Reinstated
~~CANCELLED~~

Name City of Mt. Vernon (a municipality)

By

Address PO Box 647
Mt. Vernon, OR 97865

Date filed July 13, 1987

Priority

Action suspended until

Return to applicant

Date of approval

CONSTRUCTION

Date for beginning 6-25-97

Date for completion 10-1-98

Extended to

Date for application of water 10-1-99

Extended to

PROSECUTION OF WORK

Form "A" filed

Form "B" filed

Form "C" filed

FINAL PROOF

Blank mailed

Proof received 9/28/87

Date certificate issued

Application No. G11679 B

Permit No. G12560

Certificate No. ~~CANCELLED~~ Reinstated

Stream Index, Page No. 6-44

V / John Day R above Kimberly

FEES PAID

Date	Amount
7-13-87	300.00
Recording 12-16-94	$600.00
	Cert. Fee

FEES REFUNDED

Date	Amount
MP 7-5-96	600.00

ASSIGNMENTS

Date	To Whom	Address	Volum

REMARKS

Appl. Memo sent 7-28-87
11/14/07 ~~CANCELLED~~ in special order Vol 73 pg 586
11/27/07 Reinstated in Special Oder Vol 73 pg 6667

COBU MAP # 0340

Completion Checklist for CWRE Claims of Beneficial Use

Application # G 11679
Permit # G 12560
Transfer # _____
Date 4/16/08
Reviewer C.J.

Date Received March 28, 2008
CWRE Name Michael Posada
Claim Logged ✓
File Marked ✓
Oversized Map # 0340
Read and attach copy of permit or transfer

Map Review:

- X Map on polyester film
- X Application & permit #; or transfer #
- X Disclaimer
- X North arrow
- X CWRE stamp and signature
- X Appropriate scale (1" = 1320', 1" = 400', or the original full-size scale of the county assessor map)
- X Township, range, section, and tax lot numbers
- _____ Source illustrated if surface water
- X Point(s) of diversion or appropriation (illustrated)
- X Point(s) of diversion or appropriation (coordinates)
- _____ Conveyance structures illustrated (pump, pipelines, ditches, etc.)
- _____ Description of the location, in relation to the point of diversion or appropriation, of any fish screens, by-pass devices, and measuring devices required
- _____ Place of use (1/4 1/4, or projected 1/4 1/4 lines within DLCs, or Gov Lots; if irrigation, # of acres in each subdivision; if for domestic or human consumption, location of dwelling or spigot)
- _____ Checked to legal description

Report Review:

- X On form or format provided by the Department
- X Application & permit #; or transfer #
- X County
- X Tax lot information
- X Date of survey
- X Person interviewed
- X Ownership information
- X Source(s) of water
- _____ Point of diversion/appropriation location
- _____ Use, period of use, and rate for use
- _____ Place of use location
- _____ Type of use
- _____ Extent of use
- _____ Rate and Duty
- _____ Diversion rate for each use
- _____ Description of conveyances system (from POD to POU)
- _____ Diversion works description (pump make, serial model, capacity, and description)
- _____ System capacity
  - _____ Calculated capacity of system (required)
  - _____ Measured amount of use (optional)
- _____ Permit conditions
  - _____ Time limits
  - _____ Initial water level measurements
  - _____ Annual static water level measurements
  - Measurement, recording, and reporting
    - _____ Meter/measuring device
    - _____ Water use reporting
  - _____ Fish screening and/or by-pass
  - _____ Pump test (ground water)
  - Other conditions

    _____ _____

    _____ _____
- X CWRE stamp and signature
- X Signature(s) of permittee of transfer holder

Certificate Issuance Processing Checklist

_____Map and COBU reviewed
_____Conflict check (include copy of plat card printout) Any Conflicts? _____
_____Check current ownership

Staff Recommendations:

_____ Proof to the Satisfaction has been established to the full extent as described in the permit or transfer order.

_____ Proof to the Satisfaction has been not been established to the full extent as described in the permit or transfer order and the right should be limited as follows: _____
_____
_____
_____
_____

_____ Proof to the Satisfaction has not been established for the following reasons: _____
_____
_____
_____
_____

Proposed Actions:
Send letter requesting the following items/information:_____
_____
_____
_____

Send letter recommending extension to cure deficiencies:_____
_____
_

Can certificate be processed further?
_____Yes

If "Yes":
_____Proposed
_____Final Certificate #_____

Mailing list:

Proposed:

Final:

Oregon Water Resources Department
725 Summer St. NE, Suite A
Salem, OR 97301-1266

CLAIM OF BENEFICIAL USE

The completion of this form is required by OAR 690-014-0100(1) and 690-014-0110(4).

Please type or print in dark ink. If this form is found to contain errors or omissions, it may be returned to you. Every numbered item must have a response. If any requested information does not apply to the Claim, insert "n/a." Do not delete any section of this form unless directed by the form. The Department may require the submittal of additional information from any water user or authorized agent. **A separate form shall be completed for each permit or transfer final order**.

I. General Information

1. File Information

Application Number (G, R, S or T)	Permit Number (if applicable)
G-11679	G-12560

2. Property owner (current owner information)

a. Individuals

Name	James & Colleen Clark	
Mailing Address	P.O. Box 122	
City/State/Zip	Mt. Vernon, Oregon 97865	
Phone #	1-541-932-4645	
Fax #		
e-mail address		

b. Businesses/Organizations (The City has a Permanent Easement to operate the Clark Spring site)

Name	City of Mt Vernon, Oregon
Contact Person and Title	Bill Cearns, Public Works Director
Mailing Address	199 West Main P.O. Box 647
City/State/Zip	Mt Vernon, Oregon 97865
Phone	541-932-4688
Fax	541-932-4222
e-mail	cmtv@ortelco.net

If the current property owner is not the permittee or transfer holder of record, it is recommended that an assignment be filed with the Department. The COBU must be signed by the permit/transfer holder of record.

3. Permittee / Transferee of record (this may, or may not, be the current property owner)

c. Individuals

	Individual 1	Individual 2
Name	N/A	N/A
Mailing Address		
City/State/Zip		

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d. Businesses/Organizations

Name	City of Mt Vernon, Oregon
Contact Person and Title	Bill Cearns, Public Works Director
Mailing Address	199 West Main P.O. Box 647
City/State/Zip	Mt Vernon, Oregon 97865

4. Date of Site Inspection: February 27, 2008

5. Person(s) interviewed and description of their association with the project:

Name	Date	Association with the project
Bill Cearns	02-27-08	City Public Works Director

6. County: Grant County

7. Tax Lot Information:

Tax map number	Tax lot number
Spring Site - 13S 30E	4202
Mt Vernon Place of use – 13S30E28	
13S30E28AB	
13S30E28AC	
13S30E28BA	

8. If any property described in the place of use of the permit or transfer final order is excluded from this report, identify the owner of record for that property (ORS 537.230(3)):

**Mark "NA" if there are no owners of property not included in this claim

Name	N/A
Contact Person and Title	
Mailing Address	
City/State/Zip	
Phone #	

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II. Points of Diversion/Appropriation and Place of Use

For each point of diversion or appropriation, provide the following information. If the claim is for more than one point of diversion/appropriation, copy and complete this section for each point of diversion or appropriation.

1. Provide a general narrative description of the distribution works. This description must trace the water system from the point of diversion or appropriation to and include the place of use:

The Clark Springs system Point of Diversion is located Southeast of the City of Mt. Vernon in Section 28, as shown on the attached Claim of Beneficial Use Map. The Clark Springs water is captured in a series of 12" diameter perforated underground collection pipes that lead to a 4' diameter corrugated metal water collection manhole. The water collected in the manhole is then conveyed by gravity flow in a 12" diameter pipe to a collection building know as the Clark Springs Disinfection and Pumping Facility. The Disinfection and Pumping Facility is an 8' wide by 24' long wood framed building on a concrete foundation with a 4' by 4' by 5' deep concrete wet well. The collection building also houses a control panel with a motor starter unit connected to an existing float switch in the concrete wet well and a chlorination metering pump connected to

an existing float switch in a chlorine solution tank. Both float switches operate by set points that have been preset to maintain the proper operating water and chlorine levels in the system. There is a 1 horse power booster pump located directly above the wet well and adjacent to an inline flow meter.

From the collection building the spring water is pumped in a series of 4" and 6" diameter pressurized transmission lines to a 60,000 gallon chlorine contact chamber adjacent to City's Holmberg well. The treated spring water is eventually pumped into the City's water distribution system and the City's reservoir system consisting of two steel, above ground reservoirs, one reservoir has a 500,000 gallon capacity and the other has a 300,000 gallon capacity. Together they serve all of the City of Mt Vernon's water use area.

2. Point of diversion/appropriation name or number (correspond to map):

Point of diversion/appropriation name or number (correspond to map)	Well log ID # for all work performed on the well (if applicable)	Well tag # (if applicable)
Clark Spring water collection manhole	N/A	N/A

Attach each well log available for the well (include the log for the original well and any subsequent alterations, reconstructions, and deepenings)

3. Point of diversion/appropriation source and, if from surface water, the tributary:

Source	Tributary to
One Well within Ingle Creek Basin – The well is a water collection manhole	Ingle Creek

4. Point of diversion/appropriation location:

(DLC, Government Lot, ¼ ¼, Section, Township, Range)	Reference to a recognized public land survey corner by distance and bearing or by coordinates
NE ¼, SE ¼ Section 28, T13S, R30E, W.M.	2835' South & 1890' East of the N ¼ Sec. 28

5. Actual use(s), period of use, and rate for each use:

Uses	If irrigation, list crop type	When water is used	Rate for use
Municipal	N/A	Year Round	138 GPM

Total Quantity of Water 138 GPM____

6. Place of use for the point of diversion or appropriation:

DLC	Gov lot	1/4 1/4	Section	Township	Range	Use	# of primary acres	# of supplemental acres
		SW NE	21	13 South	30 East	Municipal		
		NE SW	21	13 South	30 East	Municipal		
		NW SW	21	13 South	30 East	Municipal		
		SW SW	21	13 South	30 East	Municipal		
		SE SW	21	13 South	30 East	Municipal		
		NW SE	21	13 South	30 East	Municipal		
		SW SE	21	13 South	30 East	Municipal		
		SE SE	21	13 South	30 East	Municipal		
		NE NW	27	13 South	30 East	Municipal		

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		NW NW	27	13 South	30 East	Municipal		
		SW NW	27	13 South	30 East	Municipal		
		SE NW	27	13 South	30 East	Municipal		
		NE NE	28	13 South	30 East	Municipal		
		NW NE	28	13 South	30 East	Municipal		
		SW NE	28	13 South	30 East	Municipal		
		SE NE	28	13 South	30 East	Municipal		
		NE NW	28	13 South	30 East	Municipal		
		SE NW	28	13 South	30 East	Municipal		
		NE SW	28	13 South	30 East	Municipal		
		NW SE	28	13 South	30 East	Municipal		

Total Acres Irrigated **N/A_____**

Storage tank data

**If this system does not include a storage tank as part of the distribution system, this section, item 1, can be deleted.

1. If the system involved a storage tank, complete the table below:

Material (concrete, fiberglass, metal, etc.)	Capacity in gallons	Above ground or buried
Reservoir 1 – Steel	500,000	Above Ground
Reservoir 2 – Steel	300,000	Above Ground

Gravity flow pipe (The Department typically uses the Hazen-William's formula for a gravity flow pipe system)

**If this claim does not rely on a gravity flow pipe to convey the water as part of the distribution system, this section, items 1-3, can be deleted.

1. If the system involves a gravity flow pipe, complete the table below.

Gravity Flow pipe - Transmission line from the POD (water manhole) to the Collection Building

Pipe size	Pipe type	"C" factor	Amount of fall	Length of pipe	Slope	Computed rate of water flow
12"	PVC	130	2	80' +/_	2.5%	7.6 +/ CFS_

2. Provide calculations in the box below:

Interior Diameter = 12 inches, or 1 feet

Roughness Coefficient (C) = 130

Fall = 2 feet per 80 feet of distance

Grade = 0.025 , or 2.5%

Results calculated

Area of cross-section =	0.785398	square feet
Wetted Perimeter =	3.141593	feet
Hydraulic Radius =	0.25	
Velocity =	9.759972	feet per second
Pipe Capacity =	**7.665**	**cubic feet per second**

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3. If an actual measurement was taken, provide the following:

Date of Measurement	Who made the measurement	Measurement method	Measured quantity of water
02-27-08	Bill Cearns / Brad Baird	Flowmeter	138 GPM

Attach measurements notes

System Information:

Provide the following information concerning the diversion and delivery system. Trace the flow of water from the point of diversion/appropriation to the place of use.

1. Pump information

Brand	Model	Serial Number	Type (centrifugal, turbine or submersible)	Intake size	Discharge size
Paco	20501	10-20707-100001-1502	Centrifugal	2 ½"	2"

2. Motor information

Brand	Model	Horsepower	Max RPM	Voltage
Baldor	JM3154	1	1800	3 ph -460 volt

3. Meter information (if required in permit or transfer final order)

Make	Serial #	Condition (working or not)	Current meter reading	Notes
McRometer	00-7850-3	Working	9,073,830	Read 2-27-08

4. Measurement device description

Device description	Condition (working or not)	Notes
In line flow meter	working	Measured 2-27-08

5. Measured pump capacity (using meter if meter was present and system was operating)

Initial meter reading	Ending meter reading	Duration of time observed	Total pump output
9,072,450	9,073,830	10 min	1380

6. Theoretical pump capacity

Horsepower	Operating psi	Lift from source to pump *If a well, the water level during pumping (see pump test results)	Lift from pump to place of use	Total pump output
1 hp	6 psi	10 feet	10 feet	

7. Provide pump calculations in the box below:

$$Q_{pump} = \frac{(Hp)(550 \text{ ft lb/sec/Hp})(efficiency)}{(62.4 \text{ lb/cu ft})(\text{lift + press in feet})} = \text{CFS}$$

Clark Springs Booster Pump

$$Q_{pump} = \frac{(1)(550 \text{ ft lb/sec/Hp})(0.79)}{(62.4 \text{ lb/cu ft})(10 \text{ ft} + 6 \text{ psi})} = 0.435 \text{ CFS or } 195 \text{ GPM}$$

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8. Mainline information

Mainline size	Length	Type of pipe	Buried or above ground
N/A			

11. **Additional notes or comments related to the system:**

The Clark Spring water source is maintained as an emergency back up source of water for the City of Mt. Vernon. The spring system was developed as a well/collection box system during 1989. The perforated collection pipes and the water collection manhole were installed in 1989. The historic use of this water source has varied depending on conditions. Typically the spring system provides flow from November through May or June, with peak flows in February or March. At times, in dry seasons, the spring site has produced limited amounts of water. In contrast, the spring source has, at times, been able to provide the full permitted amount of water, using a different booster pump system than is currently installed.
The City needs to maintain this full right to serve the needs of the water users of Mt Vernon.

III. CONDITIONS

Please pay special attention to this section. All conditions contained in the permit or transfer final order shall be addressed. Reports that do not address all performance related conditions will be returned.

1. **Time Limits:**

a. Permits or transfer Final Orders contain any or all of the following dates; the date when the actual construction work was to begin, the date when the construction was to be completed, and the date when the complete application of water to the proposed use is to be completed by. These dates may be referred to as ABC dates. Describe how the water user has complied with each of the development timelines established in the permit or transfer final order:

	Dates from permit or transfer final order	Date accomplished	Description of actions taken by water user to comply with the time limits
Begin construction	June 25, 1997	1989	Clark Springs water collection system installed.
Complete construction	October 1, 1998	1989	Construction complete. Water is being used for beneficial use.
Complete application of water	October 1, 1999	2000	Mt Vernon Water System improvements project upgrades to system including disinfection system and pumping facilities. Water is still being used for beneficial use.

2. **Initial Water Level Measurements:**
**If the Claim is for surface water or a reservoir, or if the water user was not required to submit static water level measurements, items b through e relating to this section can be deleted.

a. Was the water user required to submit an initial static water level measurement? NO

b. What month was the initial measurement to be taken in? N/A

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c. Did an authorized individual (as stated in the permit or transfer final order) make the initial static water level measurement in the month required? N/A

d. If "YES", was the measurement submitted to the Department? N/A

e. If the initial measurement not been submitted, provide that measurement now if available:

Date of measurement	Who made measurement	Method	Measurement
N/A			

3. **Annual Static Water Level Measurements:**

**If the Claim is for surface water or a reservoir, or if the water user was not required to submit static water level measurements, items b through e relating to this section can be deleted.

a. Was the water user required to submit annual static water level measurements? NO

b. In the box below, provide the month in which the static water level was to be made:

N/A

c. Were the static water level measurements taken in the month required? N/A

d. If "YES", were those measurements submitted to the Department? N/A

e. If the annual measurements were not submitted, provide the measurements now in the box below:

Year	Month	Measurement made by	Measurement
N/A			

4. **Measurement, recording, and reporting conditions:**

a. Does the permit or transfer final order require the installation of a meter or approved measuring device? YES

If a meter or approved measuring device was required, the COBU map must indicate the location of the device in relation to the point of diversion or appropriation.

**If "NO", items b through g relating to this section can be deleted.

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b. Has a meter been installed? YES

c. Provide the date the meter was installed:

The current in line flow meter was installed during the City of Mt Vernon's water system improvements project in the year 2000.

d. If a meter has not been installed, has a suitable measuring device been installed and approved by the Department? N/A

e. If "YES", provide a copy of the letter approving the device, if available. If the letter is not available provide the name and title of the Water Resources Department employee approving the measuring device, and the approximate date of the approval:

Name	Title	Approximate date
N/A		

f. Is the water user required to report the water use to the Department? YES

g. Have the reports been submitted? YES

If the reports have not been submitted, attach a copy of the reports if available.

5. **Fish Screening and/or By-pass Devices**

a. Are any points of diversion required to be screened and/or have a by-pass device to prevent fish from entering the point of diversion? NO

6. **Pump Test** (Required for ground permits prior to issuance of a certificate, but not a requirement of permit development)

a. Did the permit require the submittal of a pump test? Yes

b. Has the pump test been previously submitted to the Department? No

c. Has the pump test been approved by the Department? No
d. If no, is the pump test attached to this Claim? No

7. **Other Permit Conditions** (examples: special well construct standards, water conservation plans, no obstructions to fish without a fishway, etc.; number as appropriate.)

IV. Variations, Attachments, Conclusions, Map and Signatures

Variations

Include a description of variations from the permit or transfer final order

The City of Mt Vernon water use area has expanded and currently encompasses the urban growth boundary of Mt Vernon as shown on the attached Claim of Beneficial Use Map.
The location of the point of diversion, the water collection manhole, has been updated based on the survey tie described in this report.
No pump test has been completed on this project. Although the Clark Springs system is a groundwater collection system, the collection manhole is a sump. The booster pump was never tested like a well pump would be tested, since there was no need. Because the water is withdrawn from shallow collection pipes, it will not respond like a deeper well would, so a pump test is not warranted. During the system inspection, the capacity of the pump in use was witnessed.
The full permitted amount of water has historically been used, but is not currently being utilized. So, in accordance with OAR 690-320-0040, with this Claim of Beneficial Use, Mt. Vernon is requesting to incrementally prefect the Clark Springs system under the current pumping conditions. The system is currently producing 138 GPM (0.307 CFS) or 55% of the 250 GPM (0.557 CFS) that is allowed by this permit. The City understands that a Municipal extension of time, will need to be submitted for the remaining 45%, or 112 GPM (0.249 CFS).

Attachments

If you are attaching any documents to this report, provide a list below:

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Attachment name	Description

Permit and Transfer Final Order Rates and System Rates Comparisons:

POD or POA name or #	Maximum rate allowed by permit or transfer final order	Calculated theoretical rate of water based on system	Actual amount of water measured (if measured)	Developed use	# of acres allowed by permit or transfer final order	# of acres developed
Clark Spring Collection Manhole	0.557 CFS 250 GPM	0.434 CFS 195 GPM	0.307 CFS 138 GPM	0.307 CFS 138 GPM	N/A	N/A

Claim of Beneficial Use Map

The Claim of Beneficial Use Map must be submitted with this Claim. Claims submitted without the Claim of Beneficial Use map will be returned. The map shall be submitted on poly film at a scale of 1" = 1320', 1" = 400', or the original full-size scale of the county assessor map for the location.

In the following box, provide a general description of the survey method used to prepare the map. Examples of possible methods include, but are not limited to, a traverse survey, GPS, or the use of aerial photos. If the basis of the survey is an aerial photo, provide the source, date, series and the aerial photo identification number.

The Clark Springs site was located during the survey portion of the Mt Vernon Water System Improvements project, in the year 2000. During that project, the route, from the Reservoir site on Highland Road at the North end of town, running South along Ingle Creek Road to the Spring site was surveyed using a combination of conventional total station and GPS survey methods. A monument in the centerline intersection of the John Day Highway and Ingle Creek Road, marking the North One-quarter corner of Section 28, was tied during that survey. That data has been used to compute the tie to the Spring site for this Claim Report and Map. A digital topographic map at a scale of 1" = 1320 feet has been used for the base to create the attached Claim of Beneficial Use Map. The survey data from the Water System Improvements project and the place of use have been overlaid onto the digital topographic map for the Claim of Beneficial use Map.

CWRE Statement, Seal and Signature

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge.

Seal and Signature

Certified Water Rights Examiner
#57868
Michael B. Posada
June 8, 1999
STATE OF OREGON

EXPIRATION DATE: 12-31-08

DATED: 03-25-08

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Permit or Transfer Holders Signature or Acknowledgement

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge. I request that the Department issue a water right certificate.

Signature	Print or type name	Date
William Cears	William Cears	3-26-08
Signature	Print or type name	Date

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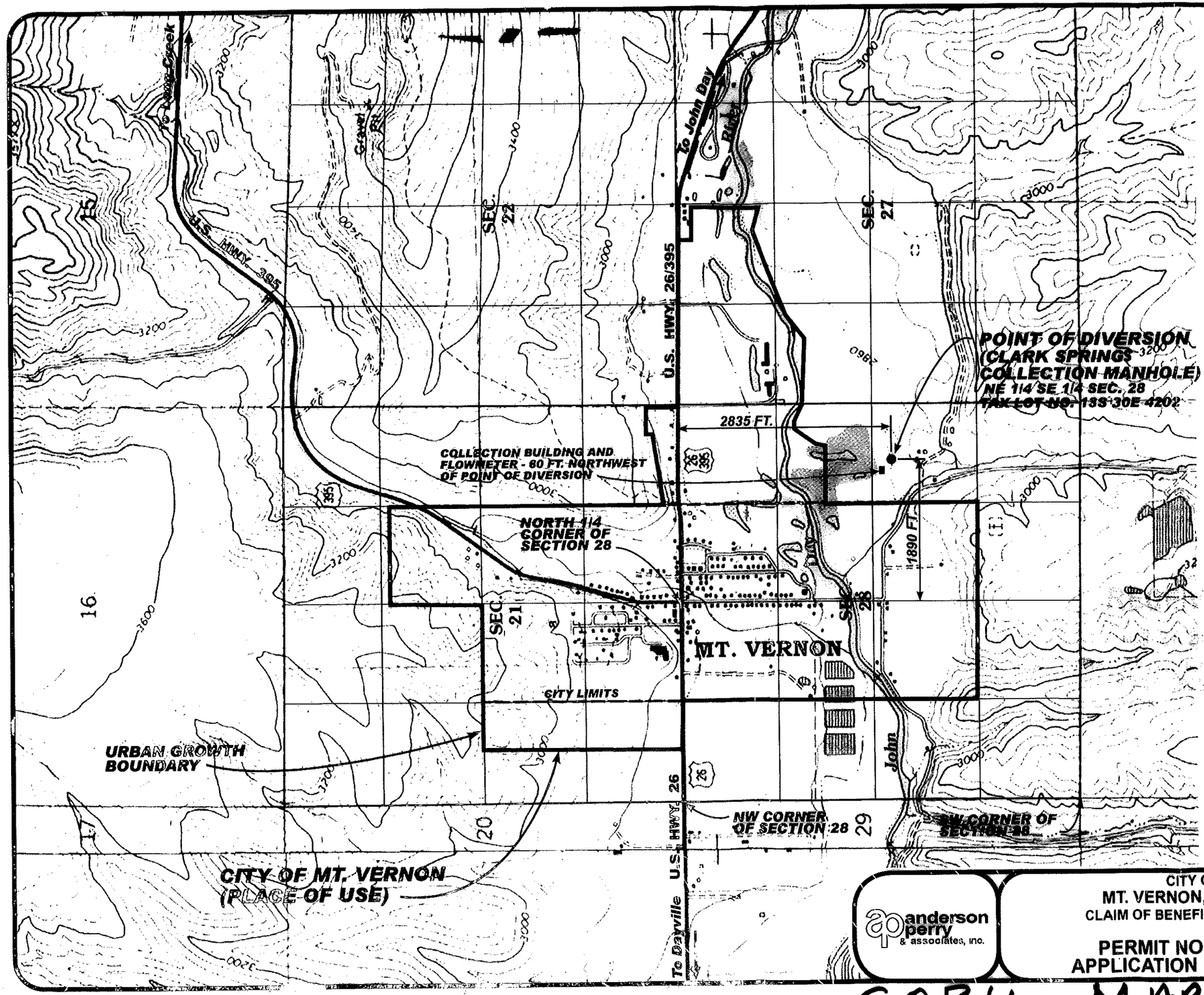


T.13 S., R.30 E., W.M.
GRANT COUNTY
1"= 1320'

PLACE OF USE

SECTION 21

SW 1/4, NE 1/4 — SW 1/4, SE 14
SW 1/4 (INCLUSIVE) — SE 1/4, SE 1/4
NW 1/4, SE 1/4

SECTION 27

NW 1/4 (INCLUSIVE)

SECTION 28

NE 1/4 (INCLUSIVE) — NE 1/4, SW 14
NE 1/4, NW 1/4 — NW 1/4, SE 1/4
SE 1/4, NW 1/4

LEGEND

- POINT OF DIVERSION
- SECTION LINE
- 1/4 OR 1/16 SECTION LINE

THE POINT OF DIVERSION, CLARK SPRING COLLECTION MANHOLE, IS LOCATED 1890 FEET EAST AND 2835 FEET SOUTH OF THE NORTH 1/4 CORNER OF SECTION 28.

Certified Water Rights Examiner
#57868
Michael B. Posada
June 8, 1999
STATE OF OREGON

EXPIRATION DATE: 12-31-08
DATED: 03-21-08

NOTE:
THIS MAP IS FOR THE PURPOSE OF LOCATING A WATER RIGHT ONLY AND IS NOT INTENDED TO PROVIDE LEGAL DIMENSIONS OR LOCATIONS OF PROPERTY LINES.

anderson perry & associates, inc.

CITY OF
MT. VERNON, OREGON
CLAIM OF BENEFICIAL USE MAP

PERMIT NO. G-12560
APPLICATION NO. G-11679

FIGURE
1

J# 905-84-010

COBU MAP #0340

Jerry Sauter

From: Brad Baird [bbaird@andersonperry.com]
Sent: Tuesday, March 25, 2008 11:19 AM
To: Jerry Sauter
Cc: Mike Posada; cmtv@ortelco.net
Subject: Clark Springs, App. G-11679, Permit G-12560

Hello Jerry:

For the City of Mt. Vernon Clark Springs source, the Claim of Beneficial Use is finished and we are sending it to the City via overnight service today. They should receive it tomorrow and will sign and forward it to OWRD. The deadline is March 26th, so while it will be completed, signed, and sent out to OWRD by the deadline, it will not quite make it to OWRD on the 26th. Regardless, it is finished, which is everyone's goal.

Please let me know if receipt of the claim at OWRD a day or two late is OK.

Thank you for your assistance with this matter. Please let me know if you have questions.

Brad D. Baird, PE
Senior Engineer
Anderson Perry & Associates, Inc.
1901 N. Fir Street/P.O. Box 1107
La Grande, OR 97850
541-963-8309 phone
541-963-5456 fax
bbaird@andersonperry.com

www.andersonperry.com

BEFORE THE WATER RESOURCES DIRECTOR OF OREGON

IN THE MATTER OF THE)
REINSTATEMENT OF PERMIT G-12560) ORDER

The following Permittee has requested reconsideration of the November 21, 2007, order canceling their permit. The request for reconsideration was submitted within the timeline provided by the order.

PERMITS TO USE GROUNDWATER:

NAME	BASIN #	WM #	FILE #	PERMIT #
City of Mt Vernon	6	4	G-11679	G-12560

NOW, THEREFORE, it is hereby ORDERED that the permit is reinstated in accordance with the provisions of ORS 537.260.

The Department will take no action to cancel this permit until March 26, 2008, to allow the permittee to come into compliance with the terms and conditions of the permit.

Dated at Salem, Oregon on November 27. 2007.

E. Timothy Wallin

E. Timothy Wallin, Water Rights Program Manager, *for*
Phillip C. Ward, Director

PLACED IN U.S. MAIL NOV 2 7 2007
BY OREGON WATER RESOURCES DEPARTMENT

This is a final order in other than 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 either 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.

Mailing List for Reinstatement Special Order Copies

Application # G-11679 Permit # G-12560 Reinstatement Date: November 27, 2007

Original filed in Volume 73 Page 667

Copies Mailed
By: CMS
(support staff)
On: 11-27-07
(date)

Copies sent to:

1. Permit Holder: City of Mt Vernon, PO Box 647, Mt Vernon OR 97865
2. WRD – File # G-11679
3. Water Availability – Ken Stahr
4. WRD – Watermaster # 4
5. CWRE - Anderson, Perry & Assoc., 1901 N Fir St, PO Box 1107, La Grande OR 97850

Turning Tradition Toward the Future

City of Mt. Vernon P.O. Box 647 Mt. Vernon,
Phone: (541) 932-4688 Fax: (541) 932-42

RECEIVED
NOV 21 2007
WATER RESOURCES DEPT
SALEM, OREGON

O.K. RE-INSTATE.
11-21-2007

November 19, 2007

State of Oregon
Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266

Re: Water Right Permit Perfection
Application No. G-11679, Permit No. G-12560
City of Mt. Vernon, Oregon

Attn: Jerry Sauter, Water Rights Program Analyst

The City of Mt. Vernon received a notice of cancellation, dated November 14, 2007, for the water right permit for our Clark Springs supply source. The City cannot lose this water right permit. We understand Brad D. Baird, PE, from our engineering firm, Anderson Perry & Associates, Inc. (APA) of La Grande, Oregon, has discussed with you how we can proceed with proving up on this source. The purpose of this letter is to provide the data you indicated would be needed to allow us time to prove-up on the source. The City respectively requests the Oregon Water Resources Department consider rescinding the cancellation notice and allowing us a little more time to complete the required work for the Clark Springs supply source. A summary of the Clark Springs supply source and our intended approach to prove-up on the source is as follows.

The Clark Springs supply source only has water during winter and spring months of the year. The flows normally begin to return in December and are typically at their highest in mid to late February. The City has the infrastructure in place to prove up on the Clark Springs supply source, including pumps, a flow meter, piping, etc. The City cannot prove-up on the source until flows are at their highest in February, 2008, but will aggressively pursue proving up as soon as possible. The following steps have been taken and will be taken to prove-up on the Clark Springs supply source.

- **Hiring a Certified Water Rights Examiner (CWRE)** - The City has already secured the services of Anderson Perry & Associates, Inc., to complete the Claim of Beneficial Use (COBU) for the Clark Springs source. APA will complete the work as soon as flows are at their peak in February.
- **Schedule to Complete the Work** – We are committed to completing the work as soon as flows reach their peak, which is expected to be in February 2008. We propose March 21, 2008 as the date the draft COBU paperwork forms are submitted to OWRD for the Clark Springs supply source.

RECEIVED
NOV 21 2007
WATER RESOURCES DEPT
SALEM, OREGON

We appreciate OWRD's willingness to consider allowing the City of Mt. Vernon the additional time required to complete the COBU process for the Clark Springs supply source. Please let us know if our proposal as outlined in this letter is acceptable to OWRD and that our water right permit status for the Clark Springs supply source is no longer cancelled. Thank you for your assistance.

Sincerely,

CITY OF MT. VERNON, OREGON

By Judi McNellis
Judi McNellis, City Recorder

cc: Brad D. Baird, PE, Anderson Perry & Associates, Inc.

City of Mt. Vernon
P.O. Box 647 - 199 West Main
MT. VERNON, OR 97865-0647

UNITED STATES POSTAGE
PITNEY BOWES
02 1P $ 000.41⁰
0004155079 NOV 19 2007
MAILED FROM ZIP CODE 97865

State of Oregon
Water Resources Dept.
North Mall Office Bldg.
725 Summer Street N.E. Suite A
Salem, Ore
97301-1266

Attn: Jerry Sauter

97301131266 C007

BEFORE THE WATER RESOURCES DIRECTOR OF OREGON

IN THE MATTER OF THE CANCELLATION)
OF CERTAIN PERMIT(S) TO APPROPRIATE) ORDER
WATER UNDER THE PROVISIONS OF ORS)
537.260)

The time within which the appropriations under the following water right permit(s) must have been perfected has expired. The owners of such permit(s) have failed or refused within the period of three months thereafter to submit proof of the completion of such appropriations as required by ORS 537.260. Consequently, notices have been addressed to each of the owners of said permit(s) by certified mail in accordance with the provisions of ORS 537.260 and ORS 174.160. The sixty-day time limit allowed in those notices has elapsed, and the owners of such permit(s) have failed or refused to submit proof of the completion of the appropriations under the terms and conditions of their respective permit(s).

PERMIT(S) TO USE GROUNDWATER:

Name	Basin Number	Watermaster District	Application Number	Permit Number
City of Mt Vernon	6	4	G-11679	G-12560

Proof of appropriation of water under the terms and conditions of the permit(s) listed has not been made to the satisfaction of the WATER RESOURCES DIRECTOR as required under ORS 537.260. NOW, THEREFORE, it is hereby ORDERED that the permit(s) are canceled in accordance with the provisions of ORS 537.260.

Dated at Salem, Oregon on November 14, 2007.

E. Timothy Wallin

E. Timothy Wallin, Water Rights Program Manager, *for*
Phillip C. Ward, Director

PLACED IN U.S. MAIL NOV 14 2007
BY OREGON WATER RESOURCES DEPARTMENT

This is a final order in other than 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 ORS 137-004-0080 you may either 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.

Mailing List for Cancellation Special Order Copies

Application # G-11679 Permit # G-12560 Cancellation Date: 11/14/2007

Original filed in Volume 73 Page 586

Copies Mailed
By: JS
(support staff)
On: 11/14/07
(date)

Copies sent to:

1. Permit Holder: City of Mt Vernon, Po Box 647, Mt Vernon OR 97865
2. WRD – File # G-11679
3. Water Availability – Ken Stahr
4. WRD – Watermaster # 4
5. CWRE - Anderson, Perry & Assoc., 1901 N Fir St, PO Box 1107, LA Grande OR 97850

10.24.2007.

I AM LOATHE TO CANCEL, AS I PREDICT A REQUEST FOR RECONSIDERATION. NOT THAT MAY BE THE ONLY WAY TO GET THEM INTO COMPLIANCE.

CANCEL.

JS 5&L

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

NOTE: For water rights information and useful forms, please see our web site at
www.oregon.gov/OWRD

August 1, 2007

Certified mail number 0983 3240
Return receipt requested

City of Mt Vernon
Po Box 647
Mt Vernon OR 97865

Reference: Application G-11679, Permit G-12560

Dear Permit Holder:

This letter is in regard to your water use permit as referenced above. Your permit required you to complete the development of your water use by 10/1/1999.

In order for the Department to consider issuance of a certificate of water right, you are required by law to hire a certified water right examiner to prepare and submit a claim of beneficial use that includes a final proof survey map of the development. The map and claim of beneficial use were to have been submitted to our Department within one year of 10/1/1999. A list of certified water right examiners is enclosed for your use.

If you are not finished with the development of your permit, you need to file an application for an extension of time to complete your development. An extension form is also enclosed with this letter.

In the event that you are no longer using water as allowed by this permit, you should cancel it so that we may clear our records. A cancellation form is enclosed, if you are interested in this option.

If you have not submitted either a Claim of Beneficial Use or a request for an extension of time for your permit within 60 days of the date of this letter (September 30, 2007) the Department may issue a Final Order to cancel your permit without further notice.

Should you have any questions, you may contact me at the address above or by telephone at 503-986-0817.

Sincerely,

Jerry Sauter
Water Rights Program Analyst

Enclosures (3)
cc: File G-11679
OWRD Watermaster District 4
Anderson, Perry & Associates, Inc.'s, 1901 N. Fir Street, PO Box 1107, La Grande, OR 97850

Mailing List for 60-Day Compliance Letter Copies

Application # G-11679 Permit # G-12560 Letter Date: August 1, 2007

Original mailed to:

Copies Mailed
By: GS
(support staff)
On: 8/1/07
(date)

City of Mt Vernon
PO Box 647
Mt Vernon OR 97865

☑ Certified Mail ☑ Return Receipt Received (date) 8/3/07

☐ Letter Returned (if checked, please complete below)

Attempted to find permit holder by:

☐ Internet search – sites _____

☐ Phone book search

☐ Tax Assessor's office search

☐ Other _____

Attempt to Find
By: _____
On: _____
(date)

Attempt Successful ☐ Yes ☐ No (if Yes, fill in new address)

New Address: _____

Date new letter sent: _____

Return receipt received (date)__

If attempt to find permit holder was not successful, name will be added to the Public Notice for 30 days

Date added to PN: _____

Copies sent to:

1. WRD – File # G-11679
2. Water Availability – Ken Stahr
3. WRD – Watermaster 4

Copies sent to Other Interested Persons (*CWRE, Agent, Well Driller, Commenter, etc.*)

Anderson, Perry & Associates, Inc.'s
1901 N. Fir Street
PO Box 1107
La Grande, OR 97850

PERMIT STATUS REVIEW BY KMF ***DATE*** 3/19/07 ***FILE #*** G-11679

1. Per Dwight French, **do not** send "C" DATE NOTICE PACKET if : update appropriate db

N Extension pending _____ _____

N Assignment is pending _____

N Cancellation has been requested ____ _____

N Dept. has already sent a **certified** 60-Day Compliance letter (date _____, #_____)
Was **60 days notice** allowed? Y N If No, How Much Time ? _____
Was mail deliverable as addressed? Y N date _____
If mail returned, online/www check ? Y N date _____ successful ? Y N
Re-send Cert. Letter ? Y N date _____
Send cancellation order Y N

N Claim of beneficial use and final proof map (COBU) have been received by Department
Date information received_____ _____

2. IF **NONE** OF THE ABOVE APPLY
✓ Send **certified** "C" date notice packet to permit holder.
"C" DATE 10/1/99 **BASIN NUMBER** 6 **WM #** 4

CWRE or AGENT_____

O.K. SEND 60 DAY LETTER
5/9/2007
REGULAR LETTER

S:\groups\wr\PERMIT C jd\c-date-checklist.doc

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

G-11679 jks
City of Mt Vernon
PO Box 647
Mt Vernon OR 97865

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Tammy L Burdick ☒ Agent ☐ Addressee

B. Received by (*Printed Name*) TAMMY BURDICK
C. Date of Delivery 08/03/07

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (*Extra Fee*) ☐ Yes

2. Article Number
(*Transfer from service label*) 7004 1160 0004 0983 3240

PS Form 3811, February 2004 Domestic Return Receipt WR 102595-02-M-154

UNITED STATES POSTAL SERVICE

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

WATER RESOURCES DEPARTMENT
725 SUMMER STREET NE SUITE A
SALEM OR 97301-1266

RECEIVED
AUG 06 2007
WATER RESOURCES DEPT
SALEM, OREGON

MEMORANDUM

Date: February 24, 2003

To: Appl #G-11679 (Permit #G-12560)

From: Lisa Juul

Subject: Status of permit

On February 18, 2003, Jess Holt of Anderson, Perry and Associates contacted me concerning a permit for the City of Mt. Vernon. Mr. Holt indicated that he will soon begin preparing the Final Proof Survey and Claim of Beneficial Use Report for Permit #G-12560. Once it is complete, it will be submitted to the Department.

File# G-11679

RECEIVED
FEB 21 2003
WATER RESOURCES DEPT
SALEM, OREGON

Oregon Water Resources Department

Quasi-Municipal/Municipal Water Use Permit Development Questionnaire

Permit Holder: CITY OF MT VERNON
Permit #G12560 **Application File #G11679**

Please indicate which of the following applies to the above referenced Quasi-Municipal or Municipal water use permit by checking the appropriate box:

1. The Permit is Ready for Final Proof and…

☒ a Claim of Beneficial Use and Final Proof Survey map will be prepared and submitted by a Certified Water Rights Examiner;

- OR -

☐ the Water Resources Department (WRD) has been notified that development of the permit is complete, and the permit holder is waiting for WRD to conduct the final proof survey.

2. Development of the Permit is Not Complete and…

☐ the permit holder will submit a permit extension of time application to **WRD no later than 90 days from the date of this letter (March 20, 2003).**

3. The Permit is Not Needed and Wish to Authorize Cancellation…

☐ the permit holder has determined that this permit is no longer needed and/or has chosen not to pursue development of the permit, and wishes to authorize its cancellation.

Signature of Authorized Personnel

2-19-03
Date

Please return completed form by March 20, 2003 to:
Water Resources Department
Attention: Lisa Juul
158 – 12th Street NE
Salem OR 97301-4172

CITY of MT. VERNON
P.O. Box 647 - 199 West Main
MT. VERNON, OR 97865-0647

MOUNT VERNON OREG. FEB 19'02 PB METER 8530274 $ 0.37 U.S. POSTAGE

Water Resources Department
158-12th Street NE
Salem, OR.
97301-4172

ATTN: Lisa Snell

97301+4172 09

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

Water Resources Department
Commerce Building
158 12th Street NE
Salem, OR 97301-4172
(503) 378-3739
FAX (503) 378-8130
www.wrd.state.or.us

December 20, 2002

CITY OF MT VERNON
PO BOX 647
MT VERNON OR 97865

REFERENCE: Permit #G12560 (App File #G11679) and the Adoption of New Administrative Rules for Municipal and Quasi-Municipal Water Use Permit Extensions

Dear Municipal and/or Quasi-Municipal Water Use Permit Holder:

The Water Resources Commission has adopted new administrative rules that govern the processing of Municipal and Quasi-Municipal permit extension requests. The new rules are contained in the Oregon Administrative Rules Chapter 690, Division 315 (OAR 690-315-0070 through 690-315-0100). If you wish to view a copy of the new Chapter 690, Division 315 Extension Rules, you may access the document from the Department's web page at:

http://www.wrd.state.or.us/cgi-bin/notices.pl?new _oars

The new rules implement many changes to the extension process for municipal and quasi-municipal permit holders. One of the most significant changes is that an extension is linked to the requirement to develop a Water Management and Conservation Plan under OAR Chapter 690, Division 86.

In preparation for implementing the new extension rules, the Department has reviewed its records and determined that the authorized date for completion of development for your water use permit has passed and that neither a permit extension of time application, nor a claim of beneficial use and final proof survey map, have been received.

As a result of this review, your water use permit falls into one of the three following categories:

1. Development is Not Complete

If development of your water use permit is not finished, you must submit an application for extension of time to complete construction of the water system and/or complete beneficial use of water to the full extent of the permit. You may access the "Application for Extension of Time for Quasi-Municipal and Municipal Water Use Permits" on the Department's website at:

http://www.wrd.state.or.us/publication/forms/index.shtml

2. Development is Complete and Final Proof Must be Submitted
If your water use permit was issued *after* July 9, 1987, and development of the permit is complete, you are required by law (ORS 537.230 and/or 537.630) to hire a certified water rights examiner to prepare and submit a claim of beneficial use and final proof survey map.

3. Development is Complete and Waiting for WRD to Conduct Final Proof Survey
If you applied for or received a permit ***on or before July 9, 1987***, and development of the permit is complete, you must notify the Department that the work has been completed and choose to either: **(a)** hire a water right examiner certified under ORS 537.798 to conduct a survey, the original to be submitted as required by the Water Resources Department, for issuance of a water right certificate; ***or*** **(b)** continue to appropriate water under the water right permit until the Water Resources Department conducts a survey and the commission issues a water right certificate under ORS 537.250 or 537.625.

4. Permit is Not Needed and Wish to Authorize Cancellation
If you have determined that this permit is no longer needed and/or you have chosen not to pursue development of the permit, you may choose to authorize its cancellation. If you are interested in this option, please contact Jerry Sauter of our Department at extension 274 for the appropriate cancellation form.

Once you have determined which development category applies to your water use permit, please complete the enclosed "Quasi-Municipal/Municipal Water Use Permit Development Questionnaire" form and return it to my attention at the Water Resources Department by March 20, 2003.

If you would like the new rules or extension application forms sent to you by mail, or if have any questions, please feel free to contact me by telephone at 503-378-8455, extension 272.

Sincerely,

Lisa J. Juul
Water Rights Specialist
Water Rights Section

enclosure

cc: App File #G11679 (Permit #G12560)

Oregon Water Resources Department

Quasi-Municipal/Municipal Water Use Permit Development Questionnaire

Permit Holder: CITY OF MT VERNON
Permit #G12560 Application File #G11679

Please indicate which of the following applies to the above referenced Quasi-Municipal or Municipal water use permit by checking the appropriate box:

1. The Permit is Ready for Final Proof and...

❑ a Claim of Beneficial Use and Final Proof Survey map will be prepared and submitted by a Certified Water Rights Examiner;

- OR -

❑ the Water Resources Department (WRD) has been notified that development of the permit is complete, and the permit holder is waiting for WRD to conduct the final proof survey.

2. Development of the Permit is Not Complete and...

❑ the permit holder will submit a permit extension of time application to **WRD no later than 90 days from the date of this letter (March 20, 2003).**

3. The Permit is Not Needed and Wish to Authorize Cancellation...

❑ the permit holder has determined that this permit is no longer needed and/or has chosen not to pursue development of the permit, and wishes to authorize its cancellation.

_____ _____
Signature of Authorized Personnel Date

Please return completed form by March 20, 2003 to:
Water Resources Department
Attention: Lisa Juul
158 - 12th Street NE
Salem OR 97301-4172

Oregon

WATER
RESOURCES
DEPARTMENT

JULY 9, 1996

CITY OF MT VERNON
P.O. BOX 647
MT VERNON, OREGON 97865

REFERENCE: REFUND, APPLICATION G-11679

Enclosed is a check, no. 167815, in the amount of $ 600.00. This is a refund of excess recording fees paid for the above referenced application file. Your permit is not affected by this refund of excess fees.

If you need further assistance please contact the Water Rights Section at the address listed below or phone (503) 378-3739.

Sincerely,

Jeremy Giffin
Water Rights Specialist

enclosure

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

167815

WARRANT NO.
114216300

WATER RESOURCES DEPARTMENT (503) 378-8455

INVOICE NO.	INVOICE DATE	INVOICE DESCRIPTION	AGY	DOCUMENT	AMOUNT
		REVENUE REFUND 120014	690	VP001050	600.00

ISSUE DATE: 07/05/96

WARRANT AMOUNT 600.00

VENDOR NAME: CITY OF MT VERNON
VENDOR NUMBER: 9690000001

STATE OF OREGON
Dept of Administrative Services
To the State Treasurer, Salem, OR 97310

DATE ISSUED MO-DAY-YR	VOID AFTER MO-DAY-YR
07/05/96	07/05/98

96-10
1232

BANK	WARRANT NO.
11	4216300

VENDOR NO.
9690000001

PAY THIS AMOUNT
$600.00

**********SIX HUNDRED AND 00/100 DOLLARS

PAY TO THE ORDER OF

CITY OF MT VERNON
P O BOX 647
MT VERNON OR 97865

⑈4216300⑈ ⑆123200104⑆ 10501⑈

INTEROFFICE MEMO

TO: FISCAL SECTION DATE: 6-14-96

FROM: Jeremy Giffin
Authorized Examiner

SUBJECT: Request for transfer of fees or refund check

Please transfer $_____ Receipt _____ from file _____ to file _____ for:
_____ Examination fee
_____ Permit Recording Fee

City of Mt. Vernon
P.O. Box 647
Mt. Vernon OR 97865

Please refund $ 600 to City of Mt. Vernon file G-11679, receipt 120014. These funds are refunded due to:

JUN 29 1996

_____ Application rejected
_____ Application withdrawn
__X__ Excess fees collected for application/PON
_____ Payment of PON
_____ Protest Filing Fees
_____ Other: 0204

STATE OF OREGON

COUNTY OF GRANT

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

CITY OF MT. VERNON
P.O. BOX 647
MT VERNON, OREGON 97865

(541) 932-4688

The specific limits for the use are listed below along with conditions of use.

APPLICATION FILE NUMBER: G-11679

SOURCE OF WATER: ONE WELL WITHIN INGLE CREEK BASIN

PURPOSE OR USE: MUNICIPAL

RATE OF USE: 0.557 CUBIC FOOT PER SECOND

PERIOD OF ALLOWED USE: YEAR ROUND

DATE OF PRIORITY: JANUARY 7, 1988

POINT OF DIVERSION LOCATION: NE 1/4 SE 1/4, SECTION 28, T13S, R30E, W.M.; 2729 FEET SOUTH AND 1818 FEET EAST FROM THE N 1/4 CORNER OF SECTION 28

THE PLACE OF USE IS LOCATED AS FOLLOWS:

WITHIN THE CITY OF MT. VERNON SERVICE AREA

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.

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.

C. The Director may require the permittee to keep and maintain a record of the amount (volume) of water used and may require the permittee to report water use on a periodic schedule as established by the Director. In addition, the Director may require the permittee to report general water use information, the periods of water use and the place and nature of use of

water under the permit. The Director may provide an opportunity for the permittee to submit alternative reporting procedures for review and approval.

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.

Use of water under authority of this permit may be regulated if analysis of data available after the permit is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of the right or as those quantities may be subsequently reduced.

STANDARD CONDITIONS

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

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.

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

This 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.

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 of water shall be limited when it interferes with any prior surface or ground water rights.

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

Actual construction of the well shall begin within one year from permit issuance and shall be completed on or before October 1, 1998. Complete application of the water to the use shall be made on or before October 1, 1999.

Issued June 25, 1996

for Martha O. Pagel, Director
Water Resources Department

COPY CHECK-OFF SHEET FOR PROPOSED FINAL ORDERS

CC: FILE # G-11679

WATERMASTER # 04

REGIONAL MANAGER: Mike Ladd

ODF&W - Grant County:

CWRE (if agent):

DEQ

OTHER STATE AGENCY IF NECESSARY:

DIVISION 33 LIST: x COLUMBIA RIVER INTERTRIBAL FISH COMMISSION; U.S. FISH & WILDLIFE; NORTHWEST POWER PLANNING COUNCIL & NATIONAL MARINE FISHERIES
(CHECK ONLY IF APPLICABLE)

POWER BUILDER UPDATER; FRONT COUNTER Ken Stahr

OTHER ADDRESSES OF PEOPLE WHO PAID THE $10 FEE:
Michael Ricker, rmd

PEOPLE WITH OBJECTIONS, COMMENTS OR REQUESTED COPY W/O $10 (SEND THE $10 LETTER):

CASEWORKER : WHF

STATE OF OREGON
WATER RESOURCES DEPARTMENT

INTEROFFICE MEMO

To: FILE

Date: December 19, 1995

From: MICHAEL ZWART

Subject: APPLICATION G-11679, ECHO CANYON RANCHES, INC.

I was assigned to review this application. It had previously been given a Division 9 review and a Diack review by Marc Norton. My review is consistent with the earlier reviews. A copy of the Scenic Waterway Interference Evaluation is attached.

I recommend that permit condition 7B should be imposed, which corresponds with old condition 4I recommended by Marc.

G11679

Water Resources Department

MEMO December 19, 1995

TO **Application G-11893**

FROM **GW:** Michael Zwart
(Reviewer's Name)

SUBJECT **Scenic Waterway Interference Evaluation**

☑ Yes
☐ No

The source of appropriation is within or above a Scenic Waterway.

☑ Yes
☐ No

Use the Scenic Waterway condition (Condition 7J).

PREPONDERANCE OF EVIDENCE FINDING: (Check box only if statement is true)

☑

At this time the Department is unable to find that there is a preponderance of evidence that the proposed use of ground water will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife.

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

Exercise of this permit is calculated to reduce monthly flows in _____ Scenic Waterway by the following amounts expressed as a proportion of the consumptive use by which surface water flow is reduced.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE ## G-11893

ROUTED TO: Water Rights

TOWNSHIP/
RANGE-SECTION: T31S/R42E-31

CONDITIONS ATTACHED? [X] yes [ ] no

REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: Michael Zwart

STATE OF OREGON
WATER RESOURCES DEPARTMENT

INTEROFFICE MEMO

To: FILE

Date: December 15, 1995

From: MICHAEL ZWART

Subject: APPLICATION G-11679, CITY OF MT. VERNON

I was assigned to review this application. It had previously been given a Division 9 review by Doug Woodcock. It had also previously been given a Diack review by Marshall Gannett. My review is consistent with the earlier reviews. A copy of the Scenic Waterway Interference Evaluation is attached. My review is for the original infiltration well proposed in the Applicarion.

I believe that this file contains information provided in September and October of 1994 by Anderson Perry & Associates which most likely belongs in file G-13167 and now could arguably also belong to file G-14194. I do not believe that the City is now intending to amend this application to include multiple wells. If I am wrong about this, please notify me so that a re-review of the application can be done based on the new information.

G 11679

Water Resources Department

MEMO December 15, 1995

TO **Application G-** 11679

FROM **GW:** Michael Zwart
(Reviewer's Name)

SUBJECT **Scenic Waterway Interference Evaluation**

☑ Yes
☐ No

The source of appropriation is within or above a Scenic Waterway.

☑ Yes
☐ No

Use the Scenic Waterway condition (Condition 7J).

PREPONDERANCE OF EVIDENCE FINDING: (Check box only if statement is true)

☑

At this time the Department is unable to find that there is a preponderance of evidence that the proposed use of ground water will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife.

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

Exercise of this permit is calculated to reduce monthly flows in _____ Scenic Waterway by the following amounts expressed as a proportion of the consumptive use by which surface water flow is reduced.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE ## G- 11679

ROUTED TO: Water Rights

TOWNSHIP/
RANGE-SECTION: 13S/30E 28

CONDITIONS ATTACHED? [ ]yes [ ]no

REMARKS OR FURTHER INSTRUCTIONS:
Note - some material in file may be misfiled; see memo

Reviewer: Mike Zwart

AUG 26, 1999

TO: Water Rights Section

FROM: Groundwater/Hydrology Section D.

SUBJECT: Application G- 11679

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

2. BASED UPON OAR 690-09 currently in effect,
   a. ✓ will, or have the potential for subs
   b. ___ will not source, namely JOHN D.
   c. ___ will, if properly conditioned, adequately
      i. ___ The permit should contain conditi
      ii. ___ The permit should contain special
      iii. ___ The permit should be conditioned
   d. ___ will, with well reconstruction, adequately

Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE ## 11679

ROUTED TO: T. SHOOK

TOWNSHIP/
RANGE-SECTION: 13S/30E – 28

CONDITIONS ATTACHED? (X) yes [ ] no

REMARKS OR FURTHER INSTRUCTIONS:
HYDRAULIC CONNECTION
W/ JOHN DAY RIVER

Reviewer: D. WOODCOCK

3. BASED UPON available data, I have determin
   a. ___ will, or likely be available in the
   b. * will not within the capacity of the
   c. ___ can, if properly conditioned, avoid injur
      i. ___ The permit should contain conditi
      ii. ___ The permit should contain special condition(s) as indicated in [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-11679

REMARKS: * IT IS UNLIKELY THAT 250 gpm WILL BE AVAILABLE YEAR-ROUND. SUBSTANTIAL REDUCTION IN FLOWS WILL OCCUR IN LATE SUMMER. THIS DOES NOT CONSTITUTE INJURY TO THE RESOURCE, IT MERELY MEANS THE AQUIFER CANNOT PRODUCE THAT RATE OF FLOW YEAR-ROUND. IF THE ABOVE CONCERNS ARE OVERCOME, CONDITION PERMIT W/ 4I AS A PROTECTION MEASURE FOR INTERFERENCE.

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

5. THE WELL which is the point of appropriation for this application does not meet current well construction standards based upon:
   a._____review of the well log;
   b._____field inspection by _____;
   c._____report of CWRE _ _____;
   d._____other: (specify) _____
   _____.

6. THE WELL construction deficiency:
   a._____constitutes a health threat under Division 200 rules;
   b._____commingles water from more than one groundwater reservoir;
   c._____permits the loss of artesian head;
   d._____permits the de-watering of one or more groundwater reservoirs;
   e._____other: (specify) _____
   _____.

7. THE WELL construction deficiency is described as follows: _____
   _____
   _____
   _____.

8. THE WELL
   a._____was, or
   b._____was not
   c._____I don't know
   constructed according to the standards in effect at the time of original construction or most recent modification.
   if it met standards at the time of construction.

RECOMMENDATION:

A.___I recommend including the following condition in the permit:
"No water may be appropriated under terms of this permit until the well(s) has been repaired to conform to current well construction standards and proof of such repair is filed with the Enforcement Section of the Water Resources Department."

B.___I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Enforcement Section of the Water Resources Department.

C.___REFER this review to Enforcement Section for concurrence.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

I concur in G/H's recommendation A or B above relating to conditioning or withholding the permit.

_____ _____, 1993.
(Signature)

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

_____ _____, 1993.
(Signature)

(WRFORM8\91)

WATER RESOURCES DEPARTMENT MEMORANDUM

TO: Groundwater/Hydrology Files Date Aug 26, 1993

FROM: Douglas Woodcock

SUBJECT: Groundwater Application G- 11679

Applicant(s) seek 250 gpm ( ) cfs) from ONE INFILTRATION wells in the
JOHN DAY basin
sub basin
sub basin.

Pertinent 7 1/2 - minute quads Mt. VERNON

Well ____ WRD# NOT ASSIGNED T 13 S R 30 E S 28 QQ NE SE County GRANT
Legal Description 2729 ft S. & 1818 E FROM N 1/4 SEC 28
Well is 500 ft from INGLE CR (river/stream)
Well is 1100 ft from JOHN DAY RIVER (river/stream)
Well elevation 2859 ft. River/stream elevation 2859 (INGLE) 2840 (J.D.) ft.
Well elevation - river/stream elevation 0' INGLE 19' JOHN DAY
Well depth 8' SWL EST 7' on
Sealed to NONE Depth first water found 7'
Cased to 8' Perforations/screens
Lined to Perforations/screens
Well tests and types
Confined or unconfined? UNCONFINED Direct hydraulic connection? INGLE CR AND JOHN DAY
Potential to cause substantial interference? YES

Well ____ WRD# ____ T ____ R ____ S ____ QQ ____ County ____
Legal Description
Well is ____ ft from ____ (river/stream)
Well is ____ ft from ____ (river/stream)
Well elevation ____ ft. River/stream elevation ____ ft.
Well elevation - river/stream elevation
Well depth SWL on
Sealed to Depth first water found
Cased to Perforations/screens
Lined to Perforations/screens
Well tests and types
Confined or unconfined? Direct hydraulic connection?
Potential to cause substantial interference?

Conditioned water rights in area:
Other nearby water rights of record:
Density of nearby wells:

Comments: WELL DEVELOPED IN UNCONFINED SAND & GRAVEL ADJACENT TO INGLE CR & JOHN DAY RIVER. DIRECT HYDRAULIC CONNECTION EXISTS BETWEEN THIS 8' DEEP INFILTRATION GALLERY AND NEARBY SURFACE WATER.

References used: BROWN & THAYER (1966)

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G-11679

Final Order

Application History

On January 7, 1988, CITY OF MT. VERNON submitted an application to the Department for a water use permit. The Department issued a Proposed Final Order on April 9, 1996. The protest period closed May 24, 1996, and no protest was filed.

The proposed use would not impair or be detrimental to the public interest.

Order

Application G-11679 therefore is approved as proposed by the Proposed Final Order, and Permit Number G-12560 is issued as limited by the conditions proposed by the Proposed Final Order.

DATED June 25, 1996

for Martha O. Pagel
Director

Appeal Rights

Under the provisions of ORS 183.484, the applicant may appeal this order by filing a petition for review in the Circuit Court for Marion County or the circuit court for the county in which the applicant resides or has a principal business office. The petition for review must be filed within 60 days after the date this order is served.

Application No. G-11679 Permit No.

RECEIVED

STATE OF OREGON WATER RESOURCES DEPARTMENT

Application for a Permit to Appropriate Ground Water

JAN - 7 1988

WATER RESOURCES DEPT.
SALEM, OREGON

I, City of Mt. Vernon (a municipality) (Name of Applicant)

of P.O. Box 647 (Mailing Address), (City)

State of Oregon, 97865 (Zip Code) Phone No. 932-4688 OR contact Douglas Ferguson, Engineer at 932-4520 do hereby make application for a permit to appropriate the following described ground waters of the State of Oregon:

1. The development will consist of Ground Water Infiltration Gallery (Give number of wells, tile lines, infiltration galleries, etc.) having a diameter of 12" and an estimated depth of 11± feet.

2. The well or other source is to be located 2729± ft. South (N. or S.) and 1818± ft. East (E. or W.) from the North 1/4 corner of Section 28, Twp. 13 S., Range 30 E., W.M. (Public Land Survey Corner)
Grant County OR (If there is more than one well, each must be described)
being within the N.E. ¼ of the S.E. ¼ of
Sec. 28 Tp. 13 S. R. 30 E., W. M., in the county of Grant

3. Location of area to be irrigated, or place of use if use other than irrigation.

Township	Range	Section	List ¼ ¼ of Section	List use and/or number of acres to be irrigated
13 S.	30 E.	28	E½ of the NW¼	Municipal, domestic water
"	"	"	W½ of the NE¼	" " "
"	"	"	NE¼ of the SW¼	" " "
"	"	"	NW¼ of the SE¼	" " "
"	"	"	NE¼ of the SE¼	" " "
13 S.	30 E.	21	E½ of the SW¼	" " "
"	"	"	W½ of the SE¼	" " "
"	"	"	SW¼ of the NE¼	" " "
				" " "

4. It is estimated that 280 Horizontal collection piping ~~feet of the well will require~~ 12" perf. C.M.P. (Kind) casing.

5. Depth to water table is estimated 11± (Feet) Well ~~drilled~~ constructed by Larry Lemons & Doug Ferguson

Form 690-3-0-1-77

FO CHECKLIST

PFO TO FO CONVERSION

FILE # G-11679

WEEK # 37

REVIEW DATE: 6/14/9

INITIALS : JTG

In preparing the FO, you should check the following:

1. Y / N Were comments or protests received in response to the PFO?
2. X List names and addresses of **ALL** commentors (regardless of comment date) on the PFO CC list.
3. $600 Verify payment of recording fees (circle the appropriate option)
   (1) Issue FO w/permit if fees are paid -- Prepare refund request for excess fees
   (2) Issue FO w/o permit if fees are lacking

   200 E
   100 Re
   300 -
4. Y / N Is the file lacking a signed oath of accuracy for the application?
5. Y / N Has ODFW asked for self certification on screening condition?
6. Y / N Is water use prohibited for one or more months of the normal use period?
7. Y / N If #6 = "Y", is short season letter on file?
8. ___ Assign permit numbers to files with oath, fees, and no protests or other issues

Route to: (circle one)

DENIAL LARRY | FO w/o PERMIT CORY | FO & PERMIT JERRY | COMMENTS DOUG

78
75

9. Y / N Is further processing possible? If not state reason: _____
10. JMG Notify applicant of additional information or fees required prior to permit issuance (Use standard wording from M:\T\FO\TOOLS if possible)

Modify FO as needed to:

11. JMG Respond to significant comments, issues, or disputes related to the proposed use o water (see notes, if any, listed above)
12. ___ Include or exclude permit conditions and management codes
13. ___ Correct PFO errors (such as POD or POU location (verify from map), Permit format)

Once FO document is completed:

14. JMG Save WordPerfect document in M:\T\FO\WEEK 40 & delete duplicates
15. ___ Print final draft of document and submit to team leader for review
16. Y / N Team leader review completed

STATE OF OREGON
WATER RESOURCES DEPARTMENT
WATER RIGHTS DIVISION

Before the Director of the Water Resources Department

In the matter of	)	PROPOSED
Groundwater Application	)	FINAL
G-11679 submitted by	)	ORDER
CITY OF MT. VERNON		

FINDINGS OF FACT

Water Use Request

1. CITY OF MT. VERNON requested use of 250.0 GALLONS PER MINUTE of water from ONE WELL WITHIN INGLE CREEK BASIN for MUNICIPAL within the John Day basin.

2. The area of proposed use is in Grant County within SECTION 21 and SECTION 28 TOWNSHIP 13 SOUTH, RANGE 30 EAST, W.M. .

3. The water delivery system is described by the applicant as follows: The collection system will consist of 280' of perf pipe which is a horizontal collection system. This collection system is connected to a 48" manhole which gravity feeds a chlorination tank. An over flow line exists which leads to the pond for use by the landowner. From the chlorination tank, water will be pumped, using an end suction centrifugal pump rated at 15 hp @ 3600 rpm. The water will then be carried under pressure from the tank, 600' in a 6" transmission line to a connection to the city water system.

4. The request was made in Application G-11679 which was received by the Water Resources Department on January 7, 1988.

Affected Waters

1. This proposed use of groundwater is above the John Day River State Scenic Waterway.

2. There are other water rights on **Ingle Creek** or on downstream waters.

3. There are no senior water rights from this point of appropriation.

Department Actions

1. The application was determined to be complete and not defective.

2. The Department determined, based upon OAR 690-09, that the proposed groundwater use will have the potential for substantial interference with the nearest surface water source, namely the **Ingle Creek**.

3. An Initial Review of the application was completed and a report of the results of that review was mailed to the applicant on JANUARY 5, 1996.

4. The Initial Review determined:
   a. MUNICIPAL is allowed under the John Day Basin Program.
   b. The use is not prohibited by Statute.
   c. Water for the proposed use is not available in the amounts requested.
   d. The use would not injure existing water rights.

5. The report of Initial Review listed these determinations and disclosed a number of conditions and restrictions that would likely be included in the permit if issued. These conditions and restrictions are listed in the attached draft permit.

6. The applicant did not notify the Department to stop processing this application within 14 days after the report was mailed as provided in ORS 537.150(5).

7. The Department proceeded with processing the application and on JANUARY 23, 1996 published notice of the application in its weekly Public Notice of Water Rights.

8. At the close of the 30 day comment period provided in ORS 537.150(7), the Department had received comments on the application.

Assessment

1. In proceeding with evaluation of Application G-11679, the following criteria were found to be relevant by the Department.

   a. The John Day Basin Program (OAR Chapter 690, Division 506)
   b. The Scenic Waterway Act (ORS 390.835 (8) Groundwater related applications)
   c. Groundwater availability as determined by the Groundwater/Hydrology staff (OAR Chapter 690, Division 9)
   d. The established rate and duty for the proposed use
   e. Pending, senior applications and existing water rights of record
   f. Comments received

CONCLUSIONS OF LAW

1. Based upon continued evaluation, the Department finds the determinations of the Initial Review require modification. Based on data received, the Department has determined that at this time the Department is unable to find that there is a preponderance of evidence that the proposed use of ground water will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife. The Department has further determined that, to protect the resource, additional conditions on the proposed water use is necessary. The condition, as further described on the attached draft permit, would require that the use may be regulated if analysis of data available after the permit or certificate is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary

for recreation, fish and wildlife in effect as of the priority date of the right or as those quantities may be subsequently reduced. Although scenic waterway flows are not an issue in this application, the water availability for certificated rights limits the months available to October 1 through June 30. However, the limiting instream right (Certificate 59787) exempts municipal purposes. Therefore the use is allowable year round. Also the attached permit contains a condition which protects other senior groundwater users.

2. The period of allowed use is YEAR ROUND.

3. The Department finds that no more than 0.557 cubic foot per second would be necessary for the proposed use. The amount of water requested, 250.0 GALLONS PER MINUTE, is allowed for the proposed use.

4. The application was filed prior to the adoption of OAR 690-05, therefore the submission of land use information with the application is not required.

5. Pursuant to ORS 390.835 (8), the proposed use, as conditioned, will not reduce streamflows needed to maintain the free-flowing character of the JOHN DAY River Scenic Waterway in quantities necessary for recreation, fish and wildlife uses.

6. The proposed use would not conflict with existing water rights, and, if exercised in accordance with law, rule, and the proposed conditions would not result in injury to existing water users.

7. The proposed use complies with all other rules of the Commission.

8. Pursuant to Chapter 416, Oregon laws, 1995, enacted by the 68th Oregon Legislative Assembly, and given the findings listed above, a rebuttable presumption has been established that the use will not impair or be detrimental to the public interest if exercised in the manner described in the attached draft permit.

9. Therefore, the proposed use, as conditioned, and described in the attached draft permit, would not impair or be detrimental to the public interest.

PROPOSED ORDER

IT IS PROPOSED that Application G-11679 in the name of CITY OF MT. VERNON be approved for MUNICIPAL as provided in the attached draft permit.

DATED April 9, 1996

Steven P. Applegate
Administrator
Water Rights and Adjudications Division

NOTICE:
This Proposed Final Order is issued by the Department pursuant to Chapter 416, Oregon laws, 1995, enacted by the 68th Oregon Legislative Assembly.

To seek changes in this proposed final order, you must file a formal protest.

Formal protests to this proposed final order must be made in proper form and accompanied by the statutory fee in the amount of $200. Note: The applicant is not subject to this fee.

For other than the applicant, if you agree with the findings in this proposed order, but wish to maintain your right to participate in any contested case proceeding or judicial review, you must file a written request for standing. Requests for standing in proceedings relating to this application must be made in the proper form and accompanied by the statutory fee in the amount of $50.

Protests or requests for standing, along with the appropriate fees must be received by the Water Resources Department in Salem, Oregon by 5:00 pm on May 24, 1996.

Only the applicant and any persons who timely file a protest or request for standing may participate in further proceedings before the Department or the Commission which deal with this Application.

DRAFT
STATE OF OREGON

COUNTY OF GRANT

DRAFT PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS DRAFT PERMIT IS HEREBY ISSUED TO

CITY OF MT. VERNON
P.O. BOX 647 (541) - 932-4688
MT VERNON, OREGON 97865

The specific limits for the use are listed below along with conditions of use.

APPLICATION FILE NUMBER: G-11679

SOURCE OF WATER: ONE WELL WITHIN INGLE CREEK BASIN within the John Day basin

PURPOSE OR USE: MUNICIPAL

Rate of use: 0.557 cubic foot per second

The period of allowed use is YEAR ROUND

DATE OF PRIORITY: January 7, 1988

POINT OF DIVERSION LOCATION: NE 1/4 SE 1/4, SECTION 28, T13S, R30E, W.M.; 2729 FEET SOUTH & 1818 FEET EAST FROM N1/4 CORNER, SECTION 28

THE PLACE OF USE IS LOCATED AS FOLLOWS:

SW 1/4 NE 1/4
NE 1/4 SW 1/4
SE 1/4 SW 1/4
NW 1/4 SE 1/4
SW 1/4 SE 1/4
SECTION 21
NW 1/4 NE 1/4
SW 1/4 NE 1/4
NE 1/4 NW 1/4
SE 1/4 NW 1/4
NE 1/4 SW 1/4
NE 1/4 SE 1/4
NW 1/4 SE 1/4
SECTION 28
TOWNSHIP 13 SOUTH, RANGE 30 EAST, W.M.

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.

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.

C. The Director may require the permittee to keep and maintain a record of the amount (volume) of water used and may require the permittee to report water use on a periodic schedule as established by the Director. In addition, the Director may require the permittee to report general water use information, the periods of water use and the place and nature of use of water under the permit. The Director may provide an opportunity for the permittee to submit alternative reporting procedures for review and approval.

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.

Use of water under authority of this permit may be regulated if analysis of data available after the permit is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of the right or as those quantities may be subsequently reduced.

STANDARD CONDITIONS

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

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.

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

This 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.

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 of water shall be limited when it interferes with any prior surface or ground water rights.

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

Actual construction of the well shall begin within one year from permit issuance, and shall be completed on or before October 1, 1998. Complete application of the water to the use shall be made on or before October 1, 1999.

Issued _____, 199_

DRAFT

_____
Water Resources Department
Director

NUMBER 98543

Check 600.00 MO Cash

____ Surface Application

____ Reservoir Application

X Ground Water Application 0/600

____ Transfer Application

____ Power Claim

____ Hydroelectric Examination

____ Hydroelectric License

____ Copying

____ Assignment

____ Extension of Time

____ Other

____ P-6

Rtfile

____ Quadrangle

____ Basin

[redacted]

City of Mt. Vernon Administrative Account

0004010

OUR REF. NO.	YOUR INVOICE NO.	INVOICE DATE	INVOICE AMOUNT	AMOUNT PAID	DISCOUNT TAKEN	NET CHECK AMOUNT
	CHECK DATE: 12/12/94 CHECK NUMBER: 4010					
	AMOUNT: ********$600.00					
	PAID TO: ORE WATER RESOURCES DEPT					
	FOR: WTR RT TRANS/~~HIGHLAN WELL~~ ½ Council ½ Ithnes					
	ACCOUNT: 6800-14		AMOUNT: 600.00	ACCOUNT:	AMOUNT:	

RECEIVED
DEC 16 1994
WATER RESOURCES DEPT.
SALEM, OREGON

G-11679 misfiled? 12/15/95 MJZ

12-06-94A11:08 RCVD

RECEIVED
DEC 16 1994
WATER RESOURCES DEPT.
SALEM, OREGON

AGREEMENT FOR USE
OF
HINES WELL

This agreement, entered into this 1st day of December, 1994 by and between the City of Mt. Vernon, hereafter known as CITY, and the D.R. Johnson Lumber Company, hereafter known as OWNER.

The D.R. Johnson Lumber Company (OWNER) owns a well located in the old Hines Lumber Mill at N.E.1/4, N.E.1/4 Section 28, Township 13S, Range 30E Willamette Meridian. The OWNER has agreed to allow the City (CITY) to use the well for a temporary basis, with no lease costs, until the CITY can drill wells of their own. The OWNER has agreed not to schedule any use of the well, however unforseen circumstances can arise which may necessitate the use of the well. The OWNER and CITY will have to discuss these unforseen situations should they arise.

The OWNER has agreed to allow CITY to place a three inch (3") pipeline on the Lumber Mill Property to facilitate transmission of water to the City's water distribution system.

The CITY agrees to use the well and pay for all necessary operation and maintenance costs. In addition the CITY fully understands this use is temporary and if the OWNER needs the well the CITY may have to abandon it.

The CITY agrees to keep OWNER informed on all correspondence regarding the well.

The CITY agrees to maintain security of the well and improvements.

When the CITY drills new wells and these wells are connected into the distribution system the former Hines Lumber Mill Well will be abandoned. Abandonment may entail abandonment of other improvements also. At this time the OWNER will be contacted by CITY to ensure abandonment is completed to OWNERs satisfaction.

CITY	OWNER
DATE: November 22, 1994	DATE: 12/1/94
MAYOR: [signature]	OWNER: [signature] Pres.
WITNESS: May McGowan	WITNESS:

MAM:mm

RECEIVED
DEC 16 1994
WATER RESOURCES DEPT.
SALEM, OREGON

11-21-94P12:51 RCVD

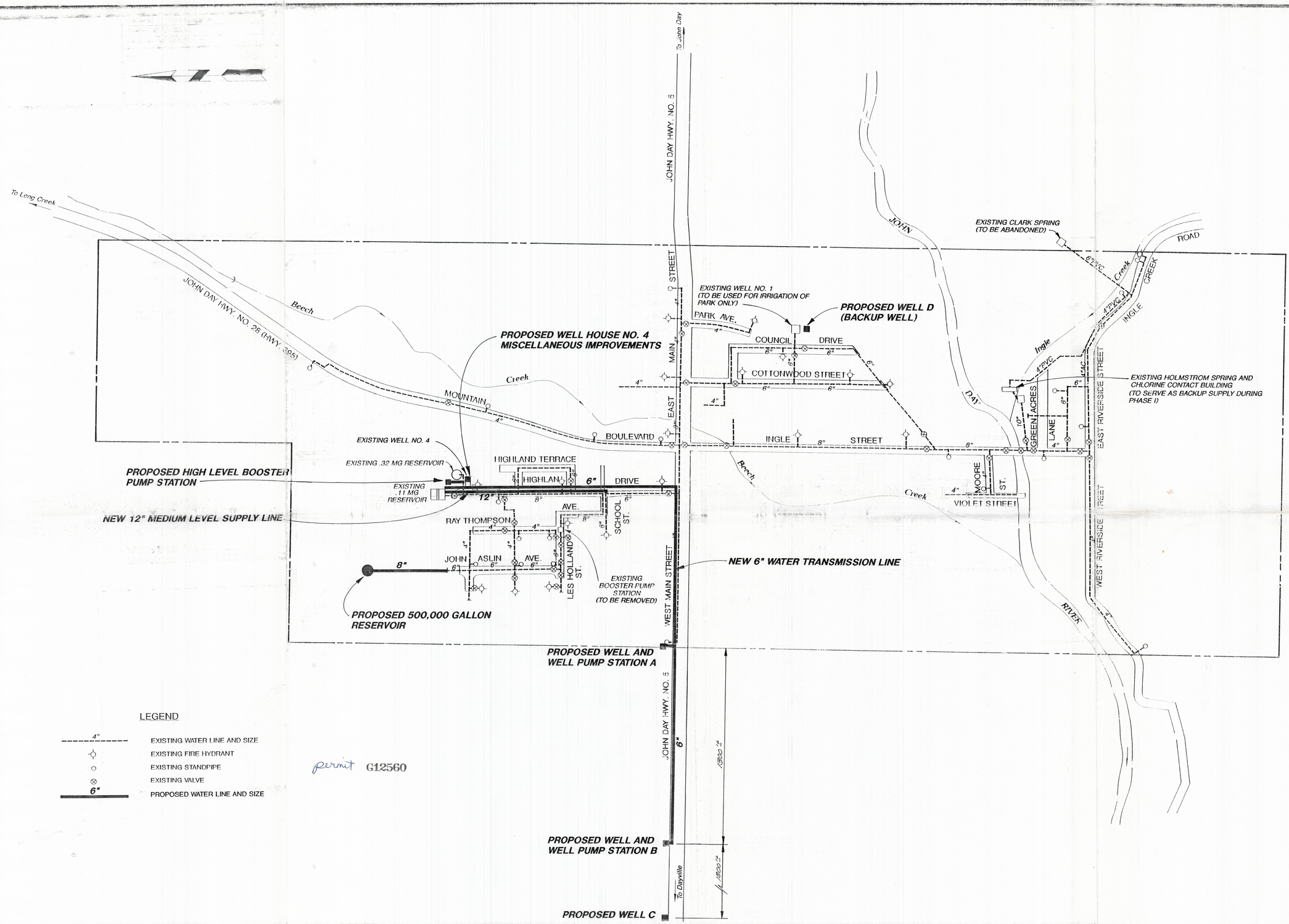
November 21, 1994

City of Mt. Vernon

I, Duane Davey, give the City of Mt. Vernon permission to cross my property with a water line from D.R. Johnson's well East of Mt. Vernon, until the City has solved their water problems and no longer needs the temporary water line.

Date: November 21, 1994

Signed Duane Davey
Duane Davey



LEGEND

- 4" — EXISTING WATER LINE AND SIZE
- EXISTING FIRE HYDRANT
- EXISTING STANDPIPE
- EXISTING VALVE
- 6" — PROPOSED WATER LINE AND SIZE

permit G12560

RECEIVED
OCT 21 1994
WATER RESOURCES DEPT.
SALEM, OREGON

REVISION	BY	DATE	
DESIGNED BY P. HUGHES			
DRAWN BY L. BAUER			
REVIEWED BY S. ANDERSON			

SCALE IN FEET
300 0 300 600 900

HORIZ. SCALE 1" = 300' VERT. SCALE
JOB NUMBER 905-42 DATE 1994
ACAD FILE:

COPYRIGHT 1994 BY ANDERSON-PERRY & ASSOC., INC.

PRELIMINARY

REGISTERED PROFESSIONAL ENGINEER 7457 OREGON JULY 16, 1972 STEPHEN C. ANDERSON
EXPIRES: 12-31-

anderson perry & associates, inc.
LA GRANDE, OR WALLA WALLA, WA LEWISTON, ID

CITY OF MT. VERNON
WATER SYSTEM IMPROVEMENTS

PROPOSED WATER SYSTEM IMPROVEMENTS
PHASE I – WATER SUPPLY/TREATMENT/STORAGE

FIGURE 1

Application No. G-11679 Permit No.

RECEIVED
JAN - 7 1988
WATER RESOURCES DEPT.
SALEM, OREGON

STATE OF OREGON WATER RESOURCES DEPARTMENT

Application for a Permit to Appropriate Ground Water

I, City of Mt. Vernon (a municipality)
(Name of Applicant)

of P.O. Box 647
(Mailing Address), (City)

State of Oregon, 97865 (Zip Code) Phone No. 932-4688 OR contact Douglas Ferguson, Engineer at 932-4520 do hereby make application for a permit to appropriate the following described ground waters of the State of Oregon:

1. The development will consist of Ground Water Infiltration Gallery
(Give number of wells, tile lines, infiltration galleries, etc.)
having a diameter of 12" and an estimated depth of 16 feet.

2. The well or other source is to be located 2729.0 ft. South (N. or S.) and 1818.0 ft. East (E. or W.) from the North 1/4 corner of Section 28, Twp. 13 S., Range 30 E., W.M.
(Public Land Survey Corner)
Grant County OR.
(If there is more than one well, each must be described)
being within the N.E. 1/4 of the S.E. 1/4 of Sec. 28 Tp. 13 S. R. 30 E., W. M., in the county of Grant.

3. Location of area to be irrigated, or place of use if use other than irrigation.

Township	Range	Section	List 1/4 1/4 of Section	List use and/or number of acres to be irrigated
13 S.	30 E.	28	E 1/2 of the NW 1/4	Municipal, domestic wate
"	"	"	W 1/2 of the NE 1/4	" " "
"	"	"	NE 1/4 of the SW 1/4	" " "
"	"	"	NW 1/4 of the SE 1/4	" " "
"	"	"	NE 1/4 of the SE 1/4	" " "
13 S.	30 E.	21	E 1/2 of the SW 1/4	" " "
"	"	"	W 1/2 of the SE 1/4	" " "
"	"	"	SW 1/4 of the NE 1/4	" " "
				" " "

4. It is estimated that 280 Horizontal collection piping ~~feet of the well will require~~ 12" perf. C.M.P. (Kind) casing.

5. Depth to water table is estimated 16 (Feet) Well ~~drilled~~ constructed by Larry Lemons & Doug Ferguson

Form 690-3-0-1-77

6. The amount of water which the applicant intends to apply to beneficial use is ..... cubic feet per second or 250 gallons per minute.

7. The use to which the water is to be applied is City of Mt. Vernon, Municipal, use.

8. If the flow to be utilized is artesian, the works to be used for the control and conservation of the supply when not in use must be described.

N.A.

9. If the location of the well, or other development work is less than one-fourth mile from a natural stream channel, give the distance to the channel and the difference in elevation between the stream bed and the ground surface at the source of development.

Distance is 1300 ft. to ℄ John Day River, stream bed - 18ft.

10. DESCRIPTION OF WORKS

Include length and dimensions of supply ditch or pipeline, size and type of pump and motor, type of irrigation system to adequately describe the proposed distribution system.

280' 12" perf. pipe, horizontal collection system, connected to 48" manhole, gravity flow to Chlorination tank. Overflow line leading to pond, for use by landowner. From the chlorination tank, water will be pumped, using an end suction centrifugal pump, rated at 15 H.P. @ 3600 R.P.M. The water will then be carried under pressure from the tank, 600 ft. in a 6" transmission line to a connection to the City water system. (See Attached As Constructed Drawings.)

11. Construction work will begin on or before has begun - June 1, 1987

12. Construction work will be completed on or before Aug. 31, 1987

13. The water will be completely applied to the proposed use on or before Sept. 1, 1987

14. If the ground water supply is supplemental to an existing supply, identify the supply and existing water right. Infiltration gallery in the N.W. 1/4 of the SE 1/4 of said section 28. (2350'S + 520'E from N 1/4 S 28)

Application No. G-11679 Permit No.

Remarks: PRESENT population SERVED is 620, possible future population may be as high as 1000.

This is a corrected application as requested in your letter of Sept. 11, 1987

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.

Signature of Applicant

Douglas M. Ferguson

City of Mt. Vernon Engineer

This is to certify that I have examined the foregoing application, together with the accompanying maps and data, and return the same for.....

In order to retain its priority, this application must be returned to the Water Resources Director with corrections on or before....., 19.....

WITNESS my hand this ..... *day of*....., 19.....

..... *Water Resources Director*

By .....

This instrument was first received in the office of the Water Resources Director at Salem, Oregon, on the ..... *day of* ....., 19....., *at* ..... *o'clock* .....*M.*

Application No...... *Permit No.*.....

Application No..... *Permit No.....*

Permit to Appropriate the Public Waters of the State of Oregon

This is to certify that I have examined the foregoing application and do hereby grant the same, SUBJECT TO EXISTING RIGHTS INCLUDING THE EXISTING MINIMUM FLOW POLICIES ESTABLISHED BY THE WATER POLICY REVIEW BOARD and the following limitations and conditions:

The right herein granted is limited to the amount of water which can be applied to beneficial use and shall not exceed ..... cubic feet per second measured at the point of diversion from the well or source of appropriation, or its equivalent in case of rotation with other water users, from.....

.....

The use to which this water is to be applied is.....

.....

If for irrigation, this appropriation shall be limited to ..... of one cubic foot per second or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed ..... acre feet per acre for each acre irrigated during the irrigation season of each year;

.....

.....

.....

.....

.....

.....

and shall be subject to such reasonable rotation system as may be ordered by the proper state officer.

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 measuring line, adequate to determine water level elevation in the well at all times.

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.

The priority date of this permit is.....

Actual construction work shall begin on or before ..... and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 19.....

Complete application of the water to the proposed use shall be made on or before October 1, 19.....

WITNESS my hand this ..... day of....., 19.....

.....

Water Resources Director

STATE OF OREGON
WATER RESOURCES DEPARTMENT
WATER RIGHTS DIVISION

Before the Director of the Water Resources Department

In the matter of	)	PROPOSED
Groundwater Application	)	FINAL
G-11679 submitted by	)	ORDER
CITY OF MT. VERNON		

FINDINGS OF FACT

Water Use Request

1. CITY OF MT. VERNON requested use of 250.0 GALLONS PER MINUTE of water from ONE WELL WITHIN INGLE CREEK BASIN for MUNICIPAL within the John Day basin.

2. The area of proposed use is in Grant County within SECTION 21 and SECTION 28 TOWNSHIP 13 SOUTH, RANGE 30 EAST, W.M. .

3. The water delivery system is described by the applicant as follows: The collection system will consist of 280' of perf pipe which is a horizontal collection system. This collection system is connected to a 48" manhole which gravity feeds a chlorination tank. An over flow line exists which leads to the pond for use by the landowner. From the chlorination tank, water will be pumped, using an end suction centrifugal pump rated at 15 hp @ 3600 rpm. The water will then be carried under pressure from the tank, 600' in a 6" transmission line to a connection to the city water system.

4. The request was made in Application G-11679 which was received by the Water Resources Department on January 7, 1988.

Affected Waters

1. This proposed use of groundwater is above the John Day River State Scenic Waterway.

2. There are other water rights on **Ingle Creek** or on downstream waters.

3. There are no senior water rights from this point of appropriation.

Department Actions

1. The application was determined to be complete and not defective.

2. The Department determined, based upon OAR 690-09, that the proposed groundwater use will have the potential for substantial interference with the nearest surface water source, namely the **Ingle Creek**.

3. An Initial Review of the application was completed and a report of the results of that review was mailed to the applicant on JANUARY 5, 1996.

4. The Initial Review determined:
   a. MUNICIPAL is allowed under the John Day Basin Program.
   b. The use is not prohibited by Statute.
   c. Water for the proposed use is not available in the amounts requested.
   d. The use would not injure existing water rights.

5. The report of Initial Review listed these determinations and disclosed a number of conditions and restrictions that would likely be included in the permit if issued. These conditions and restrictions are listed in the attached draft permit.

6. The applicant did not notify the Department to stop processing this application within 14 days after the report was mailed as provided in ORS 537.150(5).

7. The Department proceeded with processing the application and on JANUARY 23, 1996 published notice of the application in its weekly Public Notice of Water Rights.

8. At the close of the 30 day comment period provided in ORS 537.150(7), the Department had received comments on the application.

Assessment

1. In proceeding with evaluation of Application G-11679, the following criteria were found to be relevant by the Department.

   a. The John Day Basin Program (OAR Chapter 690, Division 506)
   b. The Scenic Waterway Act (ORS 390.835 (8) Groundwater related applications)
   c. Groundwater availability as determined by the Groundwater/Hydrology staff (OAR Chapter 690, Division 9)
   d. The established rate and duty for the proposed use
   e. Pending, senior applications and existing water rights of record
   f. Comments received

CONCLUSIONS OF LAW

1. Based upon continued evaluation, the Department finds the determinations of the Initial Review require modification. Based on data received, the Department has determined that at this time the Department is unable to find that there is a preponderance of evidence that the proposed use of ground water will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife. The Department has further determined that, to protect the resource, additional conditions on the proposed water use is necessary. The condition, as further described on the attached draft permit, would require that the use may be regulated if analysis of data available after the permit or certificate is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary

for recreation, fish and wildlife in effect as of the priority date of the right or as those quantities may be subsequently reduced. Although scenic waterway flows are not an issue in this application, the water availability for certificated rights limits the months available to October 1 through June 30. However, the limiting instream right (Certificate 59787) exempts municipal purposes. Therefore the use is allowable year round. Also the attached permit contains a condition which protects other senior groundwater users.

2. The period of allowed use is YEAR ROUND.

3. The Department finds that no more than 0.557 cubic foot per second would be necessary for the proposed use. The amount of water requested, 250.0 GALLONS PER MINUTE, is allowed for the proposed use.

4. The application was filed prior to the adoption of OAR 690-05, therefore the submission of land use information with the application is not required.

5. Pursuant to ORS 390.835 (8), the proposed use, as conditioned, will not reduce streamflows needed to maintain the free-flowing character of the JOHN DAY River Scenic Waterway in quantities necessary for recreation, fish and wildlife uses.

6. The proposed use would not conflict with existing water rights, and, if exercised in accordance with law, rule, and the proposed conditions would not result in injury to existing water users.

7. The proposed use complies with all other rules of the Commission.

8. Pursuant to Chapter 416, Oregon laws, 1995, enacted by the 68th Oregon Legislative Assembly, and given the findings listed above, a rebuttable presumption has been established that the use will not impair or be detrimental to the public interest if exercised in the manner described in the attached draft permit.

9. Therefore, the proposed use, as conditioned, and described in the attached draft permit, would not impair or be detrimental to the public interest.

PROPOSED ORDER

IT IS PROPOSED that Application G-11679 in the name of CITY OF MT. VERNON be approved for MUNICIPAL as provided in the attached draft permit.

DATED April 9, 1996

Steven P. Applegate
Administrator
Water Rights and Adjudications Division

NOTICE:
This Proposed Final Order is issued by the Department pursuant to Chapter 416, Oregon laws, 1995, enacted by the 68th Oregon Legislative Assembly.

To seek changes in this proposed final order, you must file a formal protest.

Formal protests to this proposed final order must be made in proper form and accompanied by the statutory fee in the amount of $200. Note: The applicant is not subject to this fee.

For other than the applicant, if you agree with the findings in this proposed order, but wish to maintain your right to participate in any contested case proceeding or judicial review, you must file a written request for standing. Requests for standing in proceedings relating to this application must be made in the proper form and accompanied by the statutory fee in the amount of $50.

Protests or requests for standing, along with the appropriate fees must be received by the Water Resources Department in Salem, Oregon by 5:00 pm on May 24, 1996.

Only the applicant and any persons who timely file a protest or request for standing may participate in further proceedings before the Department or the Commission which deal with this Application.

DRAFT
STATE OF OREGON

COUNTY OF GRANT

DRAFT PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS DRAFT PERMIT IS HEREBY ISSUED TO

CITY OF MT. VERNON
P.O. BOX 647 (541) - 932-4688
MT VERNON, OREGON 97865

The specific limits for the use are listed below along with conditions of use.

APPLICATION FILE NUMBER: G-11679

SOURCE OF WATER: ONE WELL WITHIN INGLE CREEK BASIN within the John Day basin

PURPOSE OR USE: MUNICIPAL

Rate of use: 0.557 cubic foot per second

The period of allowed use is YEAR ROUND

DATE OF PRIORITY: January 7, 1988

POINT OF DIVERSION LOCATION: NE 1/4 SE 1/4, SECTION 28, T13S, R30E, W.M.; 2729 FEET SOUTH & 1818 FEET EAST FROM N1/4 CORNER, SECTION 28

THE PLACE OF USE IS LOCATED AS FOLLOWS:

SW 1/4 NE 1/4
NE 1/4 SW 1/4
SE 1/4 SW 1/4
NW 1/4 SE 1/4
SW 1/4 SE 1/4
SECTION 21
NW 1/4 NE 1/4
SW 1/4 NE 1/4
NE 1/4 NW 1/4
SE 1/4 NW 1/4
NE 1/4 SW 1/4
NE 1/4 SE 1/4
NW 1/4 SE 1/4
SECTION 28
TOWNSHIP 13 SOUTH, RANGE 30 EAST, W.M.

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.

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.

C. The Director may require the permittee to keep and maintain a record of the amount (volume) of water used and may require the permittee to report water use on a periodic schedule as established by the Director. In addition, the Director may require the permittee to report general water use information, the periods of water use and the place and nature of use of water under the permit. The Director may provide an opportunity for the permittee to submit alternative reporting procedures for review and approval.

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.

Use of water under authority of this permit may be regulated if analysis of data available after the permit is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of the right or as those quantities may be subsequently reduced.

STANDARD CONDITIONS

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

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.

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

This 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.

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 of water shall be limited when it interferes with any prior surface or ground water rights.

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

Actual construction of the well shall begin within one year from permit issuance, and shall be completed on or before October 1, 1998. Complete application of the water to the use shall be made on or before October 1, 1999.

Issued _____, 199_

DRAFT

_____
Water Resources Department
Director

TMP Worldwide Public Notice Advertising Request

tmppdx@europa.com

Requestor: Bill Fujii
Fiscal Contact: Marie Licari
Telephone Number: (503) 378-8455 ext. 254 Fax: 378-6203
Department: Water Resources
Division: Water Rights
March 6, 1996
Billing Information File# G-11679 and G-14194

Special Instructions: Run ad once per week for three consecutive weeks

Publication Information:

Publication: Blue Mountain Eagle (John Day) Run date: Next available

Keyword: Mt. Vernon

Type of Ad: Individual Ad

Copy:

STATE OF OREGON
WATER RESOURCES DEPARTMENT
PUBLIC NOTICE OF WATER USE REQUESTS
Regarding applications G-11679 and G-14194

The Oregon Water Resources Department is evaluating the request by the City of Mt. Vernon to use 550 gallons per minute of the groundwaters of the John Day Basin for municipal purposes. The proposed place of use is located within This process is to determine if the request is in compliance with state water laws and regulations. Public participation and comment is encouraged.

ORS 537.130 (3) requires notice to all affected landowners and ORS 537.130 (4) allows the Department to make this notice through publication in a local newspaper if there are more than 25 landowners involved.

For further information contact the Water Resources Department Water Rights Information Group at 1 (800) 624-3199 ext. 499. Written requests may be addressed to the Oregon Water Resources Department at 158 - 12th St NE Salem, Oregon 97310-0210

STATE OF OREGON
WATER RESOURCES DEPARTMENT

INTEROFFICE MEMO

To: FILE

Date: December 15, 1995

From: MICHAEL ZWART

Subject: APPLICATION G-11679, CITY OF MT. VERNON

I was assigned to review this application. It had previously been given a Division 9 review by Doug Woodcock. It had also previously been given a Diack review by Marshall Gannett. My review is consistent with the earlier reviews. A copy of the Scenic Waterway Interference Evaluation is attached. My review is for the original infiltration well proposed in the Applicarion.

I believe that this file contains information provided in September and October of 1994 by Anderson Perry & Associates which most likely belongs in file G-13167 and now could arguably also belong to file G-14194. I do not believe that the City is now intending to amend this application to include multiple wells. If I am wrong about this, please notify me so that a re-review of the application can be done based on the new information.

Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE ## G- 11679

ROUTED TO: Water Rights

TOWNSHIP/
RANGE-SECTION: 13S/30E 28

CONDITIONS ATTACHED? [ ]yes [ ]no

REMARKS OR FURTHER INSTRUCTIONS:
Note - some material in file may be misfiled; see memo

Reviewer: Mike Zwart

Russ; There are re-reviews

Laurie

Water Resources Department

MEMO December 15, 1995

TO **Application G-** 11679

FROM **GW:** Michael Zwart
(Reviewer's Name)

SUBJECT **Scenic Waterway Interference Evaluation**

☑ Yes
☐ No

The source of appropriation is within or above a Scenic Waterway.

☑ Yes
☐ No

Use the Scenic Waterway condition (Condition 7J).

PREPONDERANCE OF EVIDENCE FINDING: (Check box only if statement is true)

☑

At this time the Department is unable to find that there is a preponderance of evidence that the proposed use of ground water will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife.

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

Exercise of this permit is calculated to reduce monthly flows in _____ Scenic Waterway by the following amounts expressed as a proportion of the consumptive use by which surface water flow is reduced.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

in the County of	GRAN
A right to use the waters of	JOHN DAY R > COLUMBIA R
in basin	06
for the purpose of	SUPPORTING AQUATIC LIFE AND MINIMIZING POLLUTI(

for flows IN THE JOHN DAY RIVER BETWEEN USGS GAGE 14-038530 (SEC. 19, T 13S, R 32E, WM), AND THE MOUTH OF THE SOUTH FORK JOHN DAY RIVER (SEC. 1, T 13S, R 26E, WM).

The date of priority is 11/ 3/1983

Oct 1	50.0	cfs
Nov 1	80.0	
Feb 16	118.0	
Jun 1	80.0	
Jul 1	50.0	
Jul 16	30.0	

Conditions:

This instream water right shall not have priority over domestic, livestock uses and municipal uses from USGS gage 14038530 to the North Fork. Also, industrial use rights and industrial use under permits with priority dates before December 2, 1986, from USGS gage 14038530 to the North Fork and water legally stored or released from storage.

Basin JOHN DAY BL KIMBERLY MISC Vol 1 Dist 4

Certificate: 59787 Application: MF 212

RECEIVED

IR CHECKLIST

Application #: G 11679 Vol ____ Subbasin _____

Basin: 6 WAB: 01042300 POU-WAB 01042360

Township _____ Range _____ Section _____ 1/4 1/4 _____

✓ 1. Items have been verified on Completeness Checklist.

✓ 2. Check file for indicators that the process **should not** continue until a later date (ie - protest, items (other than oath) missing from the completeness check, letter to file indicating hold, or other)

✓ 3. A groundwater review has been evaluated for substantial interference with surface water (convert old gw conditions to the 7 series and add to the PFO, if necessary)

✓ a. Is the well located in a groundwater limited area?

✓ b. (A) B C

YES 4. Is the Proposed Use located in or above a Scenic Waterway?

NO 5. Is the proposed use located in a TMDL Basin? (Tualatin, Yamhill, Pudding)

✓ 6. Is the use allowed or limited by the Basin Program? _____ OAR(s) _____

NO 7. Is the source withdrawn or limited? - State Engineer, Legislative (ORS 538), etc.

✓ 8. Basin Maps (metal cabinet) have been checked and River Mile (_____) has been identified

✓ 9. Water Availability Data has been verified (50% < July 17, 1992/80% [50% storage] > July 17, 1992) _____ Dec - June

✓ 10. Rate _____ Duty _____ Season _____

✓ 11. Use Municipal Period of Allowed Use Dec - June

✓ 12. Priority Date(s) Jan 4, 1989

NO 13. Is use from a B.O.R. project and if so, is a signed contract in the file? _____

N/A 14. Division 33 (Abv Bonn > July 17, 1992 & Blw Bonn > April 18, 1994 or June 3, 1994) _____

✓ 15. Plat cards have been checked and a copy of the map is attached showing the conflict with _____

✓ 17. Land use approval (OK'd) needs approval county notified

✓ 19. conditions? (BOR, GW, etc.) _____

✓ 20. Watermaster District #: 4

✓ 21. Regional Office (NWR, (NCR), ER, SCR, or SWR)

✓ 22. IR has been saved to m:\t\ir\sent\app # from m:\t\ir\work\app #

Scenic Waterways are ~~a~~ limiting factors for water availability

Name: _____ Date: 1-4-96

The objective for Pollution Abatement in the Middle Fork Subbasin shall be to minimize sediment produced from forestry activities and resolve localized water quality problems. Water quality should be improved by eliminating non-point discharges, improving riparian conditions, and improving summer streamflows.

(e) North Fork Subbasin

(A) The objective for Pollution Abatement in the North Fork Subbasin shall be to minimize sediment produced from forestry activities and resolve localized water quality problems. Water quality should be improved by eliminating non-point discharges, improving riparian conditions, and improving summer streamflows.

(B) The objectives for Recreational Use in the North Fork Subbasin shall be to provide for instream recreational values and increased flows for boating on the North Fork John Day River. Recreational access and facilities should be increased as needed.

(C) Reduce erosion damage from high streamflows throughout the subbasin.

(D) Reduce ice scouring on the North Fork John Day River between Monument and Kimberly.

(f) Lower Subbasin

(A) The objective for Recreational Use in the Lower Subbasin shall be to protect and enhance recreational uses in the John Day Scenic Waterway and to increase recreational access and facilities as needed.

(B) Reduce damage from high streamflows on the John Day River and Thirtymile Creek.

(C) Slow runoff to increase infiltration of water on cultivated farmland.

(D) Protect the quantity and quality of ground water in Columbia River Basalt and alluvial aquifers.

Classifications

690-506-040

√(1) Except as otherwise provided by the Commission, the Department shall not accept an application for a permit to appropriate any of the surface or ground waters of the John Day River Basin for any uses except those for which the waters are classified.

✓(2) Except as otherwise provided in this rule, the surface and ground waters of the John Day River Basin are classified for domestic, livestock, municipal, ground water recharge, irrigation, agricultural, power, commercial, industrial, mining, fire protection, recreation, pollution abatement, wildlife, and fish life uses.

(3) The waters of the natural lakes of the John Day River Basin are classified for domestic, livestock, irrigation of lawns or non-commercial gardens less than one-half acre, power development less than 100 theoretical horsepower, fire protection, recreation, pollution abatement, wildlife, fish life, and agricultural uses.

(4) The Department shall include in any permit for a well producing from Quaternary Alluvium a condition that the use of water from the well shall be regulated according to priority date in the same manner as, and conjunctively with, surface water from the nearest stream.

(5) Ground water of Quaternary Alluvium is classified for the same uses as the surface water in the adjacent stream.

(6) Upper Mainstem Subbasin

(a) The waters in the John Day River from Rail Creek to USGS Gage 14040500 at Picture Gorge, and in the following streams and all tributaries, in the Upper Mainstem Subbasin are classified for the uses in subsections (b), (c), and (d):

(A) Cottonwood Creek 1042 — 040-6-4

(B) Canyon Creek 104232

(C) Beech Creek 104231

(D) Strawberry Creek 104233

(E) McClellan Creek 10423

(F) Fields Creek 10423

(G) Belshaw Creek 10423

(H) Moon Creek 10423

(I) Dog Creek 104233

(J) Little Pine Creek 10423

(K) Laycock Creek 10423

(L) Grub Creek 104233

(M) Indian Creek 104233

(N) Bear Creek 104233

(O) Dixie Creek 104233

(P) Deardorff Creek 104233

(Q) Reynolds Creek 104233

(R) Rail Creek 104233

(S) Roberts Creek 104233

(b) Permitted Uses

Irrigation between January 1 and June 15 or using waters legally stored between January and June 15, domestic, livestock, ground water recharge, fire protection, fish life, wildlife, pollution abatement, and recreation.

(c) Conditional Uses

Irrigation using no more water during the months shown than those quantities listed below, power in association with storage or for residential applications, agricultural use, municipal, commercial, industrial, and mining.

Monthly Irrigation Water Use
(acre-feet/acre)

June 15-30	July	Aug	Sept
0.30	0.90	0.70	0.30

(d) In addition to the uses identified in subsection (b), industrial use is permitted in the John Day River from the confluence of Strawberry Creek to USGS gage 14040500 at Picture Gorge.

(e) The waters within Long Gulch are classified for municipal use by the City of John Day. p. 120

(7) South Fork Subbasin

(a) The waters in the South Fork John Day River from the confluence of Flat Creek to the mouth, and in the following streams and all tributaries, in the South Fork Subbasin are classified for the uses in subsections (b) and (c):

(A) Black Canyon Creek

(B) Murderers Creek

(C) Deer Creek

(D) Wind Creek

(E) Sunflower Creek

(F) Indian Creek

(G) Flat Creek

(H) Lewis Creek

(I) Corral Creek

(J) Venator Creek

WATER AVAILABILITY TABLE

Basin: JOHN DAY Exceedance Level: 50
Water Availability Subbasin: 0104230000000000 (and Nested Subbasins)
Time: 10:34 Date: 01/04/1996

Item #	W.A. Subbasin	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	0100000000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	YES	YES
2	0104000000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	YES	YES
3	0104200000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	YES	YES
4	0104230000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	YES	YES

STREAM NAMES

Basin: JOHN DAY
Water Availability Subbasin: 0104230000000000 (and Nested Subbasins)
Time: 10:34 Date: 01/04/1996

WAB #	Stream Name	Tributary to
0100000000000000	JOHN DAY R	COLUMBIA R
0104000000000000	JOHN DAY R	COLUMBIA R
0104200000000000	JOHN DAY R	COLUMBIA R
0104230000000000	JOHN DAY R	COLUMBIA R

LIMITING WATER AVAILABILITY SUBBASINS

Water Availability Subbasin: 0104230000000000
Basin: JOHN DAY
Exceedance Level: 50
Time: 10:34 Date: 01/04/1996

Month	Limiting Subbasin	Stream Name	Water Available?	Net Water Available
1	0104230000000000	JOHN DAY R	YES	155.0
2	0104230000000000	JOHN DAY R	YES	248.0
3	0104230000000000	JOHN DAY R	YES	400.0
4	0104230000000000	JOHN DAY R	YES	594.0
5	0104230000000000	JOHN DAY R	YES	482.0
6	0104000000000000	JOHN DAY R	YES	239.0
7	0104000000000000	JOHN DAY R	NO	-92.3
8	0104000000000000	JOHN DAY R	NO	-377.0
9	0104000000000000	JOHN DAY R	NO	-366.0
10	0100000000000000	JOHN DAY R	NO	-175.0
11	0104000000000000	JOHN DAY R	NO	-0.1
12	0104230000000000	JOHN DAY R	YES	112.0
Stor	0104230000000000	JOHN DAY R	YES	134000.0

DETAILED REPORT ON WATER AVAILABILITY

Basin: JOHN DAY
Stream: JOHN DAY R > COLUMBIA R
Water Availability Subbasin: 0100000000000000
Exceedance Level: 50
Time: 10:34 Date: 01/04/1996

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	1250.00	10.00	1240.00	0.60	1239.00	500.00	739.00
2	2450.00	20.00	2430.00	0.64	2430.00	1000.00	1430.00
3	3240.00	20.00	3220.00	0.98	3220.00	2000.00	1220.00
4	4870.00	100.00	4770.00	2.98	4770.00	2000.00	2770.00
5	4960.00	180.00	4780.00	1.87	4780.00	2000.00	2780.00
6	2630.00	200.00	2430.00	1.09	2429.00	2000.00	429.00
7	715.00	271.00	444.00	0.58	443.40	500.00	-56.60
8	349.00	210.00	139.00	0.57	138.00	500.00	-362.00
9	279.00	140.00	139.00	0.55	138.00	500.00	-362.00
10	383.00	58.00	325.00	0.33	325.00	500.00	-175.00
11	544.00	9.00	535.00	0.31	534.70	500.00	34.70
12	945.00	11.00	934.00	0.31	934.00	500.00	434.00
Stor	1350000	73600	1280000	645	1280000	749000	589000

DETAILED REPORT OF ISWRs

Basin: JOHN DAY
Stream: JOHN DAY R > COLUMBIA R
Water Availability Subbasin: 0100000000000000
Time: 10:34 Date: 01/04/1996

	ISWRs					
APP # :	-90605X	209A	0	0	0	RESULTANT
STATUS:	Scenic WW	Cert.				
1	500.0	20.0	0.0	0.0	0.0	500.0 X
2	1000.0	20.0	0.0	0.0	0.0	1000.0 X
3	2000.0	20.0	0.0	0.0	0.0	2000.0 X
4	2000.0	20.0	0.0	0.0	0.0	2000.0 X
5	2000.0	20.0	0.0	0.0	0.0	2000.0 X
6	2000.0	20.0	0.0	0.0	0.0	2000.0 X
7	500.0	20.0	0.0	0.0	0.0	500.0 X
8	500.0	20.0	0.0	0.0	0.0	500.0 X
9	500.0	20.0	0.0	0.0	0.0	500.0 X
10	500.0	20.0	0.0	0.0	0.0	500.0 X
11	500.0	20.0	0.0	0.0	0.0	500.0 X
12	500.0	20.0	0.0	0.0	0.0	500.0 X

DETAILED REPORT ON WATER AVAILABILITY

Basin: JOHN DAY
Stream: JOHN DAY R > COLUMBIA R
Water Availability Subbasin: 01040000000000000
Exceedance Level: 50
Time: 10:34 Date: 01/04/1996

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	1130.00	10.00	1120.00	0.41	1120.00	500.00	620.00
2	2060.00	10.00	2050.00	0.45	2050.00	1000.00	1050.00
3	2860.00	10.00	2850.00	0.72	2849.00	2000.00	849.00
4	4610.00	80.00	4530.00	2.72	4530.00	2000.00	2530.00
5	4770.00	150.00	4620.00	1.64	4620.00	2000.00	2620.00
6	2400.00	160.00	2240.00	0.85	2239.00	2000.00	239.00
7	639.00	231.00	408.00	0.32	407.70	500.00	-92.30
8	302.00	179.00	123.00	0.32	123.00	500.00	-377.00
9	254.00	120.00	134.00	0.32	134.00	500.00	-366.00
10	382.00	50.00	332.00	0.13	332.00	500.00	-168.00
11	508.00	8.00	500.00	0.13	499.87	500.00	-0.13
12	859.00	9.00	850.00	0.13	850.00	500.00	350.00
Stor	1240000	60900	1180000	488	1180000	749000	494000

DETAILED REPORT OF ISWRs

Basin: JOHN DAY
Stream: JOHN DAY R > COLUMBIA R
Water Availability Subbasin: 01040000000000000
Time: 10:34 Date: 01/04/1996

	ISWRs					
APP # :	-90604X	210A	0	0	0	RESULTANT
STATUS:	Scenic WW	Cert.				
1	500.0	30.0	0.0	0.0	0.0	500.0 X
2	1000.0	30.0	0.0	0.0	0.0	1000.0 X
3	2000.0	30.0	0.0	0.0	0.0	2000.0 X
4	2000.0	30.0	0.0	0.0	0.0	2000.0 X
5	2000.0	30.0	0.0	0.0	0.0	2000.0 X
6	2000.0	30.0	0.0	0.0	0.0	2000.0 X
7	500.0	30.0	0.0	0.0	0.0	500.0 X
8	500.0	30.0	0.0	0.0	0.0	500.0 X
9	500.0	30.0	0.0	0.0	0.0	500.0 X
10	500.0	30.0	0.0	0.0	0.0	500.0 X
11	500.0	30.0	0.0	0.0	0.0	500.0 X
12	500.0	30.0	0.0	0.0	0.0	500.0 X

DETAILED REPORT ON WATER AVAILABILITY

Basin: JOHN DAY
Stream: JOHN DAY R > COLUMBIA R
Water Availability Subbasin: 0104200000000000
Exceedance Level: 50
Time: 10:34 Date: 01/04/1996

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	439.00	7.00	432.00	0.36	432.00	120.00	312.00
2	698.00	10.00	688.00	0.36	688.00	160.00	528.00
3	993.00	12.00	981.00	0.63	980.00	160.00	820.00
4	1370.00	40.00	1330.00	1.89	1330.00	160.00	1170.00
5	1120.00	70.00	1050.00	0.11	1050.00	160.00	890.00
6	688.00	87.00	601.00	0.32	601.00	120.00	481.00
7	225.00	120.00	105.00	0.30	104.70	60.00	44.70
8	125.00	93.20	31.80	0.30	31.50	60.00	-28.50
9	108.00	62.60	45.40	0.30	45.10	60.00	-14.90
10	196.00	27.00	169.00	0.10	169.00	60.00	109.00
11	252.00	5.00	247.00	0.10	247.00	120.00	127.00
12	346.00	6.00	340.00	0.10	340.00	120.00	220.00
Stor	393000	32300	361000	293	360000	81400	281000

DETAILED REPORT OF ISWRs

Basin: JOHN DAY
Stream: JOHN DAY R > COLUMBIA R
Water Availability Subbasin: 0104200000000000
Time: 10:34 Date: 01/04/1996

	ISWRs					
APP # :	211A	0	0	0	0	RESULTANT
STATUS:	Cert.					
1	120.0	0.0	0.0	0.0	0.0	120.0 C
2	160.0	0.0	0.0	0.0	0.0	160.0 C
3	160.0	0.0	0.0	0.0	0.0	160.0 C
4	160.0	0.0	0.0	0.0	0.0	160.0 C
5	160.0	0.0	0.0	0.0	0.0	160.0 C
6	120.0	0.0	0.0	0.0	0.0	120.0 C
7	60.0	0.0	0.0	0.0	0.0	60.0 C
8	60.0	0.0	0.0	0.0	0.0	60.0 C
9	60.0	0.0	0.0	0.0	0.0	60.0 C
10	60.0	0.0	0.0	0.0	0.0	60.0 C
11	120.0	0.0	0.0	0.0	0.0	120.0 C
12	120.0	0.0	0.0	0.0	0.0	120.0 C

5978 - Exempt Domestic, Livestock, & municipal uses from USGS gage 14038530 to North fork

12,000' downstream from dog cr.

2.5 miles east of JD

DETAILED REPORT ON WATER AVAILABILITY

Basin: JOHN DAY
Stream: JOHN DAY R > COLUMBIA R
Water Availability Subbasin: 01042300000000000
Exceedance Level: 50
Time: 10:34 Date: 01/04/1996

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	238.00	3.00	235.00	0.25	235.00	80.00	155.00
2	369.00	3.00	366.00	0.10	366.00	118.00	248.00
3	521.00	3.00	518.00	0.10	518.00	118.00	400.00
4	734.00	22.00	712.00	0.11	712.00	118.00	594.00
5	645.00	45.00	600.00	0.11	600.00	118.00	482.00
6	404.00	59.00	345.00	0.32	345.00	80.00	265.00
7	132.00	85.90	46.10	0.30	45.80	50.00	-4.20
8	69.50	67.00	2.54	0.30	2.20	30.00	-27.80
9	60.10	44.90	15.20	0.30	14.90	30.00	-15.10
10	115.00	18.70	96.30	0.10	96.20	50.00	46.20
11	146.00	3.00	143.00	0.10	142.90	80.00	62.90
12	195.00	3.00	192.00	0.10	192.00	80.00	112.00
Stor	217000	21400	196000	132	196000	57000	142000

DETAILED REPORT OF ISWRs

Basin: JOHN DAY
Stream: JOHN DAY R > COLUMBIA R
Water Availability Subbasin: 01042300000000000
Time: 10:34 Date: 01/04/1996

	ISWRs					
APP # :	212A	0	0	0	0	RESULTANT
STATUS:	Cert.					
1	80.0	0.0	0.0	0.0	0.0	80.0 C
2	118.0	0.0	0.0	0.0	0.0	118.0 C
3	118.0	0.0	0.0	0.0	0.0	118.0 C
4	118.0	0.0	0.0	0.0	0.0	118.0 C
5	118.0	0.0	0.0	0.0	0.0	118.0 C
6	80.0	0.0	0.0	0.0	0.0	80.0 C
7	50.0	0.0	0.0	0.0	0.0	50.0 C
8	30.0	0.0	0.0	0.0	0.0	30.0 C
9	30.0	0.0	0.0	0.0	0.0	30.0 C
10	50.0	0.0	0.0	0.0	0.0	50.0 C
11	80.0	0.0	0.0	0.0	0.0	80.0 C
12	80.0	0.0	0.0	0.0	0.0	80.0 C

59787 - Exempt Domestic, Livestock, Municipal uses from USGS gage 14038530 to North Fork

TOWNSHIP 135 RANGE 30E W. M. (3) SECTION 28

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			
ACREAGE IN LOT OR LEGAL SUBDIVISION AS SHOWN ON GOVERNMENT PLAT. IF OTHER THAN 40 ACRES																		
	Mun			Mun			Mun	Mun					Mun			G-1640	G-1546	31046
						6	0.4		8							38677	28815	50672
				20.-	40.-	12.-	8.-									L-67 L-68	V.12 P460	33038
														20.1	0.3	43629	32619	50673
	Mun	Mun		Mun			Mun	Mun					Mun			G-4961	G-4681	39749
-5.0 +5.0																T 3595	(C 25877)	
-5.0 +5.0																T 3595	(C 25875)	
							0.5									56345	42854	50092
												2.1			8.9	SUPP 57457		
	10			17		5.2	19.2									T-4161 1289	(C 4675) E-88	52193 ~~46775~~
	30.1	15.-														T-4167	(C-25873)	48347
	4.6															T-4167	(C-25873)	60014
												2.-				Supplemental G-7519	G-8901	CANCELED
							0.6									62828	46893	51942

No Gas

TOWNSHIP 135 RANGE 30E W. M. Card # 4 SECTION 28

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			
ACREAGE IN LOT OR LEGAL SUBDIVISION AS SHOWN ON GOVERNMENT PLAT. IF OTHER THAN 40 ACRES																		
																Supplemental 61123	46213	7
	2.-			17.2		3.3	10.6									T-4902	(C-5792)	
											R.S					R-6096 7	R-8335	
											8.-			12.9		60968	46298	
														20.4	0.2	SUPP 60968	46298	
	MUNICIPAL			MUN			MUNICIPAL					MUN				G-11679		
												27.2				T-6480 (C-25187)		
																C-13167		

TOWNSHIP 135 RANGE 30E W. M. (1) SECTION 28

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			
								2								Findings, Vol. 10 Page 455 Decree, Vol. 15 Page 466		24870
													2			Findings, Vol. 10 Page 457 Decree, Vol. 15 Page 466		24887
													7			Findings, Vol. 10 Page 458 Decree, Vol. 15 Page 466		24887
				Bow 12k									9			Findings, Vol. 10 Page 460 Decree, Vol. 15 Page 466		24901
												4.11				Findings, Vol. 10 Page 524 Decree, Vol. 15 Page 466		~~25187~~
												39.3	5.		0.9	Findings, Vol. 10 Page 527 Decree, Vol. 15 Page 466		25338
								5 1	14							Findings, Vol. 10 Page 546 Decree, Vol. 15 Page 466		25465
													6.2			Findings, Vol. 10 Page 547 Decree, Vol. 15 Page 466		~~25468~~
													2.			Findings, Vol. 10 Page 547 Decree, Vol. 15 Page 466		~~25468~~
				20	40	12	8									Findings, Vol. 10 Page 562 Decree, Vol. 15 Page 466		25576
				Sup'l												Findings, Vol. 10 Page 611 Decree, Vol. 15 Page 466		~~25875~~
				20	40	12	8									Findings, Vol. 10 Page 611 Decree, Vol. 15 Page 466		25877
								10 1								Findings, Vol. 10 Page 620 Decree, Vol. 15 Page 466		26002
								8 4								" " 10 — 630		26002
								4-Supl										

TOWNSHIP 135 RANGE 30E W. M. (2) SECTION 28

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			
10				17		26	35									SOR V 51 P 308 1289	E 88	46175 2397
								V35, P334 pt cncl T-4902 & P60							Part	Cancelled V 43 P 476 8542	5594	~~5792~~
		5.7		ALL Cancelled - sp. or Rec. Vol. 40 P. 218												9544	6342	~~5801~~
															8.9	Findings, Vol. 10 Page 504 Decree, Vol. 15		25188
													4	11		Findings, Vol. 10 Page 504 Decree, Vol. 15		25189
								5 1								Findings, Vol. 10 Page 527 Decree, Vol. 15		25339
													6			Findings, Vol. 10 Page 546 Decree, Vol. 15		25466
								10								Findings, Vol. 10 Page 562 Decree, Vol. 15		25577
		12.4	3.-													Findings, Vol. 10 Page 611 Decree, Vol. 15		25874
16.4 27.-																Findings, Vol. 10 Page 611 Decree, Vol. 15		51185 ~~25875~~
		49.0 35 (Sup'l) 35						Part CANCELED Spec. Or. V. 41 p. 463								Decree, Vol. 15 Findings, Vol. 10 Page 611		56449 ~~25876~~
								CANCELED Spec. Or. V. 41 p. 463								Findings, Vol. 10 Page 611 Decree, Vol. 15		~~25876~~
								8								Findings, Vol. 10 Page 630 Decree, Vol. 15		26003

Oregon

WATER
RESOURCES
DEPARTMENT

January 5, 1996

City of Mt. Vernon
P.O. Box 647
Mt. Vernon, OR. 97865

Reference: File G-11679

Dear Applicant:

THIS IS NOT A PERMIT AND IS SUBJECT TO CHANGE DURING NEXT PHASE OF PROCESS

This letter is to inform you of the unfavorable analysis of your proposed use of water and to describe some of your options. Based on the information you have supplied, the Water Resources Department has reached the following conclusions:

Initial Review Determinations:

1. Your application is complete and not defective.

2. The proposed use is not prohibited by law or rule.

3. The use of water for MUNICIPAL **is allowed** under OAR 506, the John Day Basin Program.

4. Based on a ground water review the Department has determined that the well has the potential for substantial interference with Ingle Creek and the John Day River, therefore rules and laws applying to surface water will affect this application.

   The use of 0.557 cfs (250.0 gpm) from a Well for Municipal use **is not available** July 1 through November 30.

Summary of Allowable Water Use

The use of 0.557 cfs of water from a Well for Municipal use is not allowed. There is not sufficient water available to sustain the use of water for Municipal purposes year round.

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

It is not likely that you will be issued a permit due to **#4** above. At this time, you must decide whether to proceed or to withdraw your application as described below.

Please reference the application number when sending any correspondence regarding the conclusions of this initial review. Comments received within the comment period, will be evaluated at the next phase of the process.

Withdrawal Refunds:

If you choose not to proceed, you may withdraw your application and receive a refund (minus a $50 processing charge per application.) To accomplish this you must notify the Department in writing by **January 19, 1996.** For your convenience you may use the enclosed "STOP PROCESSING" form.

By supplying the Department with additional information concerning the proposed use, you may be able to use water for Municipal during the period December 1 through June 30. If you do not withdraw your application and if you do not provide the additional information as described below, the Department will propose to reject your application. This information should be submitted within 30 days to avoid any further delays in the processing of your application.

Additional Information Opportunity:

If you would like to be able to use water when it is available, you must supply the Department with two items.

Item #1 Supply information that would demonstrate that you can either make beneficial use of the water during the times it is available,

OR

Identify another source of water that you will use during the period when water use is not allowed from the source named in this application.

Item #2 Your acknowledgement that water use will only occur, under the terms of the permit (if one is issued), during the allowed period of use.

To Proceed With Your Application:

If you choose to proceed with your application, you do not have to notify the Department. Your application will automatically be placed on the Department's Public Notice to allow others the opportunity to comment. After the comment period the Department will complete a public interest review and issue a proposed final order.

If A Permit Is Issued It Will Likely Include The Following Conditions:

1. You may be required to measure the amount of water used and report that use annually.

2. Use of water under authority of this permit may be regulated if analysis of data available after the permit is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of the right or as those quantities may be subsequently reduced.

If you have any questions:

Feel free to call me at (503) 378-8455 ext. 454 or 1 (800) 624-3199 if you have any questions. Please have your application number available if you call.

Sincerely,

Gary Holliday

Gary Holliday
Initial Reviewer

cc: Regional Manager, Watermaster, Water Availability Section
enclosures: Flow Chart of Water Right Process
Stop Processing Form

COPY CHECK-OFF SHEET FOR PROPOSED FINAL ORDERS

CC: FILE # G-11679

WATERMASTER # 04

REGIONAL MANAGER: Mike Ladd

ODF&W - Grant County:

CWRE (if agent):

DEO

OTHER STATE AGENCY IF NECESSARY:

DIVISION 33 LIST: x COLUMBIA RIVER INTERTRIBAL FISH COMMISSION; U.S. FISH & WILDLIFE;
(CHECK ONLY IF APPLICABLE) NORTHWEST POWER PLANNING COUNCIL & NATIONAL MARINE FISHERIES

POWER BUILDER UPDATER; FRONT COUNTER Ken Stahr

OTHER ADDRESSES OF PEOPLE WHO PAID THE $10 FEE:

PEOPLE WITH OBJECTIONS, COMMENTS OR REQUESTED COPY W/O $10 (SEND THE $10 LETTER):

CASEWORKER : WHF

Oregon

WATER
RESOURCES
DEPARTMENT

January 5, 1996

City of Mt. Vernon
P.O. Box 647
Mt. Vernon, OR. 97865

Reference: File G-11679

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Additional Information Opportunity:

If you would like to be able to use water when it is available, you must supply the Department with two items.

Item #1 Supply information that would demonstrate that you can either make beneficial use of the water during the times it is available,

OR

Identify another source of water that you will use during the period when water use is not allowed from the source named in this application.

Item #2 Your acknowledgement that water use will only occur, under the terms of the permit (if one is issued), during the allowed period of use.

To Proceed With Your Application:

If you choose to proceed with your application, you do not have to notify the Department. Your application will automatically be placed on the Department's Public Notice to allow others the opportunity to comment. After the comment period the Department will complete a public interest review and issue a proposed final order.

If A Permit Is Issued It Will Likely Include The Following Conditions:

1. You may be required to measure the amount of water used and report that use annually.

2. Use of water under authority of this permit may be regulated if analysis of data available after the permit is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of the right or as those quantities may be subsequently reduced.

If you have any questions:

Feel free to call me at (503) 378-8455 ext. 454 or 1 (800) 624-3199 if you have any questions. Please have your application number available if you call.

Sincerely,

Gary Holliday

Gary Holliday
Initial Reviewer

cc: Regional Manager, Watermaster, Water Availability Section
enclosures: Flow Chart of Water Right Process
Stop Processing Form

Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE ## 11679

ROUTED TO: T. SHOOK

TOWNSHIP/
RANGE-SECTION: 13S/30E - 28

CONDITIONS ATTACHED? [X] yes [ ] no

REMARKS OR FURTHER INSTRUCTIONS:

HYDRAULIC CONNECTION
W/ JOHN DAY RIVER

Reviewer: D. WOODCOCK

TO: Water Rights Section

Aug 26, 1993

FROM: Groundwater/Hydrology Section D. Woodcock
Reviewer's Name

SUBJECT: Application G- 11679

1. PER THE JOHN DAY Basin rules, one or more of the proposed POA's is/~~is not~~ within ~~1/4 MILE~~ feet/mile of a surface water source (JOHN DAY RIVER) 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. ___ will not source, namely JOHN DAY RIVER, INGLE CR; 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. ___ can, if properly conditioned, avoid injury to existing rights or to the groundwater resource;
      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.

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: * IT IS UNLIKELY THAT 250gpm WILL BE AVAILABLE YEAR-ROUND. SUBSTANTIAL REDUCTION IN FLOWS WILL OCCUR IN LATE SUMMER. THIS DOES NOT CONSTITUTE INJURY TO THE RESOURCE, IT MERELY MEANS THE AQUIFER CANNOT PRODUCE THAT RATE OF FLOW YEAR-ROUND. IF THE ABOVE CONCERNS ARE OVERCOME, CONDITION PERMIT W/ 4I AS A PROTECTION MEASURE FOR INTERFERENCE.

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

5. THE WELL which is the point of appropriation for this application does not meet current well construction standards based upon:
   a._____review of the well log;
   b._____field inspection by _____;
   c._____report of CWRE _ ____;
   d._____other: (specify) _____

6. THE WELL construction deficiency:
   a._____constitutes a health threat under Division 200 rules;
   b._____commingles water from more than one groundwater reservoir;
   c._____permits the loss of artesian head;
   d._____permits the de-watering of one or more groundwater reservoirs;
   e._____other: (specify) _____

7. THE WELL construction deficiency is described as follows: _____

8. THE WELL
   a._____was, or
   b._____was not
   constructed according to the standards in effect at the time of original construction or most recent modification.
   c._____I don't know if it met standards at the time of construction.

RECOMMENDATION:

A.____I recommend including the following condition in the permit:
"No water may be appropriated under terms of this permit until the well(s) has been repaired to conform to current well construction standards and proof of such repair is filed with the Enforcement Section of the Water Resources Department."

B.____I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Enforcement Section of the Water Resources Department.

C.____REFER this review to Enforcement Section for concurrence.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

I concur in G/H's recommendation A or B above relating to conditioning or withholding the permit.

_____ _____, 1993.

(Signature)

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

_____ _____, 1993.

(Signature)

(WRFORM8\91)

COPY CHECK-OFF SHEET FOR TECHNICAL REVIEWS

CC: FILE # G-11679

WATERWATCH

ODF&W

WATERMASTER # 4

REGIONAL MANAGER - North Central

CWRE - None

OTHER ADDRESSES:

CASEWORKER

ORIGINAL TO APPLICANT 7/29/93

Oregon

WATER
RESOURCES
DEPARTMENT

November 7, 1991

City of Mount Vernon
PO Box 647
Mt. Vernon, Oregon 97865

REFERENCE: File G-11679

Your application for a permit to use the public waters has been reviewed.

A "draft" permit is enclosed for your consideration. In the preparation of this draft permit, our staff has considered any public or agency comments received, as well as all pertinent Oregon laws, administrative rules and Commission policies.

We are now ready to recommend the issuance of a permit approving your request to use water. The draft permit enclosed contains all of the conditions and limitations that would appear on your permit, if issued.

Please review the draft permit carefully. If you are satisfied that the draft adequately describes your proposed use of water, and the terms are acceptable to you, please sign the draft copy in the spaces(s) provided and return it to us within 30 days. When we receive your signed draft, we will issue your permit as quickly as possible.

If you do not agree with, or cannot accept one or more of the terms or conditions as stated in the enclosed draft, you should advise us immediately. In this event, we will then advise you of any options which may be available to you.

If you have any questions, please contact the Water Rights Section at 378-3066.

enclosure

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

Oregon

WATER
RESOURCES
DEPARTMENT

February 28, 1992

CITY OF MOUNT VERNON
PO BOX 647
MT. VERNON, OR 97865

REFERENCE FILE: G-11679

We are unable to hold action on your file indefinitely. Will you advise us, in writing, of which course of action you prefer?

Action will be withheld on your file for 60 days pending your written reply.

Sincerely,

Thomas E. Shook
Water Right Specialist

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

MEMO October 29, 1991

CITY OF MT VERNON WATER RIGHTS

C-31046	0.33 CFS	350' DEEP WELL
C-39749	0.38 CFS	22' DEEP WELL

CITY OFFICIALS EXPECT A POPULATION OF 1000; PRESENTLY 620

JOHN DAY BASIN PLAN IF 1-30-87
SPECIAL OBJECTIVES:
RESOLVE WATER SUPPLY PROBLEM FOR CITY OF MT VERNON

WATER AVAILABILITY - JOHN DAY RIVER AT PICTURE GORGE
NEGATIVE FLOWS DURING AUGUST WITH 50% EX. FLOW W.A.

SCENIC WATERWAY FLOWS

September 16, 1991

TO: Shaniko Ranch File R-71751

FROM: William H. Young, Director

SUBJECT: ISSUANCE OF A PERMIT APPROVING APPLICATION

Application R-71751 for permit to store 32.0 acre-feet of water from Big Pine Hollow for recreation upstream from the Mainstem John Day River Scenic Waterway was filed with the Water Resources Department on July 10, 1991.

On December 7, 1990, the Water Resources Commission approved the flows listed in the John Day Scenic Waterway Assessment for the purpose of making findings pursuant to the Diack decision.

This assessment determined that water is available for appropriation in excess of the needs for recreation, fish and wildlife during the period from December 1 through June 14 of each year.

Because the appropriation of water is limited to the period from December 1 through March 15 of each year, and the permit will be conditioned to allow appropriation of water for storage only during that period when water is available, I find that:

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.

The proposed uses are authorized in the John Day River Basin Plan. Accordingly, I find that:

The diversion is necessary to one or more uses designated in ORS 536.310(12).

The permits may be issued.

FIND22

50% PICTURE GORGE DOWN

DCB

TECHNICAL REVIEW CHECKLIST

FORM-71393

(1) Application: G 11 679

(2) Review Date: _____

S Indicates information was completed or adequately addressed.
U Indicates information is needed, or incomplete, or inadequately addressed
N/A Indicates Not Applicable

SUMMARY

_____ Completeness

_____ Land Use

_____ GW Interference (if potential interference with surface water, see results of water availability analysis)

S Conflicts NCR- Municipal

_____ 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~~ NA No oath is required because application was filed before June 5, 1992.

(5) _____ Application fees:

Examination fee:	$ 200
Recording fee:	$ 100
TOTAL REQUIRED	$ 300
TOTAL SUBMITTED	$ 300
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: ___ Prepared by a CWRE
___ Exempt under OAR 690-11-150(3)
X A map or drawing included (non-CWRE)
___ No map or drawing in file

(8) S A CWRE map is not required for applications filed before November 9, 1987.

(9) U 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) _____ The proposed use is not restricted or prohibited by statute.

(12) _____ 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) _____ _____ use(s) is/are classified uses(s) under the _____ Basin Program, OAR 690 -_____.

(14) _____ The application, map and supporting data are complete and free of defects.

Land Use Compatibility:

(15) As expressed by the Planning Department of _____

(16) _____ 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) _____ The land uses to be served by proposed water uses (including proposed construction) involve discretionary land use approvals which have been obtained.

(18) _____ 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.

DRAFT

STATE OF OREGON

COUNTY OF GRANT

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

CITY OF MT. VERNON
P.O. BOX 647
MT. VERNON, OREGON 97865

503-932-4688

to use the waters of A WELL — INFILTRATION in the JOHN DAY RIVER BASIN for MUNICIPAL USE.

This permit is issued approving Application G-11679. The date of priority is JULY 13, 1987. The use is limited to not more than 250 GALLONS PER MINUTE, or its equivalent in case of rotation, measured at the well. WATER MAY BE APPROPRIATED DURING THE PERIOD FROM DECEMBER 1 THROUGH JUNE 14 OF EACH YEAR.

The well is located as follows:

NE 1/4 SE 1/4, SECTION 28, T 13 S, R30 E, W.M.; 2729 FEET SOUTH AND 1818 FEET EAST FROM N 1/4 CORNER, SECTION 28.

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 this permit is as follows:

E 1/2 SW 1/4
W 1/2 SE 1/4
SW 1/4 NE 1/4
SECTION 21

E 1/2 NW 1/4
W 1/2 NE 1/4
NE 1/4 SW 1/4
N 1/2 SE 1/4
SECTION 28

TOWNSHIP 13 SOUTH, RANGE 30 EAST, W.M.

Within one year from the date the Water Resources Commission adopts rules describing the schedules, standards and procedures for water conservation management plans by water suppliers, the city shall submit a plan which is consistent with said rules.

Within one year of permit issuance, the city shall prepare a plan/timetable for the Water Resources Commission which shall indicate the steps which the City intends to pursue to obtain a long-term water supply.

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. 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.

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.

DRAFT

Actual construction work shall begin on or before , and shall be completed on or before October 1, 1993. Complete application of the water shall be made on or before October 1, 1994.

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

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

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 of water shall be limited when it interferes with any prior surface or ground water rights.

Issued this date,.

_____
Water Resources Department
William H. Young
Director

I\We, _____, hereby understand and agree that this draft permit describes the full extent of water use that will be allowed approving Application G-11679. By signature below, I\We agree to the proposed terms and conditions for this draft permit.

_____
Signature\Title Date

_____
Signature\Title Date

NEIL GOLDSCHMIDT
GOVERNOR

Water Resources Department

3850 PORTLAND ROAD NE, SALEM, OREGON 97310 PHONE 378-3739

September 4, 1990

City of Mt. Vernon
Douglas M. Ferguson, PE, PLS
PO Box 647
Mt. Vernon, OR 97865

Reference: File G-11679

Dear Mr. Ferguson:

The Water Resources Department has withheld the processing of your application pending a decision on the flow levels necessary for the John Day River Scenic Waterway.

Enclosed is a notice of two public meetings that will be held in your area to discuss the flow requirements. The final decision on the flow requirements may effect your application. Your comments and suggestions may be submitted at the meetings or to this office.

If you have any questions, please contact me.

Sincerely,

Stephen C. Brown
Senior Water Rights Specialist
Field Operations Division

0193

COPY CHECK-OFF SHEET FOR PROPOSED FINAL ORDERS

CC: FILE # G-11679

WATERMASTER # 04

REGIONAL MANAGER: Mike Ladd

ODF&W - Grant County:

CWRE (if agent):

DEQ

OTHER STATE AGENCY IF NECESSARY:

DIVISION 33 LIST: x COLUMBIA RIVER INTERTRIBAL FISH COMMISSION; U.S. FISH & WILDLIFE;
(CHECK ONLY IF APPLICABLE) NORTHWEST POWER PLANNING COUNCIL & NATIONAL MARINE FISHERIES

POWER BUILDER UPDATER; FRONT COUNTER KEN STAHR

OTHER ADDRESSES OF PEOPLE WHO PAID THE $10 FEE:
MICHAEL RICKER, RMD

PEOPLE WITH OBJECTIONS, COMMENTS OR REQUESTED COPY W/O $10 (SEND THE $10 LETTER):

CASEWORKER : WHF

NEIL GOLDSCHMIDT
GOVERNOR

Water Resources Department

3850 PORTLAND ROAD NE, SALEM, OREGON 97310 PHONE 378-3739

July 21, 1989

CITY OF MT VERNON
P.O. BOX 647
MT VERNON, OR 97865

File: G-11679

You are receiving this notice because you have a water right application pending with the Water Resources Department. Your proposed water development project is located within or upstream from a state scenic waterway. A recent Oregon Supreme Court decision (Diack) requires the Water Resources Commission to make certain findings about applications in these locations.

The Commission has directed the Department to postpone further processing of applications in these locations until the streamflows necessary for recreation and fish and wildlife uses within the scenic waterway have been determined. We are working with the State Parks Division and the 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 December 1989 for your area.

Even though your application is within or 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 well would need to be at least one mile away from the nearest stream.

B. Your proposed use of water is nonconsumptive. 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 a 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 your application so that is 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. Leave your current application pending with us to hold your 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. Withdraw your application. The examination fee is non-refundable, but any recording fees which were submitted will be refunded. 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 the 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 want to wait for the results of the flow studies, you do not need to contact us. We will assume that you want to leave your application pending (alternative #1, above).

If your choice is either alternative #2 or #3, please return this letter with your comments.

If you have any questions not answered by this letter, please contact the Applications and Permits Section at 378-3739.

Sincerely,

William H. Young by John E. Borden

William H. Young
Director

NEIL GOLDSCHMIDT
GOVERNOR

Water Resources Department

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

November 18, 1987

Douglas M. Ferguson, PE, PLS
City Engineer
City of Mt. Vernon
PO Box 647
Mt. Vernon, OR 97865

Dear Mr. Ferguson:

REFERENCE: File G-11679

Application G-11679 you submitted for the City of Mt. Vernon which was returned to you has not been received. It was endorsed so that in order to retain its priority date, it must have been received in this office on or before November 13, 1987.

The application has lost its priority, but may be reinstated with a new priority date when it is again received.

Sincerely,

WAYNE J. OVERCASH
Water Rights Specialist

WJO:tcb

378-3066

September 11, 1987

Douglas M. Ferguson PE, PLS
City Engineer
City of Mt. Vernon
P.O. Box 647
Mt. Vernon, OR 97865

REFERENCE: File G-11679

Application G-11679 you submitted for the City of Mt. Vernon describing the proposed use of 250 gallons of water per minute from groundwater for the City of Mt. Vernon, a municipality, and domestic use; together with the map, has been reviewed.

It will be necessary to supply a little more information on the application and supply additional maps before the application can be considered for approval.

If is intended to utilize the water for all uses usual and ordinary to a municipal water system, it may be best to complete Item 7 on the application by only listing the use as municipal uses. If it is intended to list domestic use separately, we will need additional information on this domestic use that may not be included within the municipal uses.

If this development would be considered an infiltration gallery type groundwater development, the source should be listed as an "infiltration gallery" in Item 1 of the application.

The present population served and as near as may be the future requirements of the City needs to be noted. This information may be given in the remarks section of the application.

The supporting map will need to be further completed to show a boundary line around the proposed service area to be in agreement with the location given in Item 3 of the application.

Of the size maps submitted, it will be necessary to submit 4 complete prints each further completed to illustrate the proposed development.

The permit that may be issued approving the application will limit the appropriation of water only to the extent that it does not impair or substantially interfere with existing surface water rights or groundwater rights of others.

You have noted in Item 14 that this would be a supplemental supply. Please further note whether this is in addition to the existing rights or only to make up for any deficiency in supply that may occur under the existing rights.

I am returning the application and map for correction and completion. The application is endorsed so that in order to retain its priority date it must be received in this office on or before November 13, 1987.

Sincerely,

WAYNE J. OVERCASH
Senior Water Rights Examiner

WJO:wpc

Enclosures

1396E

STATE OF OREGON INTEROFFICE MEMO

TO: LICENSES AND PERMITS DIVISION
WATER RESOURCES DEPARTMENT

DATE: July 28, 1987

FROM: Jerry Rodgers, WATERMASTER DISTRICT 4

(signature) 8/17/87

, GEOLOGIST

(signature)

RECEIVED
AUG 21 1987
WATER RESOURCES DEPT.
SALEM, OREGON

SUBJECT: Application G-11679, filed July 13, 1987 by the City of Mt. Vernon (a municipality), PO Box 647, Mt. Vernon, Oregon 97865, for a permit to appropriate 250 gpm from one well at a point located within NE 1/4 SE 1/4, Section 28, Township 13 South, Range 30 East, for municipal and domestic use.

In my opinion water for a permit approving this application will:

(be) (not be) likely available in the amount that can be beneficially used for the stated purpose and at the time needed; and (SEE COMMENTS)

(will) (will not) likely harm vested and/or inchoate rights.

COMMENTS:

The development consists of an infiltration gallery collecting water for municipal use.

The system has been installed and according to the City engineer is presently producing 70 gpm. Earlier in the summer just after completion, production was about 150 gpm.

The gravels are most likely recharged from Ingle Creek and the Enterprise Ditch (from the John Day River). Production of the well would depend on gravel recharge and fluctuate significantly throughout the year. At times production might exceed 250 gpm to a late summer yield less than current production.

In the new John Day Basin Plan, an additional source of water for Mt Vernon was identified as a high priority.

NOTE: Comments section may include information relative to availability of water, time of year when water may be available, effect on existing rights, and effect on public interest.

0958E

STATE OF OREGON INTEROFFICE MEMO

TO: LICENSES AND PERMITS DIVISION
WATER RESOURCES DEPARTMENT

DATE: 8/21/87

FROM: _____, WATERMASTER DISTRICT ____

_____
(signature)

Marshall Hamnett, GEOLOGIST

Marshall Hamnett
(signature)

SUBJECT: Application G-11679, filed July 13, 1987 by the City of Mt. Vernon (a municipality), PO Box 647, Mt. Vernon, Oregon 97865, for a permit to appropriate 250 gpm from one well at a point located within NE 1/4 SE 1/4, Section 28, Township 13 South, Range 30 East, for municipal and domestic use.

In my opinion water for a permit approving this application will:

(be) (not be) likely available in the amount that can be beneficially used for the stated purpose and at the time needed; and

(will) (will not) likely harm vested and/or inchoate rights.

COMMENTS:

NOTE: Comments section may include information relative to availability of water, time of year when water may be available, effect on existing rights, and effect on public interest.

NEIL GOLDSCHMIDT
GOVERNOR

Water Resources Department

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

July 23, 1987

City of Mt. Vernon
PO Box 647
Mt. Vernon, OR 97865

REFERENCE: File G-11679

We received your application on July 13, 1987, for use of water for municipal and domestic use along with supporting data and fees. Our Receipt 52834 is enclosed. Your application has been filed and assigned number G-11679.

Applications which are received in proper form for a permit, including maps, supporting data and fees, will receive a permit shortly after the mandatory 30-day waiting period. Applications which are defective, conflict with existing rights or require additional information will be reviewed in detail and will be returned for completion or correction within 45 days.

Effective July 1, 1987, the law requires the permittee to hire a private Water Right Examiner to survey the extent of use of water perfected under the terms of a permit. Within one year of application of water to beneficial use or the date to make complete application of water allowed in the permit, the permittee shall submit a map of the survey. This law (ORS 537.230 and 537.630, amended 1987) applies to all permits and transfers for which applications were filed after June 30, 1987. Only registered professional surveyors and engineers are eligible to become Water Right Examiners.

If your application is approved, the permit authorizing the project described in the application would be subject to prior rights and require that the well be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The permit would also require that a weir, meter, or other suitable measuring device be installed, if required by the Watermaster, and a log be kept recording the amount of ground water withdrawals. If you have any questions regarding these provisions or the Well Standards, please contact this office.

Sincerely,

RALPH H. JACKSON
Application/Permit Section

RHJ:wpc
Enclosure
0908E

MEMORANDUM

DATE: 11/16/89

TO: Application/ Permit Section

FROM: Groundwater Section by M. Gannett
(signature)

SUBJECT: Application # G-11679

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:

X 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.

____ 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: "Significant" has been defined according to the Director's October 19, 1989 memo. Acc. Jerry Rodgers, WM district 4, this appropriation will have no noticeable effect on stream flow.

Appendix F; Table 5. (Contd.)

M. Fk. John Day R. at Ritter (Applic)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Gaged 80% Ex. Flow	103	152	268	412	489	220	46	21	25	37	50	75
Gaged 50% Ex. Flow	186	264	502	690	787	393	88	36	35	45	73	115
Instream Wat. Right	80	80	125	125	125	80	38	75	88	50	80	80
80% Ex. Flow W.A.	23	72	143	287	364	140	8	-54	-62	-13	-30	-5
50% Ex. Flow W.A.	106	184	377	565	662	313	51	-39	-52	-5	-7	35

Note: There is an instream flow right with a priority date of 1962 of 10 CFS every month for that applies to this site as well. The 1983 priority date with greater flow values is used here.

Camas Cr. near Ukiah (Cert)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Gaged 80% Ex. Flow	35	46	96	162	132	31	7	4	4	6	9	22
Gaged 50% Ex. Flow	91	104	184	283	219	60	13	6	6	8	19	49
Instream Wat. Right	55	63	70	70	70	55	26	12	12	12	40	55
80% Ex. Flow W.A.	-20	-17	26	92	62	-24	-19	-8	-8	-6	-31	-33
50% Ex. Flow W.A.	36	42	114	213	149	5	-13	-6	-6	-4	-21	-6

N. Fk. John Day R. near Dale (Cert)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Gaged 80% Ex. Flow	118	146	178	540	1146	533	151	75	56	53	64	94
Gaged 50% Ex. Flow	184	213	289	898	1780	852	226	97	71	69	95	153
Instream Wat. Right	35	35	35	35	35	35	35	35	35	35	35	35
80% Ex. Flow W.A.	83	111	143	505	1111	498	116	40	21	18	29	59
50% Ex. Flow W.A.	149	178	254	863	1745	817	191	62	36	34	60	118

Desolation Cr. near Dale (Cert)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Gaged 80% Ex. Flow	24	25	42	37	284	166	30	12	9	10	11	17
Gaged 50% Ex. Flow	46	47	70	114	409	230	49	16	10	13	18	29
Instream Wat. Right	50	55	60	60	60	50	21	21	30	12	12	30
80% Ex. Flow W.A.	-26	-30	-18	-23	224	116	9	-9	-21	-2	-1	-13
50% Ex. Flow W.A.	-4	-8	10	54	349	180	28	-5	-20	1	6	-1

Mountain Cr. near Mitchell

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Gaged 80% Ex. Flow	5	7	8	11	12	3	1	0	0	1	1	2
Gaged 50% Ex. Flow	12	14	18	26	28	10	2	1	1	1	2	5

Note: There are no instream minimum flows at this point so the predicted and actual flow is equal to water availability.

John Day R. at Picture Gorge (Cert)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Gaged 80% Ex. Flow	339	428	561	639	640	341	53	19	30	126	189	243
Gaged 50% Ex. Flow	552	707	1055	1230	1198	624	147	44	64	164	247	353
Instream Wat. Right	120	140	160	160	160	120	60	60	60	60	120	120
80% Ex. Flow W.A.	219	288	401	479	480	221	-7	-41	-30	66	69	123
50% Ex. Flow W.A.	432	567	895	1070	1038	504	87	-16	4	104	127	233

TABLE 1 1-30-87

WHAT ARE SCENIC FLOWS?

LETTER EXPLAINING OBJECTIONS

IR: OUR DATA WRONG

690-11-050 (2)

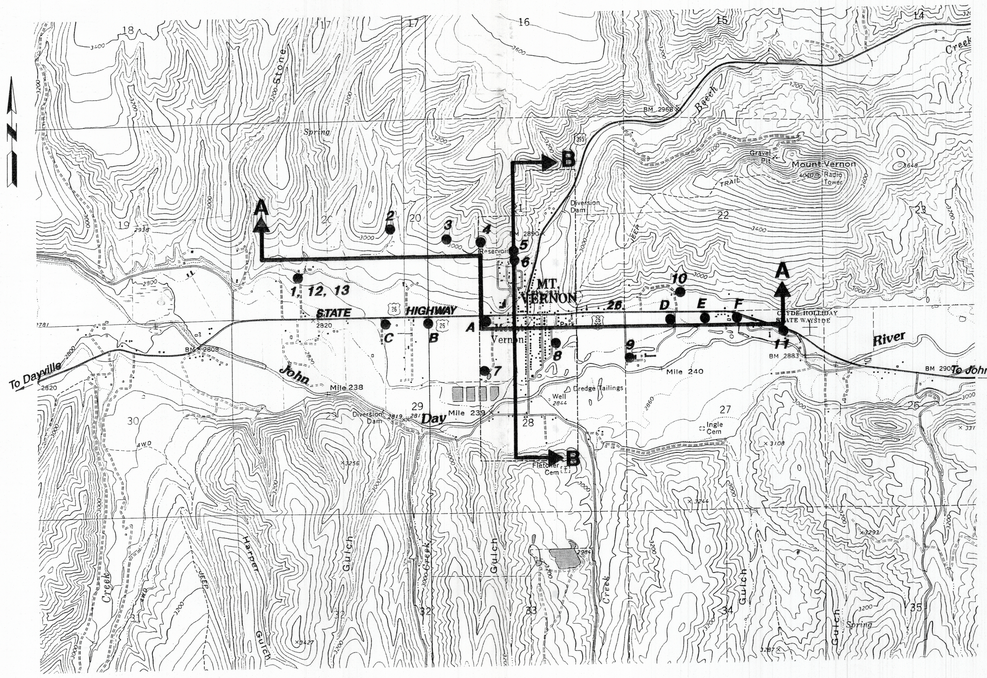
ACCEPT OR WE'LL REJECT → CIRCUIT COURT

SUGGESTED WE COULD SEND PROPOSED ORDER BUT THAT IS MORE WORK FOR US. IF THEY STILL OBJECT. STAFF REPORT TO COMMISSION ETC.

DEVELOP DEEPER AQUIFER (BASALT?)

CHANGE OTHER RIGHT TO MUNICIPAL

157796



VICINITY MAP

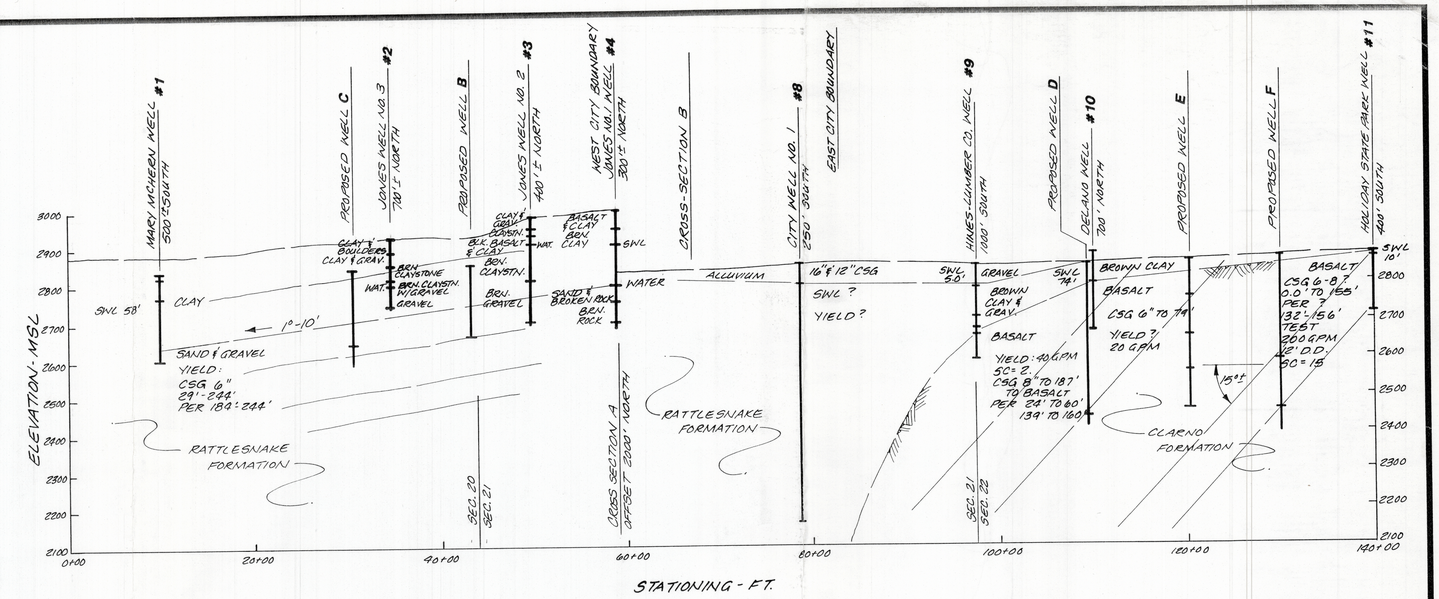
1" = 2000'

WELL IDENTIFICATION

1. MARY MCHERN WELL
2. JONES WELL NO. 3
3. JONES WELL NO. 2
4. JONES WELL NO. 1
5. CONTRACT WELL - 1993 (CITY WELL NO. 4)
6. CITY WELL NO. 2
7. LEMONS WELL
8. CITY WELL NO. 1
9. HINES LUMBER CO. WELL
10. DELANO WELL
11. HOLIDAY STATE PARK WELL
12. SPRAUL WELL
13. THOMPSON WELL

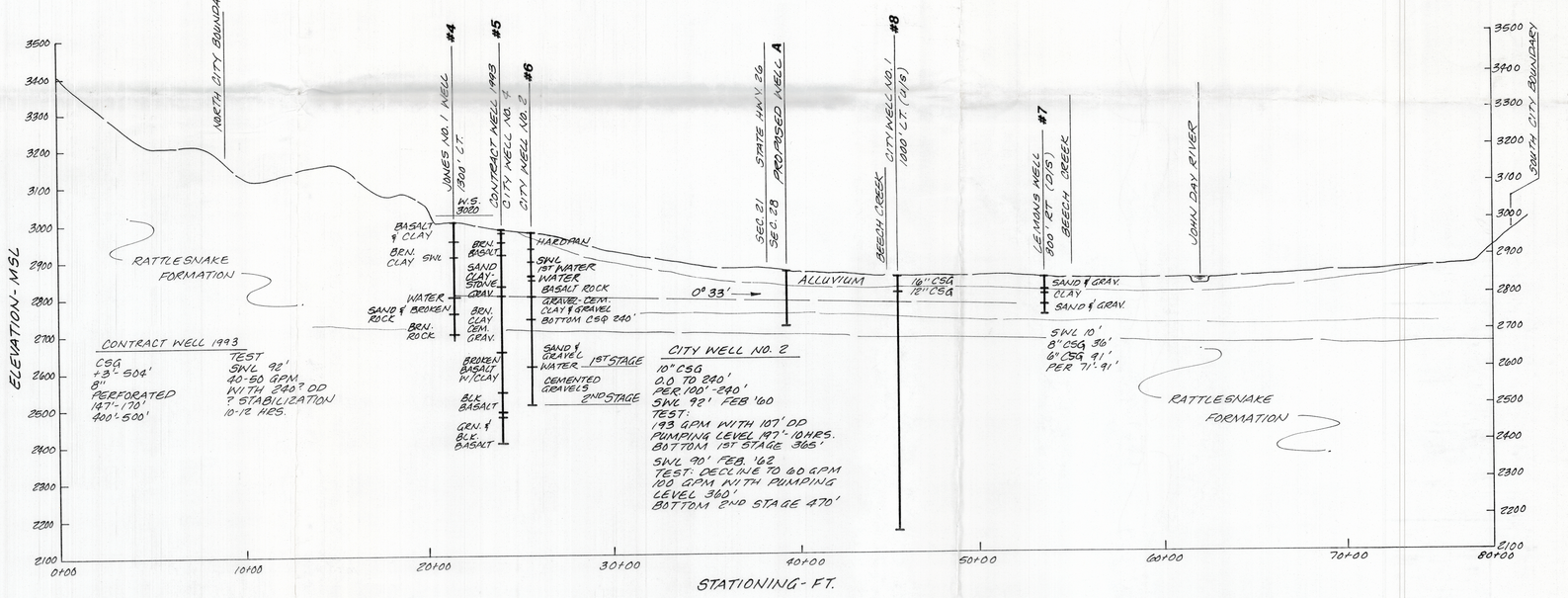
A, B, AND C - PROPOSED WELL LOCATIONS (RATTLESNAKE)

D, E, AND F - PROPOSED WELL LOCATIONS (CLARNO)



GEOLOGIC CROSS-SECTION A

1" = 800' HORIZ.
1" = 200' VERT.



GEOLOGIC CROSS-SECTION B

1" = 400' HORIZ.
1" = 200' VERT.

PRELIMINARY

CERTIFIED ENGINEERING GEOLOGIST
OREGON #E107
RICHARD L. GULLIXSON
CONSULTING GEOLOGIST
Registered
Oregon — Idaho — California
1003 Davis Street
Milton-Freewater, Oregon 97862
Phone
503-938-3874

REVISION	BY	DATE	
DESIGNED BY D. GULLIXSON	HORIZ. SCALE AS SHOWN	VERT. SCALE AS SHOWN	
DRAWN BY L. BAUER	JOB NUMBER 905-41	DATE 1994	
REVIEWED BY	ACAD FILE:		

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CITY OF MT. VERNON
GROUNDWATER STUDY

VICINITY MAP AND GEOLOGIC CROSS-SECTIONS

FIGURE 1

CITY OF MT. VERNON WATER DEVELOPMENT

As Constructed Drawings - Cover Sheet & Appropriation of Ground Water Map

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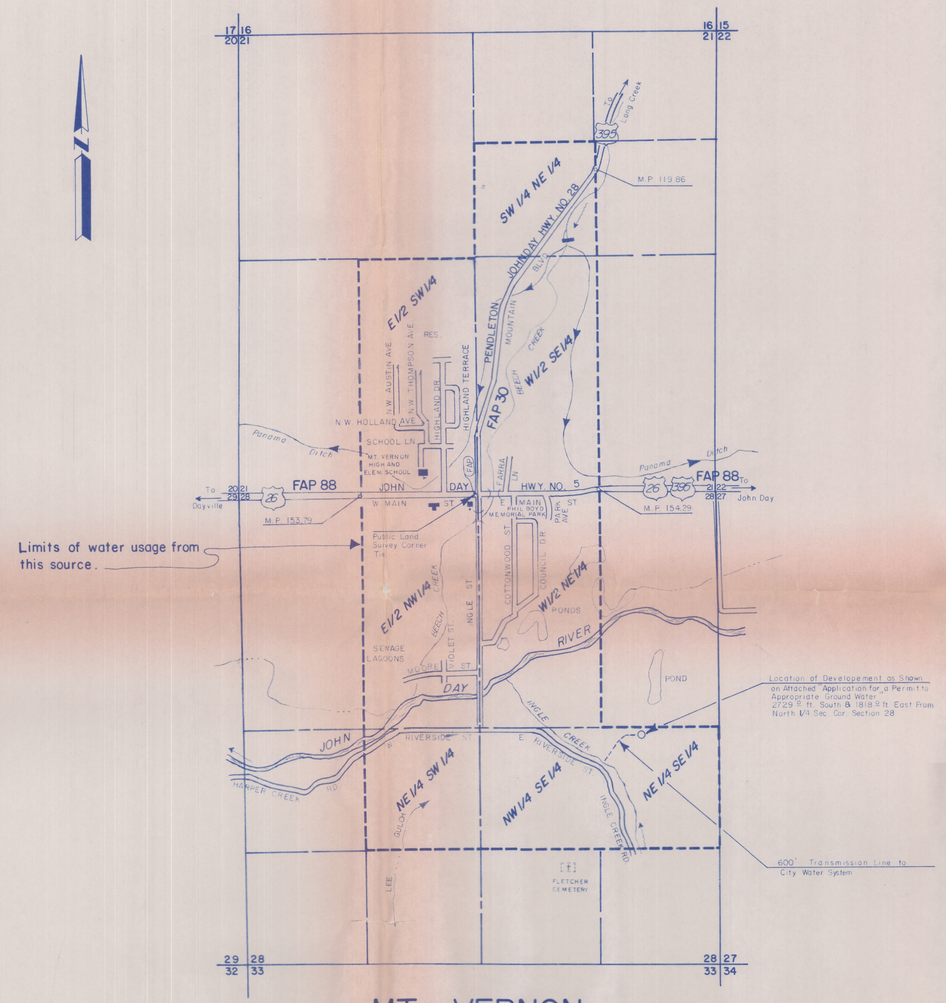
SALEM, OREGON



MT. VERNON

T. 13 S. R. 30 E. W.M.

FOR: STATE OF OREGON WATER RESOURCES DEPT.

Application for Permit to Appropriate Groun Water

Application No. G - 11679 Permit No. _____

Co-ordinants Determined By: Douglas M. Ferguson

800' 0 800' 1600' 2400'

SCALE

DATE: NOV. 1987

REGISTERED PROFESSIONAL LAND SURVEYOR
OREGON
JULY 14, 1967
DOUGLAS M. FERGUSON
845

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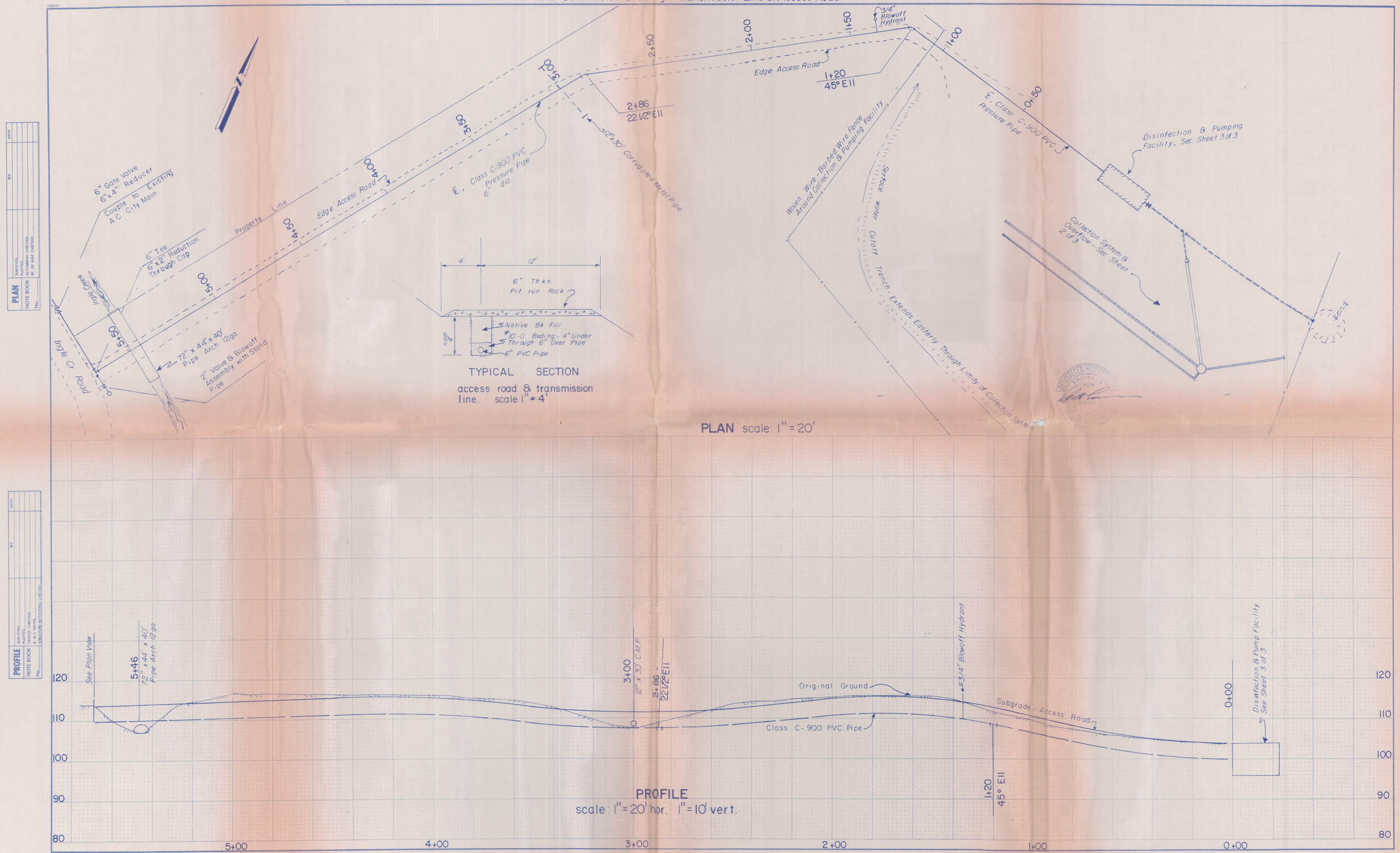
CITY OF MT. VERNON - WATER DEVELOPEMENT

As-Constructed Drawings - Transmission Line & Access Road



TYPICAL SECTION
access road & transmission line. scale 1" = 4'

PLAN scale: 1" = 20'

PLAN
SURVEYED
PLOTTED
NOTE BOOK
No.
ALIGNMENT CHECKED
RT. OF WAY CHECKED
BY
DATE

PROFILE
scale: 1" = 20' hor. 1" = 10' vert.

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
No.
GRADE CHECKED
R. W.'s NOTED
STRUCTURE NOTATIONS CHECKED
BY
DATE

IDAHO BLUE PRINT PLATE 1, DOT
Made in U.S.A.

CITY OF MT VERNON - WATER DEVELOPMENT

As-Constructed Drawings - Collection System & Overflow

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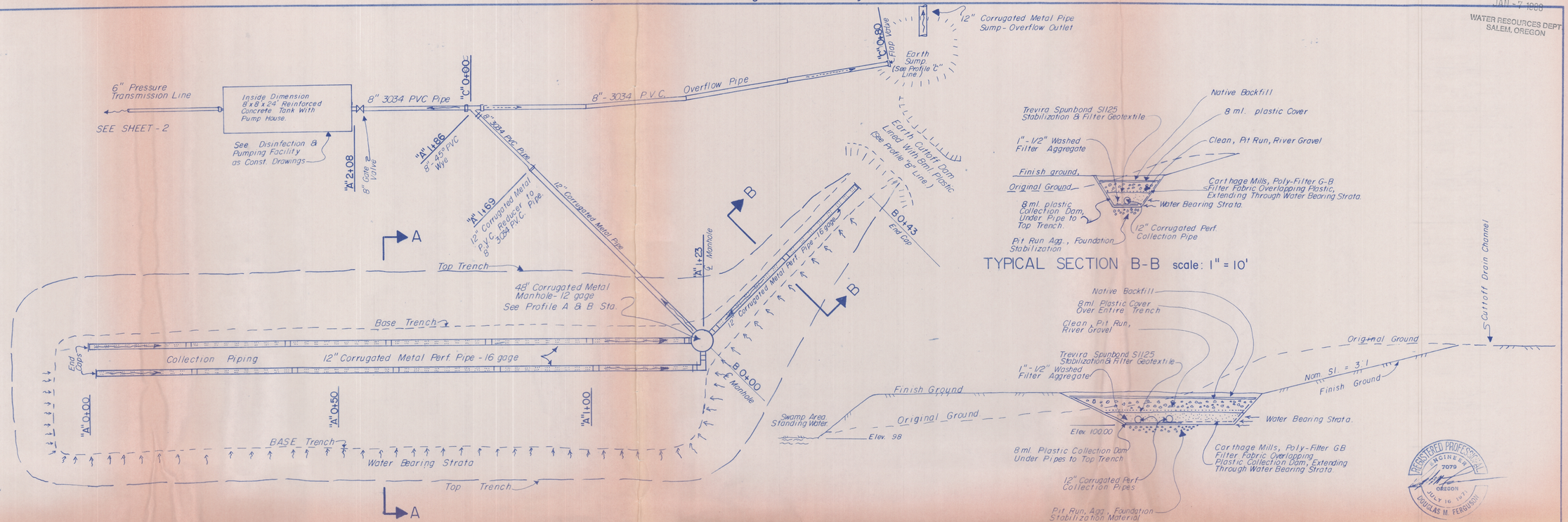
WATER RESOURCES DEPT
SALEM, OREGON

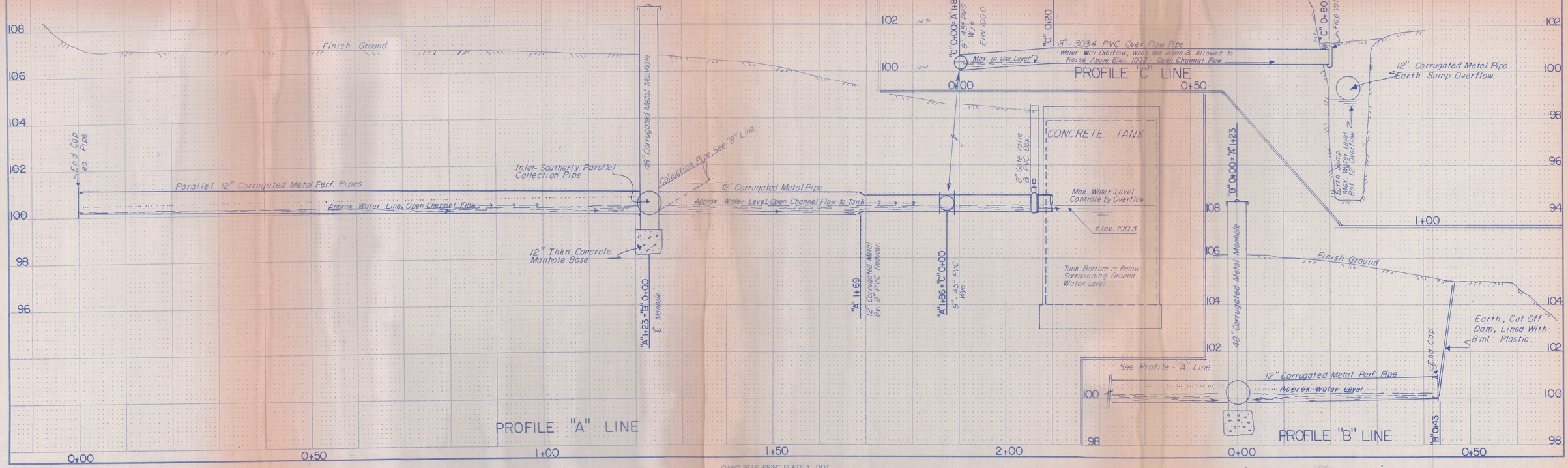
106261

PLAN — SURVEYED, PLOTTED, NOTE BOOK, No., ALIGNMENT CHECKED, BLUE PRINT CHECKED, BY, DATE



PLAN - COLLEGE SYSTEM SCALE: 1" = 10'

PROFILE — SURVEYED, PLOTTED, NOTE BOOK, No., PROFILE CHECKED, B. M.'s NOTED, STRUCTURE NOTATIONS CHECKED, BY, DATE



REGISTERED PROFESSIONAL ENGINEER
7079
OREGON
JULY 10, 1973
DOUGLAS M. FERGUSON

IDAHO BLUE PRINT PLATE 1, DOT
Made in U.S.A.

CITY OF MT. VERNON - WATER DEVELOPEMENT

As-Constructed Drawings - Disinfection & Pumping Facility

SHEET 3 of 3 ~~of 3~~

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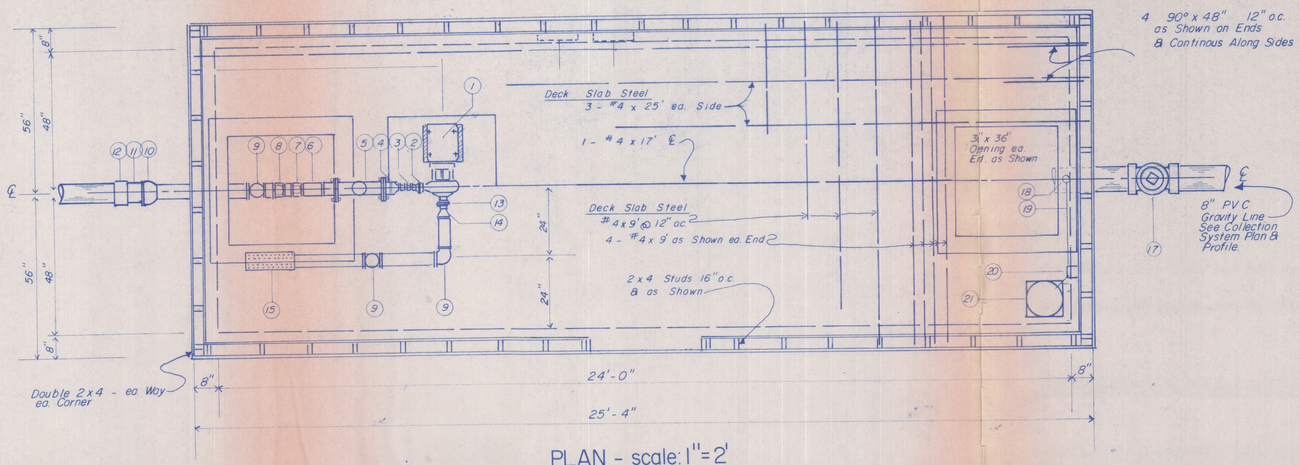
SALEM, OREGON

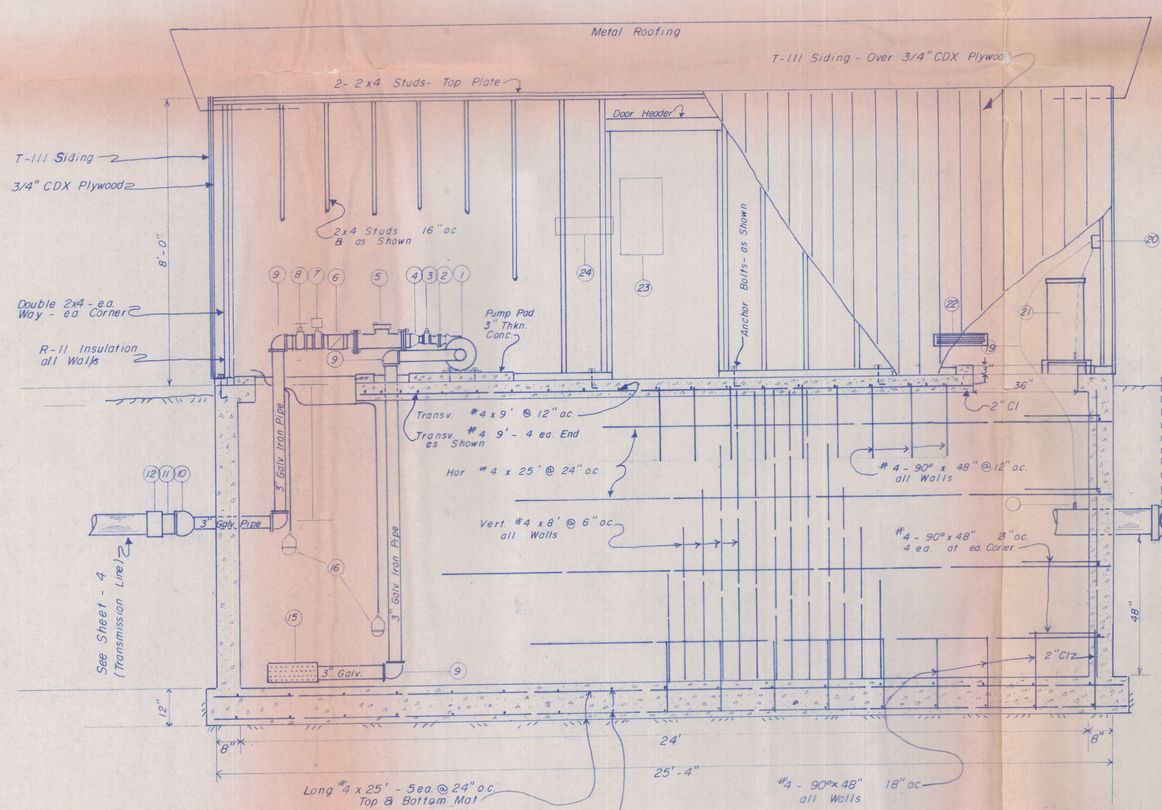


PLAN - scale: 1" = 2'

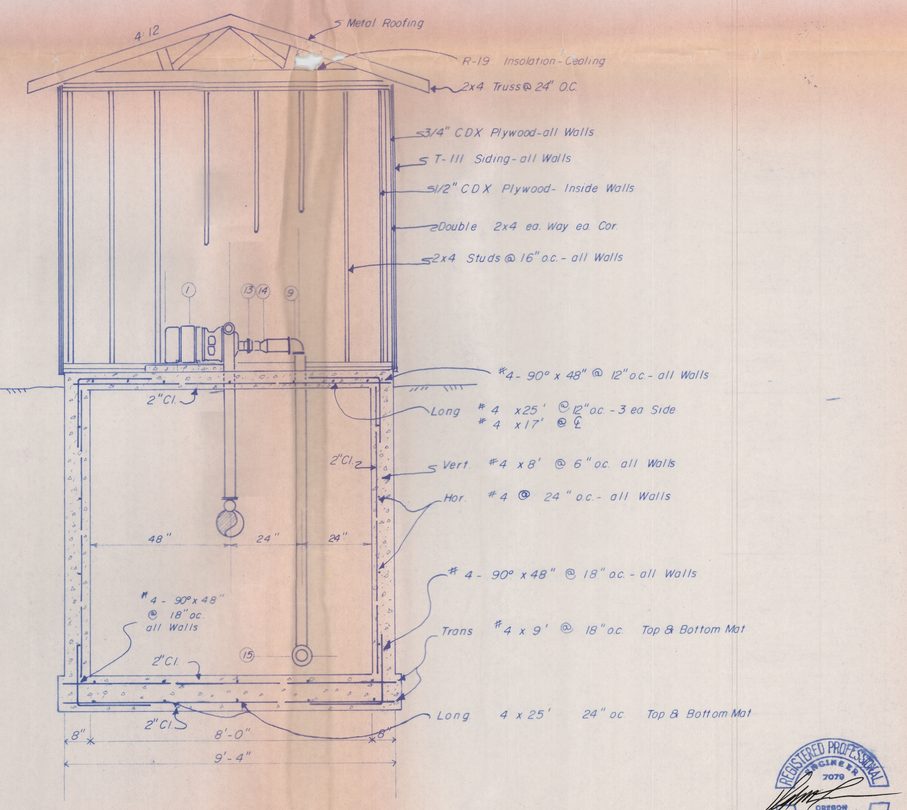
MATERIALS DESCRIPTION

See Corrisponding No. on Drawings to The Lt.

1	Berkeley Pump Model B 1/2 2 PLS, 15 H.P. @ 3600 RPM 3 Ø
2	1 1/2" Galv. Union
3	1 1/2" Galv. Tee
4	3" x 1 1/2 Galv Bell Reducer
5	Flow Meter
6	3" Non Slam Check Valve
7	FS3-4 Mc Donald Miller Flow Switch
8	3" Brass Gate Valve
9	3" Galv. 90° ELL
10	6" x 3" Galv. Bell Reducer
11	6" x 12" Galv. Nipple
12	Coupler 6" Galv. - 6" C-900 PVC
13	2" Galv. Union
14	3" x 2" Galv. Bell Reducer
15	3" Brass Foot Valv
16	Roto Control Floats (System Operates Between Floats)
17	8" Gate Valve
18	Chlorination Injector
19	Chlorine Tubing
20	Chlorination Pump
21	Chlorination Tank & Stand - (14 gal.)
22	Closable Vents as Shown - 2 each Side Wall
23	15 H.P. 230V 3 Ø Pump Panel
24	Electrical Panel



ELEVATION scale: 1" = 2'



SECTION scale: 1" = 2'

REGISTERED PROFESSIONAL ENGINEER 7079 OREGON JULY 16, 1971 DOUGLAS M. FERGUSON

RECEIVED
AUG - 9 1995
WATER RESOURCES DEPT.
SALEM, OREGON

I/We certify that the information I have provided in application # G-11679 is an accurate representation of the proposed water use and is true and correct to the best of my knowledge.

Name	Title	Date
Susan E. Newstetter	Mayor	8/7/95

Oregon

WATER
RESOURCES
DEPARTMENT

July 20, 1995

DON WELCH, PROJECT ADMINISTRATOR
CITY OF MT. VERNON
628 SOUTH OVERHOLT
PRAIRIE CITY OR 97869

RE: Application #G-11679

Dear Mr. Welch,

The Water Resources Department is currently reviewing Mt. Vernon's application for water use. Preliminary review indicates the following items were not included with their application:

- An oath that the information contained in the application is true and accurate. Please sign and return the enclosed oath. (If you are not authorized to sign on behalf of the City, please inform me as to the correct party to contact.) A photocopy of the application is enclosed for your convenience.

In order to expedite the processing of the application, we request that you submit this item by **August 4, 1995.** I have enclosed a stamped envelope for your use.

Should you have any questions regarding your application or the required materials listed above, please call me personally at 1-800-624-3199 extension 306.

Sincerely,

Cory Engel

Mr. Cory C. Engel
Completeness Team

enclosure

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

COMPLETENESS DETERMINATION CHECKLIST

Application #	Review Date	Reviewer Initials
G - 11679	7/18/95	Coy

A checkmark (✓) indicates that the item is <u>incomplete</u> or <u>defective</u>.

_____ 1. Examination fees.
_____ 2. Name and address of the applicant, and title if applicable.
_____ 3. Source of water.
_____ 4. Use of water.
_____ 5. Amount of water.
_____ 6. Location & description of delivery system. 7+8 - see easements from DR Johnson Lumber + Duane Dawes
✓ 7. Name(s) and address(es) of the owners of any lands involved, but not owned by the applicant.
✓ 8. A statement declaring the existence of written authorization or easement permitting access to lands involved, but not owned by the applicant.
_____ 9. Proposed dates of beginning and completion of construction, and complete application of water.
_____ 10. If for **municipal use,** the present population to be served and expected future water requirements.
_____ 11. If for **mining use,** the type of mines and methods of supplying & utilizing the water.
_____ 12. If for a **reservoir:**
  _____ The height of the dam and the storage capacity.
  _____ The area submerged and the maximum depth.
  _____ The construction method (earthfill, concrete, flashboard, etc.).
  _____ A description of the outlet conduit and spillway.
_____ 13. If for **groundwater,** the horizontal distance from the well to the nearest surface water source (if within one mile), and the difference in land surface elevation between them.
_____ 14. If the application was made under **HB 2107:**
  _____ Name and address of each adjacent property owner and verification that each owner has been mailed a copy of the completed notice.
  _____ A description of the proposed water used and related project, the condition it will address, and the benefits that are expected to result from the project.
  _____ The number of reservoirs per application is appropriate as per OAR 690-11-049 (3)(b)
✓ 15. An oath that the application information is true and correct.
_____ 16. The signature of the applicant(s).
_____ 17. A satisfactory map of the proposed POD & POU.
_____ 18. A Land Use Information Form or receipt signed by appropriate planning official.

G-11679

anderson perry & associates, inc.
ENGINEERING, SURVEYING, AND MATERIALS TESTING

P.O. Box 1107 • 1901 Fir St. • La Grande, OR 97850-0939
(503) 963-8309 • FAX (503) 963-5456

LETTER OF TRANSMITTAL

DATE	JOB. NO.
10/19/94	

ATTENTION DWIGHT FRENCH

RE Water Right Permit for the City of Mt. Vernon, Oregon

RECEIVED
OCT 21 1994
WATER RESOURCES DEPT.
SALEM, OREGON

TO Water Resources Department
Commerce Building
158 12th St. N.E.
Salem, OR 97310-0210

GENTLEMEN:

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1			City of Mt. Vernon - Water System Improvements Site Map

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ For review and comment ☐ Resubmit _____ copies for review

☒ For your use ☐ No exceptions noted ☐ Submit _____ copies for distribution

☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints

☐ _____

☐ FOR BIDS DUE _____ 19____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS Enclosed is a copy of the revised location of Wells A, B, and C for the City of Mt. Vernon. Because these wells have be relocated, the City needs their Permit to Appropriate the Public Waters to be amended to describe their new locations. I apologize for any inconvenience. If you have any questions, please feel free to call.

Damon McAlister
Staff Engineer

COPY TO CC 905-40-35 (w/encl).

SIGNED: Damon McAlister

If enclosures are not as noted, kindly notify us at once.

anderson perry & associates, inc.
ENGINEERING, SURVEYING, AND MATERIALS TESTING
P.O. Box 1107 • 1901 Fir St. • La Grande, OR 97850-0939
(503) 963-8309 • FAX (503) 963-5456

LETTER OF TRANSMITTAL

DATE 9/2/94 | JOB. NO. 905-40-02

ATTENTION Dwight French

RE City of Mt. Vernon - Water

TO Oregon State Water Resources Dept
158 12th St. NE.
Salem, OR 97310-0210

RECEIVED
SEP - 6 1994
WATER RESOURCES DEPT.
SALEM, OREGON

GENTLEMEN:

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1			Ground Water Study for Municipal Water Use – Mt. Vernon, Oregon
1			Vicinity Map and Geologic Cross-Sections
1			Proposed Water Supply Improvements Phase I – Water Supply / Treatment
1			Typical Well Section

THESE ARE TRANSMITTED as checked below:

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☒ For your use ☐ No exceptions noted ☐ Submit_____copies for distribution

☐ As requested ☐ Returned for corrections ☐ Return_____corrected prints

☐ _____

☐ FOR BIDS DUE _____ 19____ ☐ PRINTS RETURNED AFTER LOAN TO US

City of Mt. Vernon.
Place this in most recent G application filed by them

G-116 '94

SIGNED: Pat Hughes

If enclosures are not as noted, kindly notify us at once.

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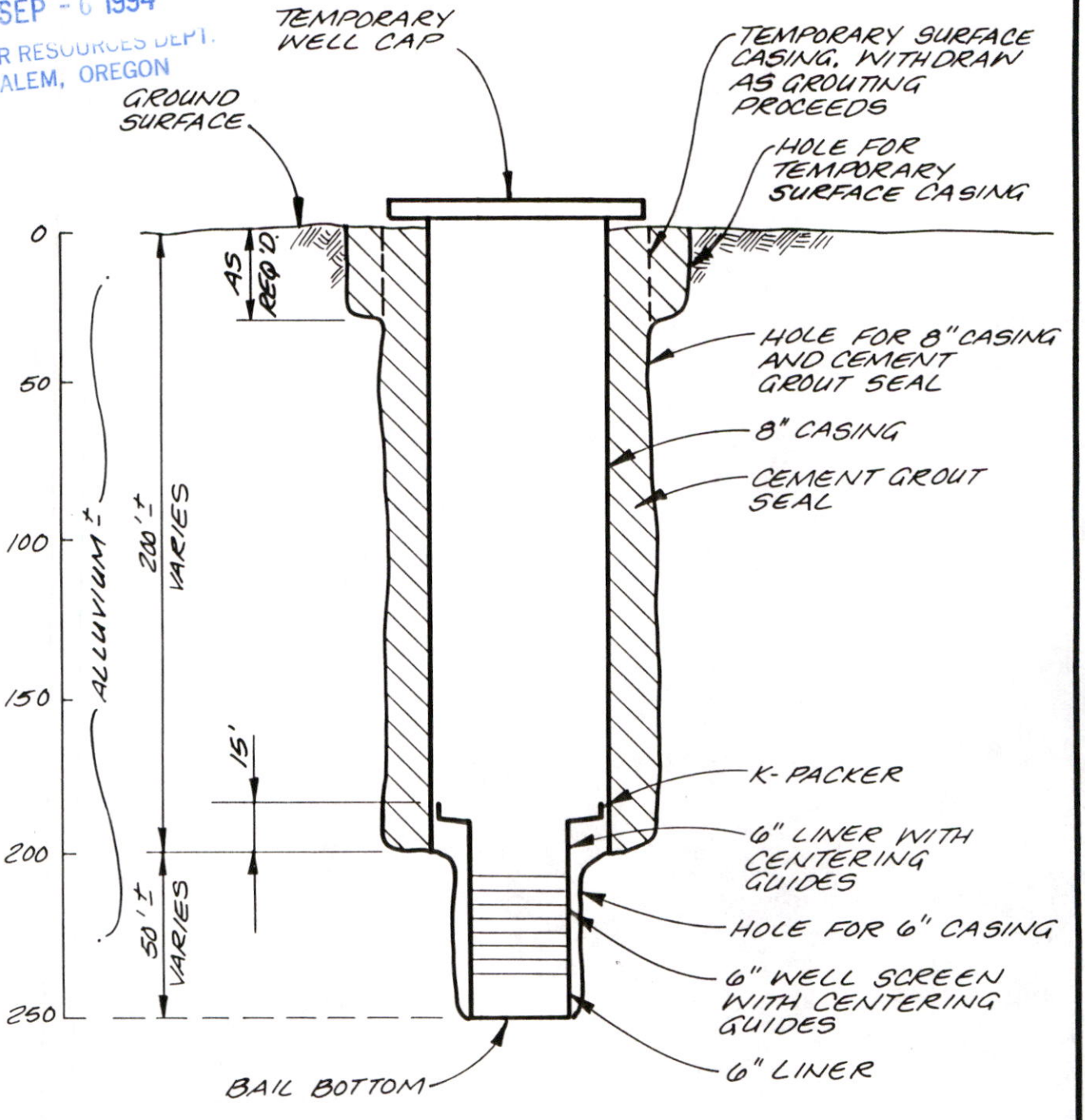
WATER RESOURCES DEPT.
SALEM, OREGON



TYPICAL WELL SECTION

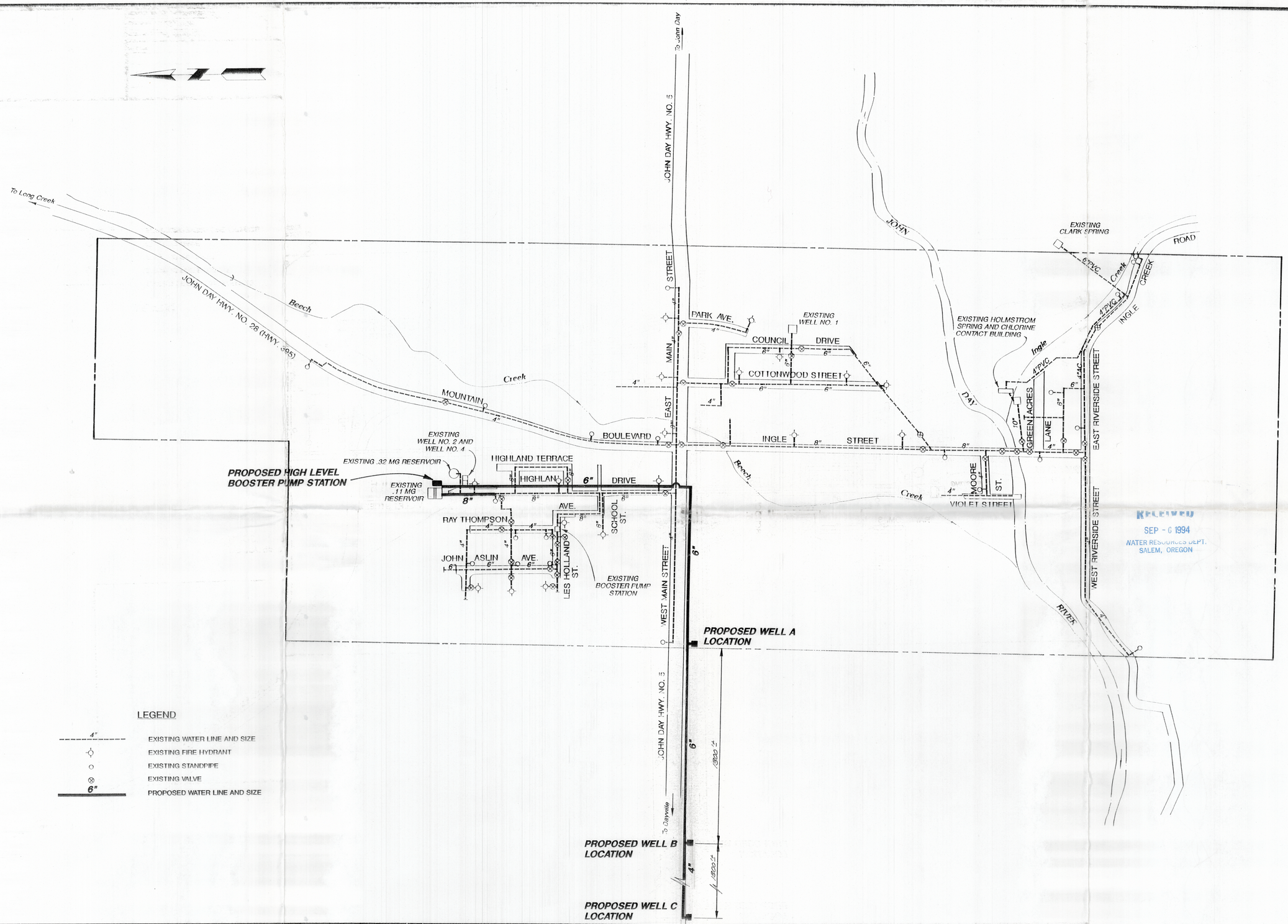
ANTICIPATED WELL CONSTRUCTION

anderson perry & associates, inc.

CITY OF
MT. VERNON, OREGON
WATER SYSTEM IMPROVEMENTS STUDY
TYPICAL WELL SECTION

FIGURE
5

130659



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SEP - 6 1994
WATER RESOURCES DEPT.
SALEM, OREGON

REVISION	BY	DATE	
DESIGNED BY P. HUGHES	HORIZ. SCALE 1"= 300'	VERT. SCALE	
DRAWN BY L. BAUER	JOB NUMBER 905-42	DATE 1994	
REVIEWED BY G. ANDERSON	AGAD FILE:		

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PRELIMINARY

REGISTERED PROFESSIONAL ENGINEER 7457 OREGON JULY 14, 1972 STEPHEN G. ANDERSON EXPIRES: 12-31-

anderson perry & associates, inc.
LA GRANDE, OR WALLA WALLA, WA LEWISTON, ID

CITY OF MT. VERNON
WATER SYSTEM IMPROVEMENTS

PROPOSED WATER SYSTEM IMPROVEMENTS
PHASE 1 – WATER SUPPLY/TREATMENT

FIGURE
1

GROUND WATER STUDY FOR MUNICIPAL WATER USE

MT. VERNON, OREGON



June, 1994

RICHARD L. GULLIXSON
CERTIFIED ENGINEERING GEOLOGIST

GROUND WATER STUDY FOR MUNICIPAL WATER USE
MT. VERNON, OREGON

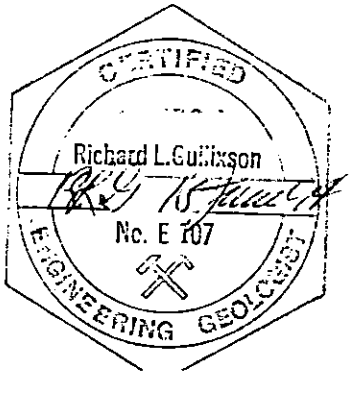
	Page
1. General Statement and Study Area	1
2. Regional Geology	1
Topography and Structure	1
Stratigraphy	2
Drainage	5
3. Mt. Vernon Geology	5
Location and Topography	5
Materials	6
Geological Interpretation	6
4. Recommendations	14

Appendix No. 1 - Water Resources Department Administrative Rules Chapter 690, Division 9, Ground Water Interference with Surface Water

Appendix No. 2 - Geologic History of Mount Vernon Quadrangle, Grant County, Oregon

Appendix No. 3 - Well Logs

Figure No. 1 (Foldout)



GROUND WATER STUDY FOR MUNICIPAL WATER USE
MT. VERNON, OREGON

1. GENERAL STATEMENT AND STUDY AREA:

The City of Mt. Vernon occupies a portion of the John Day River valley between River Miles 239 and 240. All of the river water, both surface and subsurface, contained in the alluvial materials of the river basin are completely allocated and therefore no additional appropriations can be made.

Ground water contained and confined in geologic formations which form the valley walls and which underlay the valley bottom, below or beneath the alluvial basin materials, is subject to appropriation by valid proof and permit. The Water Resource Department, Administrative Rules, Chapter 690, Division 9 (690-09-030) establishes the criteria to determine whether wells have the potential to cause interference with surface water. (See Appendix No. 1)

The principle area of study is Township 13 South, Range 30 East, Willamette Meridian. The area is extended into the south half of Township 12 South, Range 30 East, to include the area of Black Butte as the crest of the Black Butte Anticline, and into the north half of Township 14 South, Range 30 East, to include the crest of the Aldrich Mountain Anticline. These additional areas are included in the regional geology discussion as part of the background information.

2. REGIONAL GEOLOGY:

Topography and Structure: This area is part of the Columbia Plateau Province, Blue Mountain sub-province. The general area is characterized as strongly

folded rocks creating anticlines as high ridges and mountains, and synclines as structural basins. The John Day River Basin is a structural syncline basin with the Black Butte anticline to the north a distance of eight miles from the river basin, and the Aldrich Mountain anticline to the south a distance of four miles from the basin. The John Day River Basin has a floor elevation of 2840 feet along the south edge, sloping to 2870 feet along the north edge, and is approximately one mile wide. The John Day Basin valley extends in a northwest direction with a valley slope of 20 to 25 feet per mile.

Black Butte to the north had a top peak elevation of 6235 feet and is composed of Picture Gorge basalt, which has been strongly folded and faulted. The general trend of the fault pattern is parallel to John Day synclinal basin. Cinnabar Mountain to the south has a crest elevation of 6000 feet, and is mapped as metamorphic rock and more specifically as gray waches and shales. Therefore, it is evident that the John Day River Basin is asymmetrical in shape with the south limb rising more steeply. It is also questionable whether the two anticlines were folded during the same time period.

Stratigraphy: The area of study was geologically mapped by C. E. Brown and T. P. Thayer and published as a U.S.G.S. Map, GQ-548, of the Mount Vernon Quadrangle in 1966. (See Appendix No. 2.) The Mount Vernon Quadrangle map was then included in the publication of the Geologic Map of the Canyon City Quadrangle, Northeastern Oregon, Identified as Map I-447, Miscellaneous Geologic Investigations, dated 1966. The geologic mapping of the Mount Vernon quadrangle covers the time interval from

Triassic (210 million years ago), through Jurassic, Cretaceous, Tertiary, and Quaternary, or present time.

In the present study, the principal interest is in the Tertiary and Quaternary. Prior to the Tertiary the rocks were metamorphic and intruded igneous magmas with little or no water storage capability or permeability.

In the Tertiary, the oldest formation is the Clarno and is age dated as the Eocene (36 to 57 million years ago). This formation consists of Basaltic to Rhyolitic flows, breccia, tuff, and volcanic conglomerate with thin lenses of ash; thick hornblende bearing porphyritic andesitic to dacitic flows and breccia. Map symbol used is Tc.

Overlying the Clarno Formation is the Picture Gorge Basalt and is age dated as early to middle Miocene (age dated 12 to 23 million years ago).

Picture Gorge Basalts are flows of dark gray basalt - weathers to brown colors. The rock has prominent columnar jointing. Map symbol Tp.

Overlying the Picture Gorge Basalt is the Columbia River Basalt, undivided in stratigraphy. Age dated middle to late Miocene (10 to 20 million years ago). Map symbol Tcr.

Overlying the Columbia River Basalt is the Rattlesnake Formation. The formation consists of fanglomerates (heterogeneous materials as in an alluvial fan), and river gravels, also includes a prominent tuff flow. Age dated below the tuff member, middle Pliocene (4 million years ago) and above the tuff member early Pliestocene (2-3 million years ago). Map symbol is Tr.

Interpretations of the structure and the stratigraphy are not always clearly indicated. Since all of the Tertiary materials have been disturbed and affected by the structural folding and faulting movement, the structural changes had to occur after the materials were emplaced. Therefore, most probably, the beginning of folding of the structure of the John Day River Basin occurred during the Middle Pliocene time (age dated 4 million years ago). The deposition area in the study area is six plus miles wide. The geologic map and developed sections show the Rattlesnake Formation to underlay the present valley bottom for several hundreds of feet of depth and also have been deposited and exist on the valley walls to Elevations of 3500 feet or more. For this to occur would require the simultaneous deposition of materials within the synclinal valley as the valley walls were slowly folded upwards occurring over a long period of time.

The authors (Brown and Thayer) have indicated that the Rhyolite Tuff was formed by a single eruption (west in the Greater John Day Basin) and flowed up the John Day River Basin as a hot ash flow. As a hot ash flow it would have filled the valley and presumably stood at equal elevations on both valley walls where it cooled and solidified. Following emplacement of the tuff, continued folding of the synclinal structure would have disrupted the flow (broken the rigidity). The continued folding of the structure could account for the difference in elevation of the tuff member on opposite sides of the valley, as well as differences in elevation on the north side in Beech Creek. The authors have also assigned faulting as a reason for these differences in elevation.

Drainage: The John Day River Basin in the area of study has several tributary streams entering the John Day River. Two on the south valley wall are Ingle and Harper Creeks. These two streams have no consequence on the ground water study.

On the north valley wall, Beech Creek enters the John Day River valley at the location of Mt. Vernon and flows through the townsite to join the John Day River at the south edge of town. Beech Creek drains an area of approximately 100 square miles. Beech Creek extends north to near the crest of Black Butte Anticline, a river distance of 17 miles and also has a number of smaller tributaries, East Fork of Beech Creek (10.0 miles), and Little Beech Creek (7.0 miles). Maximum dimensions are east-west about 14 miles and north-south nearly 10 miles. The upper reaches of this drainage basin are in Picture Gorge Basalts and Columbia River Basalts. The lower reaches are in the older metamorphic rocks, the Clarno Formation rocks, and the Rattlesnake Formation gravels. Therefore Beech Creek is the principal or possibly the sole recharge source for water into the Clarno and Rattlesnake Formations.

3. MT. VERNON TOWNSITE GEOLOGY:

Location and Topography: Mt. Vernon is located in Sections 21 and 28, T13S, R30E, W.M. The townsite is outlined on the Mt. Vernon, Oregon Quadrangle Map dated 1972 and was photo revised in 1983. The townsite area is the NE1/4 and SE1/4SW1/4; the NW1/4 and SW1/4SE1/4; SW1/4NE1/4 in Section 21, and NE1/4 and SE1/4NW1/4; NE1/4SW1/4; NW1/4 and SW1/4NE1/4; NE1/4SE1/4 in Section 28. This is a total of 440 acres with a low elevation along the south edge of 2840 feet and a high elevation of 3200 feet along the northern boundary. The site area is 2640

feet in width in a east-west direction and 7,920 feet in length in a north-south direction, and crosses the valley floor.

Materials: The land beneath the surface of Mt. Vernon is mapped as alluvium underlain by the Rattlesnake Formation. The alluvium is estimated to be in the order of 20 to 30 feet in depth. This is based on well log records of wells located in the valley bottom. Specifically these are the Lemons Well, NE1/4NW1/4, Section 28 and the Hines Well, NE1/4NE1/4, Section 28. Beneath the alluvium the total depth of the Rattlesnake Formation is unknown. It is judged to be in the order of 500 feet or more based on the materials in Mt. Vernon City Wells Nos. 1 and 2 and the recently drilled City Well (City Well No. 4). This opinion is also stated by the authors (Brown and Thayer) in their historic discussion of the time period "Middle Pliocene to Recent", in the publication QG-548. A copy is included, see Appendix No. 2.

Geological Interpretation: The general area of the ground water study is divided into three segments for ease of discussion. These are the south valley wall, the north valley wall, and the valley bottom. (See Figure No. 1.)

South Valley Wall: This surface area is geologically mapped as Rattlesnake Formation, overlying Triassic, metamorphic rocks. No known water wells of record were found in this area. Because of no known wells of record, and because of the rock types underlying the Rattlesnake Formation, this area was not given additional consideration.

North Valley Wall: The surface area is geologically mapped as Picture Gorge Basalt and Rattlesnake Formation, downstream of Beech Creek. In the drainage

basin of Beech Creek and upstream the materials are Rattlesnake Formation; Picture Gorge Basalt, Clarno Formation, and a limited area of older metamorphic rocks.

On the north valley wall, above the 3500 to 3700 elevation, the surface is mapped as Picture Gorge Basalt. Although this area is 1.5 or more miles distance from Mt. Vernon, the basalts are known sources for aquifers. The basalt area was researched for water wells of record and only one water well was found. The well is located in SW1/4NE1/4, Section 6, T13S, R30E. When plotted on the Quad map the well has a collar elevation of 3800 feet and was drilled 325 feet deep. There were no prominent aquifers encountered. A basalt flow contact at depth 35 feet produced 5 gpm. This well, although it may not be completely representative, does eliminate the Picture Gorge Basalts from further study. Log of the well is included in the well log file which is enclosed.

In the area mapped as Rattlesnake Formation, a well was drilled in the NE1/4SW1/4, Section 18, T13S, R30E. This location has an estimated collar elevation of 3300 feet. The well was drilled to a depth of 120 feet. Rattlesnake Formation materials were logged as a light brown, medium hard clay to depth 54 feet and light brown sand and gravel to 120 feet. The static water level was 25 feet, however, the yield was limited to 4 gpm and would probably only yield that quantity for a short period of time. The log record is enclosed in the well log file.

In the drainage area of Beech Creek, and in an area mapped as Clarno Formation, a well was drilled at NE1/4SE1/4, Section 15, T13S, R30E. This location has a collar elevation of 3000 feet. The materials penetrated consisted of 0.0 to 26

feet, light brown clay; 26 to 172 feet, a light brown clay and sand; 172 to 345 feet, a light gray clay with fine, multi-colored gravels. The static water level was 45 feet and the well yielded 3 gpm. The well was backfilled with concrete. The log record is enclosed in the well log file.

These three wells constitute the subsurface data known relative to the north valley wall. There is not any evidence to suggest a location for drilling an exploratory well. Within the mapped basalt areas there exists several mapped springs. Spring areas were not given any consideration.

Valley Bottom: As indicated in the regional geology discussion, the valley bottom has a slope from north to south. On the north side, the valley bottom is mapped at elevations approximately 2870 to 2880 feet, while on the south side the elevation is 2840 feet.

City Well No. 1, NW1/4NE1/4, Section 28, has a collar elevation of approximately 2860 feet and has an estimated depth of 715 feet. The well does not have a log record filed with the Water Resources Department. The well was in existence prior to registration legislation of 1955. Why or how it was not registered is unknown. The well presently has a yield of 74 gpm with an unknown drawdown.

City Well No. 2, located in SE1/4SW1/4, Section 21, has a collar elevation estimated at 2960 feet. The well has a depth of 470 feet. A careful reading of the log record indicates that the well was drilled using cable tools during 1959 to 1960. The log record indicates that the materials penetrated were principally sedimentary and

were impermeable with the exception of limited short depths in the boring. The materials are described as hard pan, packed clay, cemented sand and gravel, which generally all agree with the general description of the Rattlesnake Formation. The log record listed the following depth that encountered water as:

99-103 feet - gravel and small crushed or cubed basalt
123 feet - gravel
230-240 feet - cemented gravel
270-276 feet - cemented gravel
350-365 feet - gray cemented gravel, hard.

The above depths for aquifers did not show a change in S.W.L. The indication is that the boring stood open during drilling because the 10-inch diameter casing was installed after drilling. The casing was perforated using a cutting torch. The slots were 6-inches in length; 3/16-inch in width and 2 or 3 slots per foot. The casing is perforated from 100 to 240 feet. The pump test data is not clearly readable. The log static water level was 92 feet with an initial yield of 193 gpm which had a drawdown of 107 feet. The log doesn't record where the test pump was set, or what type test pump, or how the water discharge was measured.

The well was extended in depth in February 1962. No reason was given for the extension or rehabilitation. The well was deepened from 363 feet to 470 feet by the same driller. The materials penetrated were classified as cemented gravels, layers of clay, layers of cobbles (5 inches in diameter). The log does not indicate or show any additional water sources. The pump test data written on the log sheet is not clearly readable. It says 404 feet of submersible pump in the well. The static water

level is recorded as 90 feet. The yield is stated at 100 gpm gradually decreased to 60 gpm. The well was presumably pumped at that rate for 4 (?) days.

The recently completed contract well (City Well No. 4) is located in SE1/4SW1/4, Section 21. The well has an estimated collar elevation of 2965± feet and is located a short distance upslope from City Well No. 2. The well was drilled using an air rotary drill. On 19 October 1993, the contractor started drilling at 9:00 a.m. and drilled to 65 feet and set a temporary 10-inch casing in the hole. He continued drilling the hole with an 8-inch bit and drilled to 500 feet by 4:50 p.m. He pulled all drill steel, so as to be able to install casing the next day. On 22 October 1993 the contractor set 8-inch diameter casing to 406 feet. The casing refused to go any deeper. On 2 November 1993, the contractor drove the 8-inch casing to 505 feet and drilled to a depth of 550 feet. The materials penetrated are logged on the final log record as green and black basalt, broken. There are no samples of materials for this depth. Final well depth on the log is 575 feet, and the static water level on 4 November 1993 is given as 93 feet. The pump test data is not shown on the final log.

The pump test was run on 10 November 1993 and the data taken from the 24 November 1993 report by Ferguson-Surveying and Engineering. The 8-inch casing had a stick up of 2.5 feet above the ground surface, and hence a static water level depth of 95 feet was recorded with the air line depth 483 feet to the top of pump and 490 feet to bottom of pump. No data on pump type or size of riser pipe was given.

The test was started at 8:35 a.m. at 60 gpm, which rate, slowly unwatered the well, being pumped down to 448 feet at 10:45 a.m. The pump was shut off and the

well was allowed to recover until 12:46 p.m. to a static water level of 97.3 feet. The pump was restarted at that time, at a rate of 50 gpm and slowly pumped down to a pumping level of 397 feet at 4:56 p.m., without becoming stabilized.

The contractor, during well construction, took samples of materials penetrated every 10 feet in depth. The samples were saved in plastic zip-lock bags. All of the samples above 80 feet depth were fine-grained. Samples below 145 feet show gravel materials. The amount or percentage of fine-grained materials in these lower samples is not stated.

A comparison of the City Well No. 2 and the 1993 contract well indicates very little difference. The static water levels are the same, and the yield has shown to be the same, as approximately 50 gpm or less.

Interpretation: (Valley bottom continued) A series of irrigation and domestic water exists along the north border of the alluvium in Sections 20 and 21. These are Pierre Jones Wells No. 1, 2 and 3; Mary McHern well; Thompson well; and Sprual well.

It is considered reasonable that these wells are drilled into the same aquifer contained and confined in the Rattlesnake Formation. It is further considered reasonable that this aquifer is the aquifer or water source in City Well No. 2 and the recent contract well, and that the recharge source for the aquifer is Beech Creek, a perennial stream.

By plotting the wells as designated for location on the log record sheets and by reading the plotted location for elevation, and measuring the map for distance, the

structure of the aquifer can be approximately determined. This was accomplished for these wells and determined to be 1 degree 10 minutes in a direction of due west. (See Figure No. 1)

It is considered reasonable to postulate this aquifer as having been deposited from a stream source (Beech Creek) that the materials would have been spread as a fan, with a radial shape. Therefore, it is considered reasonable to take a section north-south through Jones No. 1 well to Lemons well. (See Figure No. 1) Such a section would demonstrate that the aquifer is nearly horizontal, being 0 degrees 33 minutes of slope. The Jones NO. 1 well, collar elevation 3000 feet, encountered sand at depth 198 (Elevation 2802) which was the first water encountered and is the top depth of the aquifer. The water rose in the hole to a depth of 92 feet and thus is under 106 feet of head. Bottom aquifer depth is uncertain; the log shows a change at depth 242 (Elevation 2758).

The Lemons well, collar elevation 2840± feet, encountered sand and gravel at a depth of 72 feet, Elevation 2768, and was the first water encountered in the hole and is the top of the aquifer. The water rose in the hole to a depth of 10 feet and thus is under 62 feet of head. The well was drilled to 100 feet but does not show a materials change, so the well ended in the aquifer.

These two wells are 3500 feet apart and the top elevations of the aquifer are 34 feet difference in elevation. Tangent of the angle is vertical depth over horizontal distance, which is decimal number 0.0097 converted to degrees is 0 degrees 33 minutes.

In both water wells, the aquifer is overlain by 40 feet or more of clay. I believe this demonstrates the geological structure of the Rattlesnake Formation, the type of aquifer, and the source of recharge. Neither well has a recorded pump test record. By measuring the Jones No. 1 well with the irrigation pump running and using pump design capacity, a yield to drawdown could be established. As an irrigation well it has been in use for 15 years. Similar measurements could be made on the Lemons well with the owner's permission.

Upstream of Mt. Vernon Townsite: (Valley Bottom) Three water wells exist in the valley bottom upstream of Mt. Vernon. These are the Holliday well located at NE1/4NE1/4, Section 27, in the State Highway Park, with a collar elevation of 2880 feet. The well is 151 feet deep and drilled in basalt rock. The area is mapped as Clarno Formation and Brown and Thayer measured a 15 degree dip to the northwest on a nearby rock outcrop. Holliday well has a recent pump test which indicated a yield of 200 gpm with 12 feet of drawdown. Holliday well log is enclosed in the well log file.

Approximately 3000 feet west, the Delano is located SE1/4SW1/4, Section 22 with a collar elevation of 2880 feet. Delano well is 208 feet deep and penetrated rock at a depth of 26 feet. This rock is also judged to be Clarno basalt. At a depth of 188 feet an interflow contact was a water bearing aquifer, estimated at 25 gpm, and a static water level elevation of 74 feet depth. This well is a domestic well and does not have a recorded pump test. Delano well log enclosed in the log file.

The third well is the Hines Lumber Company well located in the NE1/4NE1/4, Section 28, with an estimated collar elevation of 2850 feet. The Hines well was drilled 250 feet deep, and penetrated rock at a depth of 186 feet. This well had a bailer test of 40 gpm, however the casing was perforated in the alluvium depth (24 to 60 feet) and in the Rattlesnake depth (139 to 160 feet) so the yield cannot be properly assigned. The Hines well log is enclosed in the well log file.

Evaluation of this upstream area indicates that aquifers exist in the Clarno Formation basalt rock. However, the rock structure dips to the west indicating that the rock line declines quickly and the risk of finding the rock and an adequate aquifer is rather high. A suggested location for a well site would be the NW1/4NW1/4, Section 27. The criteria for drilling should be to encounter rock by a depth of 200 feet or discontinue the hole. Having encountered rock, a depth of 200 feet into rock should penetrate an aquifer. Total controlled depth of 400 feet, is judged as maximum.

4. RECOMMENDATION:

The estimated required water supply for the City of Mt. Vernon is 375 to 400 gpm. The number of wells required to meet this demand will vary based upon the type of well that is constructed and the yield of any individual well. It is not possible to accurately predict the amount of water any given well will produce as ground conditions do vary from point to point.

There are basically two types of wells that the City could construct. The first option would be to construct wells in the sedimentary aquifer that exists in the Rattlesnake Formation as a sand and gravel stratum confined at depth in the formation and under hydrostatic head (Wells A, B, and C, Figure No. 1). This is the first choice option in that the aquifer is in and adjacent to the City of Mt. Vernon, well depth is less, and several existing wells are constructed in this formation which have reasonable capacity. It is expected that wells constructed in the Rattlesnake Formation would produce from 75 to 120 gpm.

The second option would be to construct wells in the Clarno Formation, as a basalt formation, existing to the east of Mt. Vernon (Wells D, E and F, Figure No. 1). The probability of getting adequate well water from these wells is somewhat unknown and a higher risk than drilling in the Rattlesnake Formation. Wells drilled into Clarno could have a higher yield than wells drilled in the Rattlesnake wells, however.

It is recommended that either a permanent well or a test well (Well A) be constructed in the Rattlesnake Formation at or near the northeast corner NW1/4, NW1/4 of Section 28. This location is approximately located on the west boundary of Mt. Vernon near the east-west Highway 26. The depth of this well could range from 130 to 150 feet. Whether a test or permanent well is constructed will depend upon available funding. It is recommended that an 8-inch permanent casing be installed in the upper portion of the well and that a 6-inch well screen be installed in the lower portion of the

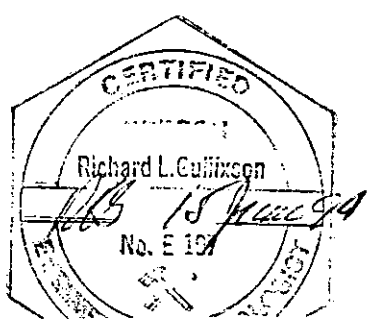
well where the water bearing formations are expected to exist. The ground surface in this area is generally estimated to be elevation 2830, and the aquifer is estimated to be elevation 2730. To facilitate development of the proposed well, it is suggested that the boring be drilled without casing until the aquifer is penetrated. This would allow for the identification of the aquifer materials so that proper well screens could be selected. The existing log records indicate the aquifer has a thickness of 30 to 40 feet. After Well No. A is constructed, it should be test pumped to determine the maximum sustainable yield and drawdown for at least 24 to 36 hours. Assuming that Well No. A proves to be successful, additional wells could be constructed by progressing in a westerly direction. The second well, Well B, should be located at the northwest corner of the NW1/4 NW1/4 Section 28. This is an approximate distance of 1300 feet from Well No. A. This distance is considered adequate to minimize the affect of drawdown between existing wells and other wells in the area. The depth of the second well should be on the order of 150 to 200 feet to penetrate the aquifer. A third well, Well C, would be of the same design and construction approximately 1300 feet further west of Well B. The number of wells required depends upon the yield characteristics of each well and recognizing some differences in permeability at each well site, the City demand would probably require three or more wells. If additional capacity over and above the three new wells were required, the City could consider rehabilitating City Well No. 1 or constructing a new well in the vicinity of Well No. 1 and abandoning Well No. 1. Recent pump tests have indicated that this well has a capacity of approximately 74 gpm. The amount of

drawdown required to sustain this yield is unknown and the actual construction of the well is unknown. Rehabilitation or reconstruction of this well should be considered.

Assuming that the initial wells (Wells A, B, or C) are unsatisfactory either because of little yield or change in geological structure, then the upstream area is considered as the second option for location of new wells located in the basalt rock. Possible well locations are D, E, and F, Figure No. 1. These wells would be constructed in the Clarno Formation, which is a basalt rock. It is expected that reasonable water could be developed in the basalt rocks but the depth of the wells and the yield is somewhat unknown at this time. The proposed first location, Well D, is located about 2640 feet east of the City boundary and south of Delano Well, about 500 to 600 feet. This location should penetrate the same rock sequence as the Delano Well and if drilled to a depth of 400 feet, more or less, should intersect one or two additional flow contacts. The second well in the Clarno Formation, Well E, would be located approximately 3760 feet east of the City limits and would be constructed to a depth of approximately 400 feet. This well would penetrate an estimated three or more basalt flow contacts, with a reasonable probability of a successful water well. The third basalt well, Well F, would be located 1000 feet west of the Holiday State Park Well, again a 400-foot well that would penetrate the same rock sequence as the Holiday Park Well. Based upon interpretive geological structure shown on Cross-Section A, Figure No. 1, the structure plotted is 15 degrees due west. This well is approximately 4800 feet east of the City boundary. An increased cost of well construction and water supply transmission piping would be required to construct

basalt wells. Hole size for the rock wells is suggested 10-inch upper casing, sealed into the basalt rock, and an 8-inch hole or 6-inch hole to the bottom depth with liner pipe as required.

It is recommended that the City pursue its existing water well permit application with the Oregon Water Resources Department for the construction of new wells. It is recommended that the existing application be modified to reflect the recommended location of the wells in the Rattlesnake Formation. A new permit for three new wells should be obtained and a water right permit for existing Well No. 1 should be acquired. Acquiring the necessary permits is a very important step in the overall development of new water supply wells to serve the City of Mt. Vernon. The process should be pursued diligently.



APPENDIX NO. 1

WATER RESOURCES DEPARTMENT
ADMINISTRATIVE RULES
CHAPTER 690
DIVISION 9
GROUND WATER INTERFERENCE WITH SURFACE WATER

Basis for regulatory authority and purpose

690-09-010 The right to reasonable control of the ground waters of the State of Oregon has been declared to belong to the public. Through the provisions of the Ground Water Act of 1955, ORS 537.505 to 537.795, the Water Resources Commission has been charged with administration of the rights of appropriation and use of the ground water resources of the state. These rules govern the use of ground waters, pursuant to ORS 537.730 and 537.775, where the ground water is hydraulically connected to, and the use interferes with, surface waters.

Definitions

690-09-020 (1) Confined aquifer: means an aquifer in which ground water is under sufficient hydrostatic head to rise above the bottom of the overlying confining bed, whether or not the water rises above land surface.

(2) Commission: means the Water Resources Commission.

(3) Confining bed: means a layer of low permeability material immediately overlying a confined aquifer.

(4) Department: means the Water Resources Department, and consists of the Director of the Department and all personnel employed in the Department including but not limited to all watermasters appointed under ORS 540.020 (ORS 536.039).

(5) Director: means the Water Resources Director.

(6) Hydraulic connection: means that water can move between a surface water source and an adjacent aquifer.

(7) Unconfined aquifer: means an aquifer in which the hydrostatic head at the upper surface of the ground water is atmospheric.

General Policy

690-09-030 The following rules establish criteria to guide the Department in making determinations whether wells have the potential to cause substantial interference with surface water supplies and in controlling such interference. The rules apply to all wells, as defined in ORS 537.515(7), and to all existing and proposed appropriations of ground water except the exempt uses under ORS 537.545. The authority under these rules may be locally superseded where more specific direction is provided by the Commission after the effective date of adoption of these rules.

(d) The ground water appropriation, if continued for a period of 30 days, would result in stream depletion greater than 25 percent of the rate of appropriation, if the point of appropriation is a horizontal distance less than one mile from the surface water source. Using the best available information, stream depletion shall be determined or estimated by the Department, employing at least one of the following methods:

(A) Suitable equations and graphical techniques that are described in pertinent publications (such as "Computation of Rate and Volume of Stream Depletion by Wells", by C.T. Jenkins, in: "Techniques of Water-Resources Investigations of the United States Geological Survey", Book 4, Chapter D1),

(B) A computer program or ground water model that is based on such or similar equations or techniques.

(5) Any wells, other than those covered in section (4) of this rule, that produce water from an aquifer that is determined to be hydraulically connected to the surface water source may be determined by the Department to have the potential to cause substantial interference with the surface water source. In making this determination, the Department shall consider at least the following factors:

(a) The potential for a reduction in streamflow or surface water supply, or

(b) The potential to impair or detrimentally affect the public interest as expressed by an applicable closure on surface water appropriation, minimum perennial streamflow, or instream water right with a senior priority date, or

(c) The percentage of the ground water appropriation that was, or would have become, surface water, or

(d) Whether the potential interference would be immediate or delayed, or

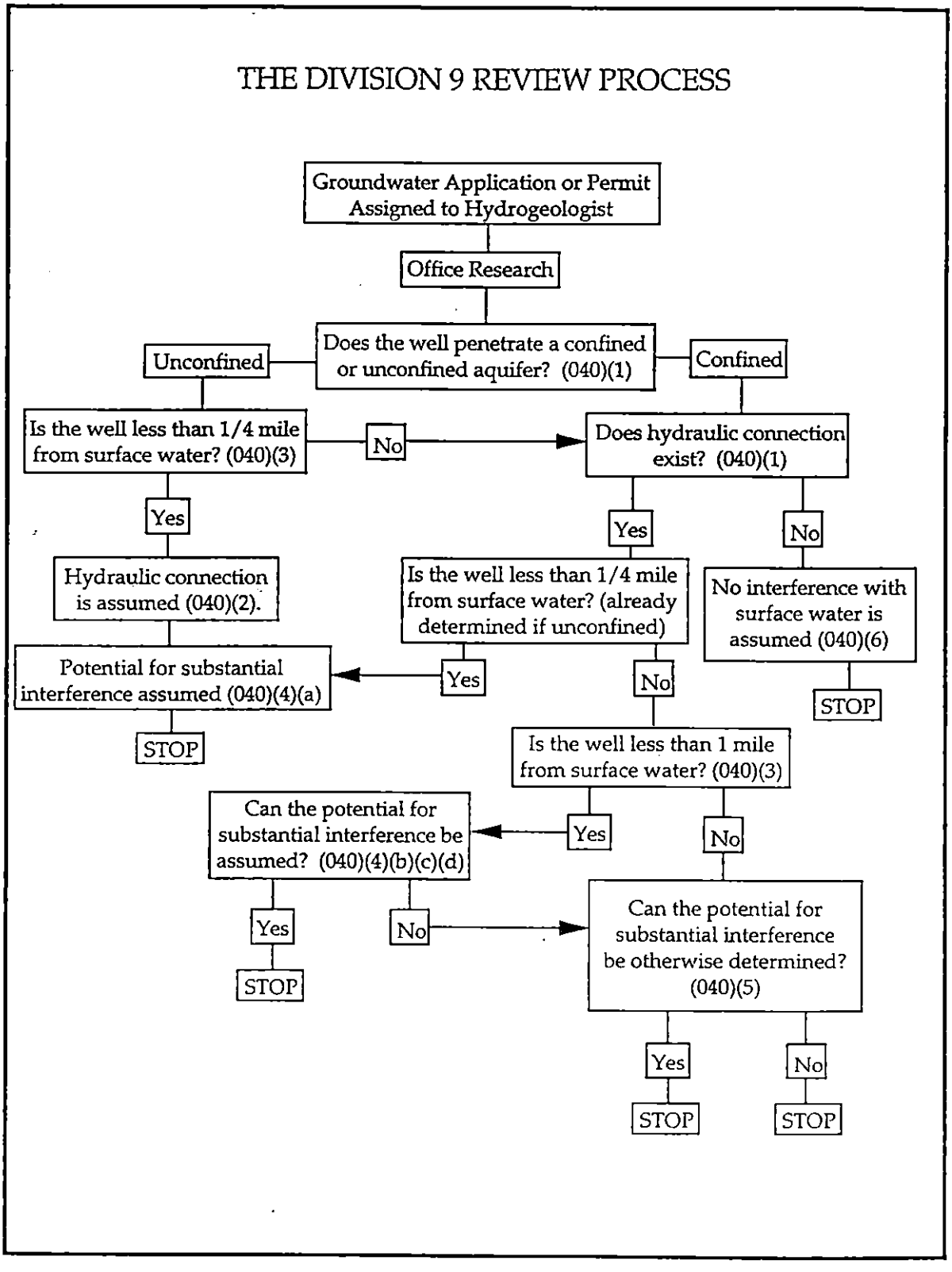
(e) The potential for a cumulative adverse impact on streamflow or surface water supply.

(6) All wells that produce water from an aquifer that is not hydraulically connected to a surface water source shall be assumed not to interfere with the surface water source.

Ground water controls

690-09-050 (1) The Department shall review existing ground water appropriations to determine the potential to cause substantial interference with a surface water source on a case by case basis, in accordance with OAR 690-09-040, whenever substantial interference with a surface water source is suspected to exist by the Department.

THE DIVISION 9 REVIEW PROCESS



APPENDIX NO. 2

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

TO ACCOMPANY MAP GQ-548

GEOLOGIC HISTORY OF THE MOUNT VERNON QUADRANGLE GRANTY COUNTY, OREGON

By

C. Ervin Brown and T. P. Thayer

The geologic history of the Mount Vernon quadrangle can be divided into four main episodes: pre-Late Triassic; Late Triassic(?) and Early Jurassic; Late Jurassic(?) and Early Cretaceous; and Tertiary and Quaternary.

Pre-Late Triassic sedimentation, volcanism, and orogeny

The Paleozoic rocks indicate major volcanism and rapid deposition of materials under marine conditions; complete gradations from massive pillow lava to hornblende schist, and comparable variations in sedimentary rocks document an episode of strong local dynamic metamorphism. The Paleozoic rocks have been intruded, and in places completely disrupted, by serpentinite of the Canyon Mountain Complex and by associated gabbro and quartz diorite. Most of the serpentinite is highly sheared and was moved plastically, mainly before deposition of Upper Triassic(?) rocks, but also as later diapiric intrusions into Upper Triassic(?) rocks. By Late Triassic time the Canyon Mountain Complex had been exposed to erosion, for its debris is found in sedimentary rocks of that age.

Late Triassic(?) and Early Jurassic volcanism, sedimentation, and tectonism

The rocks of the Aldrich Mountains Group (Brown and Thayer, 1966) attain a maximum composite thickness of at least 27,500 feet within the Mount Vernon quadrangle. Pillow lavas in the area northeast of the Aldrich Mountains fault, interlayered lava in the Fields Creek Formation in the Aldrich Mountain quadrangle (Thayer and Brown, 1966a) to the west, and great thicknesses of tuff and tuffaceous graywacke testify to major volcanic activity. The distribution of tuffs and lava flows suggests that the major volcanic centers were to the north.

Intermittent volcanism and tectonism accompanied by rapid and nearly continuous sedimentation produced complex stratigraphic and structural relations in the Aldrich Mountains. The series of related geologic events that occurred in Late Triassic(?) and Early Jurassic time can be divided into 4 major phases.

Phase 1 was dominated by deposition of the Fields Creek Formation which unconformably overlies rocks of pre-Late Triassic age 3 to 5 miles southeast of Mount Vernon and in the Aldrich Mountain quadrangle to the west. Volcanic eruptions during Phase 1 contributed much material to the sedimentary basin. In the Aldrich Mountain quadrangle the basal part of the Fields Creek includes interlayered basaltic pillow lavas and in the Mount Vernon quadrangle approximately the upper half of the formation is the andesitic Cinnabar Tuff Tongue.

Phase 2 was mainly a period of very rapid deposition of the Laycock Graywacke in a basin that was being folded and faulted. The events of Phase 2 were initiated by upward flexing of Fields Creek beds along the eastern margin of an uplifed landmass. The upturning of these beds, which are now in the west limb of the Packsaddle syncline, preceded development of the fold as a whole.

This initial uplift caused a major change in sedimentary environments evidenced in the transition from andesitic tuff of the Fields Creek to shale and graywacke of the Laycock. Minor erosion of the upturned slope and a westward feathering out of beds produced the abrupt pinchout of the Laycock Graywacke and the divergence of dips at the contact between these formations in the west limb of the Packsaddle syncline.

As deposition of the Laycock continued, the McClellan anticline rose and reverse movement on the Moon Creek fault occurred along the axis of the newly formed Packsaddle syncline. This fault cuts basal Laycock Graywacke, but appears to have been buried by slightly younger beds. The first major movement of the Aldrich Mountains fault also occurred at about this time. The mixed lithology of the conglomerates in the Laycock Graywacke in the northeast limb of the McClellan anticline was derived from two different sources: (1) very coarse bouldery debris of gabbroic and Paleozoic sedimentary, volcanic, and metamorphic rocks must have come from the hanging-wall block of the Aldrich Mountains fault to the north, but (2) well-rounded cobbly to pebbly mudstone conglomerates clearly were eroded from upturned parts of the Fields Creek Formation or similar Triassic(?) rocks to the west. On the northeast slopes of First and Second Peaks, the conglomerate seems to interfinger with the uppermost beds of the Cinnabar Tuff Tongue in the Fields Creek Formation. Thus "cannibalization" of the upturned beds of the Fields Creek was producing mudstone conglomerates in the basal Laycock Graywacke during the waning stages of volcanism that produced the Cinnabar Tuff Tongue of the Fields Creek Formation.

Deformation of the basin reached a peak of intensity when reverse faults were formed parallel to the axis of the northwest-trending folds. The McClellan Creek fault developed along the axial zone of the syncline paralleling the McClellan anticline on the northeast, and the Riley Creek horst is essentially the overturned limb of that syncline. The dropping of the wedge-

shaped block between the Cinnabar Mountain and Aldrich Mountains faults occurred in the late stages of this deformation. Filling this down-dropped part of the basin resulted in the very thick section of Laycock Graywacke in the southeastern part of the mapped area.

Volcanic eruptions contributed much debris to the Laycock Graywacke and were particularly important in the later stage of Phase 2 when the Ingle Tuff Tongue was laid down. Phase 2 closed with the dying out of volcanism, and the low areas caused by deformation were finally filled by the Laycock.

Phase 3 was a period of uniform deposition in a well-graded basin. The calcareous detrital rocks of the Murderers Creek Graywacke reflect an abrupt change in source material. The nearest present-day source of limestone is 35 miles or more to the southwest. Although the change to limestone debris was abrupt, a lens, a precursor of Murderers Creek lithology, is interfingered with upper Laycock Graywacke at Riley Creek Butte. Locally the change to Murderers Creek deposition was initiated by submarine slides that formed thick lenses containing limestone blocks in the basal beds, as at Ingle Rock.

After the uniform 2000-foot thick sheet of Murderers Creek was deposited, sedimentation continued with the laying down of tuffaceous noncalcareous beds of the Keller Creek Shale. The change of lithology indicates a different source of debris and reflects a resurgence of volcanism which continued intermittently into Middle Jurassic time (Dickinson and Vigrass, 1965).

Phase 4 was characterized by the development of the system of folds from the northeast-trending Keller Creek syncline east to the northwest-trending Fall Mountain syncline. Recurrent movement along the reverse Aldrich Mountains fault, totalling 12,000-15,000 feet, probably caused overturning of adjacent strata along its entire length. Movement along the fault ended to the west against the Cinnabar Mountain fault, which probably acted as a transverse sliding surface for the hanging-wall block.

Late Jurassic(?) and Early Cretaceous dioritic intrusions

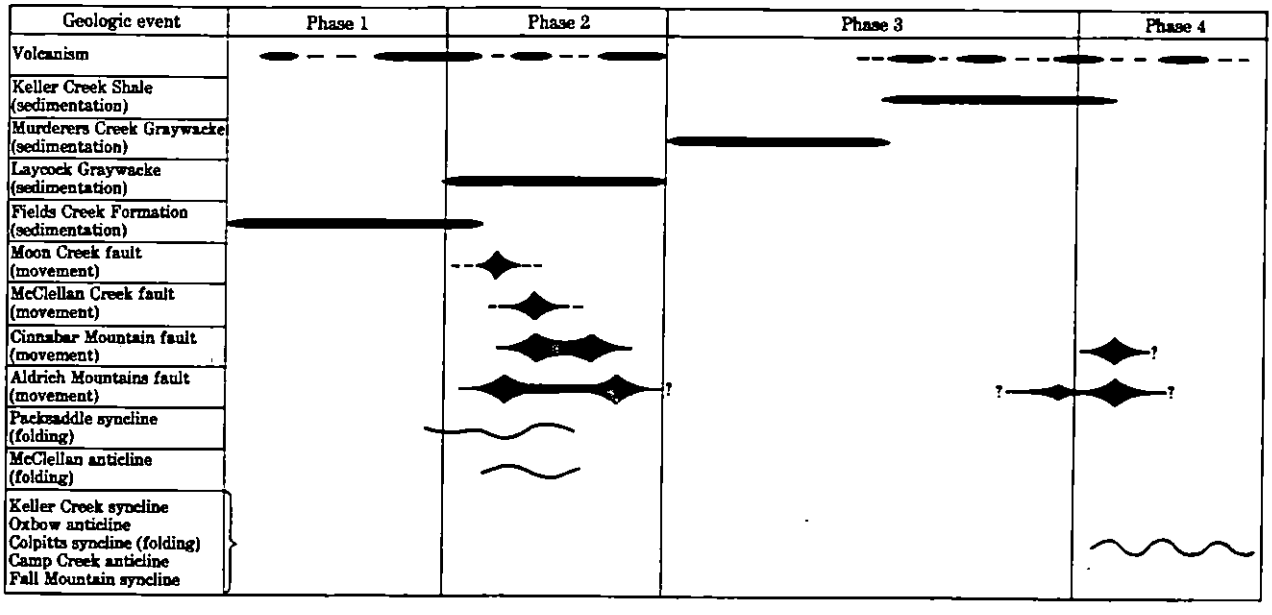
The sills, dikes, and stocks of dioritic rocks in the western part of the quadrangle were intruded in Late Jurassic(?) to Early Cretaceous time and are related to the Idaho batholith (Thayer and Brown, 1965).

The sharp unsheared contacts and well-defined textures of these rocks indicate intrusion of highly fluid magma into a stable environment. This contrasts markedly with the strong deformation that characterized the emplacement of the Canyon Mountain Complex (Thayer, 1963).

Tertiary and Quaternary volcanism, sedimentation, and tectonism

Eocene to early Miocene: During Eocene time basaltic to andesitic flows, volcanic ash, breccia, and conglomeratic mud flows of the Clarno Formation were piled up to thicknesses ranging from several hundred to a few thousand feet. An abundance of lava flows in the area east of Mount Vernon and their absence in the Aldrich Mountain quadrangle to the west (Thayer and Brown, 1966a) imply that the volcanic vents were a short distance to the northeast and east. The Clarno Formation was deposited on a rolling pre-Tertiary erosion surface that probably had at most a few hundred feet of local relief.

Between the end of Clarno volcanism and the first outpouring of Picture Gorge Basalt, the mapped area appears to have stood high. Deep lateritic soils like those on the Clarno Formation farther west (Waters and others, 1951; Hay, 1963) have not been found, nor is there evidence that the John Day Formation of Oligocene and Miocene age ever covered this area. The quadrangle is, therefore, just southeast of an ancient broad structural and topographic basin, the John Day Basin, which lasted from early Oligocene through early Pliocene time.



SEQUENCE OF VOLCANISM, SEDIMENTATION, AND TECTONISM IN THE MOUNT VERNON QUADRANGLE DURING LATE TRIASSIC AND EARLY JURASSIC TIME

Middle Miocene to middle Pliocene: The Picture Gorge Basalt piled up as a lava flood in the John Day Basin and lapped up against the mountains that rimmed it on the south and east. The Mascall Formation and rhyolitic facies of the Columbia River Group (Tcr) are believed to be stratigraphically equivalent products of late Miocene and early Pliocene rhyolitic and basaltic eruptions (Thayer and Brown, 1966b). The Mascall Formation consists mostly of ashy material and some gravel deposited on a broad, marshy flood plain that extended out into the John Day Basin, over the Picture Gorge Basalt. The interbedded rhyolitic units and basalt flows (Tcr) were probably near the edge of an active volcanic area from which debris-laden streams flowed.

The modern configuration of the area began to evolve during major folding and faulting in early Pliocene time. The Columbia River Group and older rocks were folded steeply under north-south compression to form the Aldrich Mountain anticline and a companion syncline on the north.

The John Day fault formed essentially as a steep reverse fault along the axis of the syncline during later stages of the folding. The complex system of faults north of the John Day River probably developed during the folding. The soft Mascall Formation was stripped off as folding progressed, and by the beginning of middle Pliocene time, only remnants of it were preserved in the bottom of the faulted syncline.

Middle Pliocene to Recent: The fanglomerates and gravels of the Rattlesnake Formation were deposited, under climatic conditions very similar to the present, along the sides of a broad valley which the ancestral John Day River followed westward to the present site of Picture Gorge, 27 miles west of Mount Vernon. The tuff member was presumably formed by a single eruption or closely related eruptions of rhyolite that flowed as hot ash up the John Day River valley. Exposures southeast of Dayville in the Aldrich Mountain quadrangle show that the tuff lies on at least 350 feet of gravel in places, and northwest of Mount Vernon where the tuff is below the valley floor, more than 500 feet of gravel lies on it. In the vicinity of Mount Vernon the tuff member has been tilted southwest about 5°, and differences in positions of outcrops north and south of the John Day River show that the tuff has been displaced vertically about 400 feet along the John Day fault. The total amount of dislocation of the base of the Rattlesnake Formation by folding and faulting, however, probably is at least 1,000 feet in places between Mount Vernon and Picture Gorge. Comparisons of the thicknesses of gravel above and below the tuff, and estimates of displacement along the John Day fault suggest that in the vicinity of Damon and Clark Creeks at the bottom of the downwarp, the base of the Rattlesnake Formation may be 600-800 feet below the present valley floor.

The last movement on the John Day fault and incision of the John Day River into its present narrow valley followed a considerable period of erosion, and probably occurred in middle Pleistocene time. North of the river the broad pediment surface cut on the Rattlesnake Formation extends northward a mile or more across bevelled basalt flows. Comparable physiographic relations are found between the Rattlesnake and pre-Upper Triassic rocks south of the river, but the pediment remnants are higher and have been reduced to narrow ridges. In short, the pediment surfaces on the two sides of the valley differ in altitude by 250 to 300 feet. The greater dissection south of the river indicates erosion of the raised block while the northern block was still graded to the John Day River. The post-Rattlesnake movement on the fault died out about at the west edge of the quadrangle. Discovery of skeletons of Equus and Elephas primigenius (Mammoth) near Mount Vernon "...in an alluvial deposit not much above the level of the river" (Merriam, 1901, p. 313) dates the major trenching of the John Day River as pre-Wisconsin.

Ground Water Resources in the John Day Valley

Ground water in the John Day River valley is important as the main source of uncontaminated domestic water and a supplemental water supply for irrigation.

Wells drilled in serpentine in the vicinity of Canyon City, about 2 miles east of the mapped area, have been uniformly unproductive. Because of its highly sheared, "pasty" nature, serpentine probably is the least favorable local reservoir rock for ground water. Similarly the Paleozoic metavolcanic rocks and those of the Aldrich Mountains Group are, except where jointed, nearly as impermeable as serpentine. The favorable rocks, in addition to gravels on the valley floor, are the Rattlesnake Formation, the Picture Gorge Basalt and, possibly, the Clarno Formation.

The rubbly permeable zones at the tops of flows in the Picture Gorge Basalt are good aquifers and as a rule can be expected to yield about 1 gallon of water per minute (gpm) per foot of hole below the water table at a drawdown of 50-100 feet (Newcomb, 1961, p. A-2). For example, the 12-inch well at the John Day city hall (city well no. 1) 8 miles east of Mount Vernon, is 240 feet deep in basalt and yields 210 gpm with 185 feet of drawdown (John Day Water Department, oral communication, 1961).

The deformation of the basalt has produced important structural traps for ground water. The John Day fault and the southward-dipping rocks in the down-thrown block to the north together form a major structural reservoir (Newcomb, 1961, p. A6). John Day city well No. 2, drilled in basalt and rhyolite breccia of the Columbia River Group, is located approximately 1,500 feet north of the fault. The well was drilled to 310 feet and cased with 12-inch casing. During a test in 1953, it had an artesian flow of 100 gpm, and at a drawdown of 180 feet yielded 320 gpm (John Day Water Department, oral communication, 1961). Another well drilled east of No. 2 in 1963 in the same geologic situation also has strong artesian flow (Newcomb, written communication, 1965). In contrast, a 715-foot well located about 1,000 feet southeast of the center of Mount Vernon was nearly dry. The driller's report indicated "clay, hard nodules in soft clay, buttery clays..." (Newcomb, written communication, 1964). Cuttings from this well were examined by Thayer and interpreted as gouge and breccia in the John Day fault zone. This well and the John Day city well No. 2 show that artesian flow is possible from wells in basalt north of the John Day fault but not in it. West of Mount Vernon and north of the John Day

fault the tuff member and gravelly beds in the Rattlesnake Formation also might yield artesian flows (see section A-A').

Because of the importance of the John Day fault to the production of ground water, it should be emphasized that its trace is concealed by alluvium at most places. The mapped location of the fault is inferred from exposures less than a mile west of the Mount Vernon quadrangle, from the well southeast of Mount Vernon, and from exposures in the vicinity of John Day.

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APPENDIX NO. 3

LIST OF WELL LOGS

1.	McHern	SE1/4NE1/4, Section 20
2.	Jones, Well No. 3	SE1/4NE1/4, Section 20
3.	Jones, Well No. 2	NW1/4SW1/4, Section 21
4.	Jones, Well No. 1	NE1/4SW1/4, Section 21
5.	Mt. Vernon, Contract Well Well No. 4	SE1/4SW1/4, Section 21
6.	Mt. Vernon, Well No. 2	SE1/4SW1/4, Section 21
7.	Lemons	SW1/4SE1/4, Section 28
8.	Mt. Vernon, Well No. 1	NW1/4NE1/4, Section 28
9.	Hines	NE1/4NE1/4, Section 28
10.	Delano	SE1/4SW1/4, Section 22
11.	Holliday	NE1/4NE1/4, Section 27
12.	Sprual	SE1/4SW1/4, Section 20
13.	Thompson	SE1/4NE1/4, Section 20
14.	Martin	SW1/4NE1/4, Section 6, T13S, R30E.W.M.
15.	Falcon	NE1/4SW1/4, Section 8
16.	Kilpatrick	NE1/4SE1/4, Section 15



NO. 1

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

GRAN 684

RECEIVED
NOV 19 1993
WATER RESOURCES DEPT
SALEM, OREGON

Collar Elev. 2957

13S/30E/20

(START CARD) # 48696

(1) OWNER:
Well Number
Name Mrs Mary McKern
Address RT 1 Box 20
City Mt. Vernon State Or Zip 97865

(2) TYPE OF WORK:
☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 244 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	0	29'	Portland	0	29'	17 Sacks
			Type II			
			Cement			
6"	29'	244				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1'	29'	250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	5"	-4	244	188	☒	☐	☒	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☒ Perforations Method Mill Knife
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
184	244	1/4x4	720	5"		☐	☒
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
60	0	~~200~~ 240	1 hr.

Temperature of Water 61 Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

(9) LOCATION OF WELL by legal description:
County Grant Latitude Longitude
Township 13 N or ☐ Range 30 ☐ or W. WM.
Section 20 SE ¼ NE ¼
Tax Lot Lot Block Subdivision
Street Address of Well (or nearest address) 1 1/4 west of Mt. Vernon Or.

(10) STATIC WATER LEVEL:
58 ft. below land surface. Date 10-27-9
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 183

From	To	Estimated Flow Rate	SWL
183	244	60	58

(12) WELL LOG:
Ground elevation

Material	From	To	SWL
top soil Brown	0	1	
clay conglomerate with Boulders tan Med Hard	1	12	
clay conglomerate with small gravel tan Hard	12	183	
Sand and gravel tan Water Bearing	183	244	

Date started 10-26-93 Completed 10-27-93

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Material used and information reported above are true to my best knowledge and belief.

WWC Number [redacted]

Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1606

Collar Elev. 2900±

NO. 2

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

WATER RESOURCES DEPARTMENT
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 13S/3DE-2

State Permit No.

(1) OWNER:

Name Pierre Jones

Address Mt. Vernon 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 ☐

(5) CASING INSTALLED:

Threaded ☐ Welded ☒

6" Diam. from +1 ft. to -92 ft. Gage .250

" Diam. from ft. to ft. Gage

" Diam. from ft. to ft. Gage

(6) PERFORATIONS:

Perforated? ☐ Yes ☒ No.

Type of perforator used

Size of perforations in. by in.

perforations from ft. to ft.

perforations from ft. to ft.

perforations from ft. to ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☒ No

Manufacturer's Name

Type Model No.

Diam. Slot size Set from ft. to ft.

Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

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

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

" " " "

Air Test 150 GPM 69 "

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

Artesian flow g.p.m.

Temperature of water 53 Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used Cement

Well sealed from land surface to 25 ft.

Diameter of well bore to bottom of seal 10" in.

Diameter of well bore below seal 6" in.

Number of sacks of cement used in well seal 11 sacks

How was cement grout placed? Poured

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:

(10) LOCATION OF WELL:

County Grant Driller's well number 3

S.E. ¼ NE ¼ Section 20 T 13S R 30E W

Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 118

Static level 101 ft. below land surface. Date 3-17-

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 6"

Depth drilled 190 ft. Depth of completed well 190

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 str

MATERIAL	From	To	SW
Clay & Boulders	0	38	
Clay & Gravel	38	75	
Brown Clay Stone Chard	75	118	
Brown Clay Stone & Gravel	118	125	60
Brown Clay Stone	125	185	
Gravel	185	190	10

Work started 3-16-78 19 Completed 3-17-78 19

Date well drilling machine moved off of well 3-17-78 19

Drilling Machine Operator's Certification:

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

[Signed] John Van Swell (Drilling Machine Operator) Date 3-25-78 19.

Drilling Machine Operator's License No. 1027

Water Well Contractor's Certification:

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

Name BLUE MT. WELL DRILLING (Person, firm or corporation) (Type or print)

Address Box 233 Fossil, Ore.

[Signed] Tom Landmeier (Water Well Contractor)

Collar Elev 2920 ±

NO. 3

[illegible] are to be filed with the

WATER RESOURCES DEPARTMENT
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. 13S/30E-21

MAR 30 1978

State Permit No. .....

(1) OWNER:
Name Pierre Jones
Address NT Vernon 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 ☐

(5) CASING INSTALLED: Threaded ☐ Welded ☒
6 " Diam from +1 ft. to -180 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam from ft. to ft. Gage

(6) PERFORATIONS: Perforated? ☐ Yes ☒ No.
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
Air Test 150 GPM 99 " "
Bailer test gal./min. with ft. drawdown after 1 hrs.
Artesian flow g.p.m.
Temperature of water 52 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 41' ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 6" in.
Number of sacks of cement used in well seal 18 sacks
How was cement grout placed? Poured
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

(10) LOCATION OF WELL:
County Grant Driller's well number 2
NW ¼ SW ¼ Section 21 T. 13S R. 30E W
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 55
Static level 81 ft. below land surface. Date 3-15-
Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing 6"
Depth drilled 195 ft. Depth of completed well 195

Formation: Describe color, texture, grain size and structure of materia 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
Clay & Gravel	0	36	
Brown Clay stone (Hard)	36	55	
Black Basalt & Clay	55	75	WB
Brown Clay stone	75	172	
Brown Gravel WB	172	195	81

Work started 3-14 1978 Completed 3-15-78 19
Date well drilling machine moved off of well 3-16-78 19

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] John Van Sandt Date 3-25, 1978
(Drilling Machine Operator)
Drilling Machine Operator's License No. 1027

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report true to the best of my knowledge and belief.
Name BLUE MT. WELL DRILLING
(Person, firm or corporation) (Type or print)
Address BOX 233 Fossil, ORE.
[Signed] Tom Landman

Collar Elev. 3000'±

NO. 4

The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, 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. 13S/30E-2

MAR 30 1978 State Permit No. .....

WATER RESOURCES DEPT. STATE OF OREGON

(1) OWNER:

Name Pierre Jones

Address MT. VERNON OREGON

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

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

(4) PROPOSED USE (check):

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

(5) CASING INSTALLED:

Threaded ☐ Welded ☒

6 " Diam. from +1 ft. to 242 ft. Gage .250

" Diam. from ft. to ft. Gage

" Diam. from ft. to ft. Gage

(6) PERFORATIONS:

Perforated? ☐ Yes ☒ No

Type of perforator used

Size of perforations in. by in.

perforations from ft. to ft.

perforations from ft. to ft.

perforations from ft. to ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☒ No

Manufacturer's Name

Type Model No.

Diam. Slot size Set from ft. to ft.

Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

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

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

" " " "

" Air Test - 100 GPM - 198 "

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

Artesian flow g.p.m.

Temperature of water 52 Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used Cement

Well sealed from land surface to 20 ft.

Diameter of well bore to bottom of seal 10 in.

Diameter of well bore below seal 6 in.

Number of sacks of cement used in well seal 7 sacks

How was cement grout placed? Poured

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?

(10) LOCATION OF WELL:

County CROOK Driller's well number 1

NE ¼ SW ¼ Section 21 T. 13S R. 30 W

Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 198

Static level 92 ft. below land surface. Date 3-1-7

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 6"

Depth drilled 290 ft. Depth of completed well 290

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

MATERIAL	From	To	SW
Topsoil	0	1	
Broken Basalt & Clay	1	48	
Brown Clay	48	198	?
Sand - Broken Rock	198	242	
Brown Rock (Med)	242	290	

Work started 2-27 1978 Completed 3-3-78 19

Date well drilling machine moved off of well 3-6-78 19

Drilling Machine Operator's Certification:

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

[Signed] (Drilling Machine Operator) Date 3-25 19

Drilling Machine Operator's License No. 1027

Water Well Contractor's Certification:

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

Name BLUE MT. WELL DRILLING (Person, firm or corporation) (Type or print)

Address Box 233 Fossil, ORE.

[Signed]

NO. 5

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

DEC - 9 1993
WATER RESOURCES DEPT.
SALEM, OREGON

GRAN 689

13S/30E/21

(START CARD) # 53420

(1) OWNER: Well Number
Name City of Mt. Vernon
Address P.O. Box 647, 199 West Main
City Mt. Vernon State OR Zip 97865

(2) TYPE OF WORK:
☑ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD:
☑ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☐ Domestic ☑ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☑ No Depth of Completed Well 575 ft.
Explosives used ☐ Yes ☑ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
12"	0	65	Cement	0	65	46 sacks
8"	65	575				

How was seal placed: Method ☐ A ☐ B ☑ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	8"	+3	504	.250	☑	☐	☑	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) 504

(7) PERFORATIONS/SCREENS:
☑ Perforations Method Holt perforator
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
148	170	1/4"x1 1/2"	4 rows	-		☑	☐
						☐	☐
400	500	1/4"x1 1/2"	4 rows	-		☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☑ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
150		575	1 hr.

Temperature of Water 58° Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little

(9) LOCATION OF WELL by legal description:
County Grant Latitude Longitude
Township 13S N or S. Range 30E E or W. WM
Section 21 SE ¼ SW ¼
Tax Lot 503 Lot Block Subdivision
Street Address of Well (or nearest address) 450 Highland Dr
Mt. Vernon, OR 97865

(10) STATIC WATER LEVEL:
93 ft. below land surface. Date 11-4-
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 148

From	To	Estimated Flow Rate	SW
148	170	100	9
445	498	50	9

(12) WELL LOG:
Ground elevation

Material	From	To	SW
Clay soil	0	1	
Brown clay with rocks	1	29	
Brown basalt	29	62	
Yellow sandy claystone	62	148	
Gravel with green clay	148	170	w
Brown clay with cemented gravel	170	328	
Broken basalt with thin layers of clay	328	445	
Black basalt, broken	445	498	w
Green & black basalt, broken	498	575	

Date started 10-19-93 Completed 11-4-93

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abar ment of this well is in compliance with Oregon well construction standards. Mat used and information reported above are true to my best knowledge and belief

WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work formed on this well during the construction dates reported above. All work perfo during this time is in compliance with Oregon well construction standards. This r is true to the best of my knowledge and belief

NO. 6

City well No 2

Collar Elev. 2861

ORIGINAL
File Original, and Duplicate with the STATE ENGINEER, SALEM, OREGON

WATER WELL DRILLERS REPORT
STATE OF OREGON G/64D

Do Not Fill In State Well No. 13/30 - 21P
State Permit No.

(1) OWNER:
Name City of Mt. Vernon
Address Mt. Vernon, Ore

(2) LOCATION OF WELL:
County Grant Owner's number, if any—
R. F. D. or Street No.
Bearing and distance from section or subdivision corner
Sec. 21 T 13 S R 30 E W. M.
1141 ft N & 229 ft W
from S¼ Cor. Sec 21

(3) TYPE OF WORK (check):
New well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☐
Cable ☑
Dug Well ☐

(6) CASING INSTALLED:
Threaded ☐ Welded ☐

FROM	ft. to	ft.	Diam.	Gage or Wall
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"

Type and size of shoe or well ring
Describe joint

If gravel packed

Diameter of Bore	from ft.	to ft.
	"	"
	"	"
	"	"
	"	"
	"	"

Size of gravel:

(7) PERFORATIONS:
Type of perforator used

Size of perforations	in., length. by	in.
FROM ft. to ft.	perf per foot	No. of rows
" " "	" " "	" " "
" " "	" " "	" " "
" " "	" " "	" " "
" " "	" " "	" " "

SCREENS:
Give Manufacturer's Name, Model No. and Size

(8) CONSTRUCTION:
Was a surface sanitary seal provided? ☐ Yes ☐ No To what depth ft.
Were any strata sealed against pollution? ☐ Yes ☐ No
If yes, note depth of strata

FROM	ft. to	ft.
"	"	"

METHOD OF SEALING

(9) WATER LEVELS:
Depth at which water was first found 99 & 103 ft.
Standing level before perforating ft.
Standing level after perforating ft.
Log Accepted by: [illegible] Dated Feb. 1960

(10) WELL TESTS:
Was a pump test made? ☐ Yes ☐ No If yes, by whom?

Yield:	gal./min. with	ft. draw down after	hrs
"	"	"	"
"	"	"	"

Artesian flow ..... g.p.m.
Shut-in pressure ..... lbs. per square inch.
Bailer test ..... g.p.m. with ..... ft. drawdown
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No
Was electric log made of well? ☐ Yes ☐ No

(11) WELL LOG:
Diameter of well, 10 inches.
Total depth 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

0 ft. to 4 ft. Top soil & Brown
4 " 12 " Light Brown with gravel
12 " 16 " Brown Hard some bolders
16 " 23 " Brown Hard
23 " 35 " Brown Hard Pan - open hole
35 " 57 " Brown Hard, Hard pan
57 " 65 " Cemented Gravel, little gravel
65 " 90 " Gravel packed Clay little sand
90 " 99 " packed Clay & gravel little sand
First water at, 99 - to 103 ft.
99 " 103 " gravel & some Cobble Basalt
Also - some quartz & one small piece of Petrified Flint Rock
103 123 " Brown Hard sand-stone
At -123 first - Water strata -
123 " 125 " gravel Coarse some cobble
125 " 135 " Cemented gravel, Hard -
135 " 137 " Cemented Gravel, Hard -
137 " 150 " Blue Basalt Rock Broken some
150 " 160 " Blue Basalt Broken some
160 " 175 " Blue = = = = = =
175 " 182 " Gray Cemented Gravel
182 " 195 " packed Clay & little gravel
195 " 199 " = = = = = =
199 " 210 " Gray Cemented gravel
210 " 213 " = = = = =
213 " 230 " Brown Clay & little gravel
" "

Ground elevation at well site ..... feet above mean sea level
Work started Nov. 21 19 59 Completed 19

Well Driller's Statement:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Rudd W. Davis
(Person, firm, or corporation) (Typed or printed)
Address Box 145 Prairie City, Ore
Driller's well number
[Signed] Rudd W. Davis (Well Driller)
1-60

NO. 6

ORIGINAL
File Original, and Duplicate with the STATE ENGINEER, SALEM, OREGON

City Well
2. Report

WATER WELL DRILLERS REPORT
STATE OF OREGON

Do Not Fill In — State Well No. 13/30-21P
State Permit No.

(1) OWNER:
Name City of Mt Vernon
Address Mt. Vernon, Ore.

(2) LOCATION OF WELL:
County Grant — Owner's number, if any—
R. F. D. or Street No.
Bearing and distance from section or subdivision corner

TYPE OF WORK (check):
New well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
mestic ☐ Industrial ☐ Municipal ☐
gation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☐
Cable ☑
Dug Well ☐

(6) CASING INSTALLED:
Threaded ☐ Welded ☑

FROM	ft. to	ft.	Diam.	Gage or Wall
" 0	" 246	" 10"		279
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"

If gravel packed

Diameter of Bore	from ft.	to ft.
	"	"
	"	"
	"	"
	"	"
	"	"

Type and size of shoe or well ring
Size of gravel:
Describe joint Clayton Mark 10 in

(7) PERFORATIONS:
Type of perforator used Cut with welding machine
SIZE of perforations 6 - high in., length, by 3/16 in.

FROM	ft. to	ft.	perf per foot	No. of rows
100	" 240	" Gale. son 3. 2 rein	on ft	"
"	"	"	" " "	" " "
"	"	"	" " "	" " "

SCREENS:
Give Manufacturer's Name, Model No. and Size

(8) CONSTRUCTION:
Was a surface sanitary seal provided? ☑ Yes ☐ No To what depth ft.
Were any strata sealed against pollution? ☐ Yes ☐ No
If yes, note depth of strata

FROM	ft. to	ft.
"	"	"

METHOD OF SEALING

(9) WATER LEVELS:
Depth at which water was first found ft.
Standing level before perforating 92 ft.
Standing level after perforating 90 ft.
Log Accepted by:
[Signed] ... Dated ... 19..

(10) WELL TESTS:
Was a pump test made? ☑ Yes ☐ No If yes, by whom 92.8
Yield: 193 gal./min. with 107 ft. draw down after 10 hrs.
AT 197 ft "pumping bailer" Water "would shut up in a second." Then back
Artesian flow ... g.p.m.
Shut-in pressure ... lbs. per square inch.
Bailer test ... g.p.m. with ... ft. draw down
Temperature of water ... Was a chemical analysis made? ☐ Yes ☐ No
Was electric log made of well? ☐ Yes ☐ No

(11) WELL LOG:
Diameter of well, 10" inches.
Total depth 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.*

0 ft. to 240 ft. Cemented Gravel some water
240 " 257 " Brown Clay and hard gravel
257 " 270 " Sand Rock
270 " 276 " Cemented gravel some water
276 " 281 " Brown Clay & gravel soft.
281 " 290 " Cemented Gravel, strong mix
290 " 293 " some water in Drill hole
293 " 305 " Cemented Gravel, pumped at 90.
305 " 325 " Hard Cemented Gravel
326 " 333 " Drilled like this might be water but no rock in hole. Sand = Still Hard. Just lots of gravel
333 " 335 " Brown Hard
335 " 350 " Hard Cemented gravel Hard
350 " 365 " = = = Water 352/364 gpm 7, 1966
Drilled " Total Test Gitor Test 3 gpm and 90 ft. Lots More water bearing gravel

Ground elevation at well site ... feet above mean sea level.
Work started Nov. 24 19 54 Completed Jan 5 19 66

Well Driller's Statement: We drilled 4 Test Hole after
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Date of Drilling Jan. 7, 1966

NAME Rudd W. Davis Well Drilling
(Person, firm, or corporation) (Typed or printed)
Address Box 145 Prairie City
Driller's well number
[Signed] Rudd W. Davis
(Well Driller)

NO. 6

RECEIVED
SEP 14 1962
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT STATE OF OREGON

State Well No. 13/30-21P

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

(1) OWNER:

Name City of Mt. Vernon

Address Mt. Vernon, Ore.

(2) LOCATION OF WELL:

County Grant Owner's number, if any—

¼ ¼ Section T. R. W.M.

Bearing and distance from section or subdivision corner

This well pumped when first tested 23 gal. up to 173 gpm. could not maintain production. on 12 hrs test well was pumped to bowl with gpm. pumped down to

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☒ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐

Irrigation ☐ Test Well ☐ Other ☐

(5) TYPE OF WELL:

Rotary ☐ Driven ☐

Cable ☒ Jetted ☐

Dug ☐ Bored ☐

(6) CASING INSTALLED:

Threaded ☐ Welded ☐

10" Diam. from 0 ft. to 340 ft. Gage Steel

8" Diam. from 210 ft. to 410 ft. Gage 32

" Diam. from ft. to ft. Gage

(7) PERFORATIONS:

Perforated? ☒ Yes ☐ No

Type of perforator used

SIZE of perforations ¼ in. by 3/16 in.

perforations from ft. to ft.

All of 8 perforations from 210 ft. to 340 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.

( ) Slot size Set from ft. to ft.

( ) Slot size Set from ft. to ft.

(9) CONSTRUCTION:

Was well gravel packed? ☐ Yes ☐ No Size of gravel:

Gravel placed from ft. to ft.

Was a surface seal provided? ☐ Yes ☐ No To what depth? ft.

Material used in seal—

Did any strata contain unusable water? ☐ Yes ☐ No

Type of water? Depth of strata

Method of sealing strata off

(10) WATER LEVELS:

Static level 90 ft. below land surface Date 7/20/62

Artesian pressure lbs. per square inch Date

Log Accepted by:

[Signed] Date 19

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☐ No If yes, by whom? Co 360 -

Yield: 160 gal./min. with drawdown ft. drawdown after hrs.

at 340 - ft "August Wm Bowman 2 hours 30 min; Sat Check 3 mile

Baller test 7 gal./min. with gpm ft. drawdown after 6 hrs.

Artesian flow g.p.m. Date

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

(12) WELL LOG:

Diameter of well inches.

Depth drilled 470 ft. Depth of completed well 470 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
Cemented Ground Hard	363	377
163 in layer of Hard gr.	377	377 =
Cemented Gravel Hard & Gray	377	387
More gravel = Wooded		
Hard - water 1½ gpm. Gravel rock	387	387½
Gray Cemented Gravel Hard	387½	393
Med. Wooded Sd.	393	394
Some Lignite in.	-	-
Hard Cemented Gravel Hard.	394	410
Entire Layer of gravel &		
up to 3" in Dry Cobbles	405	410
Fine in lens of Sand Clay		
Cemented gravel in Sand	410	415
Hard Gray Cemented Gravel	415	430
small layer of Gravel	430	
Clay & Gravel	430	433
Hard gravel Clay	433	445
Thin Layer Sandstone like Clay	445	450
& Layer of wood & sand		
Lignite	455	460
Fine Sand & Clay & ½ - 1" Rock		
Blue Clay & Gravel	460	470

Work started 19 . Completed July 20 1962

(13) PUMP:

Manufacturer's Name

Type: H.P.

Well Driller's Statement:

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

NAME Rudd W. Downs & Ross Downs
(Person, firm, or corporation) (Type or print)

Address Dale Day, Ore.

Driller's well number

[Signed] Rudd W. Downs
(Well Driller)

License No. 159 Date Aug 1, 1962

Written on Log.

Well test:

100 gpm initial drawdown to 360 ft. At 360 ft the pump cannot draw any more. Last check I made it was pumping around 60 gal per minute, Pump ran steady for 4 days 7 0 0

STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

694

Co-Clar Elev. 2940 ±

FEB - 1 1993

WATER RESOURCES DEPARTMENT SALEM, OREGON

NO. 7

(START CARD) # 48666

(1) OWNER:

Well Number:

Name Dennis Lemons

Address PO Box 309

City Mt. Vernon State Or Zip 97865

(2) TYPE OF WORK:

☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD

☒ Rotary Air ☐ Rotary Mud ☐ Cable

☐ Other

(4) PROPOSED USE:

☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes ☐ No ☒ Depth of Completed Well 91 ft.

Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
12"	0	36'	Portland	0	36'	40 Sacks
			ft Cement			
~~8"~~	~~+12"~~	~~36'~~				
8"	+12"	91				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E

☐ Other

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	8"	+12"	36'	250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	6"	-8'	91	188	☒	☐	☒	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☒ Perforations Method Mill. Knife

☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
71	91	48 6"	240	6"		☐	☒
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
250	0	90'	1 hr.

Temperature of water 62 Depth Artesian Flow Found

Was a water analysis done? ☐ Yes By whom

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other None

Depth of strata: None

(9) LOCATION OF WELL by legal description:

County Grant Latitude Longitude

Township 13 N or S Range 30 E or W

Section 28 SW ¼ SE ¼

Tax Lot Lot Block Subdivision

Street Address of Well (or nearest address) Lemons Lane

(10) STATIC WATER LEVEL:

10 ft. below land surface. Date 1-

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 72

From	To	Estimated Flow Rate
72	100	250

(12) WELL LOG:

Ground elevation ~~3200~~ 28

Material	From	To
Sand and gravel SOFT Brown	0	21
Sand and gravel SOFT Redish Brown	21	28
Confining clay Conglomerate light red Hard	28	72
Sand and gravel Water Bearing SOFT	72	100
Completed Well		91

Date started 1-11-93 Completed 1-24-

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, al abandonment of this well is in compliance with Oregon well c standards. Materials used and information reported above are tru knowledge and belief.

WWC Number

Signed John Marcuel Date 1-24

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or al work performed on this well during the construction dates report work performed during this time is in compliance with C construction standards. This report is true to the best of my kn belief.

WWC Number

Signed Larry M. Raley Date

NO. 8

City Well #1 Collar Elev. 2860 ft.

STATE ENGINEER
Salem, Oregon

Well Record

STATE WELL NO. 13/30-21
COUNTY Grant
APPLICATION NO. .....

OWNER: City of Mount Vernon MAILING ADDRESS: .....

CITY AND STATE: .....

LOCATION OF WELL: Owner's No. 1

.....¼ .....¼ Sec. ..... T. ..... N. S., R. ..... E. W., W.M.

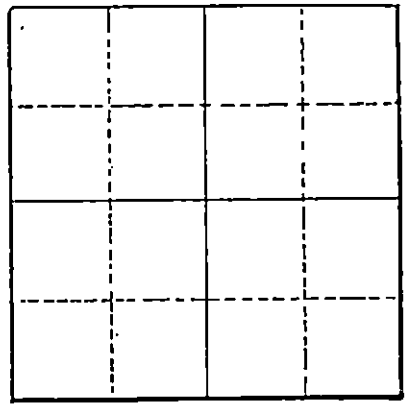
Bearing and distance from section or subdivision corner .....

.....

.....

.....

Altitude at well .....



Section .....

TYPE OF WELL: 700± Date Constructed .....

Depth drilled ..... Depth cased .....

CASING RECORD:

FINISH:

AQUIFERS:

20 to 40 feet - dry below? rpt.?

WATER LEVEL:

PUMPING EQUIPMENT: Type ..... H.P. .....
Capacity ..... G.P.M.

WELL TESTS:
Drawdown ..... ft. after ..... hours ..... G.P.M.
Drawdown ..... ft. after ..... hours ..... G.P.M.

USE OF WATER ..... Temp. ..... °F. ....., 19.....
SOURCE OF INFORMATION .....
DRILLER or DIGGER .....
ADDITIONAL DATA:
Log ..... Water Level Measurements ..... Chemical Analysis ..... Aquifer Test .....

REMARKS:

Collar Elev. 2800 ±

NO. 9

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)

OCT 18 1973
STATE ENGINEER
SALEM, OREGON
G-6343

State Well No. [illegible]
State Permit No. .....

(1) OWNER:

Name Edward Hines Lumber Co.
Address Mt. Vernon Oregon

(2) TYPE OF WORK (check):

New Well ☑ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☐ Driven ☐
Cable ☑ Jetted ☐
☐ Bored ☐

(4) PROPOSED USE (check):

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

(5) CASING INSTALLED:

Threaded ☐ Welded ☑

8 " Diam. from +1 ft. to 187 ft. Gage 250
" Diam. from ..... ft. to ..... ft. Gage .....
" Diam. from ..... ft. to ..... ft. Gage .....

(6) PERFORATIONS:

Perforated? ☑ Yes ☐ No.
Type of perforator used Miles Knife
Size of perforations 3/8 in. by 2 in.
252 perforations from 24 ft. to 60 ft.
147 perforations from 139 ft. to 160 ft.
..... perforations from ..... ft. to ..... ft.

(7) SCREENS:

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

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☑ No If yes, by whom?
Yield: ..... gal./min. with ..... ft. drawdown after ..... hrs.
" " " "
" " " "
Bailer test 40 gal./min. with 16 ft. drawdown after 2 hrs.
Artesian flow ..... g.p.m.
Temperature of water ..... Depth artesian flow encountered ..... ft.

(9) CONSTRUCTION:

Well seal—Material used Bentonite
Well sealed from land surface to 22 ft.
Diameter of well bore to bottom of seal 14 in.
Diameter of well bore below seal 8 in.
Number of sacks of cement used in well seal ..... sacks
Number of sacks of bentonite used in well seal 16 sacks
Brand name of bentonite Central Ore
Number of pounds of bentonite per 100 gallons of water 1000 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

(10) LOCATION OF WELL:

County Grant Driller's well number
NE ¼ NE ¼ Section 28 T. 13 R. 30 E W M
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 39 ft.
Static level 5 ft. below land surface. Date 10-2-
Artesian pressure ..... lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 8
Depth drilled 250 ft. Depth of completed well 250 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
Gravel large	0	14	—
Blue Clay	14	24	
Gravel	24	28	
Blue Clay & Gravel	28	52	
Brown Clay & Gravel	52	80	
Gravel small	80	95	
Brown Clay Gravel large	95	139	
Gravel	139	152	
Brown Clay & Gravel	152	180	
Brown Clay	180	186	
Gray & Black rock	186	210	
Brown Clay & Boulders	210	250	

Work started Aug 23 1973 Completed 10-2 1973
Date well drilling machine moved off of well 10-2 1973

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] Lee L. Mailler Date Oct 13, 1973
(Drilling Machine Operator)

Drilling Machine Operator's License No. 101

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 HAROLD HARTLING
(Person, firm or corporation) (Type or print)
Address Box 164 Ontario Ore.
Harold E. Hartling

NO. 10

WATER WELL REPORT
STATE OF OREGON

RECEIVED
NOV 5 1981
WATER RESOURCES DEPT
SALEM, OREGON

State Well No. 13S/30E-22 CA

State Permit No. .....

(1) OWNER:
Name KENNETH DELANO
Address STAR RT
City MT VERNON State OREGON

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

(3) TYPE OF WELL:
Rotary Air ☒ Driven ☐
Rotary Mud ☐ Dug ☐
Cable ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐
Thermal: Withdrawal ☐ Reinjection ☐

(5) CASING INSTALLED:
Steel ☒ Plastic ☐
Threaded ☐ Welded ☒
6" Diam. from +1 ft. to 79 ft. Gauge .250
..." Diam. from ... ft. to ... ft. Gauge ...

LINER INSTALLED:
..." Diam. from ... ft. to ... ft. Gauge ...

(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?
Yield: gal./min. with ft. drawdown after hrs.
" - - -
Air test 16 gal./min. with drill stem at 190 ft. 1 hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 52° Depth artesian flow encountered ... ft.

(9) CONSTRUCTION:
Special standards: Yes ☐ No ☒
Well seal—Material used Cement
Well sealed from land surface to 20 ft.
Diameter of well bore to bottom of seal 12 in.
Diameter of well bore below seal 8" in.
Number of sacks of cement used in well seal 13 sacks
How was cement grout placed? PRESSURE GROUTED
...
...
Was pump installed? NO Type ... HP ... Depth ... ft.
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: ...

(10) LOCATION OF WELL:
County GRANT Driller's well number
SE ¼ SW ¼ Section 22 T. 13S R. 30E W.M.
Tax Lot # Lot Blk Subdivision
Address at well location:

(11) WATER LEVEL: Completed well.
Depth at which water was first found 82 ft.
Static level 74 ft. below land surface. Date 28 Sept
Artesian pressure ... lbs. per square inch. Date ...

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 208 ft. Depth of completed well 208 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
White Ash & Boulders.	0	9	
Brown Clay	9	26	
Brown Clay & Broken Rock	26	75	3 gal
Broken Basalt	75	113	
Dark Grey Basalt	113	188	
Red Volcanic Rock (W.B.)	188	190	25 gal
Grey Green Basalt	190	208	
			74

Work started 29 Aug 19 81 Completed 28 Sept 1981
Date well drilling machine moved off of well 28 Sept 1981

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] Tom Landauer (Drilling Machine Operator) Date 28 Sept 1981
Drilling Machine Operator's License No. 840

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 BLUE MT. WELL DRILLING (Person, firm or corporation) (Type or print)
Address Rt 1 Box 78 PICHLAND, OREGON
[Signed] Tom Landauer (Water Well Contractor)
Contractor's License No. 576 Date 28 Sept, 1981

NO. 11

Collar Elev. 2080

OBSERVATION WELL

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM 10, OREGON within 30 days from the date of well completion.

WATER WELL REPORT
STATE OF OREGON (Please type or print)

G-5627 State Well No. 13/30 - 27A

G-3979 State Permit No.

(1) OWNER:
Name STATE OF OREGON - Highway Department
Address Salem 10 Oregon

(2) LOCATION OF WELL:
County GRANT Driller's well number
¼ ¼ Section T. 13 S. R. 30 E. W.M.
Bearing and distance from section or subdivision corner
At Clyde Holliday Wayside Rest Area
Mile post 155.6 - Approx. 1 Mile East
of Mt. Vernon, Glenn John Bay Highway

(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 PARK ☐

(5) TYPE OF WELL:
Rotary ☑ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(6) CASING INSTALLED:
Threaded ☐ Welded ☐
" Diam. from ft. to ft. Gage
6 5/8" Diam. from 0 ft. to 155 ft. Gage 250
" Diam. from ft. to ft. Gage

(7) PERFORATIONS:
Perforated? ☑ Yes ☐ No
Type of perforator used Torch cut
Size of perforations ½" in. by 3" in. 156
perforations from ft. to ft.
32 perforations from 124 ft. to 156 ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(8) SCREENS:
Well screen installed ☐ Yes ☑ No
Manufacturer's Name
( ) Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:
Well seal—Material used in seal Concrete
Depth of seal 30 ft. Was a packer used? No
Diameter of well bore to bottom of seal 7 7/8 in.
Were any loose strata cemented off? ☑ Yes ☐ No Depth 0 - 13
Was a drive shoe used? ☐ Yes ☐ No
Was well gravel packed? ☑ Yes ☐ No Size of gravel: 3/4
Gravel placed from 124 ft. to 156 ft.
Did any strata contain unusable water? ☐ Yes ☐ No
Type of water? Depth of strata
Method of sealing strata off Cemented

(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: 200 gal./min. with 16 ft. drawdown after 24 hrs
" " " " " "
" " " " " "
Bailer test 150 gal./min. with 12 ft. drawdown after hrs
Artesian flow g.p.m. Date
Temperature of water 57 Was a chemical analysis made? Yes No

(12) WELL LOG:
Diameter of well below casing 5 5/8
Depth drilled 156 ft. Depth of completed well 156 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 information.

MATERIAL	FROM	TO
Rock (Basalt) Basalt dark		
(Cavities from gold Ledge)	0	12
Rock Basalt Rock Vughined	12	30
Rock " fractured broken	30	78
" " Dense Dark	78	116
" " fractured Water	116	121
" " " Quicksand	121	151
" " " Hard Running	151	156

Work started 6/25 19 63 Completed 7/14 19 63
Date well drilling machine moved off of well 7/14 19 63

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

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report true to the best of my knowledge and belief.

NAME Otis Ellsworth
(Person, firm or corporation) (Type or print)
Address Rt. 2 Parma Idaho

Drilling Machine Operator's License No. 252

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.

RECEIVED
DEC 31 1973
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT

NO. 12

STATE OF OREGON State Well No. [illegible]
(Please type or print) State Permit No.
(Do not write above this line) Collar Elev.

(1) OWNER:
Name R E Spraul
Address MT Vernon Oregon

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

(3) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☑ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☑
6" Diam. from +1 ft. to 133 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☑ Yes ☐ No.
Type of perforator used Mills Knife
Size of perforations 3/8 in. by 2 in.
32 perforations from 100 ft. to 108 ft.
60 perforations from 40 ft. to 52 ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☑ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☐ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Bailer test 20 gal./min. with 10 ft. drawdown after 2 hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Bentonite + Cement
Well sealed from land surface to 40 ft.
Diameter of well bore to bottom of seal 8 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 2 sacks
Number of sacks of bentonite used in well seal 6 sacks
Brand name of bentonite Central ore. Bentonite
Number of pounds of bentonite per 100 gallons of water 400 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 Grant Driller's well number
SE ¼ SW ¼ Section 20 T. 13 R. 30 E W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 45 ft
Static level 60 ft. below land surface. Date 11-1-7
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6
Depth drilled 212 ft. Depth of completed well 212 ft

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

MATERIAL	From	To	SWL
Clay + Gravel	0	14	
Boulders + Clay	14	45	
Clay Brown	45	51	
Gravel	51	52	
Brown Clay + rock	52	114	✓
Brown Clay	114	128	
Gravel	128	130	
Clay Brown + Gravel	130	210	
Gravel + water	210	212	

Work started 10-3 1973 Completed 11-1 1973
Date well drilling machine moved off of well 11-2 1973

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] [illegible] Date 11-4 1973
(Drilling Machine Operator)
Drilling Machine Operator's License No. 101

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 HAROLD HARTLING
(Person, firm or corporation) (Type or print)
Address BOX 124 ONTARIO, ORE. 97914
[Signed] [illegible]
(Water Well Contractor)
Contractor's License No. 273 Date 11-4 1973

NO. 13

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

GRAN 687

RECEIVED NOV 19 1993 WATER RESOURCES DEPT. SALEM, OREGON

Collar Elev 2810± 13S/30E/2

(START CARD) # 48695

(1) OWNER:
Well Number
Name Omer L Thompson
Address RT 1 Box 50
City Mt. Vernon State Or Zip 97865

(2) TYPE OF WORK:
☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 204 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	0	23'	Bentonite granulas	0	23	19 sacks
6"	+1'	204				

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E
☒ Other pour
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1'	23	250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	5"	+1'	204	188	☒	☐	☒	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☒ Perforations Method Mill Knife
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
179	199	1/4x4	240	5"		☐	☒
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
20	60	200	1 hr.

Temperature of Water 62 Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

(9) LOCATION OF WELL by legal description:
County Grant Latitude Longitude
Township 13 N or ⊙ Range 30 ⊙ or W.
Section 20 SE ¼ NE ¼
Tax Lot Lot Block Subdivision
Street Address of Well (or nearest address) 1¼ west of Mt. Vernon Or

(10) STATIC WATER LEVEL:
63 ft. below land surface. Date 10-2
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 178'

From	To	Estimated Flow Rate
178	204	20

(12) WELL LOG:
Ground elevation 3100

Material	From	To
top Soil Brown	0	3
gravel + Boulders mixed with clay, Tan	3	10
clay Conglomerate Hard Tan	10	178
Sand + gravel Tan Water Bearing	178	204

Date started 10-19-93 Completed 10-22-93

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or a ment of this well is in compliance with Oregon well construction standards. M used and information reported above are true to my best knowledge and be

WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment w formed on this well during the construction dates reported above. All work pe during this time is in compliance with Oregon well construction standards. Th is true to the best of my knowledge and belief.

WWC Number

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

GWNO 670

RECEIVED AUG - 6 1993 WATER RESOURCES DEPT. SALEM, OREGON

RECEIVED OCT 14 1993 WATER RESOURCES DEPT. SALEM, OREGON

NO. 14

(START CARD) # 68691

(1) OWNER:
Well Number
Name Lester E Martin
Address 37500 Willamina Cr. Rd
City Willamina State Or Zip 97396

(2) TYPE OF WORK:
☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☐ No Depth of Completed Well 325 ft.
Explosives used ☐ Yes ☐ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	0	19'	Bentonite	0	19'	10 Sacks
6"	+12"	19'				
6"	19'	325				

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E
☒ Other Poured
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	12"	19'	.250	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	N/A				☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
N/A						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
5	150'	300'	1 hr.

Temperature of Water 59 Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Grant Latitude Longitude
Township 13 N or ☒ Range 30 ☐ or W.
Section 6 SW ¼ NE ¼
Tax Lot 605 Lot Block Subdivision
Street Address of Well (or nearest address) off of County Rd

(10) STATIC WATER LEVEL:
30' ft. below land surface. Date 7-8-
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 35

From	To	Estimated Flow Rate	S
35'	38'	5	

(12) WELL LOG:
Ground elevation

Material	From	To	S
Top Soil Brown	0	3	
clay Cong/ Brown	3	11	
Basalt gray Hard	11	22	
clay Cong/ Red Med Hard	22	33	
Basalt gray Broken	33	35	
Basalt Red Broken	35	38	
Water bearing			
Basalt gray Hard	38	40	
Basalt Red Hard	40	41	
Basalt Black Hard	41	90	
Basalt Red Hard	90	143	
Basalt Black Hard	143	325	

Date started 7-5-93 Completed 7-8-93

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or aba ment of this well is in compliance with Oregon well construction standards. Mat used and information reported above are true to my best knowledge and belie

WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment worl formed on this well during the construction dates reported above. All work perfo during this time is in compliance with Oregon well construction standards. This r is true to the best of my knowledge and belief.

WWC Number 160
Signed John Marriel Date 7-8-9

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER 9809C

STATE OF OREGON

GRAN 478

WATER WELL REPORT

(as required by ORS 537.765)

NO. 15

(START CARD) # 148661

(1) OWNER:

Well Number:

Name Ben Falcon

Address PO Box 572

City MT. Vernon State OR Zip 97865

(2) TYPE OF WORK:

☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD

☐ Rotary Air ☐ Rotary Mud ☒ Cable

☐ Other

(4) PROPOSED USE:

☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes ☐ No ☒ Depth of Completed Well 120 ft.

Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	0	18'	Bentinite granular	0	18'	11 sacks
6"	± 2'	120'				

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E

☒ Other Poured

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	±2'	19'	.250	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	5"	-10'	120'	.188	☐	☒ glue	☐	☐
			SDR 26. 160 PSI		☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☒ Perforations Method Skill saw

☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
10'	120'	1/8x8"	250			☐	☒
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour

☐ Pump ☒ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
4	110		1 hr.

Temperature of water 62 Depth Artesian Flow Found

Was a water analysis done? ☐ Yes By whom

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County Grant Latitude Longitude

Township 13S N or S Range 30E E or W.

Section 18 NE ¼ SW ¼

Tax Lot 1900 Lot Block Subdivision

Street Address of Well (or nearest address) Clark Creek

(10) STATIC WATER LEVEL:

25 ft. below land surface. Date 9-2

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 54

From	To	Estimated Flow Rate
54'	120'	4 gal

(12) WELL LOG:

Ground elevation

Material	From	To
top soil Brown	0	3
clay Conglomerate	3	45
light Brown Med Hard		
clay Conglomerate light	45	54
Brown Med		
SAND and gravel light	54	120
Brown SOFT Water		
Bearing		
Completed Well		
Welded Cap		

SEP 28 19

WATER RESOURCES DEPT SALEM, OREGON

OCT 28 1992

WATER RESOURCES DEPT SALEM, OREGON

Date started 9-13-92 Completed 9-18-92

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, altera abandonment of this well is in compliance with Oregon well cons standards. Materials used and information reported above are true to knowledge and belief.

WWC Number

Signed John Marciel Date 9-18-

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or aband work performed on this well during the construction dates reported al work performed during this time is in compliance with Oreg construction standards. This report is true to the best of my knowle belief.

WWC Number 15

Signed Larry McKay Date 9-18-

WATER WELL REPORT
STATE OF OREGON

Received
SEP 12 1980
WATER RESOURCES DEPT
SALEM, OREGON

State Well No. 13s/30E-15J

State Permit No. .....

NO. 16

(1) OWNER:
Name Roy Kilpatrick
Address Box A
City MT. VERNON State OREGON

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

(3) TYPE OF WELL:
Rotary Air ☒ Driven ☐
Rotary Mud ☐ Dug ☐
Cable ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☒ Other ☐
Thermal: Withdrawal ☐ Reinjection ☐

(5) CASING INSTALLED:
NONE
Steel ☐ Plastic ☐
Threaded ☐ Welded ☐
..... " Diam. from ..... ft. to ..... ft. Gauge .....
..... " Diam. from ..... ft. to ..... ft. Gauge .....

LINER INSTALLED:
..... " Diam. from ..... ft. to ..... ft. Gauge .....

(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?
Yield: gal./min. with ft. drawdown after hrs.
Air test 3 gal./min. with drill stem at 345 ft. 1 hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ..... ft.

(9) CONSTRUCTION:
Special standards: Yes ☐ No ☒
Well seal—Material used .....
Well sealed from land surface to ..... ft.
Diameter of well bore to bottom of seal ..... in.
Diameter of well bore below seal ..... in.
Number of sacks of cement used in well seal ..... sacks
How was cement grout placed? .....
WELL BORE WAS BACFilled with 5 yards concrete
Was pump installed? ..... Type ..... HP ..... Depth ..... ft.
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 GRANT Driller's well number
NE ¼ SE ¼ Section 15 T. 13S R. 30E W.M.
Tax Lot # Lot Blk Subdivision
Address at well location: WEST SIDE, LONG CREEK Highway

(11) WATER LEVEL: Completed well.
Depth at which water was first found 50 ft.
Static level 45 ft. below land surface. Date 7 July
Artesian pressure — lbs. per square inch. Date —

(12) WELL LOG:
Diameter of well below casing .....
Depth drilled 345 ft. Depth of completed well 0 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
Light Brown clay	0	26	
Light Brown clay & sand	26	172	45
Light gray ash-type clay with fine multi-colored gravel	172	345	

Work started 30 July 1980 Completed 7 Aug 1980
Date well drilling machine moved off of well 7 Aug 1980

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] Tom Londuer (Drilling Machine Operator) Date 7 Aug 1980
Drilling Machine Operator's License No. 840

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 Blue Mt. Well Drilling (Person, firm or corporation) (Type or print)
Address Rt 1 Box 78 Richland, Oregon
[Signed] Tom Londuer (Water Well Contractor)
Contractor's License No. 578 Date 7 Aug, 1980

NOTICE TO WATER WELL CONTRACTOR — WATER RESOURCES DEPARTMENT. — SP*12658-690

Reinstated
~~CANCELLED~~

Name City of Mt. Vernon (a municipality)

By

Address PO Box 647
Mt. Vernon, OR 97865

Date filed July 13, 1987

Priority

Action suspended until

Return to applicant

Date of approval

CONSTRUCTION

Date for beginning 6-25-97

Date for completion 10-1-98

Extended to

Date for application of water 10-1-99

Extended to

PROSECUTION OF WORK

Form "A" filed

Form "B" filed

Form "C" filed

FINAL PROOF

Blank mailed

Proof received

Date certificate issued

Application No. G11679 B

Permit No. G12560

Certificate No. ~~CANCELLED~~ Reinstated

Stream Index, Page No. 6-44

V / John Day R above Kimberly

FEES PAID

Date	Amount
7-13-87	300.00
Recording 12-16-94	600.00
	Cert. Fee

FEES REFUNDED

Date	Amount
MP 7-5-96	600.00

ASSIGNMENTS

Date	To Whom	Address	Volume

REMARKS

Appl. Memo sent 7-28-87
11/4/07 ~~CANCELLED~~ in special order Vol 73 Pg 586
11/27/07 Reinstated in Special Oder Vol 73 pg 667

COBU MAP # 0340

STATE OF OREGON
WATER RESOURCES DEPARTMENT
158 12TH ST. N.E.
SALEM, OR 97310-0210
378-8455 / 378-8130 (FAX)

RECEIPT # 120014 INVOICE # _____

RECEIVED FROM: City of Mt. Vernon
BY: _____

G

APPLICATION	11679
PERMIT	
TRANSFER	

CASH: ☐ CHECK: # ☒ 96702 OTHER: (IDENTIFY) ☐ _____

TOTAL REC'D $ 600.00

01-00-0 WRD MISC CASH ACCT

842.010	ADJUDICATIONS		$
831.087	PUBLICATIONS / MAPS		$
830.650	PARKING FEES Name / month	_____	$
_____	OTHER: (IDENTIFY)	_____	$

REDUCTION OF EXPENSE _____ CASH ACCT. $

_____ COST CENTER AND OBJECT CLASS _____ VOUCHER #

03-00-0 WRD OPERATING ACCT

MISCELLANEOUS

840.001	COPY FEES		$
850.200	RESEARCH FEES		$
880.109	MISC REVENUE: (IDENTIFY)	_____	$
520.000	OTHER (P-6) (IDENTIFY)	_____	$

	WATER RIGHTS:	EXAM FEE		RECORD FEE
842.001	SURFACE WATER	$	842.002	$
842.003	GROUND WATER	$	842.004	$ 600.00
842.005	TRANSFER	$	842-006	$
	WELL CONSTRUCTION	**EXAM FEE**		**LICENSE FEE**
842.022	WELL DRILL CONSTRUCTOR	$	842.023	$
	LANDOWNER'S PERMIT		842.024	$

_____ OTHER (IDENTIFY) _____

06-00-0 WELL CONST. START FEE

842.013	WELL CONST START FEE	$	CARD #	
_____	MONITORING WELLS	$	CARD #	

_____ OTHER (IDENTIFY) _____

45-00-0 LOTTERY PROCEEDS

864.000	LOTTERY PROCEEDS	$

07-00-0 HYDRO ACTIVITY LIC NUMBER

842.011	POWER LICENSE FEE (FW/WRD)		$
842.115	HYDRO LICENSE FEE (FW/WRD)		$
_____	HYDRO APPLICATION	_____	$

RECEIPT # 120014 DATED: 12-16-94 BY: D. Brushwell

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

C99

7-13-87 JB Ju 12/89

Application No. G11679
Permit No. G12560

Name City of Mt. Vernon (a municipality)
Address PO Box 647, Mt. Vernon, OR 97865
Assigned Address
Beginning construction 6-25-97
Completion of construction 10-1-98
Extended to
Complete application of water 10-1-99
Extended to