Application No. G16604

Permit No. G-16279

Certificate No. _____

Name G-16604
By ROBERT WALTENBURG
Address CITY OF DAYVILLE
PO BOX 321
DAYVILLE OR 97825

C12

Priority 1-19-2006

County _____ WM# _____

	Date	Volume	Page
DENIED			
MISFILED			
WITHDRAWN			
CANCELLED			

FEES PAID

Date	Amount	Receipt No.
1-19-06	500.00	79552
10/22/07	300.00	90288
10-11-11	150.00	104209
	Cert. Fee	

FEES REFUNDED

Date	Amount	Receipt No.

RELATED FILES

_____
_____
_____
_____

DEVELOPMENT Date

Completion 10-1-2012

Extended to _____

_____

Final Proof received COBU 10/11/2011

~~Proposed~~ Cert. Mailed _____

ASSIGNMENTS

Date	To Whom	Address

REMARKS _____

MAP LOCATION COBU MAP # 0619

Rev. 04/03

Completion Checklist for CWRE Claims of Beneficial Use

Application # G-16604

Date Received 10/11/2011
CWRE Name Michael Posada Claim Logged yes
File Marked yes
Oversized Map # x619 folder 11
Read the file and attach a copy of the permit or transfer final order. _____

Map Review:

- ✓ Map on polyester film (OAR 690-014-0170(1) & 310-0050(1)(b)
- ✓ Application & permit #; or transfer # (OAR 690-014-0100(1)
- ✓ Disclaimer (OAR 690-014-0170(5)
- ✓ North arrow (OAR 690-310-0050(2)(c)
- ✓ CWRE stamp and signature (OAR 690-014 & 310-0050)
- ✓ Appropriate scale (1" = 1320', 1" = 400', or the original full-size scale of the county assessor map) (014 & 310)
- ✓ Township, range, section, and tax lot numbers (OAR 690-310-0050(4)
- _____ Source illustrated if surface water (OAR 690-014-0170(3)
- _____ Point(s) of diversion or appropriation (illustrated) (OAR 690–014(4) & 690-310-0050)
- _____ Point(s) of diversion or appropriation (coordinates)(OAR 690–014(4) & 690-310-0050)
- _____ Conveyance structures illustrated (pump, pipelines, ditches, etc.) (OAR 690-310-0050)
- _____ Description of the location, in relation to the point of diversion or appropriation, of any fish screens, by-pass devices, and measuring devices required (OAR 690–014(4)
- _____ 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) (OAR 690-310-0050, 690-014, 690-380-6010)

Report Review:

- ✓ On form or format provided by the Department (OAR 690-014-0100(1)
- ✓ Application & permit #; or transfer # (OAR 690-014)
- ✓ Ownership information (OAR 690-014)
- ✓ Date of survey (OAR 690-014)
- ✓ Person interviewed (OAR 690-014)
- ✓ County (OAR 690-014)
- ~~Tax lot information (OAR 690-014)~~
- _____ Description of conveyances system (from POD to POU) (OAR 690-014-0100)
- _____ Source(s) of water (OAR 690-014-0100)
- _____ Point of diversion/appropriation location (OAR 690-014-0100)
- _____ Use, period of use, and rate for use (OAR 690-014-0100)
- _____ Place of use location (OAR 690-014-0100)
- _____ Type of use (OAR 690-014-0100)
- _____ Extent of use (OAR 690-014-0100)
- _____ Rate and Duty (OAR 690-014-0100)
- _____ Diversion rate for each use (OAR 690-014-0100)
- _____ Diversion works description (pump make, serial model, capacity, and description) (OAR 690-014-0100)
- _____ System capacity (OAR 690-014-0100)
  - _____ Calculated capacity of system (required)
  - _____ Measured amount of use (optional)
- _____ Permit/Transfer Final Order Conditions (OAR 690-014-0100)
  - _____ 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
    - _____
    - _____
- ✓ CWRE stamp and signature (OAR 690-014-0100)
- ✓ Signature(s) of permittee of transfer holder (OAR 690-014-0100)

DEF = deficient
N/A = Not Applicable

Certificate Issuance Processing Checklist

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

CLAIM OF BENEFICIAL USE
for Permits claiming more than 0.1 cfs and All Transfers

Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

A fee of $150 must accompany this form to be accepted for permits with a priority date of July 9, 1987, or later. (ORS 536.050(1))

SECTION 1
GENERAL INFORMATION

1. File Information

APPLICATION # (G, R, S OR T)	PERMIT # (IF APPLICABLE)	PERMIT AMENDMENT # (IF APPLICABLE)
G-16604	**G-16279**	**N/A**

2. Property Owner (current owner information)

APPLICANT/BUSINESS NAME		PHONE NO.	ADDITIONAL CONTACT NO.
City of Dayville		**541-987-2188**	**N/A**
ADDRESS **P.O. Box 321 / 3 Park Lane**			
CITY **Dayville**	STATE **OR**	ZIP **97825**	E-MAIL N/A

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

3. Is the Property Owner the permit or transfer holder of record? **YES**

Are there additional permit or transfer holders of record? **NO**

4. Date of Site Inspection: **01-28-09**

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

NAME	DATE	ASSOCIATION WITH THE PROJECT
Linda Sagaser	**01-28-09**	**Public Works Director**

6. County: **Grant**

7. 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(4)):

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

OWNER OF RECORD **N/A - Municipal use within the City of Dayville water use area**		
ADDRESS		
CITY	STATE	ZIP

Are there additional Owners of Record? **NO**

SECTION 2

SYSTEM DESCRIPTION

A. Points of Diversion/Appropriation

1. Point of diversion/appropriation name or number:

POINT OF DIVERSION/APPROPRIATION (POD/POA) NAME OR NUMBER (CORRESPOND TO MAP)	WELL LOG ID # FOR ALL WORK PERFORMED ON THE WELL (IF APPLICABLE)	WELL TAG # (IF APPLICABLE)
City Well No. 1	**GRAN 50866**	**N/A**

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

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

POD/POA NAME OR NUMBER	SOURCE	TRIBUTARY
N/A		

3. Developed use(s), period of use, and rate for each use:

POD/POA NAME OR NUMBER	USES	IF IRRIGATION, LIST CROP TYPE	SEASON OR MONTHS WHEN WATER WAS USED	RATE OR VOLUME FOR USE (CFS, GPM, OR AF)
City Well No. 1	**MUNICIPAL**	**N/A**	**JAN. 1 – DEC. 31**	**0.075 CFS or 34 GPM**
Total Quantity of Water Used				**0.075 CFS or 34 GPM**

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

The City of Dayville commenced a water system improvements project in 2007 that included a new above ground 125,000 gallon steel water reservoir, a new pump station and a new water transmission line leading to the City's water distribution system. The City of Dayville drilled Well No. 1 under Permit G-16279 beginning in November 2006. Well No. 1 is used in conjunction with an existing water right from the waters of Guyon Spring. The Guyon Spring water right was perfected under water right certificate 12013. Both sources are used to supply water to the city's distribution system, utilizing the new reservoir, pump station and a new telemetry and control system. The well and spring pump control system in the new pump station is set to work in an on-demand mode and is activated through the new telemetry system with pre-set operating levels. The system is set to keep the water level in the reservoir at an optimum operating level in order to supply the City's water distribution with adequate operating pressure and flow capacity. This Claim of Beneficial Use is for Well No. 1, developed under Permit G-16279.

The water flow from Well No. 1 is connected with a 3" diameter ductile iron water transmission line that leads to the water pump station building. The pump station is a 12' by 17' concrete block one story building located 35' Northerly from Well No. 1. The water from Well No. 1 is then piped from the pump station, through a series of valves and a flow meter/totalizer into the new water reservoir, utilizing a 4" diameter ductile iron water transmission line. The reservoir is located 12' Northeasterly from Well No. 1. The water from Well No. 1 is then piped from the reservoir, using the on-demand control system, into the City's water distribution system with an 8" diameter PVC water transmission line.

The City of Dayville currently utilizes this system to supply water to the place of use and meet the water demands in the City's water use area. The water use area is the City of Dayville's city limits and urban growth boundary.

SECTION 2

SYSTEM DESCRIPTION (B through H)

Are there multiple PODs or POAs? **NO**

If *"YES"* you will need to copy and complete Sections 2B through 2H for each POD/POA.

POD/POA Name or Number this section describes (only needed if there is more than one):

N/A

B. Place of Use

1. Is the right for municipal use? **YES**

C. Diversion and Delivery System Information

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport and apply the water from the point of diversion/appropriation to the place of use.

1. Is a pump used? **YES**

If "NO" items 2 through item 6 may be deleted.

2. Pump Information

Manufacturer	Model	Serial Number	Type (centrifugal, turbine or submersible)	Intake size	Discharge size
Grundfos	**25S30-15**		**Submersible**	**1-1/2"**	**1-1/2"**

3. Motor Information

Manufacturer	Horsepower
Grundfos	**3**

4. Theoretical Pump Capacity

Horsepower	Operating PSI	Lift from Source to Pump (If a well, the water level during pumping)	Lift from Pump to Place of Use	Total Pump Output (in CFS)
3	**60**	**126'**	**4'**	**0.075 CFS**

5. Provide pump calculations:

Pump Capacity Calculation Sheet
using Department designed formula:

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

Efficiency:

Centrifugal = 6.61
Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 3
Efficiency = 7.04
Lift = 130
PSI = 60

Results Calculated

(hp)(efficiency) = 21.12
Head based on psi = 152.4
Total dynamic head = 282.4
(head + lift)

Pump Capacity = 0.075 cubic feet per second

6. 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 (in cfs)
235,332 Gallons	**235,675 Gallons**	**10 Minutes**	**34 GPM or 0.075 CFS**

Reminder: For pump calculations use the reference information at the end of this document.

7. Is the distribution system piped? **YES**

If "NO" items 8 through item 11 may be deleted.

8. Mainline Information

Mainline Size	Length	Type of Pipe	Buried or Above Ground
8" diameter transmission line	**3000' +/-**	**PVC**	**BURIED**

9. Lateral or Handline Information

Lateral or Handline Size	Length	Type of Pipe	Buried or Above Ground
N/A			

12. Additional notes or comments related to the system:

D. Groundwater Source Information (Well and Sump)

1. Is the appropriation from ground water (well or sump)? **YES**

If "NO", items 2 through 8 relating to this section may be deleted.

2. Describe the access port (type and location) or other means to measure the water level in the well:

The 10" diameter steel well casing has a 3/8" diameter nylon tubing air line and also a 1-1/4" diameter schedule 40 PVC conduit for a pressure transducer. The pressure transducer allows the ability to measure the static water level in the well at any time. The 10-3/4" diameter aluminum well cap also opens to allow access directly to the 2" diameter pump discharge column.

3. If well logs are not available, provide as much of the following information as possible:

Casing Diameter	Casing Depth	Total Depth	Completion Date of Original Well	Completion Dates of Alterations	Who the well was drilled for	Well drilled by
10"	**To 270'**					
8"	**From 270' to 341'**	**341'**	**2-23-07**	**N/A**	**City of Dayville**	**Marciel Well Drilling and Pumps**

4. In addition to the information requested in item "3" above, provide any other information which may help the Department locate any well logs associated with this appropriation.

The City of Dayville Well No. 1 well log is GRAN 50866 and is attachment "A"

5. Is the appropriation from a dug well (sump)? **NO**

E. Storage

1. Does the distribution system include in-system storage (i.e. storage tank, bulge in system / reservoir) **YES**

If "NO", item 2 and 3 relating to this section may be deleted.

If "YES" is it a: Storage Tank **YES**

Bulge in System / Reservoir **NO**

Complete appropriate table(s) below, unused table may be deleted.

2. Storage Tank:

Material (concrete, fiberglass, metal, etc.)	Capacity (in gallons)	Above Ground or Buried
Metal (Steel)	**125,000**	**ABOVE GROUND**

3. Bulge in System / Reservoir:

Reservoir Name or Number (correspond to map)	Approximate Dam Height	Approximate Capacity (in acre feet)
N/A		

F. Gravity Flow Pipe

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

1. Does the system involve a gravity flow pipe? **NO**

G. Gravity Flow Canal or Ditch

(THE DEPARTMENT TYPICALLY USES MANNING'S FORMULA FOR CANALS AND DITCHES)

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system? **NO**

H. Reservoir

1. Does the claim involve a reservoir modified through a transfer? **NO**

Reminder: This section should only be completed if the reservoir right has been modified through the transfer process. If the claim is for a permitted reservoir use the Claim of Beneficial Use form for reservoirs.

SECTION 3

CONDITIONS

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

1. Time Limits:

Permits, transfer final orders, and any extension 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, extension or transfer final order:

	DATE FROM PERMIT OR TRANSFER	DATE ACCOMPLISHED*	DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS
ISSUANCE DATE	**January 17, 2008**		
BEGIN CONSTRUCTION (A)		**November 28, 2006**	**Begin Drilling Well No. 1**
COMPLETE CONSTRUCTION (B)		**November 2008**	**Water System Improvements Complete**
COMPLETE APPLICATION OF WATER (C)		**Spring 2009**	**Complete Application of Water to Beneficial Use**

* MUST BE WITHIN PERIOD BETWEEN PERMIT, TRANSFER FINAL ORDER, OR ANY EXTENSION FINAL ORDER ISSUANCE AND THE DATE TO COMPLETELY APPLY WATER

2. Is there an extension final order(s)? **NO**

If "NO", you may delete item 3 in this section.

4. Initial Water Level Measurements:

a. Was the water user required to submit an initial static water level measurement? **YES**

If "NO", items 4b through 4d relating to this section may be deleted.

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

2-6-2007

c. Was the measurement submitted to the Department? **YES**

d. If the initial measurement was not submitted, provide that measurement now, if available:

DATE OF MEASUREMENT	MEASUREMENT MADE BY	METHOD	MEASUREMENT
2-06-2007	**John Marciel – Well Driller**	**Air Line**	**114.6 Below Surface**

5. Annual Static Water Level Measurements:

a. Was the water user required to submit annual static water level measurements? Yes

If "NO", items 5b through 5e relating to this section may be deleted.

b. Provide the month in which the static water level measurement was to be made:

NO MONTH GIVEN – PERMIT STATES "PERIODICALLY MEASURE STATIC WATER LEVELS"

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

d. If "YES", were those measurements submitted to the Department? Yes

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

DATE OF MEASUREMENT	MEASUREMENT MADE BY	METHOD	MEASUREMENT

6. Pump Test (Required for most ground water permits prior to issuance of a certificate)

a. Did the permit require the submittal of a pump test? **YES**

If "NO", items 6b through 6d relating to this section may be deleted.

b. Has the pump test been previously submitted to the Department? **YES**

c. Is the pump test attached to this claim? Yes – See Attachment B

d. Has the pump test been approved by the Department? **UNKNOWN**

7. Measurement Conditions:

a. Does the permit, permit amendment, transfer final order, or any extension final order require the installation of a meter or approved measuring device? **YES**

If "NO", items 7b through 7f relating to this section may be deleted.

Reminder: 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.

b. Has a meter been installed? **YES**

c. Meter Information

POD/POA NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
Well No. 1	**Siemens**	**7ME652 103302 NI88**	**Working**	**235,675 Date read (01-28-09)**	**2008**

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

If a meter has been installed, items 7e through 7g relating to this section may be deleted.

8. Recording and reporting conditions

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

If "NO", item 8b relating to this section may be deleted.

b. Have the reports been submitted? **YES-**
Periodically, with some gaps in time; The City is working on a plan for new employees to get back on schedule with water use reporting.

METHOD OF SUBMITTING REPORT (PAPER OR ELECTRONIC)	WATER USER REPORTING ID
Paper	**11358**

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

9. Fish Screening

a. Are any points of diversion required to be screened to prevent fish from entering the point of diversion? **NO**

If "NO", items 9b through 9e relating to this section may be deleted.

10. By-pass Devices

a. Are any points of diversion required to have a by-pass device to prevent fish from entering the point of diversion? **NO**

If "NO", items 10b and 10c relating to this section may be deleted.

Reminder: If by-pass devices were required, the COBU map must indicate their location in relation to the point of diversion.

b. Has the by-pass device been installed? **N/A**

c. Describe the diversion works as related to whether a by-pass device is installed or unnecessary:

(Provide a letter from ODFW indicating the device is approved or is unnecessary. If there is no letter from ODFW, explain whether or not a by-pass device is necessary.)

DESCRIPTION (I.E. "ODFW HAS APPROVED THE BY-PASS DEVICE" OR "NO BY-PASS DEVICE IS NECESSARY BECAUSE THERE IS A DIRECT DIVERSION FROM THE STREAM VIA A PUMP ON RIVER LEFT STREAM BANK WITH FOOT VALVE DESCENDING DIRECTLY INTO NATURAL POOL.") IN ADDITION, YOU MAY ATTACH PHOTOS TO THIS CLAIM.	IF INSTALLED (DATE)	IF INSTALLED, BY WHOM

11. Other conditions required by permit, permit amendment final order, extension final order, or transfer final order

a.	Were there special well construction standards?	**NO**
b.	Was submittal of a ground water monitoring plan required?	**YES**
c.	Was the water user required to restore the riparian area if it was disturbed?	**NO**
d.	Was a fishway required?	**NO**
e.	Was submittal of a letter from an engineer required prior to storage of water?	**NO**
f.	Was submittal of a water management and conservation plan required?	**NO**
g.	Other conditions?	NO

If "YES" to any of the above, identify the condition and describe the water user's actions to comply with the condition(s):

The City has submitted a ground water monitor plan and it has been approved by OWRD. The City submits a report once a year to OWRD

SECTION 4

VARIATIONS

Include a description of variations from the permit, permit amendment final order, extension final order, or transfer final order. (i.e. *"The permit allowed three points of diversion. The water user only developed one of the points."* or *"The permit allowed 40.0 acres of irrigation. The water user only developed 10.0 acres."*)

The permit allowed for a maximum rate of 0.22 CFS or 98 GPM. The developed capacity of Well No. 1 is 0.075 CFS or 34 GPM. The rate of 34 GPM meets the objectives of the water improvements project and the needs of the City's water users. Therefore the City has no plans for continued incremental perfection under this permit.

SECTION 5

ATTACHMENTS

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

ATTACHMENT NAME	DESCRIPTION
ATTACHMENT "A"	**WATER SUPPLY WELL REPORT FOR "GRAN 50866"**
ATTACHMENT "B"	**CITY WELL NO. 1 – PUMP TEST RECORD DRAWING**
ATTACHMENT "C"	**PERMIT G-16279**

SECTION 6

CLAIM SUMMARY

POD / POA NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED	USE	# OF ACRES ALLOWED	# OF ACRES DEVELOPED
City Well No. 1	**0.22 CFS or 98 GPM**	**0.075 CFS or 34 GPM**	**0.075 CFS or 34 GPM**	**Municipal**	**N/A**	**N/A**

SECTION 7

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 feet, 1" = 400 feet, or the original full-size scale of the county assessor map for the location.

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 survey of the point of appropriation, Well No. 1, for this Claim of Beneficial Use report was completed using a conventional total station during the completion of the City of Dayville's water improvements project. The tie to the East 1/16th corner between Sections 1 and 12, marked by a found aluminum capped monument, was also completed using a conventional total station. The found monument was from Grant County Partition Plat Number 1998-07.

The mapping for the claim map was created from the design drawings of the City of Dayville's water system improvements project and digital tax base mapping tied to the new point of appropriation using the same found monument and other monuments marking the City of Dayville's Reservoir site.

Map Checklist

Please be sure that the map you submit includes ALL the items listed below.
(Reminder: Incomplete maps and/or claims may be returned.)

☒ Map on polyester film.

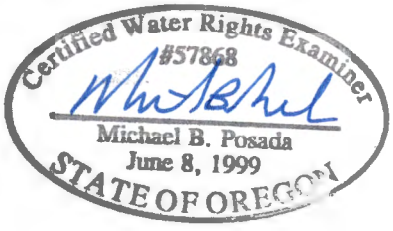
- ☒ Appropriate scale (1" = 400 feet, 1" = 1320 feet, or the original full-size scale of the county assessor map)
- ☒ Township, Range, Section, Donation Land Claims, and Government Lots
- ☒ If irrigation, number of acres irrigated within each projected Donation Land Claims, Government Lots, Quarter-Quarters
- ☒ Locations of fish screens, fish by-pass devices, meters and measuring devices in relationship to point of diversion or appropriation.
- ☒ Conveyance structures illustrated (pumps, reservoirs, pipelines, ditches, etc.)
- ☒ Point(s) of diversion or appropriation (illustrated and coordinates)
- ☒ Tax lot boundaries and numbers
- ☒ Source illustrated if surface water
- ☒ Disclaimer ("This map is not intended to provide legal dimensions or locations of property ownership lines")
- ☒ Application and permit number or transfer number
- ☒ North arrow
- ☒ Legend
- ☒ CWRE stamp and signature

SECTION 8
SIGNATURES

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



EXPIRATION DATE: 12-31-12

DATED: 09-12-11

CWRE NAME		PHONE NO.	ADDITIONAL CONTACT NO.
Michael B. Posada		**541-963-8309**	**541-786-2482**
ADDRESS **Anderson Perry & Associates, Inc. P.O. Box 1107**			
CITY **La Grande**	STATE **OR**	ZIP **97850**	E-MAIL **mposada@andersonperry.com**

Permit or Transfer Holder's of Record 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
L Sagaser	L. Sagaser PWA	09/30/2011
Jody Winkelman	Jody Winkelman	10-6-11

RECEIVED
OCT 14 2011
WATER RESOURCES DEPT
SALEM, OREGON

ATTACHMENT "A"

GRAN 50866

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)
Instructions for completing this report are on the last page of this form.

WELL I.D. # L 87505
START CARD # 190242

(1) LAND OWNER Well Number
Name City of Dayville
Address P.O Box 321 3 Parks Lane
City Dayville State Or Zip 97825

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger
☐ Other

(4) PROPOSED USE:
☐ Domestic ☒ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 341 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
16"	0	220	Cement	0	220	8 yards
12"	220	270	Cement	250	270	20 Sacks
8"	270	560				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☒ Other 1/4 gravel 341 to 342 BackFill
Backfill placed from 342 ft. to 349 ft. Material Cement
Gravel placed from 347 ft. to 560 ft. Size of gravel 1/4 Rea

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	10"	+1.6	270	.365	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	6"	252	341	.280	☒	☐	☒	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☒ Outside ☐ None
Final location of shoe(s) 270 - 12" underreamer

(7) PERFORATIONS/SCREENS:
☐ Perforations Method 304 - Factory
☒ Screens Type V-wire Material Stainless

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
272	287	.060	15'	6"	6"	☐	☒
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
25	270	340	10 hr

Temperature of water 63 Depth Artesian Flow Found
Was a water analysis done? ☒ Yes By whom City of Dayville
Did any strata contain water not suitable for intended use? yes ☐ Too little
☐ Salty ☒ Muddy ☐ Odor ☐ Colored ☐
Depth of strata: 180'

RECEIVED
MAR 19 2007
WATER RESOURCES DEPT
SALEM, OREGON

(9) LOCATION OF WELL by legal description:
County Grant Latitude Longitude
Township 13 N or S Range 26 E or W. WM.
Section 12 NW 1/4 NE 1/4
Tax Lot None Lot Block Subdivision
Street Address of Well (or nearest address) 4 Mile East 225 Millie Way Rd - Dayville Ore

(10) STATIC WATER LEVEL:
114.6 ft. below land surface. Date 2-6-07
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES:
Depth at which water was first found 180

From	To	Estimated Flow Rate	SWL
180	205	5	66'
275	293	25	114.6

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Tan gravel Mud Hard	0	6	
Tan ashy clay Hard	6	97	
Brown ashy clay Hard	97	99	
Tan Ashy clay Hard	99	180	
Tan Ashy clay water	180	205	66
Tan Ashy clay Hard	205	260	
gray Ashy clay Hard	260	261	
Blk Broken Basalt	261	269	
Blk Basalt Hard	269	275	
Blk Basalt Frac W	275	293	114.6
Blk Basalt Hard	293	344	
Red Seam of clay	344	358	
W/ Frac Basalt			
gray Basalt Hard	358	560	
Well Has Been Backfilled w/gravel			
From 560 To 347 - BackFilled From			
347 To 342 w/cement - BackFilled			
From 342 to 341 w/ gravel			

Date started 11-28-06 Completed 2-6-07

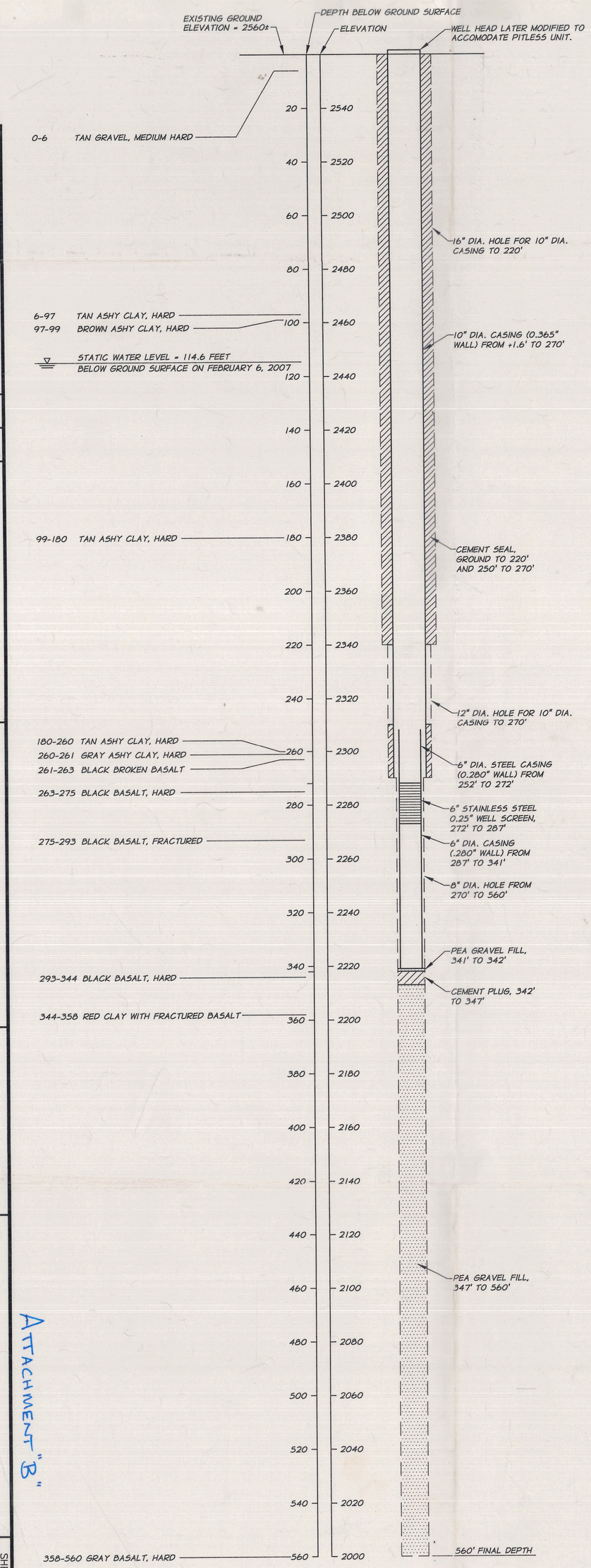
(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
RECEIVED OCT 11 2011 WATER RESOURCES DEPT SALEM, OREGON
WWC Number
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 water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1606
Signed John Marcel Date 2-23-07

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER

REGISTERED PROFESSIONAL ENGINEER 18481PE
OREGON JULY 10, 1986 D. BAIRD
EXPIRES: 12-31-09
SIGNED 06-10-08

CITY WELL NO. 1



CITY WELL NO. 1 LOCATION AND IDENTIFICATION INFORMATION

LEGAL DESCRIPTION: TOWNSHIP 13 SOUTH, RANGE 26 EAST, SECTION 12, NORTHWEST 1/4 OF NORTHEAST 1/4

WELL ID NUMBER: L87505

START CARD NUMBER: 190242

LOCATION: WELL NO. 1 IS LOCATED AT THE CITY OF DAYVILLE WATER STORAGE RESERVOIR SITE, APPROXIMATELY 0.4 MILES SOUTHWEST OF DAYVILLE, OREGON.

WELL WATER ANALYTICAL TEST RESULTS

INORGANIC CHEMICALS CONSTITUENT	EPA CODE	MCL (mg/l)	ANALYSIS (mg/l)	MDL	METHOD	ANALYSTS
ANTIMONY	1074	0.006	ND	0.0005	EPA 200.8	MSH
ARSENIC	1005	0.010	0.001	0.0005	EPA 200.8	MSH
ASBESTOS	1094	7 MF/l³	---	---	---	---
BARIUM	1010	2	0.01	0.0002	EPA 200.8	MSH
BERYLLIUM	1075	0.004	ND	0.0002	EPA 200.8	MSH
CADMIUM	1015	0.005	ND	0.0002	EPA 200.8	MSH
CHROMIUM	1020	0.1	0.001	0.001	EPA 200.8	MSH
CYANIDE	1024	0.2	ND	0.005	SM 4500-CNC/E	JWP
FLUORIDE	1025	4.0	ND	0.2	EPA 300.0	BAB
LEAD	1030	0.015	---	---	EPA 200.8	---
MERCURY	1035	0.002	---	---	EPA 200.8	---
NICKEL	1036	0.1	ND	0.0005	EPA 200.8	MSH
NITRATE	1040	10.	ND	0.1	EPA 300.0	BAB
NITRATE - NITRITE	1038	10.	---	---	EPA 300.0	---
NITRITE	1041	1.0	ND	0.1	EPA 300.0	BAB
SELENIUM	1045	0.05	---	---	EPA 200.8	---
SODIUM	1052	---	38.	1.	SM 3111B	MSH
SULFATE	1055	250	49.	0.5	EPA 300.0	BAB
THALLIUM	1085	0.0020	ND	0.0002	EPA 200.8	MSH

RADIOLOGICAL	EPA CODE	MCL (pci/l)	ANALYSIS (pci/l)	MDL	METHOD	ANALYSTS
GROSS ALPHA	4000	15	ND	3	EPA 900.0	---
COMBINED RADIUM 226/228	4010	5	1.0	0.2	EPA 903.0/904.0	---
COMBINED URANIUM	4006	0.03 mg/l	ND	0.001	EPA 200.8	---
GROSS BETA	4100	50	---	---	---	---

NOTES:
EPA = U.S. ENVIRONMENTAL PROTECTION AGENCY
MCL = MAXIMUM CONTAMINANT LEVEL
mg/l = MILLIGRAMS PER LITER
MDL = METHOD DETECTION LIMIT
ND = NOT DETECTED
MF/l³ = MILLION FIBERS PER LITER
pci/l = PICO CURIES PER LITER

NOTES
1. A FULL RANGE OF TESTS WERE PERFORMED ON SYNTHETIC ORGANIC CHEMICALS. NONE WERE DETECTED AT OR ABOVE THE METHOD DETECTION LIMITS LISTED. THE TESTS WERE PERFORMED IN FEBRUARY 2007 BY COFFEY LABORATORIES OF PORTLAND, OREGON.

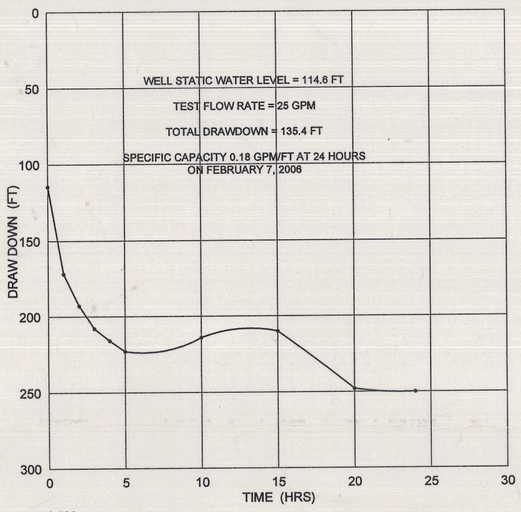
2. WELL WAS DRILLED BY MARCIEL WELL DRILLING AND PUMPS, INC. FROM NOVEMBER 2006 TO FEBRUARY 2007. THE WELL LOG IS ON FILE AT THE OREGON WATER RESOURCES DEPARTMENT.

3. METHOD OF DRILLING WAS DIRECT ROTARY WITH AIR.

4. WELL LOG INFORMATION SHOWN ON THIS DRAWING WAS OBTAINED FROM THE DRILLER'S WATER WELL REPORT AND TELEVISION TAPES OF THE WELL. THE TELEVISION TAPES AND WELL LOG ARE ON FILE AT ANDERSON PERRY & ASSOCIATES, INC. OFFICE IN LA GRANDE, OREGON.

5. WELL LOG DESCRIPTIONS SHOWN HEREIN ARE CONDENSED FROM THE WELL LOG ON FILE WITH THE OREGON WATER RESOURCES DEPARTMENT. PLEASE REFER TO THE FILED WELL LOG FOR A MORE DETAILED DESCRIPTION OF THE FORMATIONS.

PUMP TEST RESULTS



NOTES
1. A 24-HOUR CONSTANT-RATE PUMP TEST WAS PERFORMED ON FEBRUARY 6 AND 7, 2006. THE FLOW RATE FOR THE CONSTANT RATE TEST WAS MAINTAINED AT 25 GALLONS PER MINUTE (GPM).
2. THE STATIC WATER LEVEL OF THE WELL PRIOR TO STARTING THE STEP TEST WAS 114.6 FEET.
3. WATER TEMPERATURE DURING THE TEST WAS 63° FAHRENHEIT.

DESIGNED BY	B. BAIRD
DRAWN BY	D. CHRISTMAN
REVIEWED BY	H. PERRY
REVISION	
BY	
DATE	
HORZ. SCALE	
VERT. SCALE	
JOB NUMBER	991-31
DATE	2008
ACAD FILE	well-bore.dwg
DRAWING NUMBER	TB-DayvilleRec.dwg

RECORD DRAWINGS
These record drawings have been prepared, in part, on the basis of information compiled and furnished by others. They may contain some inaccuracies and do not necessarily represent "exact" field conditions. The Owner and the Engineer accept no responsibility for their accuracy.

anderson perry & associates, inc.
engineering · surveying · natural resources
LA GRANDE, OR. WALLA WALLA, WA.

CITY OF DAYVILLE
WATER SYSTEM IMPROVEMENTS
CITY WELL NO. 1 RECORD DRAWING

SHEET 1/1

ATTACHMENT "B"

ATTACHMENT "C"

STATE OF OREGON

COUNTY OF GRANT

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

CITY OF DAYVILLE
PO BOX 321
DAYVILLE, OR 97825

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-16604

SOURCE OF WATER: A WELL IN SOUTH FORK JOHN DAY RIVER BASIN

PURPOSE OR USE: MUNICIPAL USE

MAXIMUM RATE: 0.22 CUBIC FOOT PER SECOND (98 GPM)

PERIOD OF USE: JANUARY 1 THROUGH DECEMBER 31

DATE OF PRIORITY: JANUARY 19, 2006

WELL LOCATION: NW ¼ NE ¼, SECTION 12, T13S, R26E, W.M.; 200 FEET SOUTH & 1520 FEET WEST FROM NE CORNER, SECTION 12

THE PLACE OF USE IS LOCATED AS FOLLOWS:

WITHIN THE URBAN GROWTH BOUNDARY
OF THE CITY OF DAYVILLE

Measurement, recording and reporting conditions:

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

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

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.

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.

The well shall produce ground water only from the basalt ground water reservoir.

STANDARD CONDITIONS

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may not be valid, unless the Department authorizes the change in writing.

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

The 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.

Where two or more water users agree among themselves as to the manner of rotation in the use of water and such agreement is placed in writing and filed by such water users with the watermaster, and such rotation system does not infringe upon such prior rights of any water user not a party to such rotation plan, the watermaster shall distribute the water according to such agreement.

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.

Completion of construction and complete application of the water to the use shall be made on or before October 1, 2012. If the water is not completely applied before this date, and the permittee wishes to continue development under the permit, the permittee must submit an application for extension of time, which may be approved based upon the merit of the application.

Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

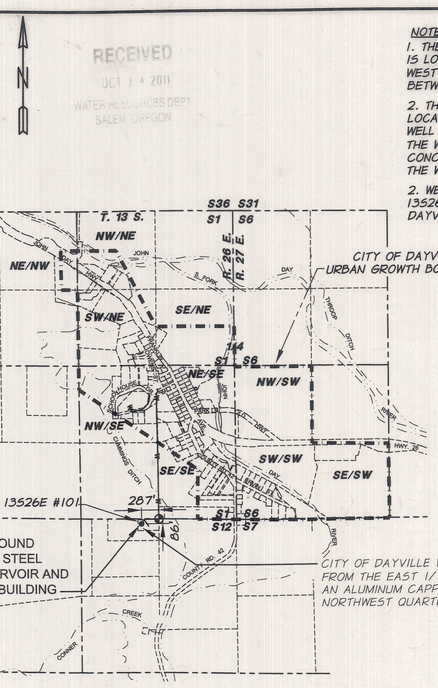
Issued January 17, 2008

E. Timothy Ward

for Phillip C. Ward, Director
Water Resources Department

T.13 S., R.26 E., W.M.
SECTION 1 AND 12
& T.13 S., R. 27 E., W.M.
SECTION 6

SCALE: 1" = 1320'



NOTES

1. THE POINT OF APPROPRIATION, WELL NO. 1 IS LOCATED 86 FEET SOUTH AND 287 FEET WEST FROM THE EAST 1/16 CORNER BETWEEN SECTIONS 1 AND 12.

2. THE FLOW METER FOR WELL NO. 1 IS LOCATED 12 FEET SOUTHWESTERLY FROM WELL NO. 1. THE FLOW METER IS HOUSED IN THE WELL NO. 1 PUMP STATION, AN 12' x 17' CONCRETE BLOCK BUILDING ADJACENT TO THE WELL.

2. WELL NO. 1 IS LOCATED WITHIN TAX LOT 13526E #101, OWNED BY THE CITY OF DAYVILLE.

CITY OF DAYVILLE PLACE OF USE - THE URBAN GROWTH BOUNDARY

Section 1 - T. 13 S.; R. 26 E.
NW ¼ NE ¼ SW ¼ NE ¼
SE ¼ NE ¼

NE ¼ NW ¼

NE ¼ SE ¼ NW ¼ SE ¼
SE ¼ SE ¼

Section 6 - T. 13 S.; R. 27 E.
NW ¼ SW ¼
SW ¼ SW ¼
SE ¼ SW ¼

LEGEND

- DAYVILLE CITY LIMITS AND URBAN GROWTH BOUNDARY
- 1/4, 1/4 SECTION LINE, BOUNDARY OR LOT LINE
- SECTION LINE OR QUARTER SECTION LINE
- WATER TRANSMISSION LINE.
- POINT OF APPPROPRIATION - CITY OF DAYVILLE WELL No. 1 HAS A JANUARY 19, 2006 PRIORITY DATE.
- FOUND ALUMINUM CAPPED SURVEY MONUMENT MARKING THE EAST 1/16TH CORNER BETWEEN SECTIONS 1 AND 12, AS SHOWN.

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

EXPIRATION DATE: 12-31-12
DATED: 09-12-11

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.

COBU MAP #0619

DATE OF SURVEY : 01-28-09

J# 991-31 (217)

anderson perry & associates, inc.

CITY OF
DAYVILLE, OREGON
P.O. BOX 321 DAYVILLE, OREGON 97825
CLAIM OF BENEFICIAL USE MAP
PERMIT G-16279 & APP. G-16604

SHEET
1 OF 1

Q:\DAYVILLE\991_31_WATER07\Water Rights 2010\DWG\CBU G-16279.dwg, 6/29/2011 7:45:58 AM, \\ggprint1\HP_LJ5200tn PCL6

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G-16604

Final Order

Appeal Rights
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.

This statement of judicial review rights does not create a right to judicial review of this order, if judicial review is otherwise precluded by law. Where no changes have been made to a Proposed Final Order on a water right application and no protests have been filed during the protest period, the final order is not subject to judicial review.

Application History
On January 19, 2006, City of Dayville submitted an application to the Department for a water use permit. The Department issued a Proposed Final Order on September 25, 2007. The protest period closed November 9, 2007, and no protest was filed.

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

Order

Application G-16604 therefore is approved as proposed by the Proposed Final Order, and Permit G-16279 is issued as limited by the conditions proposed by the Proposed Final Order.

DATED January 17, 2008

E. Timothy Wall

for Phillip C. Ward, Director
Water Resources Department

This document was prepared by Alyssa Mucken. If you have any questions about any of the statements contained in this document I am most likely the best person to answer your questions. You can reach me at 503-986-0853.

If you have previously filed a protest and want to know its status, please contact Patricia McCarty at 503-986-0820.

If you have other questions about the Department or any of its programs please contact our Customer Service Group at 503-986-0801.

Address all other correspondence to: Water Rights Section, Oregon Water Resources Department, 725 Summer St NE Ste A, Salem OR 97301-1266, Fax: 503-986-0901.

STATE OF OREGON

COUNTY OF GRANT

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

CITY OF DAYVILLE
PO BOX 321
DAYVILLE, OR 97825

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-16604

SOURCE OF WATER: A WELL IN SOUTH FORK JOHN DAY RIVER BASIN

PURPOSE OR USE: MUNICIPAL USE

MAXIMUM RATE: 0.22 CUBIC FOOT PER SECOND

PERIOD OF USE: JANUARY 1 THROUGH DECEMBER 31

DATE OF PRIORITY: JANUARY 19, 2006

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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.

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Issued January 17, 2008

E. Timothy Ward

for Phillip C. Ward, Director
Water Resources Department

Mailing List for FO Copies

Application #G-16604

Original mailed to applicant with claim of beneficial use form:

CITY OF DAYVILLE
PO BOX 321
DAYVILLE OR 97825

Copies sent to:
1. WRD - File # G-16604
2. WRD - Ken Stahr

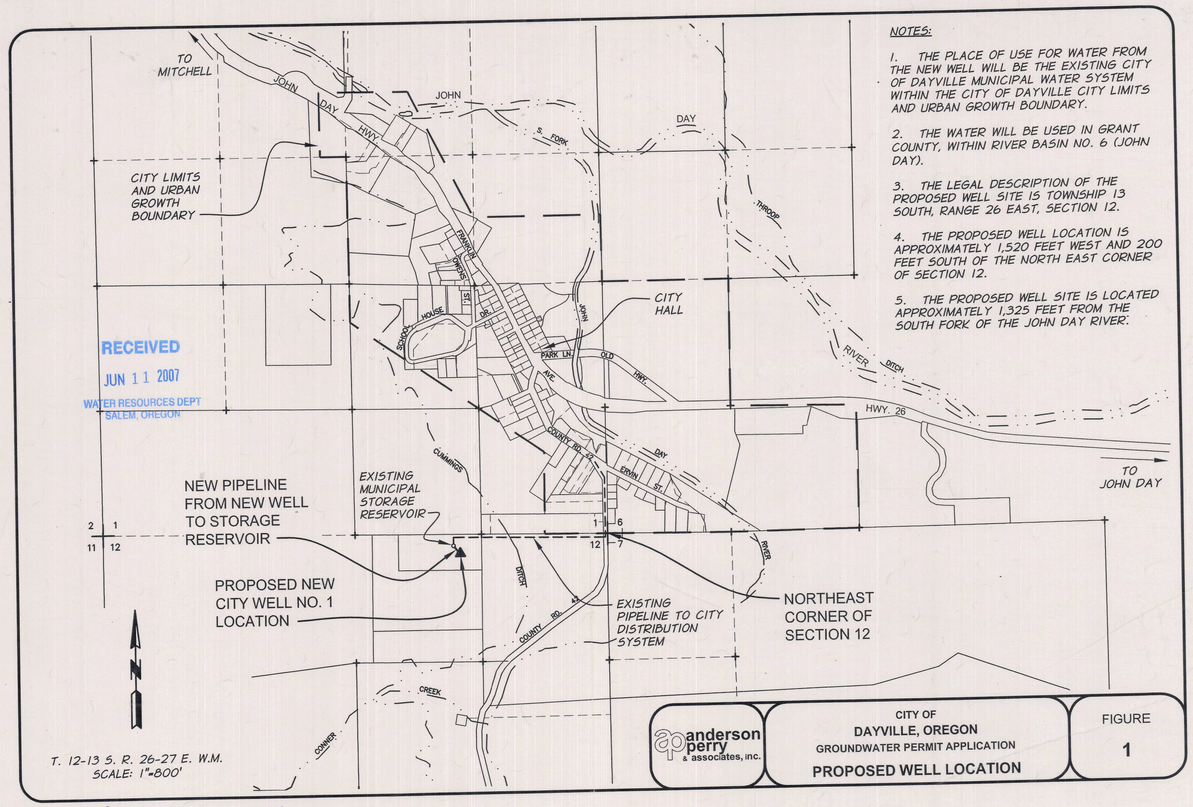
Copies Mailed
By: MS
(SUPPORT STAFF)
on: 1/18/08
(DATE)

FO and Map Copies sent to (remember to reduce copy margins):
3. WRD - Watermaster District #: 4
4. WRD - Regional Manager: NCR
6. Regional Well Inspector (NCR)
7. Oregon Parks and Recreation Department

Copies sent to Other Interested Persons *(CWRE, Agent, Commenter, etc.)*
8. Brad D. Baird, P.E. Anderson Perry & Associates, Inc. 1901 N. Fir, P.O. Box 1107, La Grande, 97850-0939

"$10 LETTER" sent to Interested Persons who have not protested or paid for copies
1.

CASEWORKER : Alyssa Mucken



RECEIVED
JUN 11 2007
WATER RESOURCES DEPT
SALEM, OREGON

NOTES:

1. THE PLACE OF USE FOR WATER FROM THE NEW WELL WILL BE THE EXISTING CITY OF DAYVILLE MUNICIPAL WATER SYSTEM WITHIN THE CITY OF DAYVILLE CITY LIMITS AND URBAN GROWTH BOUNDARY.

2. THE WATER WILL BE USED IN GRANT COUNTY, WITHIN RIVER BASIN NO. 6 (JOHN DAY).

3. THE LEGAL DESCRIPTION OF THE PROPOSED WELL SITE IS TOWNSHIP 13 SOUTH, RANGE 26 EAST, SECTION 12.

4. THE PROPOSED WELL LOCATION IS APPROXIMATELY 1,520 FEET WEST AND 200 FEET SOUTH OF THE NORTH EAST CORNER OF SECTION 12.

5. THE PROPOSED WELL SITE IS LOCATED APPROXIMATELY 1,325 FEET FROM THE SOUTH FORK OF THE JOHN DAY RIVER.

anderson perry & associates, inc.

CITY OF
DAYVILLE, OREGON
GROUNDWATER PERMIT APPLICATION
PROPOSED WELL LOCATION

FIGURE
1

G-16604 G-16279

Q:\DAYVILLE\WATER06\DWG\FIG-1.dwg, FIG1, 6/6/2007 2:26:53 PM, dchristmon

FO Checklist

Application #: G-16604 **Applicant:** CITY OF DAYVILLE

__/ Has applicant **name and/or address changed**, or has the file been **assigned**? Y / (N)
If new: _____

__/ Were **comments** received? If so, from whom and when? no
Respond to significant comments, issues, or disputes related to the proposed use of water

__/ **Verify names and mailing addresses** of all commenters, affected landowners and those who paid $10 fee on PFO cc: list.

__/ Have **affected landowner**(s) been notified? Y / N / (NA) If not, do not issue FO. Send a letter to affected landowner(s).

__/ Has ODFW asked for **screening** condition and rate ≤ **0.5 CFS**? Y / N / (NA) If yes, include fish screening form.

__/ Are requested **GW conditions included** in permit? (Y) / N / NA If not, add condition(s) _____

__/ Do PFO conclusions **require modification** due to typos or errors? Y / (N) What and why? _____

_____

_____

__/ If **in North Umpqua settlement reach and you're issuing a permit**, did you update the spreadsheet(s)? Y / N / (NA)

__/ **Fees**

Base Fee	Water Amount (Q) 100gpm = 0.22 cfs	
$150 / $250 $300 / $500	1st CFS/AF	200
	_____ Addl @ _____	+ _____

300 (base) + 200 (Q) = 500 (total exam fee)

EXAM FEE REQUIRED	500	RECORDING FEE REQUIRED	$175 / $250 / $300
EXAM FEE PAID	-500	RECORDING FEE PAID	-300
STILL OWED	0	STILL OWED	0

FO type __ DENIAL __/ FO w/ Permit # G-16279 __ FO w/o permit __ lacks fees
__ lacks easement
__ lacks approved dam plans & specs

Name: Alyssa Mucken **Date:** 1/3/2008 **Peer Reviewer:** Kerry

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PFO Checklist

Application #: G-16604 **Applicant:** CITY OF DAYVILLE

Shortcomings preventing PFO? Y / (N) Should process continue? (Y) / N

IR Date June 1, 2007 **Public Notice Date** June 5, 2007 ✓ pgs **Comments received?** Y / (N)

Was **additional information requested** in the IR? (Y) / N If so, do we now have enough info to do the PFO? (Y) / N - submitted revised map w/ pipeline - language regarding irrigation distribution canal was in error :. n/a

Was the application **filed after 10/23/99**? (Y) / N (If not, add A date requirement)

B.O.R. or Doug Co. project Y / (N) Contract in file? N contract # _____

IR identifies as **DEQ 303d**? Y / N / (NA) Comments received? Y / N _____

Is **second gw review** necessary? Y / (N) / NA Complete? Y / N

Water Availability OK / REDONE / (NA) _____

Have **conflicts** been addressed? Y / (N) / NA _____

Changes from IR determinations nme

Copy to #4, ewell inspector
reg. man. NLR
Brad Baird, CWCE

Fees

Base Fee	Water Amount (Q) (100 gpm = 0.22 CFS)	
$150 / $250 $300 / $500	1st CFS/AF	_____
	_____ Addl @ _____ +	_____

300 (base) + 200 (Q) = 500 (total exam fee)

EXAM FEE REQUIRED	500	RECORDING FEE REQUIRED	$175 / $250 / $300
EXAM FEE PAID	- 500	RECORDING FEE PAID	- Ø
STILL OWED	Ø	STILL OWED	300

Name: Alyssa Mucken **Date:** 9/6/2007 **Peer Reviewer:** ~~Kenny~~ JMC

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IR CHECKLIST

Application #: G-16604 **Applicant:** ROBERT WALTENBURG CITY OF DAYVILLE

Use(s): MUNICIPAL USES **Priority Date:** January 19, 2006

If municipal or quasi-municipal: ☑ reviewed by Bill Fujii (Y) / N / NA ☐ Construction will be completed within 20 years.

Is the **application complete?** (Y) / N

Prohibited by ORS 538? Y / (N) If so, do not do an IR; return the application & fees to the applicant.

GW Review ☐ surface classification triggered ☐ PSI with stream: _____

☑ will not ☑ will likely be available ...without injury... and/or within the capacity of the resource
☑ will, if properly conditioned, avoid injury to existing ground water rights or to the ground water resource 7A & 7J -and basalt
☐ The well is located in GWLA or CGWA or T1N R3E Sec 20, 21, 28, 29. (If checked, include a basin map noting POD.)

WM Dist (**NWR** - 1 2 16 18 20) (**NCR** - 3 (4) 5 21) (**ER** - 6 8 9 10) (**SCR** - 11 12 17) (**SWR** - 13 14 15 19)

DIVISION 33 Y / (N) / NA (If Y, attach basin map w/ pod)
Eric Julsrud
☑ Above Bonneville (if checked not allowed April 15 - September 30?
☐ Below Bonneville
☐ Statewide

SW Availability ☐ NA ☐ 80% live ☐ 50% storage _____ WID: 6-719

☐ Use DWF's nonstandard W/A memo if the source is a Drews Reservoir tributary; the Snake River; the Columbia River; the North Umpqua River below Rock Creek; or within the drainages of the Lost River, Chehalem Creek, or Champoeg Creek (including Mission & Case Creeks)

Is there a **conflict?** Y / (N) / NA _____

☐ If conflict, are rights from a different source?
☐ If supplemental, check for primary right on same land
☐ will this be making up a deficiency in rate?

Allowed under **Basin Program** (Y) / N Limitations? Y / (N) 690-506-0040(7)(c)

303D Y / N / (NA) **IN GEOGRAPHIC UMATILLA** Y / (N) **BOTTLED WATER** Y / (N)
(cc: DEQ Regional Manager) (cc: CTUIR) (cc: DOA Food Safety Division)

Rate _____ **Rate** Max Req 100 gpm ≈ 0.22 CFS
Duty _____ **Season** Allowed Req year-round

Land use : (OK) needs approval county notified NA

Storage Contracts: ☐ USBOR ☐ Army Corps of Engineers ☐ Douglas County ~~☐ NA~~

contract # _____

Agent: Has the applicant authorized someone to act as an agent? Y / N

Conditions: government: 7A & 7J; Large; and basalt

Small ≤ 0.1 CFS, ≤ 9.2 AF, **Medium** > 0.1 and < 1.5 CFS, > 9.2 and < 100AF, **Large** ≥ 1.5 CFS, ≥ 100 AF
Use "Medium" when the source is Siltcoos Lake Sandy Basin ground water, or stored water with a contract.
Use "Large" when permit has 7I, temp control (including NU) or HC above a SWW, Tenmile Lake, or when the applicant is a government entity
Use "Large with totalizing flow meter" for IR permits in South Salem Hills or IR over 10 Ac. in Stage Gulch CGWA

Application #: G-16604 **Applicant:** ROBERT WALTENBURG CITY OF DAYVILLE

Is the stream **withdrawn?** Y / N / (NA) season allowed _____

Basin Maps have been checked (Y) / N **River Mile** South Fork Sub-basin between RM 2 1/2 of John Day R RM 2-3 of S FK John Day

SWW ABOVE WITHIN NA Name John Day SWW (If above or within, notify Parks.)

Is the source a **high priority for streamflow restoration**? Y / N / (NA)

Letter format (Good) Limited Bad Bad w/ HC Opportunity

If **in North Umpqua settlement reach,** did you update the spreadsheet(s)? Y / N / (NA)

CWRE, representative, etc. to notify? (Y) / N Brad Baird, P.E., C anderson-perry & associates

Addn'l info req'd? ~~Y~~ / ~~N~~ X need mainlines drawn on map.
(If Y, send certified)

Attachments included? Y / (N) / NA _____

E-mailed Tim, including note if negative? Y / N

Fees

Base Fee	Water Amount (Q) (0.22 CFS)	
$100 / $150 $250 / $300	1st CFS/AF	200
	_____ Addl CFS/AF @ _____	+ _____

300 (base) + 200 (Q) = 500 (total exam fee)

EXAM FEE REQUIRED	500
EXAM FEE PAID	- 500
STILL OWED	Ø

Name: Alyssa Mucken **Date:** 4/27/2007 **Peer Reviewer:** anita

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Sections

TOWNSHIP	TWP_CHAR	RANGE	RNG_CHAR	SECTION	LINK1
13	S	26	E	12	Well log images

Records Found: 1

County

COUNTY	FIPS
Grant	41023

Records Found: 1

Basins

BASIN_NUM	BASIN_NAME
6	John Day

Records Found: 1

WaterMaster Districts

OBJECTID	DISTRICT_N	REGION	WATERMASTE	ADDRESS	CITY	ZIP_CODE	VOICE	EXTENSION	FAX	SHAPE_AREA	SHAPE_
20	4	NC	Eric Julsrud	Grant Co Courthouse, 201 S. Humbolt St, Suite 180	Canyon City	97820	541-575-0119		541-575-2248	133176927131	2476183

Records Found: 1

WAB

GAGE	BASIN	LINK1	LINK2
219	6	Water Availability: 50% 80%	Peak Flow Analysis

Records Found: 1

Groundwater Restricted **Records Found:** 0

Divison 33 Area

DIV33
In a Div33 area

Records Found: 1

Rule 4D

RULE4D
In a Rule4D Area

Records Found: 1

Place of Use (John Day) **Records Found:** 0

Application G-16604

WATER RESOURCES DEPARTMENT

DIVISION 506

JOHN DAY BASIN PROGRAM

609-506-0040

Classifications

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) of this section:

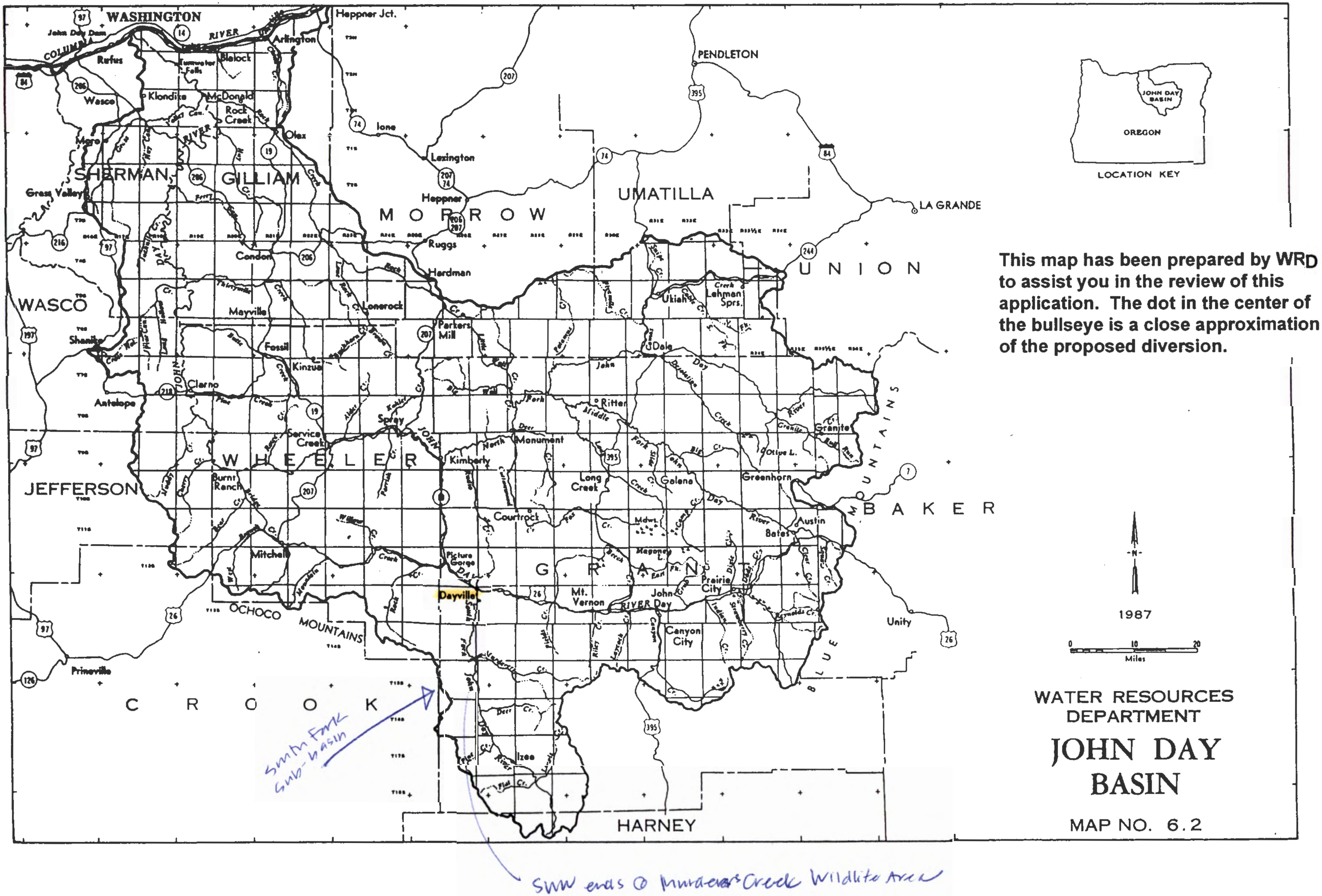
(A) Black Canyon Creek;
(B) Murderers Creek;
(C) Deer Creek;
(D) Wind Creek;
(E) Sunflower Creek;
(F) Indian Creek;
(G) Flat Creek;
(H) Lewis Creek;
(I) Corral Creek;
(J) Venator Creek.

(b) Permitted Uses: Irrigation between January 1 and June 15 or using waters legally stored between January 1 and June 15, domestic, livestock, ground water recharge, fire protection, fish life, wildlife, pollution abatement, and recreation;

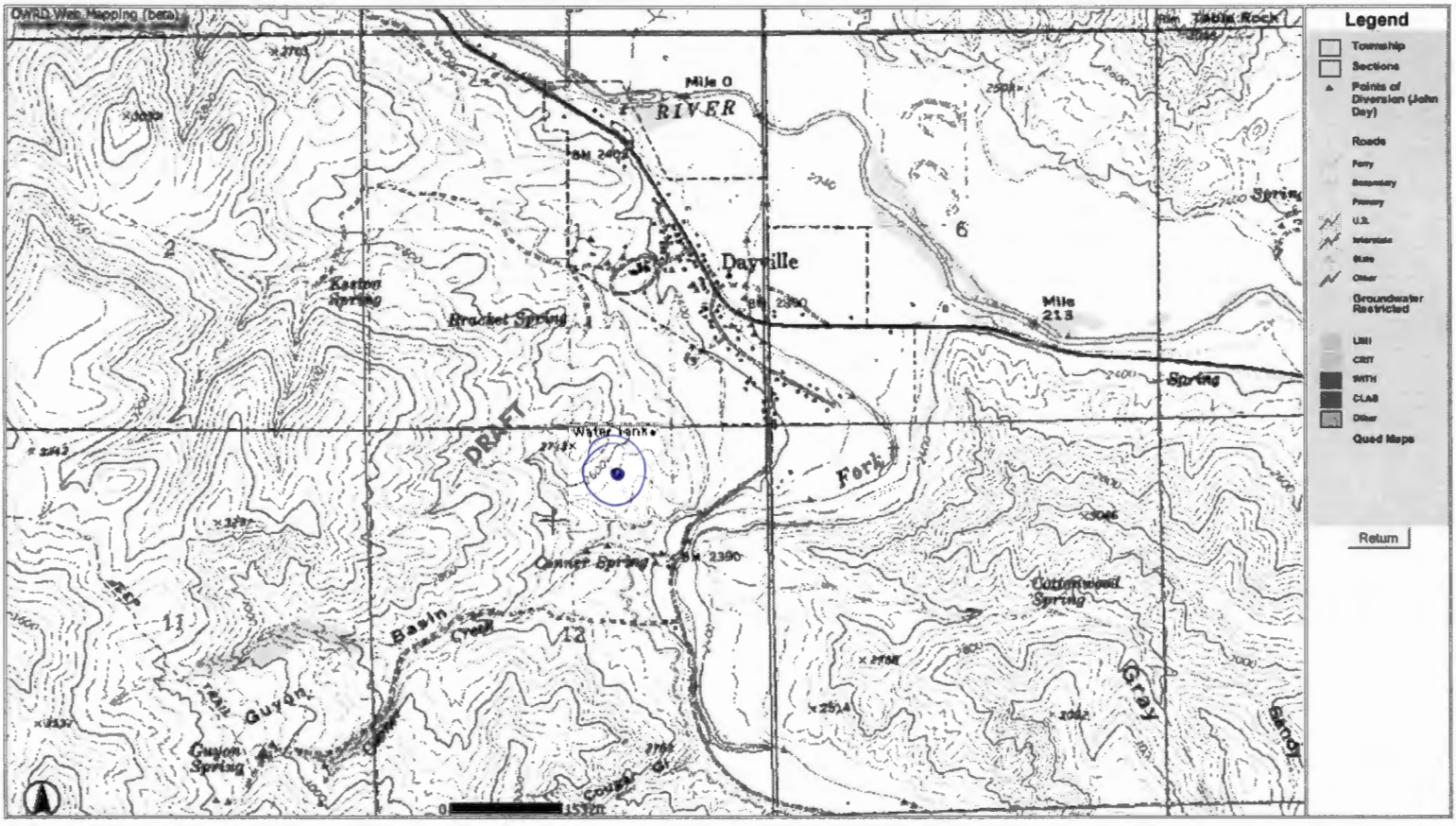
(c) Conditional Uses: Irrigation using no more water during the months shown than those quantities listed below, power in association with storage or for residential applications, agricultural use, **municipal**, commercial, industrial, and mining. Monthly Irrigation Water Use (acre-feet/acre):

(A) June 15 - 30, 0.30;
(B) July, 0.90
(C) August, 0.70;
(D) September, 0.20.

(d) The waters of Gunyon Springs, tributary to Conner Creek, are classified for municipal use by the City of Dayville.


This map has been prepared by WRD to assist you in the review of this application. The dot in the center of the bullseye is a close approximation of the proposed diversion.
WATER RESOURCES DEPARTMENT
JOHN DAY BASIN
MAP NO. 6.2
1987
LOCATION KEY
OREGON
JOHN DAY BASIN
WASHINGTON
MORROW
UMATILLA
UNION
BAKER
GRANT
WHEELER
JEFFERSON
WASCO
SHERMAN
GILLIAM
CROOK
HARNEY
PENDLETON
LA GRANDE
Heppner Jct.
Arlington
Condon
Fossil
Spray
Kimberly
Monument
Dayville
Mt. Vernon
John Day
Canyon City
Prairie City
Mitchell
Prineville
Izee
OCHOCO MOUNTAINS
BLUE MOUNTAINS
Smith Fork Sub-basin
SWW ends @ Murderers Creek Wildlife Area

G-16604, City of Dayville



GROUND WATER ALLOCATIONS ABOVE SWW WITH P OF E
CONSUMPTIVE USE ABOVE SCENIC WATER WAYS
JOHN DAY R > COLUMBIA R - AT MOUTH

Watershed ID#: 209 Basin: JOHN DAY
Time: 12:57 Date: 04/23/2007

Month	WA Off Date	50% NSF	Maximum Allowable CU	Currently Allocated CU	Remaining Allocable CU
1	0/ 0/ 0	1250.000	1.000	0.000	1.000
2	Before 1/1/1993	2440.000	1.000	0.067	0.933
3	Before 1/1/1993	3250.000	1.000	mar 0.067	0.933
4	0/ 0/ 0	4860.000	1.000	0.000	1.000
5	0/ 0/ 0	5050.000	1.000	0.000	1.000
6	Before 1/1/1993	2700.000	1.000	jun 0.133	0.867
7	Before 1/1/1993	715.000	1.000	0.133	0.867
8	Before 1/1/1993	340.000	1.000	0.133	0.867
9	Before 1/1/1993	271.000	1.000	0.133	0.867
10	Before 1/1/1993	380.000	1.000	0.067	0.933
11	Before 1/1/1993	542.000	1.000	0.067	0.933
12	Before 1/1/1993	940.000	1.000	0.067	0.933

Pote values interpolated from WRB 209

GROUND WATER ALLOCATIONS ABOVE SWW WITH P OF E
CONSUMPTIVE USE ABOVE SCENIC WATER WAYS

APPROPRIATION ALLOWED
S FK JOHN DAY R > JOHN DAY R - AB UNN STR

Watershed ID#: 30620134 Basin: JOHN DAY
Time: 12:57 Date: 04/23/2007

Select an Item Number for Calculation Details

Item #	Watershed ID #	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	209	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
2	210	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
3	30620134	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

GROUND WATER ALLOCATIONS ABOVE SWW WITH P OF E
CONSUMPTIVE USE ABOVE SCENIC WATER WAYS

LIMITING SCENIC WATER WAY REACHES
S FK JOHN DAY R > JOHN DAY R - AB UNN STR

Watershed ID#: 30620134 Basin: JOHN DAY
Time: 12:59 Date: 04/23/2007

Mnth	Limiting Watershed	Stream Name	Water Avail?	Net Water Available
1	209	JOHN DAY R > COLUMBIA R - AT MOUTH	YES	1.000
2	209	JOHN DAY R > COLUMBIA R - AT MOUTH	YES	0.933
3	209	JOHN DAY R > COLUMBIA R - AT MOUTH	YES	0.933
4	209	JOHN DAY R > COLUMBIA R - AT MOUTH	YES	1.000
5	209	JOHN DAY R > COLUMBIA R - AT MOUTH	YES	1.000
6	209	JOHN DAY R > COLUMBIA R - AT MOUTH	YES	0.867
7	209	JOHN DAY R > COLUMBIA R - AT MOUTH	YES	0.867
8	209	JOHN DAY R > COLUMBIA R - AT MOUTH	YES	0.867
9	209	JOHN DAY R > COLUMBIA R - AT MOUTH	YES	0.867
10	209	JOHN DAY R > COLUMBIA R - AT MOUTH	YES	0.933
11	209	JOHN DAY R > COLUMBIA R - AT MOUTH	YES	0.933
12	209	JOHN DAY R > COLUMBIA R - AT MOUTH	YES	0.933

PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS

TO: Water Rights Section Date **April 24, 2006**

ROM: Ground Water/Hydrology Section **Michael Zwart**
Reviewer's Name

SUBJECT: Application G- **16604** Supersedes review of **N/A**
Date of Review(s)

PUBLIC INTEREST PRESUMPTION; GROUNDWATER

OAR 690-310-130 (1) *The Department shall presume that a proposed groundwater use will ensure the preservation of the public welfare, safety and health as described in ORS 537.525.* Department staff review ground water applications under OAR 690-310-140 to determine whether the presumption is established. OAR 690-310-140 allows the proposed use be modified or conditioned to meet the presumption criteria. **This review is based upon available information and agency policies in place at the time of evaluation.**

A. GENERAL INFORMATION: Applicant's Name: **City of Dayville** County: **Grant**

A1. Applicant(s) seek(s) **0.223** cfs from **one** well(s) in the **John Day** Basin, _____ subbasin Quad Map: **Dayville**

A2. Proposed use: **Municipal** Seasonality: **Year Round**

A3. Well and aquifer data **(attach and number logs for existing wells; mark proposed wells as such under logid)**:

Well	Logid	Applicant's Well #	Proposed Aquifer*	Proposed Rate(cfs)	Location (T/R-S QQ-Q)	Location, metes and bounds, e.g. 2250' N, 1200' E fr NW cor S 36
1	**Proposed**	**1**	**CRB**	**0.223**	**13S/26E-12 NW-NE**	**1520' W, 200' S fr NE cor S 12**
2						
3						
4						
5						

Alluvium, CRB, Bedrock

Well	Well Elev ft msl	First Water ft bls	SWL ft bls	SWL Date	Well Depth (ft)	Seal Interval (ft)	Casing Intervals (ft)	Liner Intervals (ft)	Perforations Or Screens (ft)	Well Yield (gpm)	Draw Down (ft)	Test Type
1	**2565**	**200**	**200?**		**300**	**0-75**	**0-225**	**None**	**100-300?**			

Use data from application for proposed wells.

A4. **Comments:** **The proposed well construction is as on the application, but I question the need for perforations above the likely water-bearing zone and alsothe estimated static water level. Based on the nearby wells, including GRAN 50742, the static should be shallower, probably in the range of 40 to 100 feet below land surface.**

A5. ☒ **Provisions of the John Day** Basin rules relative to the development, classification and/or management of ground water hydraulically connected to surface water ☐ **are**, *or* ☒ **are not**, activated by this application. (Not all basin rules contain such provisions.)
Comments: _____

6. ☐ **Well(s) #** _____, _____, _____, _____, _____, tap(s) an aquifer limited by an administrative restriction.
Name of administrative area: _____
Comments: _____

B. GROUND WATER AVAILABILITY CONSIDERATIONS, OAR 690-310-130, 400-010, 410-0070

B1. **Based upon available data**, I have determined that ground water* for the proposed use:

a. ☐ **is** over appropriated, ☐ **is not** over appropriated, *or* ☒ **cannot be determined to be** over appropriated during any period of the proposed use. * This finding is limited to the ground water portion of the over-appropriation determination as prescribed in OAR 690-310-130;

b. ☐ **will not** *or* ☒ **will** likely be available in the amounts requested without injury to prior water rights. * This finding is limited to the ground water portion of the injury determination as prescribed in OAR 690-310-130;

c. ☐ **will not** *or* ☒ **will** likely to be available within the capacity of the ground water resource; or

d. ☒ **will, if properly conditioned**, avoid injury to existing ground water rights or to the ground water resource:
   i. ☒ The permit should contain condition #(s) **7A**;
   ii. ☒ The permit should be conditioned as indicated in item 2 below.
   iii. ☐ The permit should contain special condition(s) as indicated in item 3 below;

B2. a. ☐ **Condition** to allow ground water production from no deeper than _____ ft. below land surface;

b. ☐ **Condition** to allow ground water production from no shallower than _____ ft. below land surface;

c. ☒ **Condition** to allow ground water production only from the **basalt** ground water reservoir between approximately _____ ft. and _____ ft. below land surface;

d. ☐ **Well reconstruction** is necessary to accomplish one or more of the above conditions. The problems that are likely to occur with this use and without reconstructing are cited below. Without reconstruction, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Ground Water Section.

Describe injury –as related to water availability– that is likely to occur without well reconstruction (interference w/ senior water rights, not within the capacity of the resource, etc): _____

B3. **Ground water availability remarks:** _____

C. GROUND WATER/SURFACE WATER CONSIDERATIONS, OAR 690-09-040

1. **690-09-040 (1):** Evaluation of aquifer confinement:

Well	Aquifer or Proposed Aquifer	Confined	Unconfined
1	**Basalt of the Columbia River Basalt Group**	☒	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐

Basis for aquifer confinement evaluation: **Water-bearing zones within the CRB are typically confined.**

C2. **690-09-040 (2) (3):** Evaluation of distance to, and hydraulic connection with, surface water sources. All wells located a horizontal distance less than ¼ mile from a surface water source that produce water from an unconfined aquifer shall be assumed to be hydraulically connected to the surface water source. Include in this table any streams located beyond one mile that are evaluated for PSI.

Well	SW #	Surface Water Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)	Hydraulically Connected? YES	NO	ASSUMED	Potential for Subst. Interfer. Assumed? YES	NO
1	1	**S. Fork John Day River**	**2500***	**2380**	**1300**	☐	☒	☐	☐	☒
1	2	**John Day River**	**2500***	**2320**	**4500**	☒	☐	☐	☐	☒
						☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐

Basis for aquifer hydraulic connection evaluation: ***Estimated. The mainstem John Day River is likely to breach the major water-bearing zones penetrated at the proposed well, based largely on the logs of nearby wells. Hydraulic connection is likely indirect, through overlying alluvial deposits.**

Water Availability Basin the well(s) are located within: **S Fork John Day R > John Day R at mouth (219); John Day R > Columbia R ab N Fork John Day R (211).**

C3a. **690-09-040 (4):** Evaluation of stream impacts for each well that has been determined or assumed to be **hydraulically connected and less than 1 mile** from a surface water source. Limit evaluation to instream rights and minimum stream flows that are pertinent to that surface water source, and not lower SW sources to which the stream under evaluation is tributary. Compare the requested rate against the 1% of 80% *natural* flow for the pertinent Water Availability Basin (WAB). If Q is not distributed by well, use full rate for each well. Any checked ☒ box indicates the well is assumed to have the potential to cause PSI.

Well	SW #	Well < ¼ mile?	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
1	2	☐	☐	**211**	**60.0**	☐	**95.6**	☐	**<25%**	☐
		☐	☐			☐		☐		☐
		☐	☐			☐		☐		☐
		☐	☐			☐		☐		☐
		☐	☐			☐		☐		☐
		☐	☐			☐		☐		☐
		☐	☐			☐		☐		☐

C3b. **690-09-040 (4):** Evaluation of stream impacts by total appropriation for all wells determined or assumed to be **hydraulically connected and less than 1 mile** from a surface water source. **Complete only if Q is distributed among wells**. Otherwise same evaluation and limitations apply as in C3a above.

	SW #		Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
			☐			☐		☐		☐
			☐			☐		☐		☐
			☐			☐		☐		☐
			☐			☐		☐		☐

Comments:

C4a. **690-09-040 (5):** Estimated impacts on **hydraulically connected surface water sources greater than one mile** as a percentage of the proposed pumping rate. Limit evaluation to the effects that will occur up to one year after pumping begins. This table encompasses the considerations required by 09-040 (5)(a), (b), (c) and (d), which are not included on this form. Use additional sheets if calculated flows from more than one WAB are required.

Non-Distributed Wells

Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													

Distributed Wells

Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
(A) = Total Interf.												
(B) = 80 % Nat. Q												
(C) = 1 % Nat. Q												
(D) = (A) > (C)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
(E) = (A / B) x 100	%	%	%	%	%	%	%	%	%	%	%	%

) = total interference as CFS; (B) = WAB calculated natural flow at 80% exceed. as CFS; (C) = 1% of calculated natural flow at 80% exceed. as FS; (D) = highlight the checkmark for each month where (A) is greater than (C); (E) = total interference divided by 80% flow as percentage.

Basis for impact evaluation:

C4b. **690-09-040 (5) (b) The potential to impair or detrimentally affect the public interest is to be determined by the Water Rights Section.**

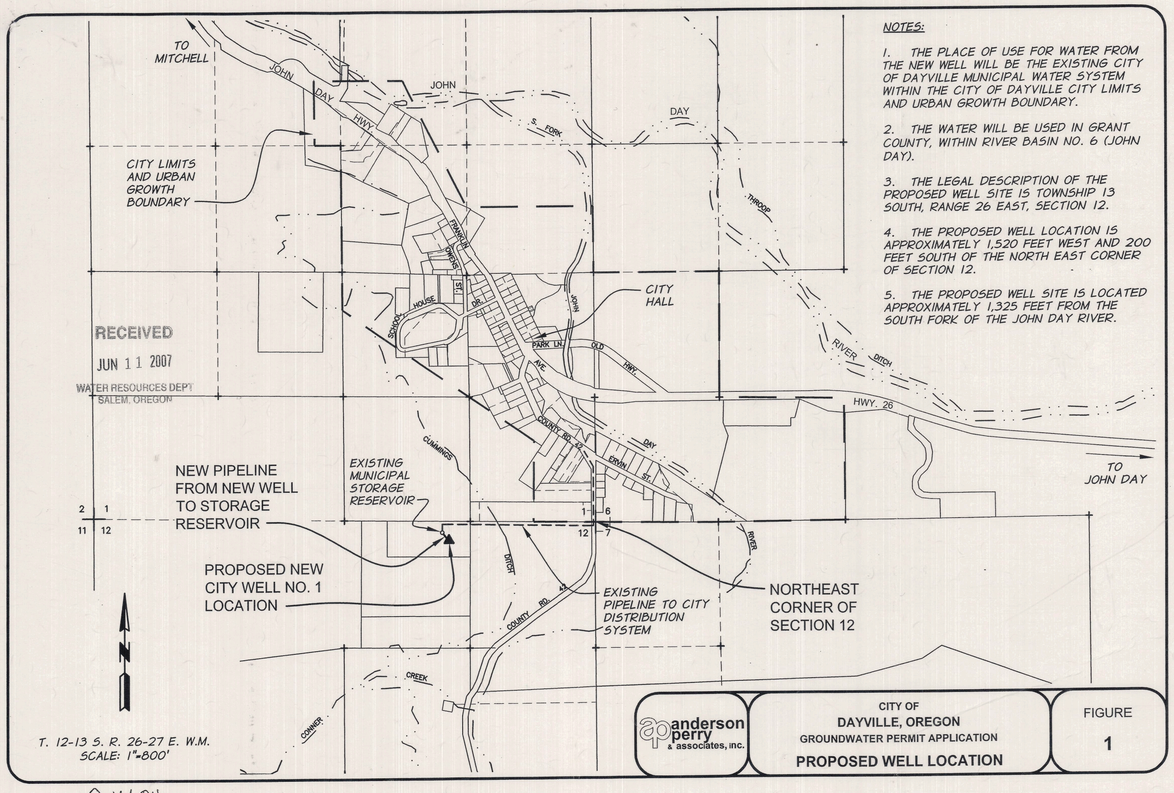
C5. ☒ **If properly conditioned**, the surface water source(s) can be adequately protected from interference, and/or ground water use under this permit can be regulated if it is found to substantially interfere with surface water:

i. ☒ The permit should contain condition #(s) **7A**;

ii. ☐ The permit should contain special condition(s) as indicated in "Remarks" below;

C6. **SW / GW Remarks and Conditions**

References Used: Nearby well logs; Geologic Map of the Canyon City Quadrangle (Map I-447), by Brown and Thayer, 1966.



RECEIVED
JUN 11 2007
WATER RESOURCES DEPT
SALEM, OREGON

NOTES:

1. THE PLACE OF USE FOR WATER FROM THE NEW WELL WILL BE THE EXISTING CITY OF DAYVILLE MUNICIPAL WATER SYSTEM WITHIN THE CITY OF DAYVILLE CITY LIMITS AND URBAN GROWTH BOUNDARY.

2. THE WATER WILL BE USED IN GRANT COUNTY, WITHIN RIVER BASIN NO. 6 (JOHN DAY).

3. THE LEGAL DESCRIPTION OF THE PROPOSED WELL SITE IS TOWNSHIP 13 SOUTH, RANGE 26 EAST, SECTION 12.

4. THE PROPOSED WELL LOCATION IS APPROXIMATELY 1,520 FEET WEST AND 200 FEET SOUTH OF THE NORTH EAST CORNER OF SECTION 12.

5. THE PROPOSED WELL SITE IS LOCATED APPROXIMATELY 1,325 FEET FROM THE SOUTH FORK OF THE JOHN DAY RIVER.

anderson perry & associates, inc.

CITY OF
DAYVILLE, OREGON
GROUNDWATER PERMIT APPLICATION
PROPOSED WELL LOCATION

FIGURE
1

G-16604

Q:\DAYVILLE\WATER06\DWG\FIG-1.dwg, FIG1, 6 6 2007 2:26:53 PM, dchristmon

D. WELL CONSTRUCTION, OAR 690-200

1. **Well #:** _____ **Logid:** _____

D2. **THE WELL 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) _____

D3. **THE WELL construction deficiency**:
- a. ☐ constitutes a health threat under Division 200 rules;
- b. ☐ commingles water from more than one ground water reservoir;
- c. ☐ permits the loss of artesian head;
- d. ☐ permits the de-watering of one or more ground water reservoirs;
- e. ☐ other: (specify) _____

D4. **THE WELL construction deficiency is described as follows:** _____

D5. **THE WELL**
- a. ☐ **was**, *or* ☐ **was not** constructed according to the standards in effect at the time of original construction or most recent modification.
- b. ☐ I don't know if it met standards at the time of construction.

_6. ☐ **Route to the Enforcement Section.** I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Enforcement Section and the Ground Water Section.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

D7. ☐ Well construction deficiency has been corrected by the following actions: _____

_____ _____, 200____.

(Enforcement Section Signature)

D8. ☐ **Route to Water Rights Section (attach well reconstruction logs to this page).**

WATER RESOURCES DEPARTMENT

MEMO April 24, 2006

TO: **Application G-** 16604

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

SUBJECT: **Scenic Waterway Interference Evaluation**

✓ YES
The source of appropriation is within or above a Scenic Waterway
_____ NO

✓ YES
Use the Scenic Waterway condition (Condition 7J)
_____ NO

✓ Per ORS 390.835, the Ground Water Section is **able** to calculate ground water interference with surface water that contributes to a Scenic Waterway. The calculated interference is distributed below.

_____ Per ORS 390.835, the Ground Water Section is **unable** to calculate ground water interference with surface water that contributes to a scenic waterway; **therefore, the Department is unable to find that there is a preponderance of evidence that the proposed use will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway.**

DISTRIBUTION OF INTERFERENCE

Calculate the percentage of consumptive use by month and fill in the table below. If interference cannot be calculated, per criteria in 390.835, do not fill in the table but check the "unable" option above, thus informing Water Rights that the Department is unable to make a Preponderance of Evidence finding.

Exercise of this permit is calculated to reduce monthly flows in John Day Scenic Waterway by the following amounts expressed as a proportion of the consumptive use by which surface water flow is reduced. (Proposed use is municipal (non-seasonal))

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083

Watershed ID #: 211 Basin: JOHN DAY Exceedance Level: 80
Time: 15:57 Date: 04/24/2006

Month	Natural Stream Flow	Consumptiv Use and Storage	Expected Stream Flow	Reserved Stream Flow	Instream Require-ments	Net Water Available
1	263.00	10.80	252.00	9.54	120.00	123.00
2	388.00	13.40	375.00	16.40	160.00	198.00
3	546.00	16.10	530.00	24.50	160.00	345.00
4	813.00	54.30	759.00	35.70	160.00	563.00
5	717.00	96.60	620.00	29.50	160.00	431.00
6	387.00	123.00	265.00	12.80	120.00	132.00
7	181.00	168.00	13.30	0.00	60.00	-46.70
8	118.00	132.00	-13.50	0.00	60.00	-73.50
9	95.60	89.90	5.71	0.00	60.00	-54.30
10	154.00	38.20	116.00	0.00	60.00	55.80
11	206.00	9.02	197.00	0.00	120.00	77.00
12	240.00	9.89	230.00	6.69	120.00	103.00
Stor-50%	403000	46100	357000	8120	81800	271000

DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES
Water Availability as of 4/24/2006 for
JOHN DAY R > COLUMBIA R - AB N FK JOHN DAY R

Watershed ID #: 211 Basin: JOHN DAY Exceedance Level: 80
Time: 15:57 Date: 04/24/2006

Mo	Storage	Irrig	Munic	Ind/Man	Commer	Domest	Agricul	Other	Total
1	4.32	0.00	3.79	0.51	0.10	0.89	1.19	0.00	10.80
2	6.92	0.00	3.79	0.51	0.10	0.89	1.19	0.00	13.40
3	9.56	0.00	3.79	0.51	0.10	0.89	1.19	0.00	16.00
4	13.50	34.30	3.79	0.51	0.10	0.89	1.19	0.00	54.30
5	12.00	78.30	3.79	0.51	0.10	0.89	1.19	0.00	96.80
6	7.28	105.00	7.58	0.51	0.10	0.89	1.19	0.00	123.00
7	2.77	155.00	7.58	0.51	0.10	0.89	1.19	0.00	168.00
8	1.46	120.00	7.58	0.51	0.10	0.89	1.19	0.00	132.00
9	1.23	78.40	7.58	0.51	0.10	0.89	1.19	0.00	89.90
10	2.04	29.60	3.79	0.51	0.10	0.89	1.19	0.00	38.10
11	2.54	0.00	3.79	0.51	0.10	0.89	1.19	0.00	9.03
12	3.40	0.00	3.79	0.51	0.10	0.89	1.19	0.00	9.89

DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE
Water Availability as of 4/24/2006 for
JOHN DAY R > COLUMBIA R - AB N FK JOHN DAY R

Watershed ID #: 211 Basin: JOHN DAY Exceedance Level: 80
Time: 15:57 Date: 04/24/2006

	Reservations						
APP #	RN 80601	0	0	0	0	0	TOTAL
Status Use	Reser. Storage						
1	9.54	0.00	0.00	0.00	0.00	0.00	9.54
2	16.40	0.00	0.00	0.00	0.00	0.00	16.40
3	24.50	0.00	0.00	0.00	0.00	0.00	24.50
4	35.70	0.00	0.00	0.00	0.00	0.00	35.70
5	29.50	0.00	0.00	0.00	0.00	0.00	29.50
6	12.80	0.00	0.00	0.00	0.00	0.00	12.80
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00

12	6.69	0.00	0.00	0.00	0.00	0.00	6.69

DETAILED REPORT OF INSTREAM REQUIREMENTS
Water Availability as of 4/24/2006 for
JOHN DAY R > COLUMBIA R - AB N FK JOHN DAY R

Watershed ID #: 211 Basin: JOHN DAY Exceedance Level: 80
Time: 15:57 Date: 04/24/2006

		ISWRs					
APP #	MF 211	0	0	0	0	0	0	MAXIMUM
Status	Cert.							
1	120.00	0.00	0.00	0.00	0.00	0.00	0.00	120.00
2	160.00	0.00	0.00	0.00	0.00	0.00	0.00	160.00
3	160.00	0.00	0.00	0.00	0.00	0.00	0.00	160.00
4	160.00	0.00	0.00	0.00	0.00	0.00	0.00	160.00
5	160.00	0.00	0.00	0.00	0.00	0.00	0.00	160.00
6	120.00	0.00	0.00	0.00	0.00	0.00	0.00	120.00
7	60.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00
8	60.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00
9	60.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00
10	60.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00
11	120.00	0.00	0.00	0.00	0.00	0.00	0.00	120.00
12	120.00	0.00	0.00	0.00	0.00	0.00	0.00	120.00

1

10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	6.69	0.00	0.00	0.00	0.00	0.00	0.00	6.69

DETAILED REPORT OF INSTREAM REQUIREMENTS
Water Availability as of 4/24/2006 for
JOHN DAY R > COLUMBIA R - AB N FK JOHN DAY R

Watershed ID #: 211 Basin: JOHN DAY Exceedance Level: 80
Time: 15:09 Date: 04/24/2006

	ISWRs						
APP # / MF 211	0	0	0	0	0	0	MAXIMUM
Status / Cert.							
1	120.00	0.00	0.00	0.00	0.00	0.00	0.00	120.00
2	160.00	0.00	0.00	0.00	0.00	0.00	0.00	160.00
3	160.00	0.00	0.00	0.00	0.00	0.00	0.00	160.00
4	160.00	0.00	0.00	0.00	0.00	0.00	0.00	160.00
5	160.00	0.00	0.00	0.00	0.00	0.00	0.00	160.00
6	120.00	0.00	0.00	0.00	0.00	0.00	0.00	120.00
7	60.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00
8	60.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00
9	60.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00
10	60.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00
11	120.00	0.00	0.00	0.00	0.00	0.00	0.00	120.00
12	120.00	0.00	0.00	0.00	0.00	0.00	0.00	120.00

DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION
Water Availability as of 4/24/2006 for
S FK JOHN DAY R > JOHN DAY R - AT MOUTH

Watershed ID #: 219 Basin: JOHN DAY Exceedance Level: 80
Time: 15:09 Date: 04/24/2006

Month	Natural Stream Flow	Consumptiv Use and Storage	Expected Stream Flow	Reserved Stream Flow	Instream Require-ments	Net Water Available
1	53.00	1.99	51.00	0.00	100.00	-49.00
2	84.00	2.04	82.00	0.00	133.00	-51.00
3	132.00	2.12	130.00	0.00	133.00	-3.12
4	197.00	5.41	192.00	0.00	133.00	58.60
5	146.00	9.29	137.00	0.00	133.00	3.71
6	72.80	13.10	59.70	0.00	100.00	-40.30
7	24.10	17.60	6.51	0.00	50.00	-43.50
8	18.80	14.40	4.40	0.00	25.00	-20.60
9	18.10	10.60	7.46	0.00	25.00	-17.50
10	31.60	4.62	27.00	0.00	25.00	1.98
11	37.00	1.94	35.10	0.00	50.00	-14.90
12	44.20	1.95	42.20	0.00	100.00	-57.80
Stor-50%	94600	5160	89400	0	60600	33000

DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES
Water Availability as of 4/24/2006 for
S FK JOHN DAY R > JOHN DAY R - AT MOUTH

Watershed ID #: 219 Basin: JOHN DAY Exceedance Level: 80
Time: 15:09 Date: 04/24/2006

Mo	Storage	Irrig	Munic	Ind/Man	Commer	Domest	Agricul	Other	Total
1	0.09	0.00	1.60	0.00	0.00	0.03	0.26	0.00	1.99
2	0.15	0.00	1.60	0.00	0.00	0.03	0.26	0.00	2.04

3	0.23	0.00	1.60	0.00	0.00	0.03	0.26	0.00	2.12
4	0.41	3.12	1.60	0.00	0.00	0.03	0.26	0.00	5.42
5	0.29	7.11	1.60	0.00	0.00	0.03	0.26	0.00	9.29
6	0.13	9.52	3.20	0.00	0.00	0.03	0.26	0.00	13.10
7	0.04	14.10	3.20	0.00	0.00	0.03	0.26	0.00	17.60
8	0.03	10.90	3.20	0.00	0.00	0.03	0.26	0.00	14.40
9	0.03	7.12	3.20	0.00	0.00	0.03	0.26	0.00	10.60
10	0.03	2.69	1.60	0.00	0.00	0.03	0.26	0.00	4.61
11	0.05	0.00	1.60	0.00	0.00	0.03	0.26	0.00	1.94
12	0.06	0.00	1.60	0.00	0.00	0.03	0.26	0.00	1.95

DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE
Water Availability as of 4/24/2006 for
S FK JOHN DAY R > JOHN DAY R - AT MOUTH

Watershed ID #: 219 Basin: JOHN DAY Exceedance Level: 80
Time: 15:09 Date: 04/24/2006

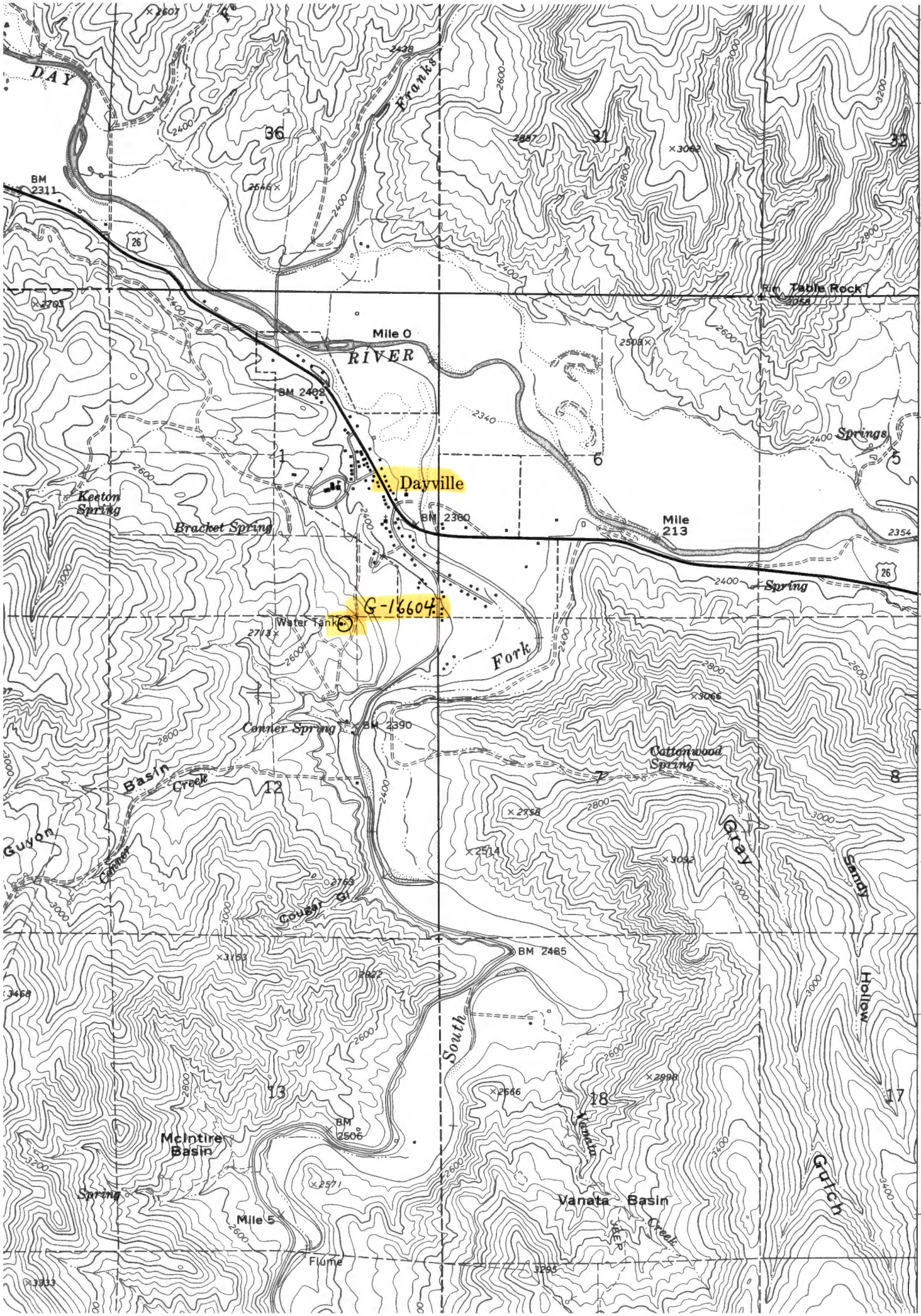
	Reservations							
APP #	0	0	0	0	0	0	0	TOTAL
Status / Use								
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DETAILED REPORT OF INSTREAM REQUIREMENTS
Water Availability as of 4/24/2006 for
S FK JOHN DAY R > JOHN DAY R - AT MOUTH

Watershed ID #: 219 Basin: JOHN DAY Exceedance Level: 80
Time: 15:09 Date: 04/24/2006

	ISWRs							
APP #	MF 219	0	0	0	0	0	0	MAXIMUM
Status	Cert.							
1	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
2	133.00	0.00	0.00	0.00	0.00	0.00	0.00	133.00
3	133.00	0.00	0.00	0.00	0.00	0.00	0.00	133.00
4	133.00	0.00	0.00	0.00	0.00	0.00	0.00	133.00
5	133.00	0.00	0.00	0.00	0.00	0.00	0.00	133.00
6	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
7	50.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00
8	25.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00
9	25.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00
10	25.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00
11	50.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00
12	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00

1


DAY
Franks
36
31
32
BM 2311
26
T 12 S
T 13 S
Rim Table Rock
Mile 0
RIVER
BM 2408
Springs
Dayville
Keeton Spring
Bracket Spring
BM 2380
Mile 213
Spring
MT. VERNON (U.S. 395) 22 MI.
G-16604
Water Tank
Fork
Conner Spring
BM 2390
Cottonwood Spring
Basin Creek
12
7
8
Guyon
Canner
Gray
Sandy
Hollow
Cougar Gl
BM 2485
South
13
18
17
McIntire Basin
BM 2506
Spring
Mile 5
Flume
Vanata Basin
Jeep Creek
Gulch
(ALDRICH MTN. NORTH)
2172 IV NW
4929
4928
4926
4925
4924
300 000 FEET
27'30"

Date: January 27, 2006

To: Cory Engel

From: Bill Fujii, Field Services Division

Subject: Division 86/rate Review - Municipal and Quasi-Municipal applications

File G 16604

Field Services Division has reviewed the above referenced application for the following:

1) Shall a Water Management and Conservation Plan be required under Division 86?
   X No
   ☐ WMCP should be required within _____ years.

Remarks/basis of determination: The population to be served is less than 1000. Although Dayville is between reaches of the John Day River Scenic Waterway (SF & Mainstem) and there are T & E species listed on both streams, it appears that a water management plan would be required as part of a permit extension.

Given the information provided on form M, the WMCP process would be very beneficial as a business practice for the City but duplicate conditions in WRD documents are not needed.

2) Is the proposed quantity of water reasonable based on information provided in Form M?
   Yes

Remarks/basis of determination: Using the service area population rather than the census data, current rate of consumption appears to average around 100 gallons per person per day. Statewide average is around 250 gallons per person per day (USGS). The application data shows average annual could be as high as 336 gallons per person per day. Given the current use patterns it seems unlikely that the actual use would reach average annuals at those levels unless there was a major demographic shift. The other consideration is that the population has only recently recovered and is now reaching historic levels again.

Signature: BiM **Date:** 1/27/2006

G-16604

NEW APPLICATIONS (GROUND WATER, RESERVOIR, & SURFACE) ROUTE SLIP

RECEIPTING ☒ 1-19-06
POST CARD SENT ☒ 1-20-2006 HZM
DATA CENTER ☒ 1-27-2006 alyssa

GROUND WATER YES ☒ NO ☐
ENFORCEMENT YES ☐ NO ☐

WATER RIGHTS SUPPORT ☒ DLS

Alyssa Mucken	503-986-0853	☐
Anita Huffman	503-986-0815	☐
Cory Engel	503-986-0813	☒
Jeana Eastman	503-986-0859	
Kerry Kavanagh	503-98[illegible]	

A "Standard Reservoir" storing 9.2 acre-feet or more of
Water & has a dam height of 10.0 feet or greater needs to
have a copy of the application & supplemental forms routed to "JOHN FALK"

GW Files

ATTN: WATER RIGHTS
SUPPORT....>>>>> Mark contents of Application File;
Update Powerbuilder with caseworker, etc.;
Route to filing cabinet.

G 16604

STATE OF OREGON WRD WATER RESOURCES DEPARTMENT

CORY ENGEL

DA

ACCEPTED

Standard Application "Completeness" Checklist

Minimum Requirements (OAR 690-310-040)

Application G 16604
Priority Date: 1-19-2006
Use(s): MUNICIPAL
Rate: 0.2228 CFS
100 gpm

County: GRANT
Township: SEE MAP
Range: SEE MAP
Section: SEE MAP
POD ¼ ¼: SEE MAP
POU ¼ ¼: SEE MAP

☑ **Applicant/Organization Name, Mailing Address and Telephone Number.** If applicant is other than a private landowner, Organizations section must be completed.

☑ **Source** listed

☑ **Property ownership indicated?** If applicant does not own all the land, is the affected landowner's name and mailing address listed? (Including: Lands, not owned by applicant, upon which the source is located .....or..... any Lands, not owned by applicant, which are crossed by the diversion works.) **NOTE: An easement or agreement DOES NOT need to be submitted at this time, however a statement declaring the existence of written authorization or an easement permitting access to land crossed by the proposed ditch canal or other work is required at this time. Easement or agreement will be required before a permit will be issued.**

☑ **If a groundwater application...**is the groundwater development section completed, including copies of well logs ?

☑ **Proposed Use of the water....** Is each proposed use identified?

☒ **Has the appropriate "Supplemental Form" for each proposed use** been completed, if applicable ?

- ☐ **Form I** (Irrigation)
- ☒ **Form M** (Municipal or Quasi-Municipal)
- ☐ **Form R** (Mining)
- ☐ **Form Q** (Commercial or Industrial)
- ☐ **Spring Description Sheet** (if source is a Spring)

☑ **Amount of water** from each source listed in GPM, CFS or AF?

☐ **Acreage being proposed, if applicable.**

N/A

☐ **Season** being requested by applicant.

☐ **Water management section** has been completed? If system has not been designed, the applicant may estimate this information.

☐ **Resource protection system** completed on Surface Water application?

☐ Are the **dates of construction** indicated? Proposed dates for the Beginning of constrution, completion of construction, and complete application of water to the proposed use(s) If system already completed, applicant should indicate **existing**. Applicant may indicate in other than dates, these timelines.

☐ **Is the application signed in ink by the applicant?** If the application is in the name of an organization or corporation, the authorized agent with title or authority, must sign the application. If more than one applicant named, both/all must sign or application is incomplete.

☐ **Legal description included ?** A copy of the deed, land sales contract or title insurance policy can provide this information. We cannot accept a copy of the tax bill.

☐ **A completed Land-Use Form** or receipt signed by the appropriate planning department officials enclosed? *Does the use on land-use form match the proposed use on the application?* Date should be within 6 months.

☐ Does the map meet map requirements of OAR 690-310-050? MAP BY CONSULTANTS ANDERSON PERRY & ASSOC

- ☐ Town, Range, Sec, ¼ ¼ and Tax Lot #
- ☐ Scale of the Map, not less than 4" = 1 mile
- ☐ Reference corner on map
- ☐ North Directional Symbol (not fatal if omitted)
- ☐ ¼ ¼'s clearly identified
- ☐ Location of each diversion point, well or dam
- ☐ POU clearly identified location of place of use where water is to be used. ie: domestic, industrial stock, irr, etc.
- ☐ Location Coordinates for each POD by reference to a recognized public land survey corner
- ☐ Number of acres per ¼ ¼, if Irrigation N/A
- ☐ Other

fees enclosed? YES

Base Fee$_____

Total Paid $ 500

plus$_____

plus$_____

Total Amount of Water Requested: 0.2228 CFS

100 gpm

Total Exam Fee $_____

Total Exam Fee $ 500 **Recording Fee $** XXXXXXX

npleteness Check by: HJM Date: 1-20-2006

oups\wr\WRIG DOCUMENTS\application related\COMPLETENESSCHECKLIST04.wpd

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G-16604

Prior to the issuance of a permit, the Department must receive permit recording fees in the amount of $300.00. Please include your application number on your check made out to the Oregon Water Resources Department.

Proposed Final Order

Summary of Recommendation: The Department recommends that the attached draft permit be issued with conditions.

Application History

On January 19, 2006, City of Dayville submitted an application to the Department for the following water use permit:

- Amount of Water: 0.22 CUBIC FOOT PER SECOND (CFS)
- Use of Water: MUNICIPAL USE
- Source of Water: A WELL IN SOUTH FORK JOHN DAY RIVER BASIN
- Area of Proposed Use: WITHIN THE URBAN GROWTH BOUNDARY OF THE CITY OF DAYVILLE, GRANT COUNTY

On June 1, 2007, the Department mailed the applicant notice of its Initial Review, determining that "*The use of 0.22 cubic foot per second from Well 1 in South Fork John Day River Basin for municipal use is allowable year-round.*" The applicant did not notify the Department to stop processing the application within 14 days of that date.

On June 5, 2007, the Department gave public notice of the application in its weekly notice. The public notice included a request for comments, and information for interested persons about both obtaining future notices and a copy of the proposed final order.

No written comments were received within 30 days.

In reviewing applications, the Department may consider any relevant sources of information, including the following:

- recommendations by other state agencies
- any applicable basin program
- any applicable comprehensive plan or zoning ordinance
- the amount of water available
- the rate and duty for the proposed use
- pending senior applications and existing water rights of record

- designations of any critical groundwater areas
- the Scenic Waterway requirements of ORS 390.835
- applicable statutes, administrative rules, and case law
- any general basin-wide standard for flow rate and duty of water allowed
- the need for a flow rate and duty higher than the general standard
- any comments received

Findings of Fact

The John Day Basin Program allows municipal use.

A well in South Fork John Day River Basin is above the John Day Scenic Waterway.

The Groundwater Section finds, per ORS 390.835(9), there is not a preponderance of evidence that the proposed use of groundwater 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.

Groundwater Findings Under OAR 690-09

The Department determined, consistent with OAR 690-09-0040(4), that the proposed ground water use will not have the potential for substantial interference with the nearby surface water sources.

In making this determination, the Department considered whether:

(a) There is a hydraulic connection from the proposed well(s) to any surface water sources.
(b) The point of appropriation is a horizontal distance less than one-fourth mile from the surface water source;
(c) The rate of appropriation is greater than five cubic feet per second, if the point of appropriation is a horizontal distance less than one mile from the surface water source;
(d) The rate of appropriation is greater than one percent of the pertinent adopted minimum perennial streamflow or instream water right with a senior priority date, if one is applicable, or of the discharge that is equaled or exceeded 80 percent of time, as determined or estimated by the Department, and if the point of appropriation is a horizontal distance less than one mile from the surface water source;
(e) 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.

According to the Department's rules, the potential for substantial interference is assumed if (a) and either (b) or (c) or (d) or (e) are met. For this application, the Department determined that there is no potential for substantial interference, because either (a) is not met, or (b), (c), (d) or (e) are not met, or both.

An assessment of groundwater availability has been completed by the Department's Groundwater/Hydrology section. A copy of this assessment is in the file. Water will, if properly conditioned, avoid injury to existing rights and the resource.

The Department finds that the amount of water requested, 0.22 CFS, is an acceptable amount.

The proposed well is not within a designated critical ground water area.

Conclusions of Law

Under the provisions of ORS 537.621, the Department must presume that a proposed use will ensure the preservation of the public welfare, safety and health if the proposed use is allowed in the applicable basin program established pursuant to ORS 536.300 and 536.340 or given a preference under ORS 536.310(12), if water is available, if the proposed use will not injure other water rights and if the proposed use complies with rules of the Water Resources Commission.

The proposed use requested in this application is allowed in the John Day Basin Program, or a preference for this use is granted under the provisions of ORS 536.310(12).

Water is available for the proposed use.

The proposed use will not injure other water rights.

The proposed use complies with other rules of the Water Resources Commission not otherwise described above.

The proposed use complies with the State Agency Agreement for land use.

No proposed flow rate and duty of water higher than the general basin-wide standard is needed.

For these reasons, the required presumption has been established.

Under the provisions of ORS 537.621, once the presumption has been established, it may be overcome by a preponderance of evidence that either:

(a) One or more of the criteria for establishing the presumption are not satisfied; or

(b) The proposed use would not ensure the preservation of the public welfare, safety and health as demonstrated in comments, in a protest . . . or in a finding of the department that shows:

(A) The specific aspect of the public welfare, safety and health under ORS 537.525 that would be impaired or detrimentally affected; and

(B) Specifically how the identified aspect of the public welfare, safety and health under ORS 537.525 would be impaired or be adversely affected.

In this application, all criteria for establishing the presumption have been satisfied, as noted above. The presumption has not been overcome by a preponderance of evidence that the proposed use would impair or be detrimental to the public interest.

The Department therefore concludes that water is available in the amount necessary for the proposed use; the proposed use will not result in injury to existing water rights; and the proposed use would ensure the preservation of the public welfare, safety and health as described in ORS 537.525.

When issuing permits, ORS 537.628(1) authorizes the Department to include limitations and conditions which have been determined necessary to protect the public welfare, safety, and health. The attached draft permit is conditioned accordingly.

Recommendation

The Department recommends that the attached draft permit be issued with conditions.

DATED September 25, 2007

E. Timothy Wade

for Phillip C. Ward, Director
Water Resources Department

If you have any questions, please check the information box on the last page for the appropriate names and phone numbers.

Protests

Under the provisions of ORS 537.153(7) (for surface water) or ORS 537.621(8) (for ground water), you can protest this proposed final order. Protests must be received in the Water Resources Department no later than **November 9, 2007**. Protests must be in writing, and must include the following:

- Your name, address, and telephone number;
- A description of your interest in the proposed final order, and, if you claim to represent the public interest, a precise statement of the public interest represented;
- A detailed description of how the action proposed in this proposed final order would impair or be detrimental to your interest;
- A detailed description of how the proposed final order is in error or deficient, and how to correct the alleged error or deficiency;
- Any citation of legal authority to support your protest, if known; and
- If you are not the applicant, the protest fee of $350 required by ORS 536.050 and proof of service of the protest upon the applicant.
- If you are the applicant, a statement of whether or not you are requesting a contested case hearing. If you do not request a hearing, the Department will presume that you do not wish to contest the findings of the proposed final order.
- *If you do not protest this Proposed Final Order and if no substantive changes are made in the final order, you will not have an opportunity for judicial review, protest or appeal of the final order when it is issued.*

Requests for Standing

Under the provisions of ORS 537.153(7) (for surface water) or ORS 537.621(8) (for ground water), persons other than the applicant who support a proposed final order can request standing for purposes of participating in any contested case proceeding on the proposed final order or for judicial review of a final order.

Requests for standing must be received in the Water Resources Department no later than **November 9, 2007**. Requests for standing must be in writing, and must include the following:

- The requester's name, mailing address and telephone number;
- If the requester is representing a group, association or other organization, the name, address and telephone number of the represented group;
- A statement that the requester supports the proposed final order as issued;
- A detailed statement of how the requester would be harmed if the proposed final order is modified; and
- A standing fee of $100.00. If a hearing is scheduled, an additional fee of $250.00 must be submitted along with a request for intervention.

After the protest period has ended, the Director will either issue a final order or schedule a contested case hearing. The contested case hearing will be scheduled only if a protest has been submitted and either:

- upon review of the issues, the director finds that there are significant disputes related to the proposed use of water, or
- the applicant requests a contested case hearing within 30 days after the close of the protest period.

This document was prepared by Alyssa Mucken. If you have any questions about any of the statements contained in this document I am most likely the best person to answer your questions. You can reach me at 503-986-0853.

If you have questions about how to file a protest or a request for standing, please refer to the respective sections in this Proposed Final Order entitled "Protests" and "Requests for Standing". If you have previously filed a protest and want to know its status, please contact the Protest Coordinator at 503-986-0820.

If you have other questions about the Department or any of its programs please contact our Customer Service Group at 503-986-0801. Address all other correspondence to:

Water Rights Section, Oregon Water Resources Department, 725 Summer St NE Ste A, Salem OR 97301-1266, Fax: 503-986-0901.

STATE OF OREGON

COUNTY OF GRANT

DRAFT PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS DRAFT PERMIT IS HEREBY ISSUED TO

CITY OF DAYVILLE
PO BOX 321
DAYVILLE, OR 97825

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-16604

SOURCE OF WATER: A WELL IN SOUTH FORK JOHN DAY RIVER BASIN

PURPOSE OR USE: MUNICIPAL USE

MAXIMUM RATE: 0.22 CUBIC FOOT PER SECOND

PERIOD OF USE: JANUARY 1 THROUGH DECEMBER 31

DATE OF PRIORITY: JANUARY 19, 2006

WELL LOCATION: NW ¼ NE ¼, SECTION 12, T13S, R26E, W.M.; 200 FEET SOUTH & 1520 FEET WEST FROM NE CORNER, SECTION 12

THE PLACE OF USE IS LOCATED AS FOLLOWS:

WITHIN THE URBAN GROWTH BOUNDARY
OF THE CITY OF DAYVILLE

Measurement, recording and reporting conditions:

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

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

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.

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.

The well shall produce ground water only from the basalt ground water reservoir.

STANDARD CONDITIONS

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may not be valid, unless the Department authorizes the change in writing.

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

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

The 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.

Where two or more water users agree among themselves as to the manner of rotation in the use of water and such agreement is placed in writing and filed by such water users with the watermaster, and such rotation system does not infringe upon such prior rights of any water user not a party to such rotation plan, the watermaster shall distribute the water according to such agreement.

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.

Completion of construction and complete application of the water to the use shall be made on or before October 1, 2012. If the water is not completely applied before this date, and the permittee wishes to continue development under the permit, the permittee must submit an application for extension of time, which may be approved based upon the merit of the application.

Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued _____, 2007

DRAFT - THIS IS NOT A PERMIT

_____
for Phillip C. Ward, Director
Water Resources Department

Mailing List for PFO Copies

Application #G-16604 PFO Date September 25, 2007

Original mailed to applicant:

CITY OF DAYVILLE, PO BOX 321, DAYVILLE, OR 97825

Copies Mailed
By: TB
(SUPPORT STAFF)
on: 9/25/07
(DATE)

Copies sent to:
1. WRD - File # G-16604
2. Water Availability: Ken Stahr
3. Regional Well Inspector: NCR

PFO and Map Copies sent to:
4. WRD - Watermaster # 4
5. Regional Manager: NCR
6. Oregon State Parks

Copies sent to Other Interested Persons *(CWRE, Agent, Well Driller, Commenter, etc.)*
7. Brad D. Baird, P.E. Anderson Perry & Associates, Inc. 1901 N. Fir, P.O. Box 1107, La Grande, 97850-0939

"$10 LETTER" sent to Interested Persons who have not protested or paid for copies

Affected Landowners (include "Notice of Proposed Final Order--Affected Landowner"):
1.

CASEWORKER : Muckenam

anderson perry & associates, inc.
engineering · surveying · materials testing

LETTER OF TRANSMITTAL

DATE	6/6/2007	JOB NO.	991-31
RE	City of Dayville, Oregon		
	Well Permit Application, City Well No. 1		
	Permit No. G-16604		

TO: Oregon Water Resources Department
ATTN: Alyssa Mucken, Caseworker
Water Right Department
725 Summer St. NE, Suite A
Salem, Oregon 97301-1271

WE ARE SENDING YOU:

COPIES	DATE	DESCRIPTION
1		Revised Figure 1

RECEIVED
JUN 11 2007
WATER RESOURCES DEPT
SALEM, OREGON

THESE ARE TRANSMITTED AS CHECKED:

☒ As requested ☐ For review and comment ☐ _____
☒ For your use ☐ For your files
☐ For approval ☐ For Bids Due _____

REMARKS

Hello Alyssa:

As requested in your June 1, 2007 letter to the City of Dayville, Oregon, enclosed is a revised Figure 1. The new well is for the City's existing municipal water system. The City's system currently consists of spring sources that discharge into their storage reservoirs located at the well site. Underground pipelines allow conveyance of the water to all users within the City of Dayville via the existing underground distribution system.

The new well will discharge directly into the nearest storage reservoir located adjacent to the well (about 25 feet away). The water will then be conveyed to the users via the existing water pipeline. These features have been added to the revised Figure 1 (attached). Thus, the only new pipeline will be the short pipeline from the well to the storage reservoir.

Please let me know if you need any more information to proceed with continued processing of the City's well permit. Thank you for your assistance.

cc: Ruth Moore (with 1 copy)
File No. 991-31-32 (with 1 copy)

Signed: Brad D. Baird
Brad D. Baird, PE

☒ La Grande, Oregon 97850-0939 / 1901 N. Fir, P.O. Box 1107 / (541) 963-8309, Fax (541) 963-5456
☐ Walla Walla, Washington 99362-0032 / 214 E. Birch, P.O. Box 1687 / (509) 529-9260, Fax (509) 529-8102

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-16604
ROBERT WALTENBURG
CITY OF DAYVILLE
PO BOX 321
DAYVILLE OR 97825

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Ruth A Moore ☐ Agent ☐ Addressee

B. Received by (Printed Name) Ruth A Moore
C. Date of Delivery 6-5-07

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) 7003 3110 0003 1378 4317

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

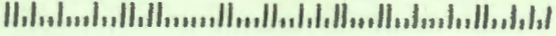
UNITED STATES POSTAL SERVICE

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
JUN 18 2007
WATER RESOURCES DEPT
SALEM, OREGON



Oregon
Theodore R. Kulongoski, Governor

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

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

June 1, 2007

CITY OF DAYVILLE
PO BOX 321
DAYVILLE, OR 97825

Reference: File G-16604

Dear Applicant:

THIS IS NOT A PERMIT AND IS SUBJECT TO CHANGE AT THE NEXT PHASE OF PROCESSING.

This letter is to inform you of the preliminary analysis of your water use permit application and to describe your options. In determining whether a water use permit application may be approved, the Department must consider the factors listed below, all of which must be favorable to the proposed use if it is to be allowed. Based on the information you have supplied, the Water Resources Department has made the following preliminary determinations:

Initial Review Determinations:

1. The proposed use is not prohibited by law or rule except where otherwise noted below.

2. The use of water from Well 1 in South Fork John Day River Basin for municipal use is allowable under the John Day Basin Program.

3. If properly conditioned, the proposed use of ground water will avoid injury to existing ground water rights and the resource.

4. The Department has determined, based upon OAR 690-09, that the proposed ground water use will not have the potential for substantial interference with any surface water source.

5. The proposed use is located above the John Day River Scenic Waterway.

6. The Department has determined there are deficiencies with the application map submitted. In addition, the Department has noted that an irrigation distribution canal may be impacted by this proposed use, thereby requiring access information. Please refer to the **Additional Information Required** section below for specific information.

Summary of Initial Determinations

The use of 0.22 cubic foot per second from Well 1 in South Fork John Day River Basin for municipal use is allowable year-round.

Because of these favorable determinations, the Department can now move your application to the next phase of the water rights application review process. This phase is where public interest factors will be evaluated.

Additional Information Required

Additional information is required to process your application. Please provide the following item:

- OAR 690-310-050((4)(b) requires the application map submitted to the Department to show the location of main canals, pipelines, ditches or other means of transporting water for the proposed use. Please indicate the location of the *main line(s)* proposed under this application.

Please submit the information no later than July 5, 2007 . If you are unable to submit the information listed above, you may request an administrative hold for up to an additional 180 days. You must submit the request in writing, stating how much time you will need and why you need additional time. If an administrative hold is granted, your application will not be processed further until the requested information is received or the extended deadline has passed

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.

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.

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 **Friday, June 15, 2007**. For your convenience you may use the enclosed "STOP PROCESSING" form.

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

1. Measurement, recording and reporting conditions:

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

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

2. The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.

3. 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.

4. The well shall produce ground water only from the basalt groundwater reservoir.

The water source identified in your application may be affected by an Agricultural Water Quality Management Area Plan. These plans are developed by the Oregon Department of Agriculture (ODA) with the cooperation of local landowners and other interested stakeholders, and help to ensure that current and new appropriations of water are done in a way that does not adversely harm the environment. You are encouraged to explore ODA's Water Quality Program web site at http://www.oregon.gov/ODA/NRD/water_agplans.shtml to learn more about the plans and how they may affect your proposed water use.

If you have any questions:

Feel free to call me at 503-986-0853 if you have any questions regarding the contents of this letter or your application. Please have your application number available if you call. General questions about water rights and water use permits should be directed to our customer service staff at 503-986-0801. When corresponding by mail, please use this address: Alyssa Mucken, Oregon Water Resources Department, 725 Summer St NE Ste A, Salem OR 97301-1266. Our fax number is 503-986-0901.

Sincerely,

Alyssa Mucken
Water Right Application Caseworker

enclosures: Application Process Description and Stop Processing Request Form

G-16604
WAB 6-219
POU 6-219
GW -no psi

APPLICATION FACT SHEET

Mail to: Applicant, Watermaster, District Biologist (ODFW)
If necessary, also mail to : Regional Water quality manager (DEQ), and DOA

Application File Number: G-16604

Applicant: CITY OF DAYVILLE

County: Grant

Watermaster: 4

Priority Date: January 19, 2006

Source: A WELL IN SOUTH FORK JOHN DAY RIVER BASIN

Use: MUNICIPAL USE

Quantity: 0.22 CUBIC FOOT PER SECOND

Basin Name & Number: John Day, #6

Stream Index Reference: Volume 2A S FK JOHN DAY

Well Location: NWNE, SECTION 12, T13S, R26E, W.M.; 200 FEET SOUTH & 1520 FEET WEST FROM NE CORNER, SECTION 12

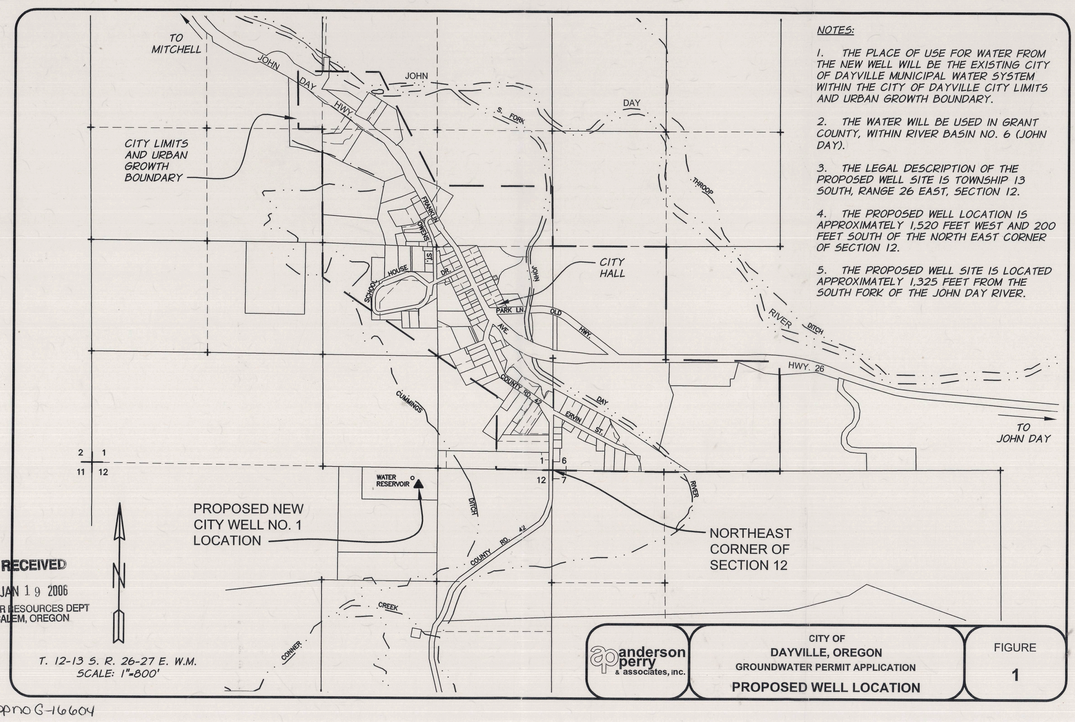
Place of Use:

WITHIN THE URBAN GROWTH BOUNDARY
OF THE CITY OF DAYVILE

14 DAY STOP PROCESSING DEADLINE DATE: Friday, June 15, 2007

PUBLIC NOTICE DATE: Tuesday, June 5, 2007

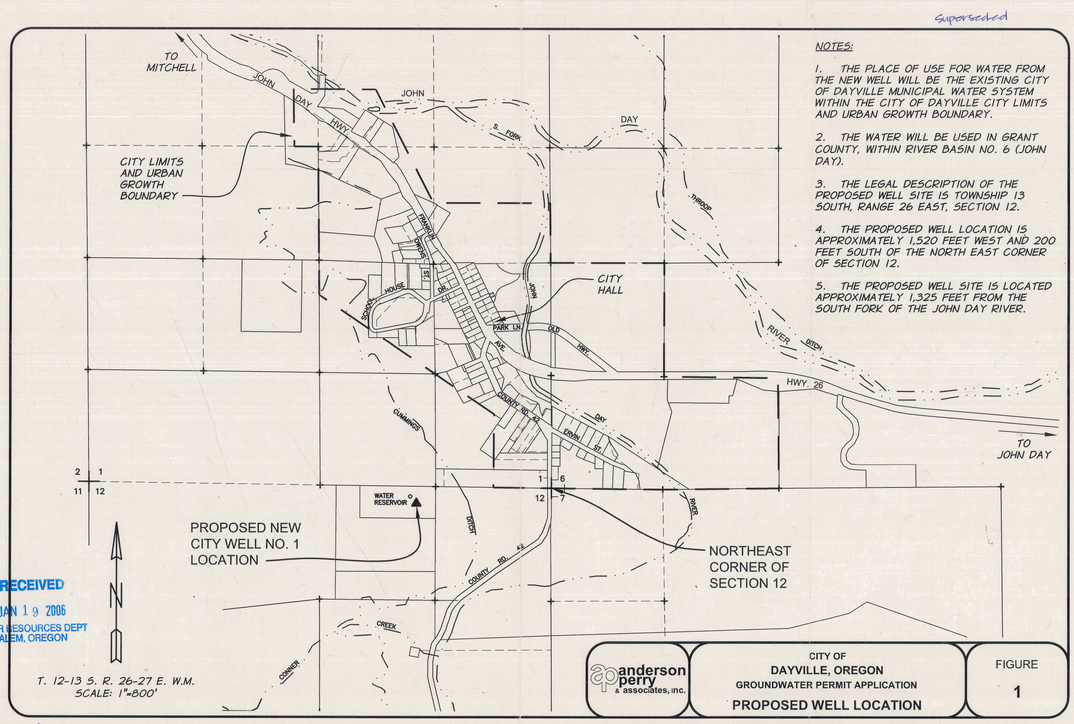
30 DAY COMMENT DEADLINE DATE: Thursday, July 5, 2007



O:\DAYVILLE\WATER\06DWG\FIG-1.dwg, FIG1, 1/4/2006 8:46:29 AM, DMC

appno G-16604

Superseded



O:\DAYVILLE\WATER\06DWG\FIG-1.dwg, FIG1, 1/4/2006 8:46:29 AM, DMC

appno G-16604

Mailing List for IR Copies

Application #G-16604 IR Date: June 1, 2007

Original mailed to:

Applicant: CITY OF DAYVILLE, PO BOX 321, DAYVILLE, OR 97825

Copies Mailed
By: DS
(SUPPORT STAFF)
on: 6/1/07
(DATE)

Copies sent to:
1. WRD - File # G-16604
2. WRD - Water Availability: Ken Stahr

IR, Map, and Fact Sheet Copies sent to:
3. WRD - Watermaster # 4
4. WRD - Regional Manager: North Central

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

5. Brad D. Baird, P.E. Anderson Perry & Associates, Inc. 1901 N. Fir, P.O. Box 1107, La Grande, OR 97850-0939

COPYSHT.IR

Caseworker: Alyssa Mucken

Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem Oregon 97301-1271
(503) 986-0900
www.wrd.state.or.us

Application for a Permit to Use Ground Water

Please type or print in dark ink. If your application is found to be incomplete or inaccurate, we will return it to you. If any requested information does not apply to your application, insert "n/a." Please read and refer to the instructions when completing your application. A summary of review criteria and procedures that are generally applicable to these applications is available at www.wrd.state.or.us/OWRD/PUBS/forms.shtml.

1. APPLICANT INFORMATION

A. Individuals

Applicant: _____
First Last

Mailing address: _____

_____
City State Zip

Phone: _____
Home Work Other

*Fax: _____ *E-Mail address: _____

B. Organizations

(Corporations, associations, firms, partnerships, joint stock companies, cooperatives, public and municipal corporations)

Name of organization: City of Dayville, Oregon

Name and title of person applying: Robert Waltenburg, Mayor

Mailing address of organization: P.O. Box 321

Dayville Oregon 97825
City State Zip

Phone: (541) 987-2188
Day Evening

*Fax: (541) 987-2187 *E-Mail address: dville@ortelco.net

* *Optional information*

For Department Use		
App. No. G-116604	Permit No. _____	Date _____

2. PROPERTY OWNERSHIP

Do you own all the land where you propose to divert, transport, and use water?

☑ Yes *(Skip to section 3 "Ground water Development.")*

☐ No *(Please check the appropriate box below.)*

- ☐ I have a recorded easement or written authorization permitting access.
- ☐ I do not currently have written authorization or easement permitting access.
- ☐ Written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigated and/or domestic use only (ORS 274.040).

You must provide the legal description of: (1) the property from which the water is to be diverted, (2) any property crossed by the proposed ditch, canal or other work, and (3) any property on which the water is to be used as depicted on the map.

List the names and mailing addresses of all affected landowners.

Not applicable.

3. GROUND WATER DEVELOPMENT

A. Well Information

Number of well(s): 1

Name of nearest surface water body: South Fork John Day River

Distance from well(s) to nearest stream or lake: 1) 1,325 feet from South Fork John Day River

2) _____ 3) _____ 4) _____

If distance from surface water is less than one mile, indicate elevation difference between nearest surface water and well head. 1) Well site is estimated to be 160 feet higher than the South Fork John Day River.

2) _____ 3) _____ 4) _____

B. Well Characteristics

Wells must be constructed according to standards set by the Department for the construction and maintenance of water wells. If the well is already constructed, please enclose a copy of the well constructor's log and the well ID number, if available, for each well with this application. Identify each well with a number corresponding to the wells designated on the map and proceed to question F in this section of the form. If the well has not been constructed, or if you do not have a well log, please complete the following:

Well(s) will be constructed by: Licensed and bonded municipal well driller.

Address: To be determined through the public bid process.

Completion date: Spring 2006

G-16604

Please provide a description of your well development. *(Attach additional sheets if needed.)*

Well No.	Diameter	Type and size of casing	No. of feet of casing	Intervals casing is perforated (in feet)	Seal depth	Est. depth to water	Est. depth to water bearing stratum	Type of access port or measuring device	Total well depth
New (1)	12" and 8"	12" and 8" steel	75' (12") 225' (8")	100 to 300'	75'	200'	200'	Air Line and Plug	300'

Note: Well numbers in this listing must correspond to well locations(s) shown on accompanying map.

If well log is not available, or well is not yet constructed, you must provide: proposed total depth, depth of casing and seal, and the anticipated perforation and open intervals.

C. Artesian Flows

If your water well is flowing artesian, describe your water control and conservation works:

Artesian flows are not anticipated. Static water levels of nearby wells that are at lower elevations are below the ground surface.

4. WATER USE

Please read the instruction booklet for more details on "type of use" definitions, how to express how much water you need and how to identify the water source you propose to use. You must fill out a supplemental form for some uses as they require specific information for that type of use.

A. Type(s) of Use(s)

See list of beneficial uses provided in the instructions.

- If your proposed use is **domestic**, indicate the number of households to be supplied with water: _____
- If your proposed use is **irrigation**, please attach **Form I**
- If your proposed use is **mining**, attach **Form R**
- If your proposed use is **municipal or quasi-municipal**, attach **Form M** (Form M attached)
- If your proposed use is **commercial/industrial**, attach **Form Q**

G-11616.04

B. Amount of Water
Provide the production rate in gallons per minute (gpm) and the total annual amount of water you need from each well, from each source or aquifer, for each use. You do not need to provide source information if you are submitting a well log with your application.

Well No.	Source or aquifer	Type of use	Total rate of water requested (in gpm)	Total annual quantity (in gallons)	Production rate of well (in gpm)
New (Well No. 1)	Basalt aquifer	City of Dayville Municipal	100	26.2 MG*	100

*MG = Million gallons if used approximately 12 hours per day all year. Actual use will likely be less.

C. Maximum Rate of Use Requested
What is the maximum, instantaneous rate of water that will be used? 100 gpm
(The fees for your application will be based on this amount.)

D. Period of Use
Indicate the time of year you propose to use the water: All year
(For seasonal uses like irrigation give dates when water use would begin and end, e.g. March 1–October 31.)

E. Acreage
If you will be applying water to land, please give the total number of acres where water will be applied or used: Not applicable
(This number should be consistent with your application map.)

5. WATER MANAGEMENT

A. Diversion
What equipment will you use to pump water from your well(s)?

☑ Pump (give horsepower and pump type): Submersible Pump and Motor (7.5 Hp)

☐ Other means (describe): _____

B. Transport
How will you transport water to your place of use?

☑ Ditch or canal (give average width and depth):

Width _____ Depth _____

Is the ditch or canal to be lined? ☐ Yes ☐ No

☑ Pipe (give diameter and total length):

Diameter 6-inch Length About 50 feet to discharge into adjacent reservoir

☐ Other (describe) _____

G-11 of 004

C. Application/Distribution Method

What equipment will you use to apply water to your place of use? Well pump/motor, new pump station and controls, 6-inch pipeline to adjacent reservoir feeding the existing distribution system.

Irrigation or land application method (check all that apply):

- ☐ Flood
- ☐ High-pressure sprinkler
- ☐ Low pressure sprinkler
- ☐ Drip
- ☐ Water cannons
- ☐ Center pivot system
- ☐ Hand lines
- ☐ Wheel lines
- ☐ Siphon tubes or gated pipe with furrows
- ☑ Other, describe Not applicable.

Distribution method

- ☐ Direct pipe from source
- ☐ In-line storage (tank or pond)
- ☐ Open canal

D. Conservation

What methods will you use to conserve water? Why did you choose this distribution or application method? For example, if you are using sprinkler irrigation rather than drip irrigation, explain. If you need additional space, attach a separate sheet.

The City of Dayville will meter the new well and will compare water delivered to water used (will complete a water audit). Audit results will dictate whether or not to pursue further conservation measures. Water use in Dayville is very low compared to other cities of similar size.

6. PROJECT SCHEDULE

Indicate the anticipated dates that the following construction tasks should begin. If construction has already begun, or is completed, please indicate that date.

Proposed date construction will begin: Design in winter/spring 2006, drill in spring 2006

Proposed date construction will be completed: Late spring/early summer 2006

Proposed date beneficial water use will begin: Late fall 2006

7. REMARKS

If you would like to clarify any information you have provided in the application, please do so here and reference the specific application question you are addressing.

Please see the attached letter. The proposed well will be cased over its entire estimated depth of 300 feet. The upper ±75 feet will be continuously grout sealed for a surface seal and to help ensure water is withdrawn from deeper basalt formations.

G-16606

8. MAP REQUIREMENTS

The Department cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section, and quarter/quarter section of the proposed well location and place of use. The map must provide tax lot numbers. See the map guidelines sheet for detailed map specifications.

9. SIGNATURE

By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application packet.
- I cannot legally use water until the Water Resources Department issues a permit to me.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be canceled.
- The water use must be compatible with local comprehensive land use plans.
- Even if the Department issues a permit to me, I may have to stop using water to allow senior water right holders to get water they are entitled to, and

I swear that all information provided in this application is true and correct to the best of my knowledge:

Robert E Waltenburg, Mayor — 11 JAN 2006

Signature of Applicant *(If more than one applicant, all must sign.)* — Date

Before you submit your application be sure you have:

- Answered each question completely.
- Attached a legible map which includes township, range, section, quarter/quarter and tax lot number.
- Included a Land Use Information Form or receipt stub signed by a local official.
- Included the legal description of all the property involved with this application. You may supply a copy of the deed, land sales contract, or title insurance policy, to meet this requirement.
- Included a check payable to the Oregon Water Resources Department for the appropriate amount. The Department's fee schedule can be found at www.wrd.state.or.us or call (503) 986-0900.

G-11616D4

For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless the project will be located entirely within the city limits. In this case, only the city planning agency must complete this form. ***Please request additional forms as needed or feel free to copy.***

A. Allowed Use

Check the appropriate box below and provide requested information.

☒ Land uses to be served by proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): _____. Go to section B "Approval" below.

☐ Land uses to be served by proposed water uses (including proposed construction) involve discretionary land use approvals as listed in the table below.

Type of Land Use Approval Needed (e.g. plan amendments, rezones, conditional use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	*Check the item that applies:* Land Use Approval:	
		☐ Obtained ☐ Denied	☐ Being pursued ☐ Not being pursued
		☐ Obtained ☐ Denied	☐ Being pursued ☐ Not being pursued
		☐ Obtained ☐ Denied	☐ Being pursued ☐ Not being pursued
		☐ Obtained ☐ Denied	☐ Being pursued ☐ Not being pursued

Note: *Please attach documentation of applicable local land use approvals which have already been obtained. (Record of Action/land use decision and accompanying findings are sufficient.)*

B. Approval

Please provide printed name and written signature.

Name: Shannon N Springer Date: 1-12-06

Title: Planning Director Phone: 541-575-1519

Signature: Shannon N Springer

C. Additional Comments

Local governments are invited to express special land use concerns or make recommendations to the Department regarding this proposed use of water below, or on a separate sheet.

Land uses served by this well are within the City of Dayville.

The well site will be in the County jurisdiction – but within an existing water utility facility

Note: *If this form cannot be completed while the applicant waits, sign and detach the receipt stub as instructed below. You will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.*

Receipt for Request for Land Use Information

Name of applicant: _____

This receipt must be signed by a local government representative and returned to the applicant at the time they present this form. This receipt must be included with the application filed with the Water Resources Department if the local government cannot provide the requested land use information while the applicant waits.

City or County: _____

Staff contact: _____ Phone: _____

Signature: _____ Date: _____

Oregon Water Resources Department
Land Use Information Form

This information is needed to determine compatibility with local comprehensive plans as required by ORS 197.180. WRD will use this and other information to evaluate the water use application. THIS FORM IS NOT REQUIRED IF: 1) water is to be diverted, conveyed, and/or used only on federal lands; or 2) the application is for a water right transfer, allocation of conserved water, or exchange and all of the following apply: a) only the place of use is proposed for change, b) there are no structural changes, c) the use of water is for irrigation, and d) the use is located in an irrigation district or exclusive farm use zone.

To Be Completed By Applicant

This section must be completed by the individual or group that is filing an application with the Water Resources Department. Attach a copy of the map from the application to this form.

— A. Applicant

Name: City of Dayville, Oregon

Address: P.O. Box 321

City: Dayville State: OR Zip: 97825 Day Phone: (541) 987-2188

— B. Land and Location

Please provide information as requested below for all tax lots on or through which water will be diverted, conveyed, or used. Check "diverted" if water is diverted (taken) from its source on tax lot, "conveyed" if water is conveyed (transported) on tax lot, and "used" if water will be put to beneficial use on tax lot. More than one box may be checked. (Attach extra sheets as necessary.) Applicants for municipal use, or irrigation uses within irrigation districts, may substitute existing and proposed service area boundaries for the tax lot information requested below.

Tax Lot I.D.	Plan Designation (e.g. Rural Residential/RR-5)	Water to be: *(check all that apply)*	Proposed Land Use
101	Multiple Use Range	☑ Diverted ☑ Conveyed ☐ Used	Well site (existing reservoir site)
Many	City of Dayville Water System	☐ Diverted ☑ Conveyed ☑ Used	Same as existing
		☐ Diverted ☐ Conveyed ☐ Used	
		☐ Diverted ☐ Conveyed ☐ Used	
		☐ Diverted ☐ Conveyed ☐ Used	
		☐ Diverted ☐ Conveyed ☐ Used	

List counties and cities where water is proposed to be diverted, conveyed, or used. City of Dayville, Oregon

— C. Description of Proposed Use

Indicate the type of application to be filed with the Water Resources Department.

☑ Water Use Permit ☐ Water Right Transfer ☐ Allocation of Conserved Water ☐ Exchange

Indicate the intended use of water and describe the key characteristics of the project.

☐ Commercial ☐ Industrial ☐ Instream ☐ Irrigation
☑ Municipal ☐ Quasi-municipal ☐ Domestic (indicate number of households) ____
☐ Other ____

Briefly describe: The water will be delivered to current water system users connected to the City of Dayville's municipal water system.

Indicate the source of the water to be used.

☐ Reservoir/Pond ☑ Ground Water ☐ Surface Water ____ (source)

Indicate the estimated quantity of water the use will require: 100 ☐ CFS ☑ GPM ☐ Acre-Feet

Last revised: 04/06/04

Receipt for Request for Land Use Information

State of Oregon
Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301-1271
(503) 986-0900

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JAN 19 2006
WATER RESOURCES DEPT
SALEM, OREGON

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JAN 19 2006
WATER RESOURCES DEPT
SALEM, OREGON

Oregon Water Resources Department

FORM M

FOR MUNICIPAL AND QUASI MUNICIPAL WATER SUPPLIES

Unless otherwise noted, water use information should be in acre-feet per year (AFY).
1 acre-foot is equal to 325,851 gallons.

Background Information

Name of water supplier: City of Dayville, Oregon

Name and size of area to be served: City of Dayville, Oregon
(in square miles)

Present population of service area: 160 (July 2005 estimate, Portland State University)
(Contact county planning staff, if needed.)

Projected population in 20 years: Approximately 213 in 2020 (City of Dayville 2000 Water System Master Plan)
(Cite source and year. For example: "20,595 Based upon 1995 Portland State University projections.")

List present water rights and permits held:

Date of Issuance:	Natural Source of Water:	Amount Permitted:	Utilization:
01-11-1897	South Fork John Day River	5 cfs	Yes
01-22-1915	South Fork John Day River	0.025 cfs	Yes
03-09-1931	Guyon Spring	0.05 cfs	Yes
01-25-1985	Springs No. 1 to 7	Total of 0.30 cfs	Yes

Water Use

Average **yearly** demand: 5.8 MG Year: 1999-2000

Per-capita daily consumption (in gallons): Approximately 115 gallons (based on 138 people in year 2000 Federal Census)
(Divide average annual water sales by population to arrive at consumption, then divide by 365 to get daily values.)

Peak season (by month/day): July to Sept Total **peak season** demand: 1.65 MG

Peak season per-capita daily consumption: Approximately 131 gallons (based on 138 people in 2000 Federal Census)
(Divide total peak season demand by population and the number of days during the peak.)

Annual amount of water:

produced: Uncertain - Flowmeters for springs not fully functional
(diverted or pumped)

delivered: 5.8 MG (based on user water meter average readings)

Is your system fully metered? ☑ Yes ☐ No

Describe your rate structure: $25 for 1,000 gallons, $2 for each additional 1,000 gallons
(e.g. flat rate, increasing or decreasing block rate or combination of different systems)

Request for Water

A. Discuss the reason(s) for your request for additional water
(e.g. loss of current supply, peak demand, growth, or other): The springs barely meet summer demands. The City of Dayville has no backup water supply. A new well is needed to provide some backup while also meeting current and future demands.

B. How long is the amount of water requested in this application expected to meet future needs?

(e.g. until the year 2040) Most likely 2030 to 2040

C. Briefly discuss operation of water system and the most constraining component of the system:

The springs collect and flow into 40,000-gallon and 45,000-gallon reservoirs. Water is chlorinated prior to entry into the reservoirs. Water is delivered to users via a 6-inch diameter main line. The most constraining components of the system include the lack of adequate supply and small diameter transmission line from the reservoir.

D. Percentage of water use by type:

Residential: None
Commercial: 14%
Public Authority: 6%
Agricultural: None
Unaccounted for use: Unknown
Industrial: None
Other (specify use): Not applicable

E. List cost to implement proposed request.
Compare cost and benefits with other water supply, or combination of supply options. This should include water efficiency measures such as replacing current showerheads with low-flow types. (Attach documentation, as available.)

Estimated costs to drill and properly equip a 300-foot deep basalt well, including a pump station and controls, is approximately $150,000. Another supply source is needed immediately to meet demands while also providing backup/reliability. Additional spring sources are not available and treatment of river water would be considerably more expensive compared to drilling a new well.

F. How and by how much will your proposed water use efficiency programs increase efficiency?
(Express as a percentage of per-capita consumption.)

Unknown at this time. The City intends to install new meters for all sources as part of an overall water system improvements project. With system-wide metering, it will be possible to complete a detailed water audit to provide an estimate of "unaccounted for water." Dayville already has very low per capita water use when compared to other Cities' water use.

G-11a1a04

RECEIVED
GRAN 50742
MAR 31 2005
WATER RESOURCES DEPT
SALEM, OREGON

GWN
50742

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)
Instructions for completing this report are on the last page of this form.

WELL I.D. # L 53285
START CARD # 170168

(1) LAND OWNER
Well Number
Name Troy Richardson
Address PO Box 335
City Dayville State OR Zip 97825

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 253 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10"	0	45	Cement	+12	45	25 Sacks
10"	0	45	Bentonite	0	12	5 Sacks
6"	45	253				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☒ Other Pour Bentonite / Pump Cement
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"	+24"	45	250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	5"	-24	253	188	☒	☐	☒	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☒ None
Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☒ Perforations Method Factory cuts
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
213	253	1/4x4	350	5"		☐	☒
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
60	180	230	1 hr.

Temperature of water 52 Depth Artesian Flow Found
Was a water analysis done? No ☐ Yes By whom
Did any strata contain water not suitable for intended use? No ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other Surface water
Depth of strata: 30 - 38

(9) LOCATION OF WELL by legal description:
County Grant Latitude Longitude
Township 13 ☐ N or ☒ S Range 26 ☒ E or W. WM.
Section 12 SW 1/4 NE 1/4
Tax Lot 800 Lot Block Subdivision
Street Address of Well (or nearest address) 28868 South Fork Rd

(10) STATIC WATER LEVEL:
4 ft. below land surface. Date 3-25-05
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES:
Depth at which water was first found 30

From	To	Estimated Flow Rate	SWL
30	38	5	25'
203	241	60	4'

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
clay + Boulders Tan Mud Hard	0	30	
Broken Basalt Brown - Mud Hard	30	38	25'
grayish Brown Basalt Hard	38	203	
Brown Basalt Fractured Water Bearing	203	241	4'
Brown Basalt Hard	241	253	

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JUN 06 2005
WATER RESOURCES DEPT
SALEM, OREGON

Date started 2-16-05 Completed 2-25-05

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number
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 water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1606
Signed John Morrell Date 3-25-05

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER

RECEIVED
JAN 19 2006
WATER RESOURCES DEPT
SALEM, OREGON

G-16604

Added MTZ 4/24/06

GRAN 484

RECEIVED
JAN 06 1993
WATER RESOURCES DEPT
SALEM, OREGON

13S/26E/12aa

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

(START CARD) # 48665

(1) OWNER: Well Number:
Name George Beggs
Address South Fork Rd PO Box 308
City Dayville State Or Zip 97835

(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 302 ft.
Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
12"	0	22'	Portland II Cement	0	22'	24 sacks
8"	+14"	302'				

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"	+13"	22	.250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	6"	-5'	125'	.188	☒	☐	☒	☐
	5"	-122	302	.188	☒	☐	☒	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☒ Perforations Method Milled
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
262	302	1/8x8"	216	5"		☐	☒
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
40	0	300'	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 NO
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Grant Latitude Longitude
Township 13 N or S Range 26 E or W WM.
Section 12 NE ¼ NE ¼
Tax Lot Lot Block Subdivision
Street Address of Well (or nearest address) South Fork Rd

(10) STATIC WATER LEVEL:
70 ft. below land surface. Date 12-8-92
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 286

From	To	Estimated Flow Rate	SWL
286	302	40	70

(12) WELL LOG: Ground elevation

Material	From	To	SWL
Boulders and gravel light brown	0	15	
Consolidated clay and gravel Hard. brown	15	34	
Consolidated clay and gravel hard dark Brown	34	40	
Consolidated clay and gravel hard gray	40	84	70
Clay Hard red	84	90	
clay Hard red	90	100	
clay Hard brown	100	105	
Consolidated clay small gravel Hard gray	105	120	
Basalt Hard Black	120	286	
Small gravel Red Soft Water Bearing	286	302	

Date started 12-1-92 Completed 12-16-92

(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. Materials used and information reported above are true to my best knowledge and belief.
WWC Number
Signed John Marcuel Date 1-3-93

(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 1530
Signed Larry McKelvey Date 1-3-93

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER 9809C 3/88

G-166604

anderson perry & associates, inc.
engineering • surveying • materials testing

RECEIVED
JAN 19 2006
WATER RESOURCES DEPT
SALEM, OREGON

January 17, 2006

Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1271

Attn: Well Permit Application Department

RE: Application for a Permit to Use Ground Water
City of Dayville, Oregon

To Whom It May Concern:

On behalf of the City of Dayville, Oregon, we are submitting an application for a Permit to Use Ground Water for your review. Enclosed are the following:

- Completed and signed Application for a Permit to Use Ground Water
- Check for $500, which includes the $300 examination fee and fees for an estimated flow rate of 100 gpm.
- Figure 1 showing the proposed well location and all other required information
- Form M
- Land Use Information Form
- Well log for nearby well (Well Log Gran 50742)

To assist with your review and to help clarify the City's intent for a new well, we have summarized additional information herein. The City of Dayville completed a Water System Master Plan in 2000 that identified water system needs for a 20-year planning period. One of the needed improvements is additional water supply. The City desires to construct the new water supply well to help meet immediate needs, to provide a backup water supply source, and also to help meet their long-term water demands.

The City of Dayville currently obtains all of its drinking water from spring sources originating in the mountains south of the City. The water is treated by chlorination subsequent to municipal use. The City's only water supply is the spring sources, and water use in the summer months can exceed the capacity of the springs. The City needs to obtain an additional supply source and would like the additional supply to be from a new source so water system reliability is also obtained. A new well would meet both of these water system goals.

☒ La Grande, Oregon 97850-0939 / 1901 N. Fir, P.O. Box 1107 / (541) 963-8309, Fax (541) 963-5456
☐ Walla Walla, Washington 99362-0032 / 214 E. Birch, P.O. Box 1687 / (509) 529-9260, Fax (509) 529-8102

A review of area well logs on file at the Oregon Water Resources Department indicates a basalt well is present in the vicinity of the proposed well with a depth of approximately 253 feet (well log attached). Basalt was encountered in this well at a depth of approximately 30 feet below the ground surface. The new City of Dayville supply well will be cased over its entire depth, and the upper 75 feet or so will be sealed so water will be withdrawn from basalt aquifer formations deeper than 75 feet. Actual drilling conditions and materials encountered may require modifications of this plan, however, the intent is to establish a continuous seal from the ground surface to a depth of at least 75 feet for water quality protection and to obtain groundwater from deeper basalt formations.

The City desires to design the well in early 2006 and drill the well in the spring of 2006. Completion of the well within that time frame will allow the well yield to be known so other well-related facilities, such as the pumping equipment, well pump house, etc., can be designed along with other water system improvements in the summer of 2006 for construction in the fall of 2006. The other water system improvements include a new water storage reservoir and new pipelines to help meet fire flow and water system circulation needs. We would appreciate your review of the Application prior to the spring of 2006 to facilitate drilling the well in the spring of 2006.

At this time the City has secured funding assistance from the Safe Drinking Water Revolving Loan Fund to complete the water system improvements project. The City also owns the site for the proposed well, which will be adjacent to the City's existing reservoirs. The new well will discharge directly into the City's reservoir.

Please do not hesitate to call me if you have questions concerning any of the information presented herein or if you need additional information. We look forward to your review comments for the Application.

Sincerely,

ANDERSON·PERRY & ASSOCIATES, INC.

By Brad D. Baird
Brad D. Baird, P.E.

BDB/cd
Enclosure
cc: Ruth Moore, City Recorder, City of Dayville (two copies of enclosures)
Eric Julsrud, Grant County Watermaster (w/encl.)
File No. 991-31-32 (w/encl.)
G:\Clients\Dayville\991-31\Correspondence\OWRD-Well Permit Ap.wpd

Oregon
John A. Kitzhaber, MD, Governor

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

October 13, 2011

City of Dayville
PO Box 321
Dayville OR 97825

On October 11, 2011, the Water Resources Department received the Claim of Beneficial Use (COBU) for the following file(s):

Application G-16604 Permit G-16279

The COBU included a report and map. In the future the Department will review your submittal. At that time we will review these items and provide a final certificate, proposed certificate, or a request for additional information.

If you are interested in having your COBU reviewed sooner, you may pay to have your file processed immediately, using the Reimbursement Authority program, which is described at: http://www.wrd.state.or.us/OWRD/mgmt_reimbursement_authority.shtml

Customer Service phone: (503) 986-0801

If you sell the property, please contact the Department, or have the new owners contact the Department about the need to file an assignment.

Your receipt is enclosed.