY CA 94014

DEC \$2 1390

WATER TOURS

RE: Surface Water Registration

Dear Mr. Haggerty,

Reed Marbut, my supervisor, has asked me to respond to your letter dated October 7, 1992.

You have indicated that you have a claim to make but your budget makes it impossible for you to complete the claim by December 31, 1992.

As you know, the deadline for filing Surface Water Registrations is December 31, 1992. ORS 539.240 (4) allows a claimant to petition the director to accept a late claim "for good cause shown." The deadline for filing late with petition is December 31, 1993. If you file late you must pay 1 1/2 times the normal fee.

I have enclosed a copy of ORS 539.240 (4) for your review.

Please feel free to write or call if you have any questions. Sincerely,

Dwight French Adjudication Section

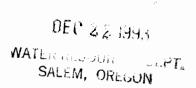
Enclosed: copy of ORS 539.240 (4)



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



April 14, 1993



WATER
RESOURCES
DEPARTMENT

EUGENE A HAGGERTY 1022 SAN LUIS CIRCLE - 618 DALY CITY CA 94014

Dear MR HAGGERTY,

The Surface Water Registration Statement that you have submitted arrived without the fees required under ORS 539.081. Enclosed you will find your Surface Water Registration Statement along with any supporting documents that you may have submitted. We have kept a copy for our records.

The deadline for filing a claim was December 31, 1992.

Instructions for filing a claim late are enclosed. The fee schedule is printed on the back of that sheet.

Please feel free to contact this office if you have any questions.

Sincerely,

Dwight French

Adjudication Section

Enclosures

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

J:\WP51\SWR\CLAIMANT\HAGGERTY