

**Route Slip.....Extension of Time Progress Report**

**1. Extension Specialist: Progress Report Review**

Date Report was Due: October 1, 2020 (= "Deadline Date" for the corresponding ECP work flow record in WRIS)

Date Report Received: April 28, 2025

Report Complete:  YES

NO – Send letter requesting missing information.

letter mailed on: June 6, 2025

**2. Support Staff: Publish on the Department's Public Notice**

315  320 OAR Division under which Progress Report was required

Publish on Public Notice Date: 5.6.2025

Update workflow in WRIS

(Fill in Extension Checkpoint 'Completed Date' in appropriate "ECP" work flow record and

add record for Checkpoint Public Notice ("EPR" or "EP2")

Return file to Jeffrey Pierceall

**3. Extension Specialist: Prepare Progress Report Confirmation Letter**

See [progress report procedures.doc](#)

(date / mail out after 30 day comment period)

**Date Confirmation Letter Needed:** June 6, 2025

Update Progress Report Worksheet.xls

Send to permit holder + anyone who made comments after 30 day public notice  
CC: Watermaster \_\_\_\_\_

File \_\_\_\_\_

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**PUBLIC NOTICE INFORMATION**

Permit Holder's Name: Diamond Ridge Water Association Attn: Leslie Chandler

Application: G-15800

Permit: G-17758

County: Lane

Source: Well 2, Well 5, Well 6 and Well 7 in Daniels Creek Basin

Use: group domestic for 27 households; irrigation of 1/2 acres per household



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

**Extension of Time  
 Progress Report Form  
 For Checkpoints**

TO THE DIRECTOR OF THE OREGON WATER RESOURCES DEPARTMENT

Permit Holder: Diamond Ridge Water Association

Application G-15800  
 Permit G-16853

Report Due no later than October 1, 2020

DO NOT SUBMIT PRIOR TO 30 DAYS BEFORE DUE DATE

**Progress Report Form for 2020**

As authorized in ORS 690-315-0050(6), this progress report is required in order to ensure diligence is exercised in the development and perfection of Permit G-16853. FAILURE TO SUBMIT THIS REPORT WILL MOST LIKELY RESULT IN ANY FUTURE EXTENSION BEING DENIED.

INSERT DATES	LIST ALL WORK ACCOMPLISHED and FINANCIAL INVESTMENTS For the period of time between October 1, 2015 and October 1, 2020	FINANCIAL INVESTMENT
3/10/2016	Applied for a Permit Amendment to add new well LANE 73479 to permit EGR & Assoc	\$7,236
	Gained Approval for use of WELL LANE 73479 under this permit	
7/30/2017	Fees for permit amendment	\$2,288
2016-2019	Three additional homes connected to system	

2. Compliance with terms and conditions of the permit and/or previous extension.

Oregon Water Services remains our Designated Operator. Annual well level testing and aquifer monitoring is managed by their team and submitted to the state. We have installed totalizing meters on each of the four active wells.

Well #	Max cfs
2	.06 cfs
5	.04 cfs
6	.01 cfs
7	.06 cfs

3. Total number of Households connected to date= 25

4. Provide the maximum rate, or duty if applicable, of water diverted for beneficial use under this permit, if any, made to date.

Maximum rate used to date see above cfs (cubic feet per second)

Maximum rate used to date = \_\_\_\_\_ gpm (gallons per minute)

Acre-feet stored to date = \_\_\_\_\_ AF

Report the rate in the same units of measurement as specified in the permit, being cfs (cubic feet per second), gpm (gallons per minute) or AF (acre-feet). Do not provide daily, monthly or annual water volume totals.

INCOMPLETE REPORTS WILL BE RETURNED. AN ANSWER IS REQUIRED IN EACH ITEM. USE N/A FOR ITEM 3 IF THE USE IS NOT IRRIGATION.

Signature Leslie Chandler

Date April 23, 2025

For OWRD use only

Diligence Shown  Yes  No

Date Public Noticed: \_\_\_\_\_

Reviewed by: \_\_\_\_\_

Date: \_\_\_\_\_

Received  
 APR 28 2025  
 OWRD





# Oregon

Kate Brown, Governor

6-15800

## Water Resources Department

North Mall Office Building  
725 Summer St NE, Suite A  
Salem, OR 97301  
Phone (503) 986-0900  
Fax (503) 986-0904  
[www.wrd.state.or.us](http://www.wrd.state.or.us)

August 24, 2017

DIAMOND RIDGE WATER ASSOCIATION  
PO BOX 8411  
COBURG, OR 97408-1306

REFERENCE: Permit Amendment Application T-12297

Enclosed is a copy of the order approving your Permit Amendment application.

Also enclosed is a superseding permit that incorporates the amendments approved by the final order contained herein. Please read this document and abide by the requirements.

If you have any questions related to the approval of this permit amendment, you may contact your caseworker, Arla Heard, by telephone at (503) 986 0806 or by e-mail at [Arla.L.Heard@oregon.gov](mailto:Arla.L.Heard@oregon.gov).

Sincerely,

Marissa Andrews  
Water Rights Services Support

cc: Michael J. Mattick, Watermaster Dist. # 2 (via email)  
Egr And Associates Inc., Agent  
Landowners (other or receiving)

Enclosure

**BEFORE THE WATER RESOURCES DEPARTMENT  
OF THE  
STATE OF OREGON**

In the Matter of Permit Amendment                    )    FINAL ORDER  
T-12297, Lane County                                    )    APPROVING AN ADDITIONAL  
  )    POINT OF APPROPRIATION AND A  
  )    CHANGE IN PLACE OF USE

**Authority**

Oregon Revised Statute (ORS) 537.211 establishes the process in which a water right permit holder may submit a request to change the point of appropriation and/or place of use authorized under an existing water right permit.

**Applicant**

DIAMOND RIDGE WATER ASSOCIATION  
PO BOX 8411  
COBURG OR 97408-1306

**Findings of Fact**

1. On March 7, 2016, DIAMOND RIDGE WATER ASSOCIATION filed an application for an additional point of appropriation and a change in place of use under Permit G-16853. The Department assigned the application number T-12297.
2. On February 16 2011, the Department approved an assignment of the permit to Diamond Ridge Water Association.
3. On January 13, 2012, the Department approved an extension of time for complete application of water to October 1, 2030.
4. Notice of the application for the permit amendment was published in the Department's weekly notice on March 22, 2016, and in the Register Guard newspaper on August 4 and 11, 2017, pursuant to ORS 540.520(5). No comments were filed in response to the notices.
5. On February 23, 2017 the Department notified the applicant and agent by email regarding deficiencies in the application and map specifically regarding one of the proposed points of appropriation. The Groundwater Section of the Department noted in the Groundwater review dated August 16, 2016 that this proposed additional point of appropriation would cause significant interference with a surface water source. The Department requested that the deficiencies be resolved by March 23, 2017.

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 and OAR 690-01-0005 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.

6. On March 24, 2017 the Department received amended application pages and an amended map sufficient to satisfy the deficiencies.
7. Permit Amendment Application T-12297 proposes an additional point of appropriation with approximate distance from the existing points of appropriation as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Distance from Authorized Wells
16 S	3 W	WM	34	NE SE	WELL 7 - 40 DEGREES NORTH 31 MINUTES 10 SECONDS WEST, 1900 FEET FROM THE SE CORNER OF SECTION 34	Well 2 - 121 Feet Well 5 - 794 Feet Well 6 - 1445 Feet

8. Permit Amendment Application T-12297 proposes to change the place of use to:

GROUP DOMESTIC FOR 27 HOUSEHOLDS; IRRIGATION OF ½ ACRE PER HOUSEHOLD				
Twp	Rng	Mer	Sec	Q-Q
16 S	3 W	WM	34	SW NE
16 S	3 W	WM	34	SE NE
16 S	3 W	WM	34	SE NW
16 S	3 W	WM	34	NE SW
16 S	3 W	WM	34	SE SW
16 S	3 W	WM	34	NE SE
16 S	3 W	WM	34	NW SE
16 S	3 W	WM	34	SW SE
16 S	3 W	WM	34	SE SE
16 S	3 W	WM	35	SW NW
16 S	3 W	WM	35	NW SW
16 S	3 W	WM	35	SW SW

***Permit Amendment Review Criteria***

9. The changes would not result in injury to other water rights.
10. The proposed place of use is owned and/or controlled by the permit holder.
11. The changes do not enlarge the permit.
12. The changes do not alter any other terms of the permit.
13. The proposed place of use is contiguous to the authorized place of use.

**Conclusions of Law**

The additional point of appropriation and change in place of use proposed by Permit Amendment Application T-12297 are consistent with the requirements of ORS 537.211.

**Now, therefore, it is ORDERED:**

1. The additional point of appropriation and change in place of use proposed by Permit Amendment Application T-12297 are approved.
2. Permit G-17758, in the name of Diamond Ridge Water Association, is issued to replace Permit G-16853, and incorporates the amendments approved by this order, the extension of time, and the assignment. Permit G-16853, in the name of Van Duyn Land Co. LLC, is no longer of any force or effect.
3. The combined quantity of water diverted at the new point of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.
4. Water use measurement conditions:
  - a) Before water use may begin under this order, the water user shall install a totalizing flow meter, or, with prior approval of the Director, another suitable measuring device at each point of appropriation (new and existing).
  - b) The water user shall maintain the meters or measuring devices in good working order.
  - c) The water user shall allow the Watermaster access to the meters or measuring devices: provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.
5. Water shall be acquired from the same aquifer as the original points of appropriation.
6. All other terms and conditions of Permit G-16853 remain the same.

Dated at Salem, Oregon this 18 day of August, 2017.

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

**AUG 24 2017**

Mailing Date: \_\_\_\_\_

STATE OF OREGON

COUNTY OF LANE

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

DIAMOND RIDGE WATER ASSOCIATION  
PO BOX 8411  
COBURG, OR 97408-1306

**This superseding permit is issued to describe an amendment for an additional point of appropriation and change in place of use proposed under Permit Amendment Application T-12297 and approved by Special Order Vol. 105, Page 656, entered AUG 18 2017, 2017, and to describe an extension of time for complete application of water approved January 13, 2012 and an assignment to a new permittee approved February 16, 2011. This permit supersedes Permit G-16853.**

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

APPLICATION FILE NUMBER: G-15800

SOURCE OF WATER: WELL #2, WELL #5, WELL #6 AND WELL #7 IN DANIELS CREEK BASIN

PURPOSE OR USE: GROUP DOMESTIC FOR 27 HOUSEHOLDS; IRRIGATION OF ½ ACRE PER HOUSEHOLD

MAXIMUM CUMULATIVE TOTAL: 0.13 CUBIC FOOT PER SECOND

PERIOD OF USE: GROUP DOMESTIC USE: YEAR ROUND  
IRRIGATION: MARCH 1 THROUGH OCTOBER 31

DATE OF PRIORITY: JULY 17, 2002

## WELL LOCATIONS:

Twp	Rng	Mer	Sec	Q-Q	Tax Lot	Measured Distances
16 S	3 W	WM	34	SE SE	1800	WELL 2 (TAG #44872) - 43 DEGREES NORTH 1 MINUTE 28 SECONDS WEST 1814 FEET FROM THE SE CORNER OF SECTION 34
16 S	3 W	WM	34	SE SE	2200	WELL 5 (TAG #71194) - 28 DEGREES NORTH 23 MINUTES 35 SECONDS WEST 1155 FEET FROM THE SE CORNER OF SECTION 34
16 S	3 W	WM	34	SE SE	2300	WELL 6 (TAG #71191) - 18 DEGREES NORTH 49 MINUTES 37 SECONDS WEST 492 FEET FROM THE SE CORNER OF SECTION 34
16 S	3 W	WM	34	NE SE	1800	WELL 7 (TAG #116109) - 40 DEGREES NORTH 31 MINUTES 10 SECONDS WEST 1901 FEET FROM THE SE CORNER OF SECTION 34

## THE PLACE OF USE IS LOCATED AS FOLLOWS:

GROUP DOMESTIC FOR 27 HOUSEHOLDS; IRRIGATION OF ½ ACRE PER HOUSEHOLD				
Twp	Rng	Mer	Sec	Q-Q
16 S	3 W	WM	34	SW NE
16 S	3 W	WM	34	SE NE
16 S	3 W	WM	34	SE NW
16 S	3 W	WM	34	NE SW
16 S	3 W	WM	34	SE SW
16 S	3 W	WM	34	NE SE
16 S	3 W	WM	34	NW SE
16 S	3 W	WM	34	SW SE
16 S	3 W	WM	34	SE SE
16 S	3 W	WM	35	SW NW
16 S	3 W	WM	35	NW SW
16 S	3 W	WM	35	SW SW

Permit Amendment T-12297 Conditions:

The combined quantity of water diverted at the new point of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.

## Water use measurement conditions:

- a) Before water use may begin under this order, the water user shall install a totalizing flow meter, or, with prior approval of the Director, another suitable measuring device at each point of appropriation (new and existing).
- b) The water user shall maintain the meters or measuring devices in good working order.

- c) The water user shall allow the Watermaster access to the meters or measuring devices; provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.

Water shall be acquired from the same aquifer as the original points of appropriation.

Original Permit Conditions:

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order.
- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.
- C. The Director may require the permittee to keep and maintain a record of the amount (volume) of water used and may require the permittee to report water use on a periodic schedule as established by the Director. In addition, the Director may require the permittee to report general water use information, the periods of water use and the place and nature of use of water under the permit. The Director may provide an opportunity for the permittee to submit alternative reporting procedures for review and approval.

Any replacement well(s) shall be completed in the deep aquifer within the marine sediments.

The special construction standards for all additional wells depth shall be incorporated into the permit and any certificate issued for application G-15800.

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.

### **Limited Water Level Decline/Interference Condition**

To monitor the effect of water use from the well(s) authorized under this permit, the Department requires the water user to make and report annual static water level measurements. The static water level shall be measured in the month of **March**. Reports shall be submitted to the Department within 30 days of measurement.

Measurements must be made according to the following schedule:

#### **Before Use of Water Takes Place**

##### Initial and Annual Measurements

The Department requires the permittee to submit an initial water level measurement in the month specified above once well construction is complete and annually thereafter until use of water begins; and

#### **After Use of Water has Begun**

##### Seven Consecutive Annual Measurements

Following the first year of water use, the user shall submit seven consecutive annual reports of static water level measurements. The first of these seven annual measurements will establish the reference level against which future annual measurements will be compared. Based on an analysis of the data collected, the Director may require that the user obtain and report additional annual static water level measurements beyond the seven year minimum reporting period. The additional measurements may be required in a different month. If the measurement requirement is stopped, the Director may restart it at any time.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board and be submitted to the Department on forms provided by the Department. The Department requires the individual performing the measurement to:

- A) Identify each well with its associated measurement; and
- B) Measure and report water levels to the nearest tenth of a foot as depth-to-water below ground surface; and
- C) Specify the method used to obtain each well measurement; and
- D) Certify the accuracy of all measurements and calculations submitted to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if annual water level measurements reveal any of the following events:

- A) An average water level decline of 3 or more feet per year for five consecutive years; or
- B) A water level decline of 15 or more feet in fewer than five consecutive years; or
- C) A water level decline of 25 or more feet; or
- D) Hydraulic interference leading to a decline of 25 or more feet in any neighboring well with senior priority.

The period of non or restricted use shall continue until the annual water level rises above the decline level which triggered the action or until the Department determines, based on the permittee'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. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

### STANDARD CONDITIONS

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

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

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

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

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

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

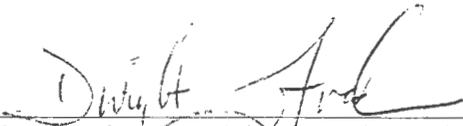
The use of water shall be limited when it interferes with any prior surface or ground water rights.

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

Complete application of the water to the use was to be made on or before October 1, 2010. By Extension of Time Final Order dated January 13, 2012, the complete application of water to the use was extended to October 1, 2030. 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                     **AUG 18 2017**                    , 2017

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

## Mailing List for Extension FO Copies

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Note: Include a copy of the "Important Notice" document along with the original copy of the Final Order being sent to the permit holder.

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**FO Date: January 13, 2012**

**Copies Mailed**

**Application G-15800  
Permit G-16853**

By Connie Vance  
On: 1/13/2012

**Original mailed to permit holder**

Diamond Ridge Water Association  
PO Box 8411  
Coburg, OR 97408-1306 ✓

**Copies sent to:**

1. WRD - App. File G-15800/ Permit G-16853 ✓
2. WRD - Watermaster District 2, Michael Mattick ✓
3. Alan Amoth, CWRE 37709 ✓

**Fee paid as specified under ORS 536.050 to receive copy:**

4. None

**Receiving via e-mail (10 AM day of signature date)**

(DONE BY EXTENSION SPECIALIST)

5. None

**If Progress Reports are included:**

(DONE BY EXTENSION SPECIALIST)

Add record to Progress Report tracking sheet.xls Done: by \_\_\_\_\_ Date \_\_\_\_\_

CASEWORKER: JWG

**Oregon Water Resources Department**  
**Water Right Services Division**

Water Rights Application  
Number G-15800

**Final Order**  
**Extension of Time for Permit Number G-16853**  
**Permit Holder: Diamond Ridge Water Association**

**Appeal Rights**

**This is a final order in other than a contested case.** This order is subject to judicial review under ORS 183.484. A request 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 file 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.

**Application History**

Permit G-16853 was issued by the Department on February 16, 2006. The permit called for complete application of water to beneficial use by October 1, 2010. On February 16, 2011, Diamond Ridge Water Association submitted to the Department an Application for Extension of Time for Permit G-16853. In accordance with OAR 690-315-0050(2), on September 6, 2011, the Department issued a Proposed Final Order proposing to extend the time to fully apply water to beneficial use to October 1, 2030. The protest period closed October 21, 2011, in accordance with OAR 690-315-0060(1). No protest was filed.

The Department adopts and incorporates by reference the Proposed Final Order dated September 6, 2011.

At time of issuance of the Proposed Final Order the Department concluded that, based on the factors demonstrated by the applicant, the permit may be extended subject to the following condition:

**CONDITION**

**1. Checkpoint Condition**

The permit holder must submit a completed Progress Report Form to the Department by **October 1, 2015, October 1, 2020, October 1, 2025, and October 1, 2029. A form will be enclosed with your Final Order.**

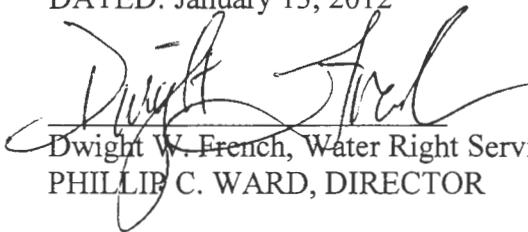
- (a) At each checkpoint, the permit holder shall submit and the Department shall review evidence of the permit holder's diligence towards completion of the project and compliance with terms and conditions of the permit and extension. If, after this review, the Department determines the permit holder has not been diligent in developing and perfecting the water use permit, or complied with all terms and conditions, the Department shall modify or further condition the permit or extension to ensure future compliance, or begin cancellation proceedings on the undeveloped portion of the permit pursuant to ORS 537.260 or 537.410, or require submission of a final proof survey pursuant to ORS 537.250;
- (b) The Department shall provide notice of receipt of progress reports in its weekly notice and shall allow a 30 day comment period for each report. The Department shall provide notice of its determination to anyone who submitted comments.

The applicant has demonstrated good cause for the permit extension pursuant to ORS 537.630, 539.010(5) and OAR 690-315-0040(2).

**Order**

The extension of time for Application G-15800, Permit G-16853, therefore, is approved subject to condition contained herein. The deadline for applying water to full beneficial use within the terms and conditions of the permit is extended from October 1, 2010 to October 1, 2030.

DATED: January 13, 2012



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

- 
- If you have any questions about statements contained in this document, please contact Jerry Gainey at (503) 986-0812.
  - If you have other questions about the Department or any of its programs, please contact our Water Resources Customer Service Group at (503) 986-0900
-

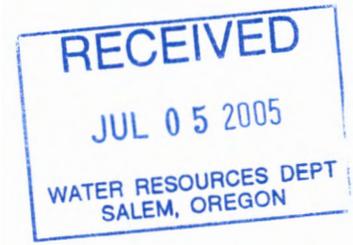
**LAW OFFICE OF BILL KLOOS, PC**

OREGON LAND USE LAW

576 OLIVE STREET, SUITE 300  
EUGENE, OR 97401  
PO BOX 11906  
EUGENE, OR 97440  
TEL (541) 343-8596  
FAX (541) 343-8702  
E-MAIL BILLKLOOS@LANDUSEOREGON.COM

July 1, 2005

Mr. Jerry Gainey  
Water Resources Department  
North Mall Office Building  
725 Summer St. NE, Suite A  
Salem, OR 97301-1271

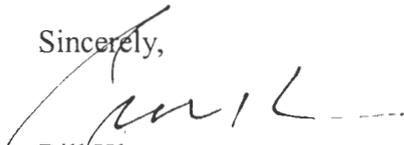


Re: Groundwater Application G-15800; Van Duyn Land Company, LLC

Dear Mr. Gainey:

Thank you for your letter of June 13, requesting changes in the final map for this application. I am enclosing a revised map by Goebel Engineering and Surveying, which shows only the three wells that have been approved for use. I trust this is all that the WRD needs to issue the final Permit for the groundwater supply for this community water system. Thank you for your consideration.

Sincerely,

  
Bill Kloos

Encl. Map by Goebel Engineering and Surveying  
C: Scott Goebel  
Mike Stevenson  
Ramon Fisher  
Scott Heideke

FOR ASSESSMENT  
AND TAXATION  
ONLY

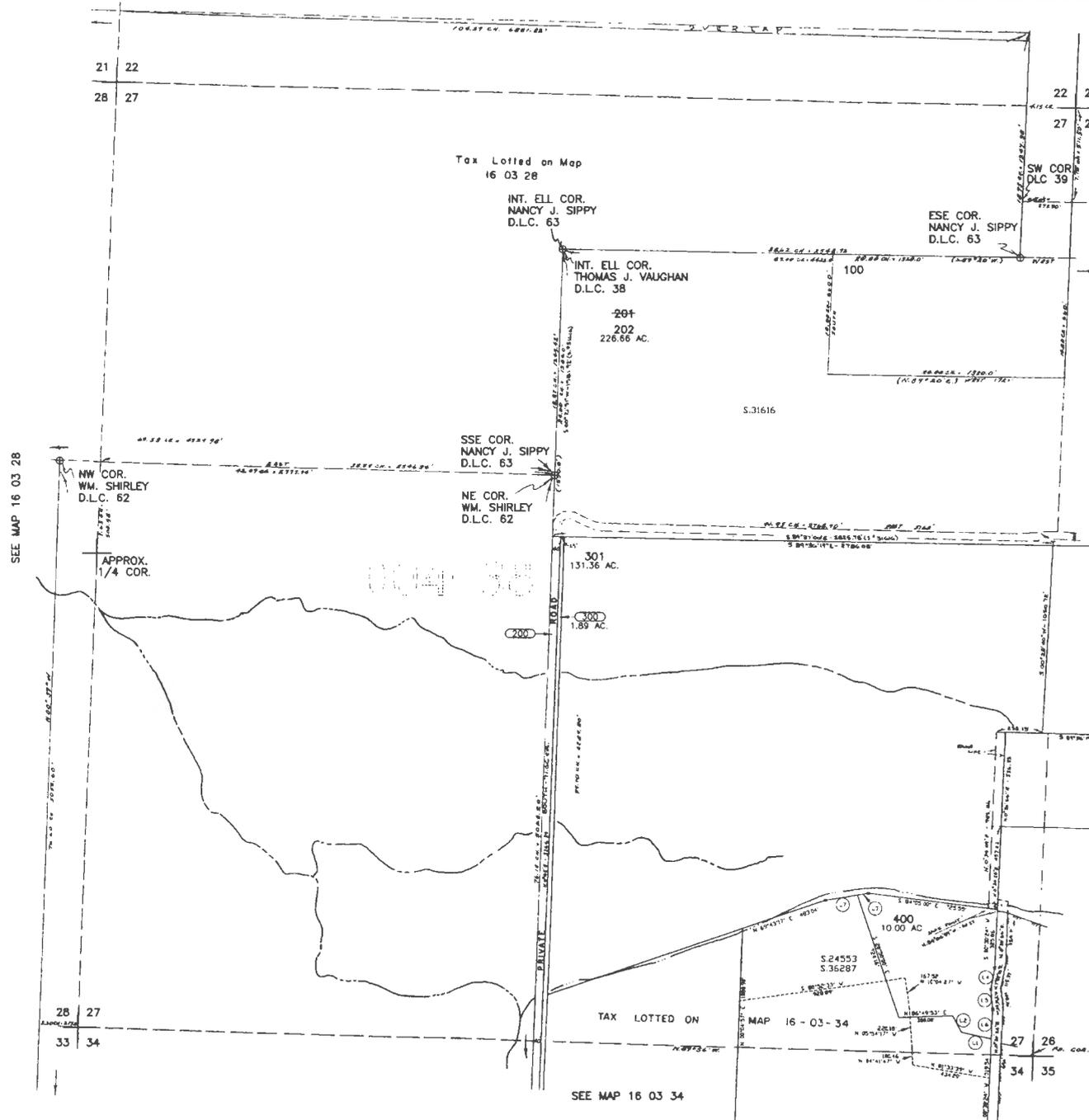
SECTION 27 T.16S. R.3W. W. M.  
LANE COUNTY

SCALE 1" = 400'

SEE MAP 16 03 22

DATE	REVISION	EMPLOYEE
3-17-91	REPLACEMENT	COOPER
3-17-91	UPGRADE TO 1991 STATUS	COOPER

16 03 27  
NAD 83/91



CANCELLED

SEE MAP 16 03 26

16 03 27

SEE MAP 16 03 34

?

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

WELL I.D. # L 59125  
 START CARD # 153278

Instructions for completing this report are on the last page of this form.

(1) **LAND OWNER** Well Number 2150  
 Name Van Duyn Land Co.  
 Address 33401 Van Duyn Rd  
 City Eugene State OR Zip 97408

(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 200 ft.  
 Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE		SEAL		Sacks or pounds	
Diameter	From To	Material	From To		
10"	0' 78'	Cement	0' 78'	31	Sacks
6"	78' 200'				

How was seal placed: Method  A  B  C  D  E  
 Other \_\_\_\_\_

Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
 Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(6) **CASING/LINER:**

Diameter	From To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6"	0' 78'	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: None			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used  Inside  Outside  None  
 Final location of shoe(s) \_\_\_\_\_

(7) **PERFORATIONS/SCREENS:**

Perforations Method \_\_\_\_\_  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

From To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
None						

(8) **WELL TESTS: Minimum testing time is 1 hour**

Yield gal/min	Drawdown	Drill stem at	Flowing Time
Dry		200'	1 hr.

Temperature of water Dry Depth Artesian Flow Found \_\_\_\_\_  
 Was a water analysis done?  Yes By whom \_\_\_\_\_  
 Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
 Depth of strata: \_\_\_\_\_

(9) **LOCATION OF WELL by legal description:**  
 County Lane Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Township 16S N or S Range 03W E or W WM.  
 Section 34 NW 1/4 SW 1/4  
 Tax Lot 200 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
 Street Address of Well (or nearest address) Same South across Van Duyn Rd

(10) **STATIC WATER LEVEL:**  
Dry ft. below land surface. Date 9-20-02  
 Artesian pressure \_\_\_\_\_ lb. per square inch Date \_\_\_\_\_

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

From	To	Estimated Flow Rate	SWL
		Dry	Dry

(12) **WELL LOG:**  
 Ground Elevation \_\_\_\_\_

Material	From	To	SWL
Topsoil & Brown Rock	0	4	
Brown Clay w/cobbles	4	26	
Brown Clay Stone	26	72	
Grey Clay Stone	72	200	Dry

Temporary Abandonment

RECEIVED  
 OCT 11 2002  
 WATER RESOURCES DEPT  
 SALEM OREGON

Date started 9-19-02 Completed 9-20-02

(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.  
 Signed John P. Abbott WWC Number 1742 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.  
 Signed Donald J. Spring WWC Number 751 Date 9-20-02

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

(WELL I.D.)# L n/a  
 (START CARD) # **167345**

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number \_\_\_\_\_  
 Name **Van Duyn Land Co.**  
 Address **33401 Van Duyn**  
 City **Eugene** State **OR** Zip **97405**

(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 **0** ft.  
 Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE.			SEAL.			Sacks or pounds
Diameter	From	To	Material	From	To	
6"	0	165	cement	0	165	30sacks

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:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) \_\_\_\_\_

(7) PERFORATIONS/SCREENS:

Perforations		Method		Material	
From	To	Type	Screen	Steel	Other
0	40	1"	400	1/4"	

Method: **Holte air perforator**  
 Type: **Casing**  
 Material: **Steel**

(8) WELL TESTS: Minimum testing time is 1 hour

<input type="checkbox"/> Pump	<input type="checkbox"/> Bailer	<input type="checkbox"/> Air	<input type="checkbox"/> Flowing
Yield gal/min	Drawdown	Drill stem at	Artesian
			Time
			1 hr.

Temperature of water \_\_\_\_\_ Depth Artesian Flow Found \_\_\_\_\_  
 Was a water analysis done?  Yes By whom \_\_\_\_\_  
 Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
 Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
 County **Lane** Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Township **16S** S Range **3W** W WM. \_\_\_\_\_  
 Section **34** SE 1/4 SW 1/4  
 Tax Lot **200** Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
 Street Address of Well (or nearest address) **Across from 33401 Van Duyn Road-Diamond Ridge Subdivision In Eugene**

(10) STATIC WATER LEVEL:  
 \_\_\_\_\_ ft. below land surface. Date \_\_\_\_\_  
 Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:

Depth at which water was first found \_\_\_\_\_

From	To	Estimated Flow Rate	SWI

(12) WELL LOG:

Ground Elevation \_\_\_\_\_

Material	From	To	SWI
Liner was extracted and casing was perforated to 40 feet and well was pumped full of cement from the bottom up.	165	0	

**RECEIVED**

JUL 08 2004

Casey Jones Well Drilling Co. Inc.  
 541-747-2806

WATER RESOURCES DEPT  
 SALEM, OREGON

Date started **7/2/04** Completed **7/2/04**

(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.

Signed \_\_\_\_\_ WWC Number **1776**  
 Date **7-2-04**

(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.

Signed \_\_\_\_\_ WWC Number **1541**  
 Date **7-2-04**

STATE OF OREGON  
WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

WELL I.D. # L None/Pulled Casing  
START CARD # 153279

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER Name Van Duyn Land Co. Well Number 2151  
Address 33401 Van Duyn Rd  
City Eugene State OR Zip 97408

(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 160'  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE		SEAL		Sacks or pounds	
Diameter	From To	Material	From To		
10"	0' 65'	Cement	0' 65'	18	Sack's
6"	65' 160'	Cement	65' 160'	19	Sack's
<u>Permanent Abandonment</u>					

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: <u>None</u>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner: <u>None</u>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used  Inside  Outside  None  
Final location of shoe(s) \_\_\_\_\_

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
<u>None</u>							

(8) WELL TESTS: Minimum testing time is 1 hour

Yield gal/min	Drawdown	Drill stem at	Time
<u>Dry</u>		<u>160'</u>	<u>1 hr.</u>

Temperature of water Dry Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
County Lane Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 16S N or S Range 03 W E or W W.M.  
Section 34 NW 1/4 SW 1/4  
Tax Lot 200 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) Same  
South across Van Duyn Rd

(10) STATIC WATER LEVEL:  
Dry ft. below land surface. Date 9-21-02  
Artesian pressure \_\_\_\_\_ lb. per square inch Date \_\_\_\_\_

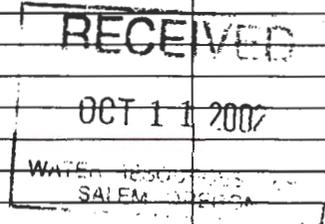
(11) WATER BEARING ZONES:

Depth at which water was first found Dry

From	To	Estimated Flow Rate	SWL
		<u>Dry</u>	<u>Dry</u>

(12) WELL LOG:  
Ground Elevation \_\_\_\_\_

Material	From	To	SWL
<u>Brown Claystone</u>	<u>0</u>	<u>34</u>	
<u>Claystone &amp; Boulders</u>	<u>34</u>	<u>59</u>	
<u>Black Basalt</u>	<u>59</u>	<u>63</u>	
<u>Brown Conglomerate</u>	<u>63</u>	<u>135</u>	
<u>Grey Clay Stone</u>	<u>135</u>	<u>160</u>	<u>Dry</u>



Date started 9-20-02 Completed 9-21-02

(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.  
Signed Edward P. Helms WWC Number 1742 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.  
Signed Donald J. Forging WWC Number 751 Date 9-26-02

**LAW OFFICE OF BILL KLOOS, PC**

OREGON LAND USE LAW

576 OLIVE STREET, SUITE 300  
EUGENE, OR 97401  
PO BOX 11906  
EUGENE, OR 97440  
TEL (541) 343-8596  
FAX (541) 343-8702

E-MAIL BILLKLOOS@LANDUSEOREGON.COM

**FAX TRANSMITTAL SHEET**I am transmitting - 3 - page(s), including this cover sheet.

From: Bill Kloos

Date: June 29, 2004

Re: Van Duyn Land Co.; Application No. G-15800

To: Mark Norton, WRD, Via Fax; ~~503-378-2498~~ *986-0903*

cc: Ramon Fisher, Via Fax: 782-2203

Lois Stevenson, Via Fax: 687-2482

Jim Stevens, Aqua-Metrics, Via Fax: 685-0441

---

Marc:

Just want to keep you posted on the status of our well drilling at this site. See the attached plot plan for the whole subdivision, and the excerpt showing the lots in the SE corner of the project.

Well #2 is the approved well at 187' depth.

Well # 5 is new, at the location shown, at a depth of 297', in about 150' of sandstone, with an air test of about 40 gpm, per Casey Jones. It needs to be pump tested and quality checked.

Well #6 is underway now, at the location shown.

I think these locations are generally consistent with my previous email exchanges with you.

If you have any questions about the work that is underway, please call.

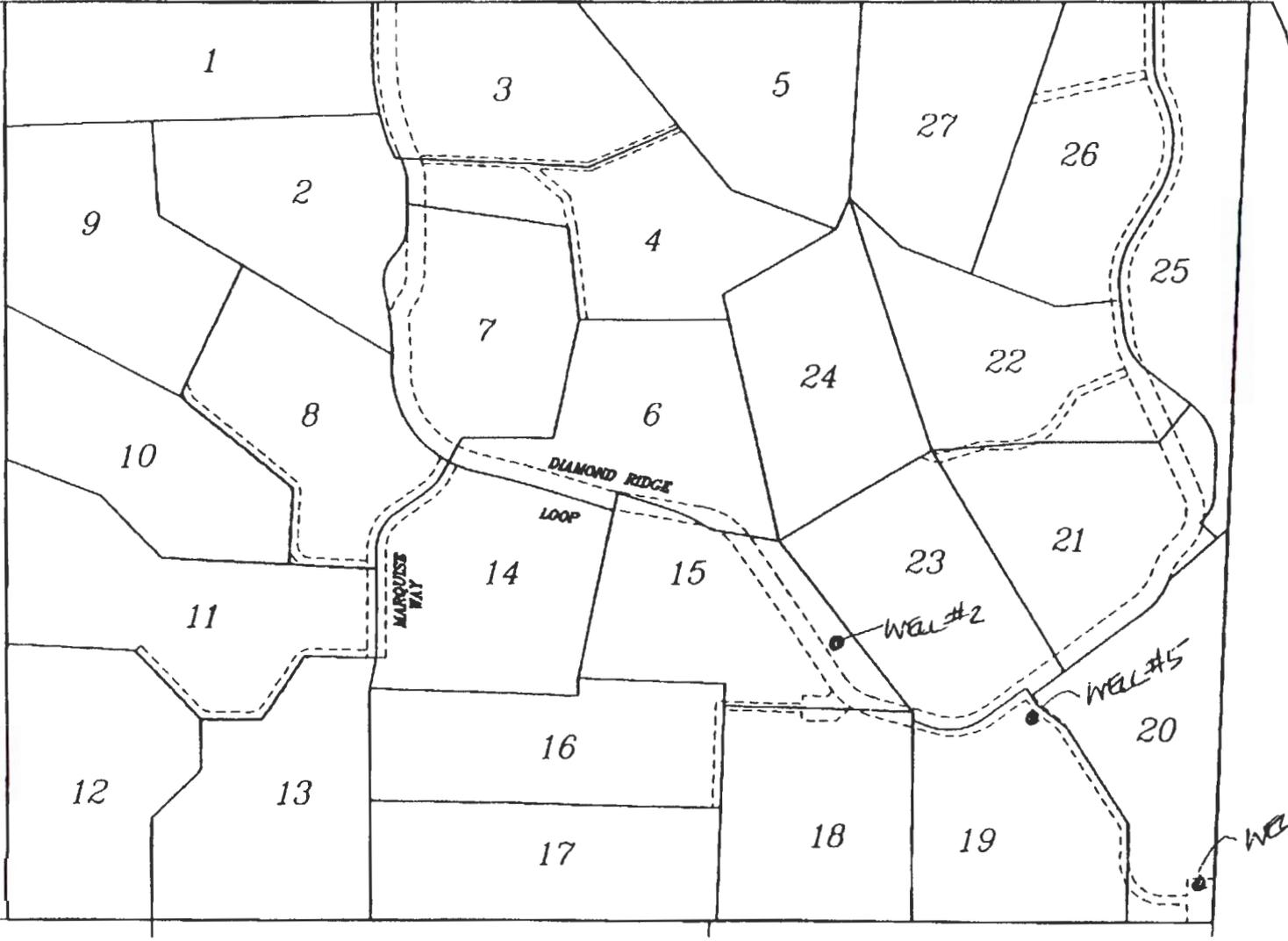
Bill Kloos

The information contained in this FAX message is intended only for the personal and confidential use of the designated recipient above. This message may be an attorney-client communication, and as such is privileged and confidential. If the reader of this message is not the intended recipient or an agent responsible for delivering it to the intended recipient, you are hereby notified that you received this document in error, and any review, dissemination, distribution, or copying of this message is strictly prohibited. If you received this message in error, please notify us immediately by telephone and return the original message to us by mail. Thank you.

**DIAMOND RIDGE SUBDIVISION**  
W 1/2 SEC. 35 AND SEC. 34, T. 16 S., R. 3 W., W.M.  
LANE COUNTY, OREGON

VAN DUYN ROAD

CORBURG HILLS RD.

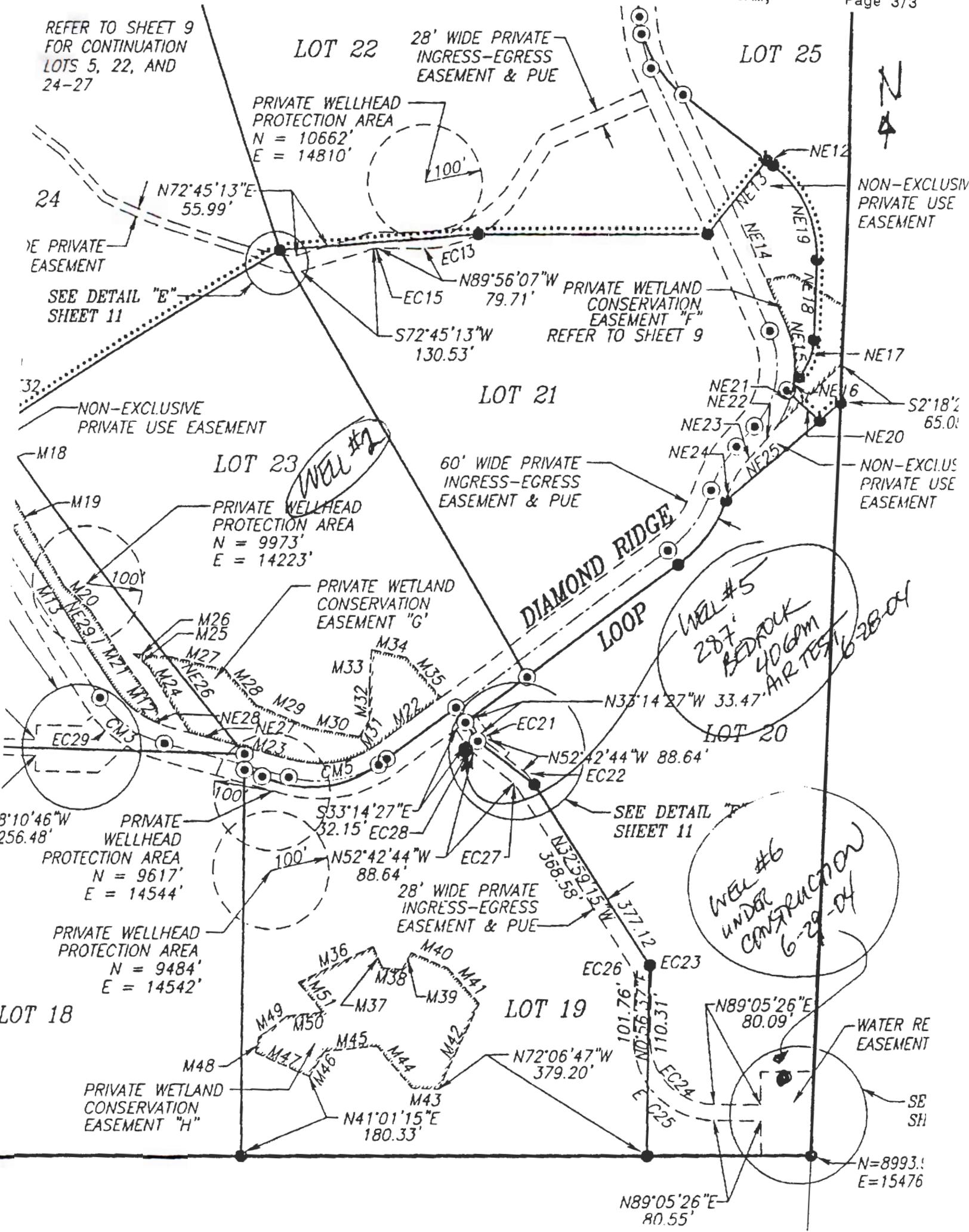


**EXHIBIT B**  
Diamond Ridge CCRs  
Schematic Map  
of Lots in Subdivision

**C.E.V. Coebel Engineering & Surveying**  
ENGINEERING SURVEYING PLANNING  
1700 NE 10th Street, Oregon  
(503) 637-0044

PA01-6119  
TAX MAP 16-03-34 TAX LOT 201

SHEET 1 OF 1



REFER TO SHEET 9  
FOR CONTINUATION  
LOTS 5, 22, AND  
24-27

LOT 22

28' WIDE PRIVATE  
INGRESS-EGRESS  
EASEMENT & PUE

LOT 25

PRIVATE WELLHEAD  
PROTECTION AREA  
N = 10662'  
E = 14810'

NON-EXCLUSIV  
PRIVATE USE  
EASEMENT

24  
N72°45'13"E  
55.99'

24  
PRIVATE  
EASEMENT

SEE DETAIL "E"  
SHEET 11

EC13  
N89°56'07"W  
79.71'  
EC15  
S72°45'13"W  
130.53'

PRIVATE WETLAND  
CONSERVATION  
EASEMENT "F"  
REFER TO SHEET 9

LOT 21

NON-EXCLUSIVE  
PRIVATE USE EASEMENT

LOT 23

PRIVATE WELLHEAD  
PROTECTION AREA  
N = 9973'  
E = 14223'

60' WIDE PRIVATE  
INGRESS-EGRESS  
EASEMENT & PUE

NE12  
NE13  
NE14  
NE15  
NE16  
NE17  
NE18  
NE19  
S2°18'1/2"  
65.01'

NON-EXCLUS  
PRIVATE USE  
EASEMENT

DIAMOND RIDGE  
LOOP

WELL #5  
287'  
BEDROCK  
406GPM  
AIR TEST  
6-28-04

M18  
M19  
M20  
M21  
M22  
M23  
M24  
M25  
M26  
M27  
M28  
M29  
M30  
M31  
M32  
M33  
M34  
M35  
EC29  
CM3  
EC28  
N33°14'27"W  
33.47'

PRIVATE WETLAND  
CONSERVATION  
EASEMENT "G"

LOT 20

EC21  
N52°42'44"W  
88.64'  
EC22  
N52°59'15"W  
368.58'

SEE DETAIL "F"  
SHEET 11

PRIVATE  
WELLHEAD  
PROTECTION AREA  
N = 9617'  
E = 14544'

28' WIDE PRIVATE  
INGRESS-EGRESS  
EASEMENT & PUE

WELL #6  
UNDER  
CONSTRUCTION  
6-29-04

PRIVATE WELLHEAD  
PROTECTION AREA  
N = 9484'  
E = 14542'

LOT 19

LOT 18

M36  
M37  
M38  
M39  
M40  
M41  
M42  
M43  
M44  
M45  
M46  
M47  
M48  
M49  
M50  
N72°06'47"W  
379.20'  
N41°01'15"E  
180.33'

PRIVATE WETLAND  
CONSERVATION  
EASEMENT "H"

EC26  
EC27  
EC28  
EC29  
N52°42'44"W  
88.64'  
EC24  
EC25  
N89°05'26"E  
80.09'

WATER RE  
EASEMENT

SEE  
SHEET

N=8993.1  
E=15476

N89°05'26"E  
80.55'

**LAW OFFICE OF BILL KLOOS, PC**

OREGON LAND USE LAW

576 OLIVE STREET, SUITE 300  
EUGENE, OR 97401  
PO BOX 11906  
EUGENE, OR 97440  
TEL (541) 343-8596  
FAX (541) 343-8702  
E-MAIL BILLKLOOS@LANDUSEOREGON.COM

December 17, 2004

Mr. Jerry Gainey  
Water Resources Department  
North Mall Office Building  
725 Summer Street NE, Suite A  
Salem, OR 97301-1271

Re: Application G-15800

Dear Mr. Gainey:

Thank you for your letter dated November 22, 2004 on this matter, which requested a revised mapping of wells authorized by the permit.

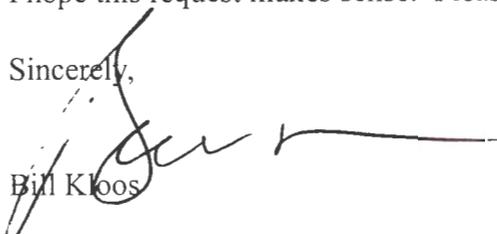
Since we last communicated on this matter, two new wells were drilled at locations approved by the department and at depths required by the department. Those wells have been pump tested and tied to the community water system, which is still under construction. Upon receiving your letter, Goebel Engineering and Surveying surveyed in the locations of the wells, so that they can be shown on a revision of the Goebel map you already have, dated December 10, 2003. The revised map will be forwarded to you, as requested in your letter.

The only unexpected development at our end is that our Surveyor/Engineer, Scott Goebel, has been out sick for more than a week. I can't tell for sure when he will be back in action, but the December 22 deadline in your letter is looming.

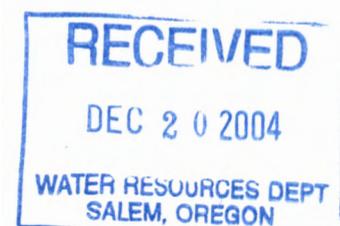
Therefore, on behalf of the applicant, I would like to request a short extension of your deadline, or a short administrative hold on the processing, to allow time for his recovery. At this juncture, the work remaining is simply displaying the surveyed locations of the two new wells on the map and forwarding the revision to you.

I hope this request makes sense. Please let me know if you need any further information.

Sincerely,

  
Bill Kloos

C: Scott Goebel



PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT  
OF THE RETURN ADDRESS. FOLD AT DOTTED LINE

**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 15800

BILL KLOOS  
 PO BOX 11906  
 576 OLIVE ST., SUITE 300  
 EUGENE OR 97401

2. Article Number

(Transfer from service label)

7004 1350 0000 7662 4863

PS Form 3811, February 2004

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

- Agent  
 Addressee

B. Received by (Printed Name)

*Daniel Jewell*

C. Date of Delivery

9/14/05

D. Is delivery address different from item 1?

- Yes  
 No

If YES, enter delivery address below:

3. Service Type

- Certified Mail     Express Mail  
 Registered     Return Receipt for Merchandise  
 Insured Mail     C.O.D.

4. Restricted Delivery? (Extra Fee)

- Yes

Domestic Return Receipt

WR

102595-02-M-1541

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 •

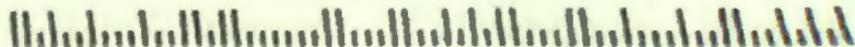
RECEIVED

JUN 15 2005

WATER RESOURCES DEPT  
SALEM, OREGON

WATER RESOURCES DEPARTMENT  
725 SUMMER STREET NE SUITE A  
SALEM OR 97301-1271

07





# 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

June 13, 2005

**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

Bill Kloos  
PO Box 11906  
576 Olive St, Suite 300  
Eugene, Oregon 97401

Reference: Application G-15800

Dear Mr. Kloos:

On January 13, 2005, the Water Resources Department (Department) received a map for the above referenced application. The map reflects six wells of which Well 1 and Well 3 were withdrawn by you as a source as indicated in the Proposed Final Order (PFO), dated February 24, 2004. A review of the original map submitted with the application and the new map, Well 1 and Well 3 are identical wells and identical location. Well 1 and Well 3 are not an allowed source under this application.

The Department will not issue a permit until you have provided the Department with an acceptable map reflecting only those wells that have been approved for use and the location of those wells.

Please submit the requested information no later than **July 12, 2005**. If we do not receive the requested information by the requested date, **we will reject** the above referenced application consistent with ORS 537.153. If your application is rejected, the priority date associated with your application will be lost.

If you have any questions, please contact me at 503-986-0812 or Marc Norton at 503-986-0841.

Sincerely,

*Jerry Gainey*

Jerry Gainey  
Water Right Application Caseworker

cc: Michael Mattick, Watermaster District 2  
Van Duyn Land Co. LLC  
Scott Goebel, Goebel Engineering & Surveying, Inc.  
File

## **BAMBERGER Machelles A**

---

**From:** Steven I. Recca <steverecca@egrassoc.com>  
**Sent:** Thursday, October 22, 2015 1:49 PM  
**To:** BAMBERGER Machelles A  
**Cc:** Clint  
**Subject:** Diamond Ridge Water Association Application G-15800, permit G-16016

Please add the following information to section 2 , *Compliance with terms and conditions of the permit and/or previous extension* of the Extension of Time Progress Report form previously submitted for permit G-16016:

A monitoring plan as specified in the permit was submitted and approved by the Department on 1/31/2012.  
March static water levels have been submitted for the period 2012 through 2014.  
24 of the 27 home sites authorized by the permit have been developed.

If you have any question or comments, please feel free to contact us.

Steven I. Recca, R.G.

EGR & Associates, Inc.  
2535B Prairie Road  
Eugene Oregon, 97402

Phone: 541-688-8322  
Fax: 541-688-8087

NOTICE: This communication may contain privileged or other confidential information. If you have received it in error, please advise the sender by reply email and immediately delete the message and any attachments without copying or disclosing the contents. Thank you.

STATE OF OREGON  
WATER SUPPLY WELL REPORT  
(as required by ORS 537.765 & OAR 690-205-0210)

LANE 73479  
10/24/2014

WELL I.D. LABEL# L116109  
START CARD # 1024725  
ORIGINAL LOG #

(1) LAND OWNER

Owner Well I.D. \_\_\_\_\_  
First Name \_\_\_\_\_ Last Name \_\_\_\_\_  
Company DIAMOND RIDGE HOMEOWNERS ASSOCIATION  
Address PO BOX 8411  
City COBURG State OR Zip 97408

(2) TYPE OF WORK  New Well  Deepening  Conversion  
 Alteration (complete 2a & 10)  Abandonment (complete 5a)

(2a) PRE-ALTERATION

Dia + From To Gauge Std Plstc Wld Thrd  
Casing: \_\_\_\_\_  
Material From To Amt sacks/lbs  
Seal: \_\_\_\_\_

(3) DRILL METHOD

Rotary Air  Rotary Mud  Cable  Auger  Cable Mud  
 Reverse Rotary  Other \_\_\_\_\_

(4) PROPOSED USE  Domestic  Irrigation  Community

Industrial/ Commercial  Livestock  Dewatering  
 Thermal  Injection  Other \_\_\_\_\_

(5) BORE HOLE CONSTRUCTION Special Standard  (Attach copy)

Depth of Completed Well 425.00 ft.

BORE HOLE			SEAL			sacks/	
Dia	From	To	Material	From	To	Amt	lbs
10	0	199	Cement	0	199	78	S
6	199	425					

How was seal placed: Method  A  B  C  D  E  
 Other \_\_\_\_\_

Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_

Filter pack from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_ Size \_\_\_\_\_

Explosives used:  Yes Type \_\_\_\_\_ Amount \_\_\_\_\_

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount \_\_\_\_\_ Actual Amount \_\_\_\_\_

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Std	Plstc	Wld	Thrd
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6	<input checked="" type="checkbox"/>	2	200	.250	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	4.5	<input type="checkbox"/>	2	425	sdr26	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Shoe  Inside  Outside  Other Location of shoe(s) 200

Temp casing  Yes Dia \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

(7) PERFORATIONS/SCREENS

Perforations Method saw

Screens Type \_\_\_\_\_ Material \_\_\_\_\_

Perf/	Casing/	Screen	Screen/	Slot	# of	Tele/		
Screen	Liner	Dia	From	To	width	length	slots	pipe size
Perf	Liner	4.5	325	425	.125	1	1000	

(8) WELL TESTS: Minimum testing time is 1 hour

Pump  Bailer  Air  Flowing Artesian

Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)

75		425	1
----	--	-----	---

Temperature 57 °F Lab analysis  Yes By \_\_\_\_\_

Water quality concerns?  Yes (describe below) TDS amount

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County LANE Twp 16.00 S N/S Range 3.00 W E/W WM  
Sec 34 NE 1/4 of the SE 1/4 Tax Lot 1800

Tax Map Number \_\_\_\_\_ MS or DD

Lat \_\_\_\_\_ MS or DD

Long \_\_\_\_\_

Street address:

90747 DIAMOND RIDGE  
EUGENE

New well  
Not Authorized  
on permit.

(10) STATIC WATER

Existing Well / Pre-Completed Well	Completed	Date	VL(ft)
		10/23/2014	233

Flowing Artesian?  Dry Hole?

WATER BEARING ZONES Depth water was first found 175.00

SWL Date From To Est Flow SWL(psi) + SWL(ft)

10/21/2014	165	167	2	150
10/21/2014	188	190	18	150
10/23/2014	318	320	20	233
10/23/2014	385	390	55	233

(11) WELL LOG

Ground Elevation \_\_\_\_\_

Material	From	To
topsoil	0	1
brown clay	1	12
blue gray clay	12	14
brown clay	14	20
brown red claystone "soft"	20	95
gray brown claystone "soft"	95	113
gray claystone "soft"	113	163
green blue claystone "soft"	163	175
gray brown claystone "soft"	175	184
green blue conglomerate	184	191
gray blue conglomerate "medium"	191	425

Date Started 10/16/2014 Complete 10/23/2014

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, 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.

License Number 1839 Date 10/24/2014

Signed MICHAEL J HOLLEY (E-filed)

(bonded) Water Well Constructor Certification

I accept responsibility for the construction, deepening, 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.

License Number 1541 Date 10/24/2014

Signed CASEY JONES JR (E-filed)

Contact Info (optional) Casey Jones Well Drilling Co., Inc. 541-747-2806





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

**Extension of Time  
 Progress Report Form  
 For Checkpoints**

TO THE DIRECTOR OF THE OREGON WATER RESOURCES DEPARTMENT

RECEIVED BY OWRD

OCT 05 2015

SALEM, OR

Permit Holder: Diamond Ridge Water Assoc.  
 Application: G-15800 Permit: G-16853  
 Report Due no later than October 1, 2014<sup>5</sup>

**Progress Report Form for 2015**

As authorized in ORS 690-315-0050(6), this progress report is required in order to ensure diligence is exercised in the development and perfections of Permit G-16853

INSERT DATES	LIST ALL WORK ACCOMPLISHED and FINANCIAL INVESTMENTS For the period of time between February 16, 2011 and October 1, 2015	FINANCIAL INVESTMENT
10/2014	new well drilled	116,979.75
3/14-11/14	pump test, analyze water usage, placement for new well	4,1166.40
7/14	put in individual meter to each well	2,587.50
11/14	ran lines to hookup existing well	7,309.12
6/15	new transmission <sup>lines</sup> from wells, new sensor, pumps	41,648.25
12/14	Analyze <del>data</del> , + compile data,	8,807.19

2. Compliance with terms and conditions of the permit and/or previous extension.

3. Total number of acres irrigated to date= 9.21 (if applicable)

4. Provide the maximum rate, or duty if applicable, of water diverted for beneficial use under this permit, if any, made to date.

Maximum rate used to date = 0.18 cfs (cubic feet per second), or

Maximum rate used to date = 80 gpm (gallons per minute), or

*Report the rate in the same units of measurement as specified in the permit, being cfs (cubic feet per second), gpm (gallons per minute) or AF (acre-feet). Do not provide daily, monthly or annual water volume totals.*

Signature [Handwritten Signature]

Date 9/30/15

For OWRD use only

Diligence Shown  Yes  No

Date Public Noticed: 10/20/2015

Reviewed by: Machelle Panberg ex

Date: 10-8-15



EGI

25

Permit

W# 2

LANE 58952

10-20-2008

Deepened

LANE 69064

6/10/2009

Well # 5

LANE 63580

6-27-2009

well 6

LANE 63579

6-28-2009

New well

LANE 73479

10-23-14

NO SWL for 2015



ZIP 97402  
041L13805978

\$00.48<sup>9</sup>

FIRST CLASS MAIL



# Oregon

Kate Brown, Governor

**Water Resources Department**

725 Summer St NE, Suite A

Salem, OR 97301

(503) 986-0900

Fax (503) 986-0904

December 1, 2015

Diamond Ridge Water Association  
PO BOX 8411  
COBURG, OR 97408

REFERENCE: Application G-15800 / Permit G-16853

Dear Permit Holder:

The Water Right Services Division received your written 2015 progress report for Permit G-16853. Receipt of the progress report was published on the Department's weekly Public Notice, dated 10/20/2015. The Department did not receive any public comment on the progress report.

After reviewing your Progress Report, the Department determined that diligence toward completion of the project and compliance with the terms and conditions of the permit and extension has been demonstrated.

**To legally use the new well (LANE 73479) under this permit, you must apply for and gain approval for a permit amendment.**

Your next written progress report for Permit G-16853 is due no later than **October 1, 2020**. The report must be received by the Department no sooner than 30 days prior to the due date. You also have (a) future report(s) that will be due by October 1, 2025 and 2029.

For your convenience, I have enclosed your next *Progress Report Form*. Please calendar this October 1, 2020 due date, as no further reminders will be sent.

As per your most recent extension, the date by which water must be applied to full beneficial use within the terms and conditions of your permit is October 1, 2030. ***Failure to submit a written progress report will most likely result in any future extensions being denied.***

If you have any questions, please feel free to contact me by telephone at (503) 986-0802.

Sincerely,  
  
Machelle A Bamberger  
Extensions  
Water Right Services Division

Enclosure

cc: Application G-15800  
Watermaster District 2 – Michael Mattick



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

**Extension of Time  
 Progress Report Form  
 For Checkpoints**

TO THE DIRECTOR OF THE OREGON WATER RESOURCES DEPARTMENT

Permit Holder: Diamond Ridge Water Association

Application G-15800

Permit G-16853

Report Due no later than October 1, 2020

DO NOT SUBMIT PRIOR TO 30 DAYS BEFORE DUE DATE

**Progress Report Form for 2020**

As authorized in ORS 690-315-0050(6), this progress report is required in order to ensure diligence is exercised in the development and perfection of Permit G-16853. FAILURE TO SUBMIT THIS REPORT WILL MOST LIKELY RESULT IN ANY FUTURE EXTENSION BEING DENIED.

INSERT DATES	LIST ALL WORK ACCOMPLISHED and FINANCIAL INVESTMENTS For the period of time between October 1, 2015 and October 1, 2020	FINANCIAL INVESTMENT
	Applied for a Permit Amendment to add new well LANE 73479 to permit	
	Gained Approval for use of WELL LANE 73479 under this permit	

2. Compliance with terms and conditions of the permit and/or previous extension.

3. Total number of Households connected to date= \_\_\_\_\_

4. Provide the maximum rate, or duty if applicable, of water diverted for beneficial use under this permit, if any, made to date.

Maximum rate used to date = \_\_\_\_\_ cfs (cubic feet per second)

Maximum rate used to date = \_\_\_\_\_ gpm (gallons per minute)

Acre-feet stored to date = \_\_\_\_\_ AF

Report the rate in the same units of measurement as specified in the permit, being cfs (cubic feet per second), gpm (gallons per minute) or AF (acre-feet). Do not provide daily, monthly or annual water volume totals.

INCOMPLETE REPORTS WILL BE RETURNED. AN ANSWER IS REQUIRED IN EACH ITEM. USE N/A FOR ITEM 3 IF THE USE IS NOT IRRIGATION.

Signature \_\_\_\_\_ Date \_\_\_\_\_

*For OWRD use only*

Diligence Shown  Yes  No

Date Public Noticed: \_\_\_\_\_

Reviewed by: \_\_\_\_\_

Date: \_\_\_\_\_



# Oregon

John A. Kitzhaber, MD, Governor

**Water Resources Department**  
North Mall Office Building  
725 Summer St. NE, Suite A  
Salem, OR 97301  
Phone 503-986-0900  
FAX 503-986-0904  
[www.wrd.state.or.us](http://www.wrd.state.or.us)

January 31, 2012

(503) 986-0841

Patti Smith  
P.O. Box 8411  
Coburg, OR 97408

Re: Water Level Monitoring Plan – Permits G-16853

Dear Patrick:

I have received your draft revised measurement plan, dated April 13, 2011. I can approve the plan and look forward to receiving water-level data from the designated wells. Please note that the plan may be modified, if appropriate, upon request or as directed.

Ideally, the reference water levels specified in such plans would be obtained under the same operational circumstances as the measurements that are made in accordance with the plan. This plan indicates that the reference water levels will be established by the measurements made in March 2012.

Please call me at the above number if you have any questions.

Sincerely,

Marc A. Norton  
Hydrogeologist

cc: Alan Amoth, CWRE



File G-15800

April 13, 2011

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

RECEIVED

APR 14 2011

WATER RESOURCES DEPT  
SALEM, OREGON

Attention: Marc Norton

Subject: Submittal of Aquifer Monitoring Plan for the Diamond Ridge Subdivision, Permit G-~~16016~~ 16853

Dear Marc,

On behalf of the Diamond Ridge Water Association I am <sup>16853</sup> here in submitting the Aquifer Monitoring Plan that is one of the required Conditions in their Permit G-~~16016~~. As you described in your email of 4/12/2011, once you receive this Plan you will file it in the water right file and in Groundwater and notify Diamond Ridge (Patti Smith) that the permit requirement has been fulfilled.

Thank you for your help throughout this process.

Kindest Regards,



Alan Amoth, CWRE 37709

Enc.

**AQUIFER MONITORING PLAN**  
for the  
**DIAMOND RIDGE WATER ASSOCIATION**

Permit G-15800  
Permit G-16853

**Permit No.:** G-16016

**Date:** April 13, 2011

**Prepared by:** Alan R. Amoth, CWRE no. 37709

The following plan to monitor and report the impact of water use on water levels within the aquifer is submitted in fulfillment of a condition outlined in the water rights Permit no. G-~~16016~~ 16853 issued on February 16, 2002. This permit is assigned to the Diamond Ridge Water Association (DR). Initially, it was issued to the Van Duyn Land Co. LLC.

Permit G-16016 authorizes the use of groundwater from three wells located in the Daniels Creek basin for domestic use by 27 households at a maximum combined rate of 0.13 cfs.

**Aquifer Monitoring Plan:**

1. DR will measure the static water level in each well during March of each year.
2. The reference water level will be established by the measurements made in March 2011.
3. The three wells are identified as:

<u>Permit Identification</u>	<u>Diamond Ridge Name</u>	<u>Well Tag no.</u>	<u>Well Log no.</u>
Well #2	Well no. 3	44872	Lane 58952 new Lane 69664 deepen
Well #5	Well no. 1 (road well)	71194	Lane 63580
Well #6	Well no. 2 (tank well)	71191	Lane 63579

4. The methodology for obtaining the measurements will be an electric tape marked in 5-foot increments and a tape measure marked in feet and hundredths of a foot.
5. The measurements will be reported in feet and tenths of a foot below land surface to within an accuracy of +/- 0.10 ft.
6. The wells will not be pumped for 24 hours prior to taking the measurements.

7. The person obtaining the measurements will be a certified water rights examiner, registered professional geologist, registered professional engineer, or licensed well constructor or pump installer licensed by the Construction Contractors Board.
  8. Water level data that is collected will be recorded on the Permit Condition Water-Level Reporting Form issued by the Oregon Water Resourced Department (OWRD).
  9. Annual reports will be sent to the OWRD, Measurements and Reporting Section, 725 Summer Street NE, Suite A, Salem, OR 97301-1266 no later than April 30<sup>th</sup> of each year.
- 

Questions or requests for changes can be directed to:

Diamond Ridge Water Association  
Attn: Patti Smith  
P.O. Box 8411  
Coburg, OR 97408-1303  
Phone: 541-912-7250  
Email: carltti@msn.com

or ...

Alan Amoth CWRE  
Phone: 541-760-2348  
Email: amothfam@proaxis.com

**Marc Norton**

File G-15800

---

**From:** amothfam <amothfam@proaxis.com>  
**Sent:** Monday, January 30, 2012 11:42 AM  
**To:** 'Marc Norton'  
**Subject:** RE: Diamond Ridge Subdivision

Marc,

I decided to attempt to address your questions sooner than later so the following will hopefully provide these answers.

You are correct about the permit number. This happened because the permit number was changed during the course of the extension of time submittal process. The initial permit, G-16016, was issued 2/16/2006. When I became involved in assisting Diamond Ridge with the necessary extension of time application, I noticed that there was a confusing "water use" description in this permit and worked with Dwight French to clarify the permit's intent. As a result, Dwight issued a new permit, G-16853 on 6/6/2011 to correct the confusing description.

Your second question mentions that: "The application lists LANE 58952 as Permit Well #2, .....". I am looking at the that I prepared and was submitted February of last year and I see under Chart-E of this application that I showed permit well #2 as being associated with Well Log Numbers LANE 58953 & LANE 69664. The first thing I see here and can't explain is why LANE # 58953 was listed. I must assume that I made a blunder when filling out the application. It should read that well #2 having tag number 44872 is also identified as Well Log Numbers LANE 58592 & LANE 69664.

These two well log numbers are for the same well. The well was initially installed in October, 2000 to a depth of 187 ft. according to the log. Water use in the Diamond Ridge development was first started in 2007 with the completion of the first home. For reasons I can't recall at the moment, this well was deepened to 403 ft. in 2009. I'm sure it was done to provide more reliable capacity.

I hope this discussion has answered your questions satisfactorily. Please email back or call on my cell (541-760-2348) if I can provide any further clarification.

Thanks,

Alan Amoth

---

**From:** Marc Norton [<mailto:marc.a.norton@state.or.us>]  
**Sent:** Monday, January 30, 2012 10:29 AM  
**To:** amothfam  
**Subject:** RE: Diamond Ridge Subdivision

Thanks Alan

---

**From:** amothfam [<mailto:amothfam@proaxis.com>]  
**Sent:** Monday, January 30, 2012 10:00 AM  
**To:** 'Marc Norton'  
**Subject:** RE: Diamond Ridge Subdivision

Marc,

Yes, it has been a long time. I'll have to dust off my files and refresh my memory. I'll try to respond later today or at least by tomorrow.

Alan Amoth

---

**From:** Marc Norton [<mailto:marc.a.norton@state.or.us>]

**Sent:** Monday, January 30, 2012 9:27 AM

**To:** amothfam ([amothfam@proaxis.com](mailto:amothfam@proaxis.com))

**Subject:** Diamond Ridge Subdivision

Hello Alan,

I am working on the monitoring plan for Diamond Ridge Subdivision. I noticed that you have the wrong permit number; it should be Application # 15800, Permit # G-16853.

I have a question concerning well numbers (yours and ours) and the tie to Well Log ID. The monitoring plan lists the following:

Permit #	Diamond Ridge #	Well Tag #	Well log #
Well #2	Well #3	44872	LANE 58952 - Original LANE 69664 - Deepening
Well #5	Well #1 - Road Well		
Well #6	Well #2 - Tank Well		

The Application for Extension of Time is consistent with Permit Wells #5 & #6; the problem is with well #2. The application lists LANE 58952 as Permit Well #2, not LANE 58952/LANE 69664. Can you verify which well log is correct for Permit well #2.

I am sorry that it has taken me this long. Let me know if you have any questions.

Marc  
503-986-0841

**Oregon Water Resources Department**  
**Water Right Services Division**

**Application for Extension of Time**

In the Matter of the Application for an Extension of Time )  
for Permit G-16853, Water Right Application G-15800 ) PROPOSED FINAL ORDER  
in the name of Diamond Ridge Water Association )

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**Permit Information**

**Application File G-15800 Permit G-16853**

Basin: 2 – Willamette / Watermaster District 2

Date of Priority: July 17, 2002

**Authorized Use of Water**

Source of Water: Well 2, Well 5, and Well 6 within the Daniels Creek Basin

Purpose of Use: Group domestic for 27 households; Irrigation of ½ acre per household

Maximum Rate: 0.13 Cubic Feet per Second (cfs)

---

**This Extension of Time request is being processed in accordance with Oregon Administrative Rule Chapter 690, Division 315**

***Please read this Proposed Final Order in its entirety as it contains additional conditions not included in the original permit.***

This Proposed Final Order applies only to Permit G-16853, water right Application G-15800. A copy of Permit G-16853 is enclosed as Attachment 1.

## Summary of Proposed Final Order for Extension of Time

### The Department proposes to:

- Grant an extension of time to apply water to full beneficial use from October 1, 2010 to October 1, 2030.
- Make the extension subject to certain conditions set forth below.

### ACRONYM QUICK REFERENCE

Department – Oregon Department of Water Resources  
PFO – Proposed Final Order

#### Units of Measure

cfs – cubic feet per second  
gpm – gallons per minute

### AUTHORITY

**Generally, see ORS 537.630 and OAR Chapter 690 Division 315.**

**ORS 537.630(1)** provide in pertinent part that the Oregon Water Resources Department (Department) may, for good cause shown, order an extension of time within which: irrigation or other works shall be completed; the well or other means of developing and securing ground water shall be completed; or the right perfected. In determining the extension, the Department shall give due weight to the considerations described under ORS 539.010(5) and to whether other governmental requirements relating to the project have significantly delayed completion of construction or perfection of the right.

**ORS 539.010(5)** provides in pertinent part that the Water Resources Director, for good cause shown, may extend the time within which the full amount of the water appropriated shall be applied to a beneficial use. This statute instructs the Director to consider: the cost of the appropriation and application of the water to a beneficial purpose; the good faith of the appropriator; the market for water or power to be supplied; the present demands therefore; and the income or use that may be required to provide fair and reasonable returns upon the investment.

**OAR 690-315-0040** provides in pertinent part that the Water Resources Department shall make findings to determine if an extension of time may be approved to complete construction and/or apply water to full beneficial use.

**OAR 690-315-0050(5)** states that extension orders may include, but are not limited to, any condition or provision needed to: ensure future diligence; mitigate the effects of the subsequent development on competing demands on the resource; and periodically document the continued need for the permit.

OAR 690-315-0050(6) requires the Department, for extensions exceeding five years, to establish checkpoints to determine if diligence is being exercised in the development and perfection of the water use permit. Intervals between checkpoints will not exceed five year periods.

## **FINDINGS OF FACT**

### **Background**

1. Permit G-16016 was granted by the Department on February 16, 2006 to Van Duyn Land Co, LLC. On February 16, 2011, the permit was assigned to Diamond Ridge Water Association. On June 6, 2011, Permit G-16853 was issued to correct a typographical error regarding the purpose or use of Permit G-16016. The permit authorizes the use of up to 0.13 cfs of water from Well 2, Well 5, and Well 6 for group domestic for 27 households and irrigation of ½ acre per household. The permit specified complete application of water was to be made on or before October 1, 2010.
2. The permit holder submitted an “Application for Extension of Time” to the Department on February 16, 2011 requesting the time to apply water to full beneficial use under the terms and conditions of Permit G-16853 be extended from October 1, 2010 to October 1, 2030. This is the first permit extension requested for Permit G-16853.
3. Notification of the Application for Extension of Time for Permit G-16853 was published in the Department’s Public Notice dated March 1, 2011. No public comments were received regarding the extension application.

### **Review Criteria** [OAR 690-315-0040]

*The time limits to complete construction and/or apply water to full beneficial use may be extended if the Department finds that the permit holder has met the requirements set forth under OAR 690-315-0040. This determination shall consider the applicable requirements of ORS 537.230<sup>1</sup>, 537.248<sup>2</sup>, 537.630<sup>3</sup> and/or 539.010(5)<sup>4</sup>.*

### **Complete Extension of Time Application** [OAR 690-315-0040(1)(a)]

4. On February 16, 2011, the Department received a completed Application for Extension of Time and the fee specified in ORS 536.050 from the permit holder.

### **Start of Construction** [OAR 690-315-0040(1)(b) and 690-315-0040(5)]

5. Senate Bill 300 (1999 legislation) eliminated the requirement that holders of new surface water and ground water permits start construction on water projects within one year after

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<sup>1</sup>ORS 537.230 applies to surface water permits only.

<sup>2</sup>ORS 537.248 applies to reservoir permits only.

<sup>3</sup>ORS 537.630 applies to ground water permits only.

<sup>4</sup>ORS 539.010(5) applies to surface water and ground water permits.

the Department issues the permit. Senate Bill 300 applies to any application for a permit filed after October 23, 1999.

**Duration of Extension** [OAR 690-315-0040(1)(c)]

*Under OAR 690-315-0040(1)(c), in order to approve an extension of time for water use permits the Department must find that the time requested is reasonable and the applicant can complete the project within the time requested.*

6. As of February 16, 2011, the remaining work to be completed consists of developing a plan to monitor and report the impact of water use under the right, obtaining water level measurements, completing construction of the water system, and applying water to full beneficial use.
7. Given the amount of development left to occur, the Department has determined that the permit holder's request to have until October 1, 2030, to accomplish the application of water to beneficial use under the terms and conditions of Permit G-16853 is both reasonable and necessary.

**Good Cause** [OAR 690-315-0040(1)(d)]

*The Department's determination of good cause shall consider the requirements set forth under OAR 690-315-0040(2).*

**Reasonable Diligence of the Appropriator** [OAR 690-315-0040(2)(a)]

*The Department's determination of reasonable diligence shall consider the requirements set forth under OAR 690-315-0040(3)(a-d). In accordance with OAR 690-315-0040(3), the Department shall consider, but is not limited to, the following factors when determining whether the applicant has demonstrated reasonable diligence in previous performance under the permit:*

**Amount of Construction** [OAR 690-315-0040(3)(a)]

8. Work was accomplished within the time allowed in the permit or previous extension as follows:
  - a. Construction of the well was completed prior to October 1, 2010.
  - b. Work was completed (specified in the Application for an Extension of Time) during the original development time frame under Permit G-16853.

**Beneficial Use of Water** [OAR 690-315-0040(3)(b)]

9. The following beneficial use of water was made during the permit or previous extension time limits:
  - a. Since the issuance of Permit G-16853 on February 16, 2006, a maximum rate of 0.13 cfs of water has been appropriated from the well for group domestic use for 19 households and irrigation of ½ acre for each household.

Compliance with Conditions [OAR 690-315-0040(3)(c)]

10. The water right permit holder's conformance with the permit or previous extension conditions.
  - a. The Department has considered the permit holder's compliance with conditions, and has identified the following concerns: (1) the record does not show the submission and approval of a monitoring plan to monitor and report the impact of water use under the permit, and (2) some of the required March static water level measurements have not been received by the Department.
  - b. Failure to comply with permit conditions constitutes illegal use of water. The use of water under this permit, therefore, has not yet been demonstrated. In order to legally perfect the use of water under this permit, the permit holder must demonstrate that all conditions of the permit have been satisfied.

Financial Investments [OAR 690-315-0040(3)(d)]

11. Financial investments made toward developing the beneficial water use.
  - a. As of February 16, 2011, the permit holder has invested approximately \$551,006, which is approximately 100 percent of the total projected cost for complete development of this project. The permit holder anticipates no additional investment is needed for the completion of this project.

**Cost to Appropriate and Apply Water to a Beneficial Purpose [OAR 690-315-0040(2)(b)]**

12. As of February 16, 2011, the permit holder has invested approximately \$551,006 which is approximately 100 percent of the total projected cost for complete development of this project. The permit holder anticipates no additional investment is needed for the completion of this project.

**Good Faith of the Appropriator [OAR 690-315-0040(2)(c)]**

13. The Department has found good faith of the appropriator under Permit G-16853.

**The Market and Present Demands for Water [OAR 690-315-0040(2)(d-e)]**

*The Department's determinations of market and present demand for water or power to be supplied shall consider the requirements set forth under OAR 690-315-0040(4)(a-f). In accordance with OAR 690-315-0040(4), the Department shall consider, but is not limited to, the following factors when determining the market and the present demand for water or power to be supplied:*

14. The amount of water available to satisfy other affected water rights and scenic waterway flows; special water use designations established since permit issuance, including but not limited to state scenic waterways, federal wild and scenic rivers, serious water management problem areas or water quality limited sources established under 33 U.S.C. 1313(d); or the habitat needs of sensitive, threatened or endangered species, in consultation with the Oregon Department of Fish and Wildlife [OAR 690-315-0040(4)(a-c)].

- a. The amount of water available to satisfy other affected water rights and scenic waterway flows was determined at the time of issuance of Permit G-16853; furthermore, water availability for other affected water rights and scenic waterway flows after the permit was issued is determined at such time that such application for a new water right is submitted. The points of appropriation for Permit G-16853, located within the Daniels Creek Basin, are not located within a limited or critical ground water area. Daniels Creek is not located within or above any state or federal scenic waterway, however it is located within an area ranked “low” for stream flow restoration needs as determined by the Department in consultation with the Oregon Department of Fish and Wildlife, and is located within a Sensitive, Threatened or Endangered Fish Species Area as identified by the Department in consultation with Oregon Department of Fish and Wildlife. Daniels Creek is not listed by the Department of Environmental Quality as a water quality limited stream.
15. Economic investment in the project to date [OAR 690-315-0040(4)(d)].
  - a. As of February 16, 2011, the permit holder has invested approximately \$551,006.
16. Other economic interests dependent on completion of the project [OAR 690-315-0040(4)(e)].
  - a. None have been identified.
17. Other factors relevant to the determination of the market and present demand for water and power [OAR 690-315-0040(4)(f)].
  - a. None have been identified.
18. OAR 690-315-0050(6) requires the Department to place a checkpoint condition on this extension of time in order to ensure diligence is exercised in the development and perfection of the water use permit. A “Checkpoint Condition” is specified under Item 1 of the “Conditions” section of this PFO to meet this condition.

**Fair Return Upon Investment [OAR 690-315-0040(2)(f)]**

19. Use and income from the permitted water development results in reasonable returns upon the investment made to date.

**Other Governmental Requirements [OAR 690-315-0040(2)(g)]**

20. Delay in the development of this project was not caused by any other governmental requirements.

**Unforeseen Events** [OAR 690-315-0040(2)(h)]

21. Unforeseen events extended the length of time needed to fully develop and perfect Permit G-16853, in that the permit holders were inexperienced with the conditions that restricted their ability to complete development of the project in a timely manner.

**CONCLUSIONS OF LAW**

1. The applicant is entitled to apply for an extension of time to complete construction and/or completely apply water to the full beneficial use pursuant to ORS 537.630(1).
2. The applicant has submitted a complete extension application form and the fee specified in ORS 536.050, as required by OAR 690-315-0040(1)(a).
3. The applicant complied with begin actual construction timeline requirements pursuant to ORS 537.630 as required by OAR 690-315-0040(1)(b) and OAR 690-315-0040(5).
4. Completion of construction and full application of water to beneficial use can be accomplished by October 1, 2030<sup>5</sup>, as required by OAR 690-315-0040(1)(c).
5. The Department has considered the reasonable diligence and good faith of the appropriator, the cost to appropriate and apply water to a beneficial purpose, the market and present demands for water to be supplied, the financial investment made and fair and reasonable return upon the investment, the requirements of other governmental agencies, and unforeseen events over which the permit holder had no control, whether denial of the extension will result in undue hardship to the applicant and whether there are no other reasonable alternatives for meeting water use needs, any other factors relevant to a determination of good cause, and has determined that the applicant has shown that good cause exists for an extension of time to apply water to full beneficial use pursuant to OAR 690-315-0040(1)(d).
6. As required by OAR 690-315-0050(6) and as described in Finding 18 above, the Department has established, as specified in the “Conditions” section of this PFO (Item 1), progress checkpoints in order to ensure future diligence is exercised in the development and perfection of Permit G-16853.

**Proposed Order**

Based upon the foregoing Findings of Fact and Conclusions of Law, the Department proposes to issue an order to:

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<sup>5</sup>Pursuant to ORS 537.630(4), upon the completion of beneficial use of water allowed under the permit, the permittee shall hire a certified water rights examiner to survey the appropriation. Within one year after the complete application of water to a beneficial use (or by the date allowed for the complete application of water to a beneficial use), the permittee shall submit a map of the survey and a new or revised claim of beneficial use as deemed appropriate by the Department.

Extend the time to apply water to beneficial use under Permit G-16853 from October 1, 2010 to October 1, 2030.

Subject to the following condition:

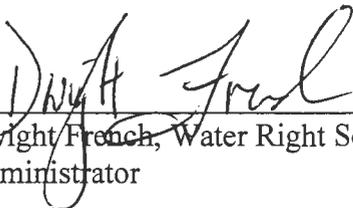
### CONDITION

1. **Checkpoint Condition**

The permit holder must submit a completed Progress Report Form to the Department by **October 1, 2015, October 1, 2020, October 1, 2025, and October 1, 2029. A form will be enclosed with your Final Order.**

- (a) At each checkpoint, the permit holder shall submit and the Department shall review evidence of the permit holder's diligence towards completion of the project and compliance with terms and conditions of the permit and extension. If, after this review, the Department determines the permit holder has not been diligent in developing and perfecting the water use permit, or complied with all terms and conditions, the Department shall modify or further condition the permit or extension to ensure future compliance, or begin cancellation proceedings on the undeveloped portion of the permit pursuant to ORS 537.260 or 537.410, or require submission of a final proof survey pursuant to ORS 537.250;
- (b) The Department shall provide notice of receipt of progress reports in its weekly notice and shall allow a 30 day comment period for each report. The Department shall provide notice of its determination to anyone who submitted comments.

DATED: September 6, 2011

  
Dwight French, Water Right Services  
Administrator

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

### **Proposed Final Order Hearing Rights**

- 1. Under the provisions of OAR 690-315-0100(1) and 690-315-0060, the applicant or any other person adversely affected or aggrieved by the proposed final order may submit a written protest to the proposed final order. The written protest must be received by the Water Resources Department no later than **October 21, 2011**, being 45 days from the date of publication of the proposed final order in the Department's weekly notice.



**Mailing List for Extension PFO Copies**

**PFO Date: September 6, 2011**

**Copies Mailed**

**Application G-15800  
Permit G-16853**

By: La  
On: 9/6/11

**Original mailed to Applicant:**

- ✓ Diamond Ridge Water Association  
PO Box 8411  
Coburg, OR 97408-1306

**Copies sent to:**

- ✓ 1. WRD - App. File G-15800/ Permit G-16853
- ✓ 2. WRD - Watermaster District 2, Michael Mattick
- ✓ 3. Alan Amoth, CWRE 37709

**Fee paid as specified under ORS 536.050 to receive copy:**

- 4. None

**Receiving via e-mail (10 AM Tuesday of signature date)**  
**(DONE BY EXTENSION SPECIALIST)**

- 5. None

CASEWORKER: JWG

Application # G-15800

Permit # G-16016

**Public Notice Route Slip ... New Application Extension of Time**  
per Division 315 Rules... (Extensions received on July 1, 2001 or after)

◆ **WRIG...**

Money Received on: 2-16-11

◆ **Extension Specialist ...**

Added to tracking spreadsheet

**After fee is receipted and app is added to spreadsheet, route to...**

◆ **Jonnine Skaug...**

Publish on Public Notice (initial 30-day comment): Date of notice 3/1/11

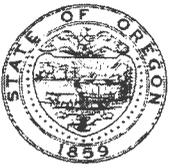
Update WRIS Database

In the "PNotice Date" field... Enter the date the Extension Application was published on the Public Notice.

In the "Ext Filed" field... Enter the date the Extension Application was received.

**Yes** or No:

Return file to Extension Specialist after PN



# Oregon

John A. Kitzhaber, MD, Governor

## Water Resources Department

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

March 1, 2011

REFERENCE: Application for Extension of Time

Dear Extension of Time Applicant:

The Water Rights Section has received your application for an extension of time for **APPLICATION FILE#: G-15800 (PERMIT#: G-16016)**. Your application will be reviewed in the near future. Following the review, you will receive a Proposed Final Order either approving or rejecting the extension of time request. A 45-day protest period begins upon issuance of the Proposed Final Order. After the protest period closes, a Final Order is issued.

If you have questions concerning your extension of time application, please contact Jerry Gainey at (503) 986-0812. For general information about the Water Resources Department, you may contact the Water Resources' Customer Service Group at (503) 986-0801 or you may access the Department's Internet home page at: "[www.wrd.state.or.us](http://www.wrd.state.or.us)".

# Extension PFO Checklist for Other than Muni or Quasi-Municipal

Water Use Permits  
(OAR 690-315-0010 through OAR 690-315-0060)

Application: G- 15800 Permit: G- 16016 Permit Amendment? No  Yes  T- \_\_\_\_\_  pending  approved

Permit Holder's Name: Diamond Ridge Water Association

Permit Holder's Mailing Address: PO Box 8411, Coburg OR 97408-1306 email carltti@msn.com

Phone Number: 541-912-7250

POD Location: Township 16 S Range 3 W Section 34  $\frac{1}{4}$  SE SE

Drainage Basin: 2 County: Lane Watermaster District: 2 Watermaster: Michael Mattick

Date Permit was issued: 2/16/2006 Priority Date: 7/17/2002 Date of PN: 3/1/2011

Source: Well 2, Well 5, and Well 6 in Daniels Creek Basin

Use: Group Domestic for 27 Households

"Q": 0.13 cubic foot per second

Orig "A" Date: \_\_\_\_\_ Orig "B" Date: 10/1/ Orig "C" Date: 10/1/2010

Extension request rec'd: 2/16/2011 Last Authorized "B" Date: 10/1/ Last Authorized "C" Date: 10/1/

Request Number (1, 2, 3...): 1 Proposed "B" Date: 10/1/ Proposed C Date: 10/1/2030

**Conditions of Permit:**

Condition Met?	Condition Not Met?	Permit Condition
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Meter installed
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Development of a plan to monitor and report
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Wter level measurements
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	

**Factors to consider in determining "Reasonable Diligence" [OAR 690-315-0040(3)]:**

- Yes  No
- Work was accomplished within the time allowed in the permit or previous extension
  - Water right permit holder conformed with the permit or previous extension conditions
  - Financial investments were made toward developing the beneficial water use.
    - Amount Invested to date: **\$551,006** Estimated Remaining Cost: **\$0**
  - Beneficial use made of the water during the permit or previous extension time limits
    - Permit holder has beneficially used 0.13  cfs  gpm  af of the total permitted quantity of water on n/a acres

Has the applicant pursued perfection of the right in good faith and with reasonable diligence? Yes  No

**Determination of the market and the present demand for water or power to be supplied:**

Identify the closest surface water or localized water basin. Daniels Creek  
Ground Water Permits: Is the POA located...  
Surface Water Permits: Is the POD located...

**Yes No**

- above a state scenic waterway? Name \_\_\_\_\_ Source: OWRD "Areas Above State Scenic Waterways" Map
- within a stream segment designated as a federal wild and scenic river? Source: www.rivers.gov/wildriverslist.html
- within a sensitive, threatened or endangered species area Source: "/gisdata/dev/projects/salmon/div33map.aml"
- within a critical or limited Ground Water Area? Name of area \_\_\_\_\_
- within a Withdrawn Area? Name of area \_\_\_\_\_
- in a waterbody listed on the DEQ Section 303(d) List of Water Quality Limited Areas? Date added to list \_\_\_\_\_
- within an area ranking low / moderate / high / highest for stream flow restoration needs Source: OWRD "Streamflow Restoration Needs" Maps (by region)

**Based on the written record, can the Department make a finding of "Good Cause" to approve the extension request?**

Yes... "Good Cause" can be found.  Approval of Extension Request  
No ... "Good Cause" cannot be found.  Denial of Extension Request

**Conditions to be included in Extension PFO (if applicable)? Yes  No**

(NOTE: Check the file record for documentation to add a condition(s) at the extension stage.)

- 5-year Progress Report Checkpoints (Years: 2015, 2020, 2025, & 2030)
- Other: \_\_\_\_\_

**Footnote regarding Claim of Beneficial Use. Choose the appropriate language below and insert as a footnote in the PFO:**

- COBU Requirement - Surface/Ground Water - on or prior to July 9, 1987**  
"For permits applied for or received on or before July 9, 1987, upon complete development of the permit, you must notify the Department that the work has been completed and either: (1) Hire a water right examiner certified under ORS 537.798 to conduct a survey, the original to be submitted as required by the Water Resources Department, for issuance of a water right certificate; or (2) Continue to appropriate water under the water right permit until the Water Resources Department conducts a survey and issues a water right certificate under ORS 537.250 or 537.625."
- COBU Requirement - Surface Water - post July 9, 1987**  
"Pursuant to ORS 537.230(4), upon the completion of beneficial use of water allowed under the permit, the permit holder shall hire a certified water rights examiner to survey the appropriation. Within one year after the complete application of water to a beneficial use (or by the date allowed for the complete application of water to a beneficial use), the permit holder shall submit a map of the survey and the claim of beneficial use."
- COBU Requirement - Ground Water - post July 9, 1987**  
"Pursuant to ORS 537.630(4), upon the completion of beneficial use of water allowed under the permit, the permit holder shall hire a certified water rights examiner to survey the appropriation. Within one year after the complete application of water to a beneficial use (or by the date allowed for the complete application of water to a beneficial use), the permit holder shall submit a map of the survey and the claim of beneficial use."

**NOTES:**

**Extension "PFO" Dates**

**Mailing / Issuance Date:** \_\_\_\_\_ **Protest Deadline Date:** \_\_\_\_\_

**Reviewer's Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_

February 11, 2011

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

Attention: Jerry Gaaney, Water Rights Permit Extensions

Subject: Assignment Request and Extension of Time Application for Diamond Ridge Subdivision

Dear Jerry,

I am assisting the Diamond Ridge Water Association with water rights and reporting items and appreciate the preliminary review and suggestions you have provided. Enclosed you will find their Request for Assignment to change the permit holder from that of the original developer to the subsequent homeowner association authority. Also enclosed is their Application for Extension of Time for the water rights Permit G-16016.

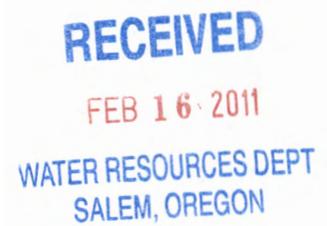
At your suggestion, I will contact Mark Norton at WRD to solicit his recommendations for the Aquifer Monitoring Plan that Diamond Ridge will be submitting in a few months. If you have any immediate questions or needs, I suggest you contact Ms. Patti Smith at the phone number shown on the Assignment form. Patti provides administrative support for the Diamond Ridge homeowners and has been involved with their water issues for the past five years. I will be traveling until March 10 but you are welcome to call me on my cell phone (541-760-2348) if you have any immediate questions. I will contact you after I return to check on the applications and to review water use category options and your suggestions.

Thank you again for your support with these applications.

Sincerely,



Alan Amoth, CWRE #37709



Enc.



**Answer the Following Questions to Complete this Application for Extension of Time**

[OAR 690-315-0020(3)(d)]

1. Did the actual construction of the water system/well drilling begin within the time specified in the permit?  Yes  No

Reply: A construction date was not specified in the permit.

Date construction began is: October, 2000

**Details of construction:** Construction commenced in October 2000 with the installation of test wells needed for a formal aquifer test. One of the test wells was later converted to a production well. Two additional wells were drilled in 2004 in addition to the installation/construction of the entire water distribution system, a water meter, pump control house, electrical controls and a 50,000 gallon water storage tank. Two well pumps were installed and connected to the storage distribution system at this time. A second 50,000 gallon water storage tank was installed in 2007 and the third well was deepened, fitted with a pump and incorporated into the water supply/distribution system in 2009.

[OAR 690-315-0020(3)(e)(A)]

2. Permits typically contain standard or special conditions that must be satisfied to lawfully develop and use permitted water. In the development of this water right, have you satisfied the conditions contained in your permit?  Yes  No (Some..see below)

2-A) Describe how you have complied with each condition contained in the original permit [and, if applicable, each condition contained in any order approving a permit amendment and/or a final order approving a prior extension of time]. Include the date when the condition was satisfied.

**CHART-A**

Condition No. **	Date Satisfied	Describe How Permit Condition Has Been Satisfied
1	Est. July 2004	A water meter was installed that records the total flow to the storage (head) tanks from the three well pumps.

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**\*\* Condition No:** Hand-number each condition on a copy of your permit (and, if applicable, permit amendment and prior extension).

**2-B) If you have NOT complied with all applicable conditions, explain the reasons why and indicate with a date certain (in the near future) when compliance will occur.**

### CHART-B

Condition No.**	Date Will Comply	Explain Why Each Permit Condition Has NOT Been Satisfied
2	July 1, 2011	A "Plan" for monitoring the static water levels in the wells, reporting the information, and addressing the impact of the water use on water levels within the aquifer supplying the water was due by February 16, 2007. The Homeowner Association was inexperienced at this time and this requirement was simply overlooked.
3	March 2011*	Some well water level information has been collected in the month of March. Copies of March 2008 static well measurements are in hand and may have been submitted to WRD. Files are being checked to see if static well data from other years has been collected and submitted. The quality of these historic measurements, however, is in question since detailed procedures for making static measurements were not in place (the "Plan" was not yet written) therefore the static well levels may not be truly comparable from year to year. * If the monitoring Plan can be partially developed by March 2011 every attempt will be made to collect static water level measurements in late March using reproducible measurement techniques.
4	na	Initial static water level measurements were not collected in the month of March following installation of the wells primarily because the wells were installed almost two years before the Permit that contains this conditions was issued (February 16, 2006) . Initial static water level information is available from the original drilling well logs however these data were not collected in the month of March.

**\*\* Condition No:** Hand-number each condition on a copy of your permit (and, if applicable, permit amendment and prior extension).

[OAR 690-315-0020(3)(e)]

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3. Provide evidence of physical progress made toward completion of the water system, and of progress made toward making beneficial use of water within the permitted time period (CHART-C); and if applicable, within the time period of the most recent extension granted (CHART-D).

3-A) CHART-C (below) must be completed for all Application for Extension of Time requests. Use chronological order.

### CHART-C

DATE	WORK ACCOMPLISHED BEFORE PERMIT WAS ISSUED <i>List any work done before the permit was issued – eg. well drilled.</i>	COST*
Oct. – Dec. 2000	Select a consultant, drill test/observation wells, conduct aquifer tests and estimate the adequacy of the aquifer to meet the needs of the planned subdivision. One of these wells was later converted to a production well for the subdivision (well #2)	\$26,356.08
2004	Drill two additional wells (wells #5 & #6) and install well pumps, install the water distribution system with flow meter, construct pump control house with electrical controls and install one 50,000 gal. water storage/head tank.	\$412,560

DATE	WORK ACCOMPLISHED AFTER PERMIT WAS ISSUED <i>and PRIOR TO DATE SPECIFIED IN PERMIT FOR COMPLETE APPLICATION OF WATER</i> <i>List work/actions done during the permitted time period.</i>	COST*
Feb. 16, 2006	Date the permit was signed - find date above signature on last page of permit.	
2007	Install second 50,000 gal. water storage/head tank.	\$75,825
June 10, 2009	Deepen well #2, install pump and connect it to the system.	\$36,265
No "A" date	Date the permit specified "Actual Construction Work" shall begin ("A-Date") -not all permits contain this date.	
10/1/2010	Date the permit specified complete application of water to the use shall be made ("C-Date") - all permits contain this date.	

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### CHART-C (continued)

DATE	WORK ACCOMPLISHED AFTER "C-DATE" <i>COMPETE ONLY IF THIS IS YOUR 1st APPLICATION FOR EXTENSION OF TIME: List work done after the date specified in the permit for complete application of water up to the date of this Application for Extension of Time.</i>	COST*
------	--	-------

	No work has been done after the "C" date	
<b>Total Cost for Chart-C</b>		<b>\$551,006.08</b>

\* If exact cost is not known, you must provide your best estimate.

3-B) If this is not your 1st Application for Extension of Time request, fill out CHART-D below (in addition to CHART-C above). Use *chronological order*.

### CHART-D

DATE	WORK ACCOMPLISHED DURING THE LAST EXTENSION PERIOD <i>List all work done during the last authorized extension period.</i>	COST*
10/1/	"Extended From" date for complete application of water used in the 1 <sup>st</sup> (or the most recent) Application for Extension of Time.	
	<i>Not Applicable</i>	
10/1/	"Extended To" date for complete application of water resulting from the 1 <sup>st</sup> (or the most recent) Application for Extension of Time.	

### CHART-D (Continued)

DATE	WORK ACCOMPLISHED AFTER THE LAST EXTENSION PERIOD EXPIRED <i>List all work done after the last authorized date for complete application of water up to the date of this Application for Extension of Time.</i>	COST*

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<b>Total Cost of Chart-D</b>	<b>\$0.00</b>
------------------------------	---------------

\* If exact cost is not known, you must provide your best estimate.

[OAR 690-315-0020(3)(f)]

4. **Cost of project to date: \$551,006.08**  
*(The total combined cost from CHART-C and CHART-D)*

[OAR 690-315-0020(3)(e)(B)]

5. **Provide evidence of the maximum rate (or duty, if applicable) of water diverted for beneficial use under this permit and/or prior extensions of time (if any) made to date.**

5-A) **For Surface Water Permit Extensions (e.g. S-XXXX or R-XXXX):**

Maximum rate used to date = \_\_\_\_\_ cfs (cubic feet per second) *or,*

Maximum rate used to date = \_\_\_\_\_ gpm (gallons per minute) *or,*

Acre-feet stored to date = \_\_\_\_\_ AF

5-B) **For Ground Water Permit Extensions (e.g. G-XXXX):**

### CHART-E

Well # as identified on Permit	Water User's Well #	Has this well been drilled?	IF DRILLED					If yes, provide the Permit, Certificate, or Transfer No.
			Well Log Number e.g. MORR 50473	Well Tag Number e.g. # 27566 or N/A	Is the actual drilled location authorized on this permit or on a permit amendment? (See 5-C below)	Maximum instantaneous rate used from this well -- under <u>this permit only</u> (CFS or GPM)	Is this well authorized or utilized under additional water rights?	
#2	#3	Yes X No <input type="checkbox"/>	LANE 58953 & LANE 69664	44872	Yes X No <input type="checkbox"/>	Est. 45 gpm*	Yes <input type="checkbox"/> No X	- -
#5	#1	Yes X No <input type="checkbox"/>	LANE 63580	71194	Yes X No <input type="checkbox"/>	Est. 40 gpm*	Yes <input type="checkbox"/> No X	- -
#6	#2	Yes X No <input type="checkbox"/>	LANE 63579	71191	Yes X No <input type="checkbox"/>	Est. 17 gpm*	Yes <input type="checkbox"/> No X	- -
		Yes <input type="checkbox"/> No <input type="checkbox"/>			Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>	- -
<b>Total instantaneous rate from all wells utilized under this permit</b>						Est. < 58* gpm		

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**\*\* - values estimated from well logs. There are no flow meters on the individual wells.**

5-C) If the drilled location of a well is not authorized on this permit, please specify its location below, or provide a map showing its location. Has or will a permit amendment application been/be filed? Yes  No

If a Permit Amendment Application has been filed: Transfer No. T- \_\_\_\_\_

Well # \_\_\_\_\_: Actual location: \_\_\_\_\_

Well # \_\_\_\_\_: Actual location: \_\_\_\_\_

[OAR 690-315-0020(3)(e)(C)]

6. Provide the total number of acres irrigated to date under this permit (if applicable).

Total acres irrigated to date: \_\_\_\_\_

Ground Water Permits: Please specify which wells are being utilized for this irrigation.

Well # \_\_\_\_\_ Acres \_\_\_\_\_ Well # \_\_\_\_\_ Acres \_\_\_\_\_

Well # \_\_\_\_\_ Acres \_\_\_\_\_ Well # \_\_\_\_\_ Acres \_\_\_\_\_

[OAR 690-315-0020(3)(j)]

7. Provide a summary of your future plans and schedule to complete the construction of the water system, and/or apply water to full beneficial use under the terms and conditions of the permit.

### CHART-F

APPROXIMATE DATE RANGE (projected)	WORK OR ACTION TO BE ACCOMPLISHED (projected)	ESTIMATED COST (projected)
	No additional work is expected	
Year: 2030	Date intend to apply water to full beneficial use under the terms and conditions of this permit.	
<b>Total Cost</b>		

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[OAR 690-315-0020(3)(g)]

8. Estimated remaining cost to complete the project: \$0.00  
(The total cost from CHART-F)

[OAR 690-315-0020(3)(h)]

9. **List the reasons why the project was not constructed, and/or water was not beneficially used within permit time limits. Provide supporting information for the reason(s) that best fits your circumstances (A, B, C or D).**

9-A) **The project is of a size and scope that was originally planned to be phased in over a time frame longer than the one allowed in the permit.**

The Diamond Ridge subdivision is approved and platted for 27 residences and the water rights permit (G-16016) is issued to provide water for 27 households. The first 10-acre lot was sold in 2004 and the first household was built in 2007. The last (27<sup>th</sup>) lot was sold in 2009 and to date 19 households have been constructed. In light of the current depressed economy it is not possible to estimate when households will be completed on all 27 parcels.

9-B) **The financial resources needed to develop the project precluded completion of the project within authorized time frames.**

\_\_\_\_\_

9-C) **Good faith attempts to comply with permit conditions and/or acquire permits from other agencies, or otherwise comply with government regulations, delayed completion of the project.**

\_\_\_\_\_

9-D) **Acts of God or other unforeseen events delayed full development of the water system and use of water within the authorized time frames.**

\_\_\_\_\_

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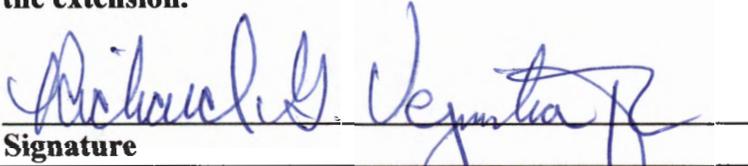
[OAR 690-315-0020(3)(k)]

10. **Justify the time requested to complete the project and/or apply the water to full beneficial use.**

Presently only 19 of the allowable 27 households have been constructed and in light of the depressed economy it is not possible to estimate when all 27 households will be completed. With this uncertainty in mind, this request for an extension of time is being made for 20 years. If/when the 27<sup>th</sup> household is completed, the Diamond Ridge Water Association will initiate measures to have a Certificate of Beneficial Use completed and submitted to WRD.

**11. Provide any other information you wish OWRD to consider while evaluating your Extension of Time Application.**

**I am the permit holder, or have authorization from the permit holder, to apply for an extension of time under this permit. I understand that false or misleading statements in this extension application are grounds for OWRD to suspend processing of the request and/or reason to deny the extension.**

  
Signature

2-15-2011  
Date

**Richard Vejnaska  
Diamond Ridge Water Association**

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SALEM, OREGON

**Attachments for**  
**DIAMOND RIDGE WATER ASSOCIATION**  
**Application for Extension of Time for a Water Right Permit**

**February, 2011**

- **Water Rights Permit G-16016**
- **Well Logs**
- **Monthly Water Use Summary 2008 – 2010**
- **March 2008 Water Use Impact Reports – static water level measurements**

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**WATER RESOURCES DEPT  
SALEM, OREGON**

**ARAmoth**

**2/11/2011**

STATE OF OREGON

COUNTY OF LANE

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

VAN DUYN LAND CO. LLC  
33401 VAN DUYN RD  
EUGENE, OREGON 97401

(541) 343-0323

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

APPLICATION FILE NUMBER: G-15800

SOURCE OF WATER: WELL #2, WELL #5, AND WELL #6 IN DANIELS CREEK BASIN

PURPOSE OR USE: GROUP DOMESTIC FOR 27 HOUSEHOLDS

MAXIMUM CUMULATIVE TOTAL: 0.13 CUBIC FOOT PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: JULY 17, 2002

WELL LOCATIONS:

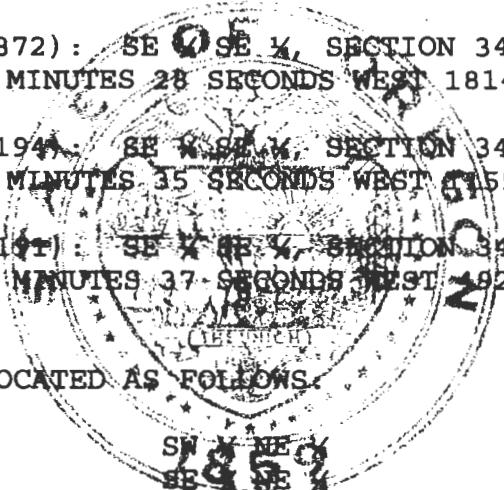
- WELL #2 (TAG #44872): SE 1/4 SECTION 34, T16S, R3W, W.M.; 43 DEGREES NORTH 01 MINUTES 28 SECONDS WEST 1814 FEET FROM SE CORNER, SECTION 34
- WELL #5 (TAG #71194): SE 1/4 SECTION 34, T16S, R3W, W.M.; 28 DEGREES NORTH 23 MINUTES 35 SECONDS WEST 1155 FEET FROM SE CORNER, SECTION 34
- WELL #6 (TAG #71191): SE 1/4 SECTION 34, T16S, R3W, W.M.; 18 DEGREES NORTH 49 MINUTES 37 SECONDS WEST 1492 FEET FROM SE CORNER, SECTION 34

THE PLACE OF USE IS LOCATED AS FOLLOWS.

SW 1/4 NE 1/4  
SE 1/4 SE 1/4  
NE 1/4 SE 1/4  
SE 1/4 SE 1/4  
SECTION 34

SW 1/4 NW 1/4  
NW 1/4 SW 1/4  
SW 1/4 SW 1/4  
SECTION 35

TOWNSHIP 16 SOUTH, RANGE 3 WEST, W.M.



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## Measurement, recording and reporting conditions:

- ①
- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order.
  - B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.
  - C. The Director may require the permittee to keep and maintain a record of the amount (volume) of water used and may require the permittee to report water use on a periodic schedule as established by the Director. In addition, the Director may require the permittee to report general water use information, the periods of water use and the place and nature of use of water under the permit. The Director may provide an opportunity for the permittee to submit alternative reporting procedures for review and approval.

Any replacement well(s) shall be completed in the deep aquifer within the marine sediments.

The special construction standards for all additional wells depth shall be incorporated into the permit and any certificate issued for application G-15800.

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.

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Application G-15800 Water Resources Department FEB 16 2011 PERMIT G-16016

WATER RESOURCES DEPT  
SALEM, OREGON

**③ Limited Water Level Decline/Interference Condition**

To monitor the effect of water use from the well(s) authorized under this permit, the Department requires the water user to make and report annual static water level measurements. The static water level shall be measured in the month of **March**. Reports shall be submitted to the Department within 30 days of measurement.

Measurements must be made according to the following schedule:

**④ Before Use of Water Takes Place**

**Initial and Annual Measurements**

The Department requires the permittee to submit an initial water level measurement in the month specified above once well construction is complete and annually thereafter until use of water begins; and

**After Use of Water has Begun**

**Seven Consecutive Annual Measurements**

Following the first year of water use, the user shall submit seven consecutive annual reports of static water level measurements. The first of these seven annual measurements will establish the reference level against which future annual measurements will be compared. Based on an analysis of the data collected, the Director may require that the user obtain and report additional annual static water level measurements beyond the seven year minimum reporting period. The additional measurements may be required in a different month. If the measurement requirement is stopped, the Director may restart it at any time.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board and be submitted to the Department on forms provided by the Department. The Department requires the individual performing the measurement to:

- (A) Identify each well with its associated measurement; and
- (B) Measure and report water levels to the nearest tenth of a foot as depth-to-water below ground surface; and
- (C) Specify the method used to obtain each well measurement; and
- (D) Certify the accuracy of all measurements and calculations submitted to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if annual water level measurements reveal any of the following events:

- (A) An average water level decline of 3 or more feet per year for five consecutive years; or

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- (B) A water level decline of 15 or more feet in fewer than five consecutive years; or
- (C) A water level decline of 25 or more feet; or
- (D) Hydraulic interference leading to a decline of 25 or more feet in any neighboring well with senior priority.

The period of non or restricted use shall continue until the annual water level rises above the decline level which triggered the action or until the Department determines, based on the permittee'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. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

#### STANDARD CONDITIONS

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

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

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

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

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

Application G-15800      Water Resources Department      PERMIT G-16016

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

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

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

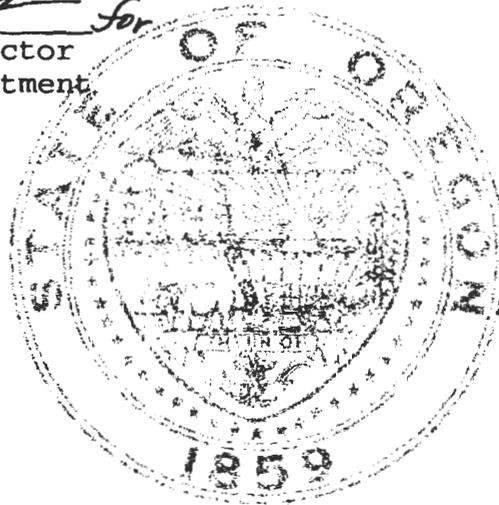
Complete application of the water to the use shall be made on or before October 1, 2010. If the water is not completely applied before this date, and the permittee wishes to continue development under the permit, the permittee must submit an application for extension of time, which may be approved based 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 February 16, 2006

*E. Timothy Wall* for

Phillip C. Ward, Director  
Water Resources Department



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Application G-15800 Water Resources Department  
Basin 02 Volume 4 MUDDY CR & MISC (TO WILLA  
Gaineyjw

PERMIT G-16016  
District 2

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NORTHWEST CORNER  
OF SUBDIVISION PLAT  
N = 12034.31  
E = 11829.88

SOUTHWEST CORNER  
OF SUBDIVISION PLAT  
N = 9002.12  
E = 11523.28

FOUND BRASS CAP, SOUTHWEST CORNER  
T16S R3W  
N = 12063.10  
E = 12756.86

FOUND BRASS CAP  
SOUTH 1/4 COR SEC 34, T16S, R3W, W4  
N = 8805.20  
E = 12816.11  
STATE PLANE COORDINATES (NAD 27)  
N = 807,080.82  
E = 1,334,124.14

TAXILOT  
202

MARQUISE WAY

DIAMOND

RIDGE

DIAMOND RIDGE LOOP

WATER W.

DIAMOND RIDGE  
W 1/2 SEC. 35 AND SEC  
29 J.

Goebel Engr  
ENGINEERING  
1782 Van...

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8

FOUND BRASS CAP, SOUTHEAST CORNER D.C./38  
T16S R3W  
N = 12058.74  
E = 17211.20

VAN DUYN ROAD

NORTHEAST CORNER  
OF SUBDIVISION PLAT  
N = 12030.29  
E = 15599.28

N  
SCALE: 1" = 300'

PLACE OF USE: LOTS 1-27 OF DIAMOND RIDGE SUBDIVISION AS PLATTED  
AND RECORDED ON 1 JULY 2004, IN COUNTY SURVEY FILE NUMBER 38681,  
RECEPTION NUMBER 2004-049903 LAKE COUNTY OREGON DEED RECORDS,  
LAKE COUNTY OREGON. (279 ACRES) TAX LOTS 400-3000, ASSESSORS  
MAP 16-03-34.

RELATIVE LOCATION OF WELLS FROM SECTION CORNER

WELL #2: TAG #144872 NORTH 43°01'29" WEST 1813.51'  
WELL #5: TAG #171194 NORTH 28°21'35" WEST 1154.58'  
WELL #8: TAG #171191 NORTH 18°40'37" WEST 481.91'

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR  
*Boettel*  
OREGON  
JULY 14, 1981  
BOETT J. BOETTEL  
3280  
6/24/07

WELL #2  
TAG #144872  
N = 9961.98  
E = 14225.46

WELL #5  
TAG #171194  
N = 9651.80  
E = 14913.82

WELL #6  
TAG #171191  
N = 9101.78  
E = 15304.70

SOUTHEAST CORNER  
OF SUBDIVISION PLAT  
N = 8983.88  
E = 15478.98

FOUND BRASS CAP  
SE CORNER SEC 34, T16S, R3W, W4  
N = 8838.19  
E = 15482.84

LOCATION  
SUBDIVISION  
14, T. 16 S., R. 3 W., W.M.  
E 2005

ng & Surveying  
PLANNING  
Oregon  
2012

NOTE:  
THIS IS NOT A BOUNDARY SURVEY. THE INFORMATION  
SHOWN HEREON IS TO SHOW THE LOCATION OF WELL  
HEADS RELATIVE TO THE GOVERNMENT MONUMENTS AS  
NOTED. THE LOCATION OF THE SUBDIVISION BOUNDARY  
IS SHOWN FOR REFERENCE ONLY.

PERMIT G16016  
WELL #2 - ORIGINAL

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

WELL I.D. # 44872  
START CARD # 136263

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER Well Number #5  
Name Van Duyn Land company  
Address 33401 Van Duyn  
City Eugene State OR Zip 97408

(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 187 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
10"	0	38	cement	0	38	15 sacks
6"	38	187				

How was seal placed: Method  A  B  C  D  E  
 Other \_\_\_\_\_

Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+3	127	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:	4 1/2"	2	187	pvc	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used  Inside  Outside  None  
Final location of shoe(s) 127

(7) PERFORATIONS/SCREENS:

Perforations Method SAW  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
107	187	1/8-2	800	4 1/2"	pvc	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Yield gal/min	Drawdown	Drill stem at	Flowing Time
60	96	187	1 hr.

Temperature of water 56 Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
County Lane Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 16S N or S Range 3W E or W. WM.  
Section 27 SW 1/4 SW 1/4  
Tax Lot 200 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) across from 33401 Van Duyn Eugene, OR 97408

(10) STATIC WATER LEVEL:  
91 ft. below land surface. Date 10-20-00  
Artesian pressure \_\_\_\_\_ lb. per square inch Date \_\_\_\_\_

(11) WATER BEARING ZONES:  
Depth at which water was first found 170 ft.

From	To	Estimated Flow Rate	SWL
170	175	60 gpm	91

(12) WELL LOG:  
Ground Elevation \_\_\_\_\_

Material	From	To	SWL
topsoil	0	1	
brown clay	1	10	
broken-up basalt	10	12	
red claystone soft	12	120	
gray claystone	120	187	91

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Date started 10-20-00 Completed 10-20-00

(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.  
Signed Alan McCreath WWC Number 1641 Date 10-20-00

(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.  
Signed [Signature] WWC Number 1541 Date 10-20-00

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 71184

(START CARD) # 106331

(1) OWNER: Well Number 01  
Name: VAN DUYN LAND CO. / BILL STEVENSON  
Address: 33401 VAN DUYN  
City: EUGENE State: OR Zip: 97408

(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 287 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	
10"	0	98	CEMENT	0	98	65 SACKS
8"	98	117	CEMENT	110	117	2 SACKS
6"	117	287				

How was seal placed: Method  A  B  C  D  E  
 Other \_\_\_\_\_  
Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6"	+2	117	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 4 1/2"	0	287		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) N/A

(7) PERFORATIONS/SCREENS:

Perforations Method SAW  
 Screens Type LINER Material PLASTIC

From	To	Slot size	Number	Diameter	Tele./pipe size	Casing	Liner
167	207	1"	400	1/8"		<input type="checkbox"/>	<input checked="" type="checkbox"/>
247	287	1"	400	1/8"		<input type="checkbox"/>	<input checked="" type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Pump  Bailer  Air  Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
40	161	287	1 hr.

Temperature of water 57 Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
County LANE Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 16 S Range 3 W WM.  
Section 34 SE 1/4 SW 1/4  
Tax Lot 280 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) Across from 33401 Van Duyn Eugene

(10) STATIC WATER LEVEL:  
126 ft. below land surface. Date 6/27/2004  
Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:

Depth at which water was first found 35

From	To	Estimated Flow Rate	SWL
35	90	30	14
160	195	15	126
260	268	25	126

(12) WELL LOG:

Ground Elevation \_\_\_\_\_

Material	From	To	SWL
TOP SOIL	0	2	
BROWN CLAY	2	9	
BROWN SANDSTONE	9	35	
BROWN SANDSTONE WITH GRAVEL	35	105	14
BLUE SANDSTONE	105	135	
BLUE AND GREEN CONGLOM.	135	205	126
GRAY CLAY STONE SOFT	205	210	
BLUE AND GREEN CONGLOM.	210	287	126

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Casey Jones Well Drilling Co. Inc.  
541-747-2806

Date started 6/23/2004 Completed 6/27/2004

(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.

Signed [Signature] WWC Number 1776  
Date 7/1/2004

(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.

Signed [Signature] WWC Number 1541  
Date 7/1/2004

WELL #6

STATE OF OREGON  
WATER SUPPLY WELL REPORT  
(as required by ORS 537.763)

(WELL I.D.)# L 71191  
(START CARD) # 106334

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number **# 2**  
Name **VAN DUYN LAND CO/ BILL STEVENSON**  
Address **33401 VAN DUYN**  
City **EUGENE** State **OR** Zip **97406**

(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 **246** ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	
10"	0	58	CEMENT	0	58	20 SACKS
6"	58	246				

How was seal placed: Method  A  B  C  D  E  
 Other \_\_\_\_\_  
Back fill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6"	+2	130	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 4 1/2"	0	246		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) **N/A**

(7) PERFORATIONS/SCREENS:

Perforations Method **SAW**  
 Screens Type **LINER** Material **PLASTIC**

From	To	Slot size	Number	Diameter	Tube/pipe size	Casing	Liner
186	206	1"	200	1/8"		<input type="checkbox"/>	<input checked="" type="checkbox"/>
226	246	1"	200	1/8"		<input type="checkbox"/>	<input checked="" type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Yield gal/min	Drawdown	Drill stem at	Flowing Artesian	Time
17	122	246	<input checked="" type="checkbox"/>	1 hr.

Temperature of water **57.5** Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
County **LANE** Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township **16** S Range **3** W WM.  
Section **34** SE 1/4 SW 1/4  
Tax Lot **200** Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) **Across from 33401 Van Duyn Eugene**

(10) STATIC WATER LEVEL:  
**124** ft. below land surface. Date **6/28/2004**  
Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:

Depth at which water was first found **40**

From	To	Estimated Flow Rate	SWL
40	47	1	22
165	205	17	124

(12) WELL LOG:

Ground Elevation \_\_\_\_\_

Material	From	To	SWL
TOP SOIL	0	2	
BROWN SANDSTONE	2	20	
BROWN SANDSTONE BROKEN	20	47	22
BLUE CLAY STONE SOFT	47	130	
BLUE SANDSTONE HARD	130	145	
Blue/Green conglm. w/brown claystone soft	145	260	124

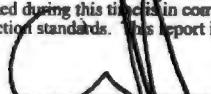
Well caved 14' before liner was installed.

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JUL 06 2004  
WATER RESOURCES DEPT  
SALEM, OREGON

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FEB 16 2011  
WATER RESOURCES DEPT  
SALEM, OREGON

Casey Jones Well Drilling Co. Inc.  
541-747-2806  
Date started **6/27/2004** Completed **6/28/2004**

(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.  
Signed  WWC Number **1776**  
Date **7/1/2004**

(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.  
Signed  WWC Number **1541**  
Date **7/1/2004**



**DIAMOND RIDGE WATER ASSOCIATION**  
**Monthly Residential Water Usage**

(units: gal./month)

**RECEIVED**

**FEB 16 2011**

**WATER RESOURCES DEP  
SALEM, OREGON**

YEAR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
2008	120,720	71,000	81,470	45,800	58,690	204,900	409,330	509,030	592,500	323,920	323,920	208,160
2009	118,970	132,400	397,030	129,560	483,350	639,536	772,284	713,750	481,560	170,590	224,930	173,800
2010	157,710	121,516	128,590	189,150	96,560	184,180	443,540	1,029,980	932,560	433,530	318,060	243,330

*Data compiled by Patti Smith 2/8/2011*

#1

### Oregon Water Resources Department WATER-USE IMPACT PLAN REPORTING

RE: Required Water-Use Impact Plans and Water-Level Reporting for Ground Water Permits

Userid: 29795

VAN DUYN LAND CO. LLC  
33401 VAN DUYN RD  
EUGENE OR 97401

If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your water-use impact plan to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements. We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

#### WATER-LEVEL MEASUREMENT REPORT (Complete one form for each well that requires measurement under your plan)

**Well Identification:**

Please provide as much information as possible if you do not know the Well Log ID or Well Tag numbers.

OWRD Well Log ID: 71191  
Well not yet drilled date: \_\_\_\_\_  
Owners Site Name: lot 19 by water tank  
Well Tag on Well: 71191 Date drilled: 6/27/2004  
Well Tag on Well Log: 71191 Total well depth (ft): 190'  
Well drilled by: Casey Jones well Drilling Casing diameter (in): 6"  
Original owner on well log: Van Duyn Land Co - William Staver

Show all water rights with water-level measurement conditions that list this well:

Application number(s): G-15800  
Permit number(s): G-16016  
Certificate number(s): \_\_\_\_\_

When did water use begin under this permit from this well? Date: Month/Yr \_\_\_\_\_

Measuring point (MP) is 2.0 feet above below (circle one) land surface.

Description of measuring point (e.g. 1/2-inch access port in sub seal): 200'

Water Level Measurement:		Depth to Water Below Meas Point	Depth to Water Below Land Surface	Measurement Status	Measurement Method
Well Log ID	Date Measured (mm/dd/yyyy)			static <input checked="" type="checkbox"/> pumping <input type="checkbox"/> rising <input type="checkbox"/> flowing <input type="checkbox"/>	e-tape <input checked="" type="checkbox"/> airline <input type="checkbox"/> other <input type="checkbox"/>
<u>71191</u>	<u>03/04/2008</u>	<u>74.6'</u>			

Specify other measurement method: \_\_\_\_\_

For airline measurements only: Airline pressure \_\_\_\_\_ psi Airline length \_\_\_\_\_ ft

For flowing artesian wells only: Shut-in pressure \_\_\_\_\_ psi

Length of time well was idle prior to water-level measurement: Unknown

Comments: \_\_\_\_\_

RECEIVED

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer. FEB 16 2011

Person making measurement (print): Harry Kline  
Signature of measur: Harry Kline  
Company: Rainbow Pump Co. Inc  
License number (CWRE, RG, PE, WWC, Pump Installed): CCB 38493  
Daytime phone number: 541-726-0994 Email address: Rainbump@yaho.com

WATER RESOURCES DEPT  
SALEM, OREGON

If you have any questions about this notice, please call the Measurement & Reporting Section of the Department at 503-986-0834 or 503-986-0843. Return this Form to: OWRD, Meas & Reptg Section, 725 Summer St. NE, Suite. A, Salem, OR 97301-1271.

Additional forms may be obtained from our web sit at: www.oregon.gov/OWRD

OWRD

2/21/2008 GW/MJZ

#2

### Oregon Water Resources Department WATER-USE IMPACT PLAN REPORTING

RE: Required Water-Use Impact Plans and Water-Level Reporting for Ground Water Permits

Userid: 29795

VAN DUYN LAND CO. LLC  
33401 VAN DUYN RD  
EUGENE OR 97401

If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your water-use impact plan to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements. We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

#### WATER-LEVEL MEASUREMENT REPORT (Completes one form for each well that requires measurement under your plan)

**Well Identification:**

Please provide as much information as possible if you do not know the Well Log ID or Well Tag numbers.

OWRD Well Log ID: 71194  
Well not yet drilled date: \_\_\_\_\_  
Owners Site Name: Lot 28 North of Loop Rd  
Well Tag on Well: L-71194 Date drilled: 6-23-2004  
Well Tag on Well Log: L-71194 Total well depth (ft): 145'  
Well drilled by: Casey Jones Well Drilling Casing diameter (in): 6"  
Original owner on well log: Van Duyn Land Co - William Stevenson

Show all water rights with water-level measurement conditions that list this well:

Application number(s): G-15800  
Permit number(s): G 16016  
Certificate number(s): \_\_\_\_\_

When did water use begin under this permit from this well? Date: Month/Yr \_\_\_\_\_

Measuring point (MP) is 1.5 feet (above) / below (circle one) land surface.

Description of measuring point (e.g. 1/2-inch access port in sub seal): 2004

Water Level Measurement:		Depth to Water Below Meas Point	Depth to Water Below Land Surface	Measurement Status	Measurement Method
Well Log ID	Date Measured (mm/dd/yyyy)			static <input checked="" type="checkbox"/> pumping <input type="checkbox"/> rising <input type="checkbox"/> flowing <input type="checkbox"/>	c-taps <input checked="" type="checkbox"/> airline <input type="checkbox"/> other <input type="checkbox"/>
<u>L 71194</u>	<u>03/05/2008</u>	<u>196.3'</u>			

Specify other measurement method:

For airline measurements only: Airline pressure \_\_\_\_\_ psi Airline length \_\_\_\_\_

For flowing artesian wells only: Shut-in pressure \_\_\_\_\_ psi

Length of time well was idle prior to water-level measurement: Unknown

Comments: \_\_\_\_\_

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FEB 16 2011

WATER RESOURCES DEPT  
SALEM, OREGON

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Harry Kline  
Signature of measurer: [Signature]  
Company: Rainbow Pump Co. Inc  
License number (CWRE, RG, PE, WWC, Pump Installer): CCB 38493  
Drytime phone number: 541-726-1394 Email address: rainbowpump@yahoo.com

If you have any questions about this notice, please call the Measurement & Reporting Section of the Department at 503-986-0834 or 503-986-0843. Return this Form to: OWRD, Meas & Reptg Section, 725 Summer St. NE, Suite. A, Salem, OR 97301-1271.

#3

### Oregon Water Resources Department WATER-USE IMPACT PLAN REPORTING

RE: Required Water-Use Impact Plans and Water-Level Reporting for Ground Water Permits

Userid: 29795

VAN DUYN LAND CO. LLC  
33401 VAN DUYN RD  
EUGENE OR 97401

If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your water-use impact plan to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements. We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

#### WATER-LEVEL MEASUREMENT REPORT (Complete one form for each well that requires measurement under your plan)

**Well Identification:**

Please provide as much information as possible if you do not know the Well Log ID or Well Tag numbers.

OWRD Well Log ID: 44972  
Well not yet drilled date: let 20 by pump house  
Owners Site Name: \_\_\_\_\_  
Well Tag on Well: L-44972 Date drilled: 10-20-2000  
Well Tag on Well Log: L-44872 Total well depth (ft): 187'  
Well drilled by: Casey Jones Well Drilling Casing diameter (in): 6"  
Original owner on well log: \_\_\_\_\_

Show all water rights with water-level measurement conditions that list this well:

Application number(s): G 15800  
Permit number(s): G 16016  
Certificate number(s): \_\_\_\_\_

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FEB 16 2011

When did water use begin under this permit from this well? Date: Month/Yr \_\_\_\_\_

Measuring point (MP) is 2.3 feet above / below (circle one) land surface.

WATER RESOURCES DEPT  
SALEM, OREGON

Description of measuring point (e.g. 1/2-inch access port in sub sea): 2004

Water Level Measurement:		Depth to Water Below Meas Point	Depth to Water Below Land Surface	Measurement Status	Measurement Method
Well Log ID	Date Measured (mm/dd/yyyy)			static <input checked="" type="checkbox"/> pumping <input type="checkbox"/> rising <input type="checkbox"/> flowing <input type="checkbox"/>	c-tape <input checked="" type="checkbox"/> airline <input type="checkbox"/> other <input type="checkbox"/>
<u>L44872</u>	<u>03/05/2008</u>	<u>143.9'</u>			

Specify other measurement method: \_\_\_\_\_  
For airline measurements only: Airline pressure \_\_\_\_\_ psi Airline length \_\_\_\_\_ ft  
For flowing artesian wells only: Shut-in pressure \_\_\_\_\_ psi  
Length of time well was idle prior to water-level measurement: unknown  
Comments: \_\_\_\_\_

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer.

Person making measurement (print): Harry F Kline  
Signature of measurer: [Signature]  
Company: Rainbow Pump Co Inc  
License number (CWRE, RG, PE, WWC, Pump Installer): CCB 38493  
Daytime phone number: 541-726-1374 Email address: rainbowpump@yahoo.com

If you have any questions about this notice, please call the Measurement & Reporting Section of the Department at 503-986-0834 or 503-986-0843. Return this Form to: OWRD, Meas & Reptg Section, 725 Summer St. NE, Suite. A, Salem, OR 97301-1271.

STATE OF OREGON

COUNTY OF LANE

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

VAN DUYN LAND CO. LLC  
33401 VAN DUYN RD  
EUGENE, OREGON 97401

(541) 343-0323

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

APPLICATION FILE NUMBER: G-15800

SOURCE OF WATER: WELL #2, WELL #5, AND WELL #6 IN DANIELS CREEK BASIN

PURPOSE OR USE: GROUP DOMESTIC FOR 27 HOUSEHOLDS; IRRIGATION OF ½ ACRE PER HOUSEHOLD

MAXIMUM CUMULATIVE TOTAL: 0.13 CUBIC FOOT PER SECOND

PERIOD OF USE: GROUP DOMESTIC USE: YEAR ROUND  
IRRIGATION: MARCH 1 THROUGH OCTOBER 31

DATE OF PRIORITY: JULY 17, 2002

WELL LOCATIONS:

WELL #2 (TAG #44872): SE ¼ SE ¼, SECTION 34, T16S, R3W, W.M.; 43 DEGREES NORTH 01 MINUTES 28 SECONDS WEST 1814 FEET FROM SE CORNER, SECTION 34

WELL #5 (TAG #71194): SE ¼ SE ¼, SECTION 34, T16S, R3W, W.M.; 28 DEGREES NORTH 23 MINUTES 35 SECONDS WEST 1155 FEET FROM SE CORNER, SECTION 34

WELL #6 (TAG #71191): SE ¼ SE ¼, SECTION 34, T16S, R3W, W.M.; 18 DEGREES NORTH 49 MINUTES 37 SECONDS WEST 492 FEET FROM SE CORNER, SECTION 34

THE PLACE OF USE IS LOCATED AS FOLLOWS:

SW ¼ NE ¼  
SE ¼ NE ¼  
NE ¼ SE ¼  
SE ¼ SE ¼  
SECTION 34  
SW ¼ NW ¼  
NW ¼ SW ¼  
SW ¼ SW ¼  
SECTION 35

TOWNSHIP 16 SOUTH, RANGE 3 WEST, W.M.

## Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order.
- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.
- C. The Director may require the permittee to keep and maintain a record of the amount (volume) of water used and may require the permittee to report water use on a periodic schedule as established by the Director. In addition, the Director may require the permittee to report general water use information, the periods of water use and the place and nature of use of water under the permit. The Director may provide an opportunity for the permittee to submit alternative reporting procedures for review and approval.

Any replacement well(s) shall be completed in the deep aquifer within the marine sediments.

The special construction standards for all additional wells depth shall be incorporated into the permit and any certificate issued for application G-15800.

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.

#### **Limited Water Level Decline/Interference Condition**

To monitor the effect of water use from the well(s) authorized under this permit, the Department requires the water user to make and report annual static water level measurements. The static water level shall be measured in the month of **March**. Reports shall be submitted to the Department within 30 days of measurement.

Measurements must be made according to the following schedule:

#### **Before Use of Water Takes Place**

##### Initial and Annual Measurements

The Department requires the permittee to submit an initial water level measurement in the month specified above once well construction is complete and annually thereafter until use of water begins; and

#### **After Use of Water has Begun**

##### Seven Consecutive Annual Measurements

Following the first year of water use, the user shall submit seven consecutive annual reports of static water level measurements. The first of these seven annual measurements will establish the reference level against which future annual measurements will be compared. Based on an analysis of the data collected, the Director may require that the user obtain and report additional annual static water level measurements beyond the seven year minimum reporting period. The additional measurements may be required in a different month. If the measurement requirement is stopped, the Director may restart it at any time.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board and be submitted to the Department on forms provided by the Department. The Department requires the individual performing the measurement to:

- (A) Identify each well with its associated measurement; and
- (B) Measure and report water levels to the nearest tenth of a foot as depth-to-water below ground surface; and
- (C) Specify the method used to obtain each well measurement; and
- (D) Certify the accuracy of all measurements and calculations submitted to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if annual water level measurements reveal any of the following events:

- (A) An average water level decline of 3 or more feet per year for

- five consecutive years; or
- (B) A water level decline of 15 or more feet in fewer than five consecutive years; or
  - (C) A water level decline of 25 or more feet; or
  - (D) Hydraulic interference leading to a decline of 25 or more feet in any neighboring well with senior priority.

The period of non or restricted use shall continue until the annual water level rises above the decline level which triggered the action or until the Department determines, based on the permittee'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. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

#### STANDARD CONDITIONS

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

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

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

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

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best

practical technologies or conservation practices to achieve this end.

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

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

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

Complete application of the water to the use shall be made on or before October 1, 2010. 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).

THIS PERMIT IS ISSUED TO CORRECT A TYPOGRAPHICAL ERROR REGARDING THE PURPOSE OR USE OF PERMIT G-16016. PERMIT G-16016 IS CANCELLED.

Issued JUNE 6, 2011

  
Phillip C. Ward, Director  
Water Resources Department

# Mailing List for FO Copies

Application #G-15800

## Original mailed to applicant with claim of beneficial use form:

DIAMOND RIDGE WATER ASSOCIATION  
PO BOX 8411  
COBURG OR 97408-1306

← the original got sent to them - I had not realized they were different people until after I sent it.

## Copies sent to:

1. WRD - File # G-15800  
Ken Stehr

<b>Copies Mailed</b>	
By: <u>OS</u>	(SUPPORT STAFF)
on: <u>6/17/11</u>	(DATE)

OK per DWP

## FO and Map Copies sent to (remember to reduce copy margins):

2. WRD - Watermaster District #: District 2
3. WRD - Regional Manager: NWR

## Copies sent to Other Interested Persons (CWRE, Agent, Commenter, etc.)

4. ALLAN AMOTH CWRE #37709

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

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

→ Allan Amoth  
8194 NW Wynoochee Dr  
Corvallis OR 97330

~~Applicant: Van Duyn Land Co LLC  
33401 Van Duyn Rd  
Eugene OR 97401~~



**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:

FILE#: G 15800  
 VAN DUYN LAND CO. LLC; KLOOS, BILL  
 33401 VAN DUYN RD  
 EUGENE, OR 97401

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature


 Agent Addressee

B. Received by (Printed Name)



C. Date of Delivery

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 0500 0005 0270 1871

UNITED STATES POSTAL SERVICE 2



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

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

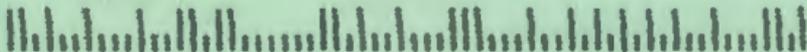
WATER RESOURCES DEPT.  
SALEM, OREGON

SEP 02 2003

**RECEIVED**

WATER RESOURCES DEPARTMENT  
158 12<sup>TH</sup> STREET NE  
SALEM OR 97301-4172

301+4172





# Oregon

Theodore R. Kulongoski, Governor

**Water Resources Department**

Commerce Building  
158 12th Street NE  
Salem, OR 97301-4172  
503-378-3739  
FAX 503-378-8130

**CERTIFIED MAIL**  
**Return Receipt Requested**

August 29, 2003

VAN DUYN LAND CO. LLC  
BILL KLOOS  
33401 VAN DUYN RD  
EUGENE, OREGON 97401

(541) 343-0323

Reference: File G-15800

Dear Mr. Kloos:

**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 as otherwise noted below.
2. The use of water from seven wells in Daniels Creek Basin for group domestic for twenty-seven (27) households **is allowable** under OAR 690-502, the Willamette Basin Program.
3. The Department has determined, based upon OAR 690-09, that the proposed groundwater use from Well #2 will, if properly conditioned, adequately protect the surface water from interference.
4. The applicant requested the use of 0.3 cubic foot per second (CFS) for group domestic for twenty-seven (27) households. The applicant submitted information that demonstrates the need for a flow rate that is higher than the general standard. Therefore, the Department may authorize the requested, higher rate of water use under ORS 537.621(4).

Application G-15800

1

5. The Department has also determined, based upon available data, that the use of groundwater if properly conditioned, will not injure existing rights or the groundwater resource. Based upon information submitted by EGR & Associates, Inc., and the ground water review, the Department has determined that the ground water resource will only accommodate a maximum cumulative total of 0.09 CFS (41.0 gallons per minute). **Therefore, the use requested under this application shall be limited to 0.09 CFS.**
6. On January 7, 2003, the applicant withdrew Wells # 1 and #3 from this application. The remaining wells to be considered include existing Well #2 and proposed Wells #4, #5, #6, and #10.
7. The Department has noted the map is missing the location of each well by reference to a recognized public land survey corner as required under OAR 690-310-050(4). Please refer to the **ADDITIONAL INFORMATION REQUIRED** section below for specific information.

### Summary of Initial Determinations

**The use of 0.09 cubic foot per second from five wells in Daniels Creek Basin for group domestic for twenty-seven (27) households is allowable year-round; the irrigation of ½ acre per household is allowable March 1 through October 31.**

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.

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.

### Additional Information Required

- **OAR 690-310-050(4)(a) requires the location of each diversion point, well, or dam by reference to a recognized public land survey corner. The locations may be shown by distance and bearing or by coordinates (distance north or south and distance east or west from the corner). Please provide the Department with a copy of a map indicating the location of each well.**

Please submit this information no later than **Thursday, September 25, 2003**. If you are unable to submit the above listed information by the date specified, you may request a “time out from processing” for up to an additional 180 days. You must submit the request in writing, stating how much more time you will need and why you need additional time. If a time out is granted, your application will not be processed further until the requested information is received or the extended deadline has passed.

If we do not receive the items requested above by this date, or a request for time out from processing, we may reject your application consistent with ORS 537.153. If your application is rejected, any fees submitted in excess of the examination fee will be refunded; however, the examination fee is non-refundable and will not be returned. In addition, the priority date associated with your application will be lost.

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, September 12, 2003**. 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 meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order.
  - B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.
  - C. The Director may require the permittee to keep and maintain a record of the amount (volume) of water used and may require the permittee to report water use on a periodic schedule as established by the Director. In addition, the Director may require the permittee to report general water use information, the periods of water use and the place and nature of use of water under the permit. The Director may provide an opportunity for the permittee to submit alternative reporting procedures for review and approval.
2. The priority date for this application is JULY 17, 2002.
3. 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.

#### 4. **Limited Water Level Decline/Interference Condition**

To monitor the effect of water use from the well(s) authorized under this permit, the Department requires the water user to make and report annual static water level measurements. The static water level shall be measured in the month of **March**. Reports shall be submitted to the Department within 30 days of measurement.

Measurements must be made according to the following schedule:

##### **Before Use of Water Takes Place**

###### Initial and Annual Measurements

The Department requires the permittee to submit an initial water level measurement in the month specified above once well construction is complete and annually thereafter until use of water begins; and

##### **After Use of Water has Begun**

###### Seven Consecutive Annual Measurements

Following the first year of water use, the user shall submit seven consecutive annual reports of static water level measurements. The first of these seven annual measurements will establish the reference level against which future annual measurements will be compared. Based on an analysis of the data collected, the Director may require that the user obtain and report additional annual static water level measurements beyond the seven year minimum reporting period. The additional measurements may be required in a different month. If the measurement requirement is stopped, the Director may restart it at any time.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board and be submitted to the Department on forms provided by the Department. The Department requires the individual performing the measurement to:

- (A) Identify each well with its associated measurement; and

- (B) Measure and report water levels to the nearest tenth of a foot as depth-to-water below ground surface; and
- (C) Specify the method used to obtain each well measurement; and
- (D) Certify the accuracy of all measurements and calculations submitted to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if annual water level measurements reveal any of the following events:

- (A) An average water level decline of 3 or more feet per year for five consecutive years; or
- (B) A water level decline of 15 or more feet in fewer than five consecutive years; or
- (C) A water level decline of 25 or more feet; or
- (D) Hydraulic interference leading to a decline of 25 or more feet in any neighboring well with senior priority.

The period of non or restricted use shall continue until the annual water level rises above the decline level which triggered the action or until the Department determines, based on the permittee'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. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

5. The proposed locations for wells #4, #5, #6 and possibly #10 will be approved in writing prior to beginning construction.
6. Wells #4, #5, #6 and #10 shall be completed in the deep aquifer within the marine sediments. The permittee shall submit, in writing, a rough well log and a proposed construction design for approval by the Department Hydrogeologist Marc Norton or the Ground Water/Hydrology Section Manager. If the well(s) is constructed first and then the request made, it shall not be granted. The special construction standards for all additional wells depth shall be incorporated into the permit and any certificate issued for application G-15800.
7. Additional conditions may be included after the receipt of a new map reflecting the location of the existing well #2 four proposed wells #4, #5, #6, and #10.
8. The irrigation of ½ acre per lot will be limited to the period of use March 1 through October 31 of each year.

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 make sure 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.oda.state.or.us/nrd/water\\_quality/index.html](http://www.oda.state.or.us/nrd/water_quality/index.html) to learn more about the plans and how they may affect your proposed water use.

If you have any questions:

Questions about the status of your application, processing timelines, or your upcoming Proposed Final Order should be directed to our Water Right Information Group at 503-378-8455 extension 201. Feel free to call me at 503-378-8455 extension 458 if you have any questions regarding the contents of this letter. Please have your application number available if you call. Address all other correspondence to: Water Rights Section, Oregon Water Resources Department, 158 12th ST. NE Salem, OR 97301-4172, Fax: 503-378-6203.

Sincerely,

  
Jerry W. Gainey  
Water Right Processing Technician

enclosures: Flow Chart of Water Right Process  
Stop Processing Form

G-15800  
wab 02-30200303  
pou 02-30200303  
gw c

# 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-15800

Applicant: VAN DUYN LAND CO. LLC; BILL KLOOS

County: LANE

Watermaster: District 2

Priority Date: JULY 17, 2002

Source: FIVE WELLS IN DANIELS CREEK BASIN

Use: GROUP DOMESTIC FOR TWENTY-SEVEN (27) HOUSEHOLDS AND IRRIGATION OF  
½ ACRE PER HOUSEHOLD

Quantity: 0.998 CUBIC FOOT PER SECOND

Basin Name & Number: Willamette, #02

Stream Index Reference: Volume 4 MUDDY CR & MISC

Well Locations (locations estimated by WRD staff as depicted on application map):

Well #2: SESE, SECTION 34, T16S, R3W, W.M.; 1260 FEET NORTH AND 1200 FEET WEST FROM SE CORNER, SECTION 34

Well #4: SESE, SECTION 34, T16S, R3W, W.M.; 900 FEET NORTH AND 650 FEET WEST FROM SE CORNER, SECTION 34

Well #5: SESE, SECTION 34, T16S, R3W, W.M.; 1260 FEET NORTH AND 660 FEET WEST FROM SE CORNER, SECTION 34

Well #6: NESE, SECTION 34, T16S, R3W, W.M.; 1600 FEET NORTH AND 600 FEET WEST FROM SE CORNER, SECTION 34

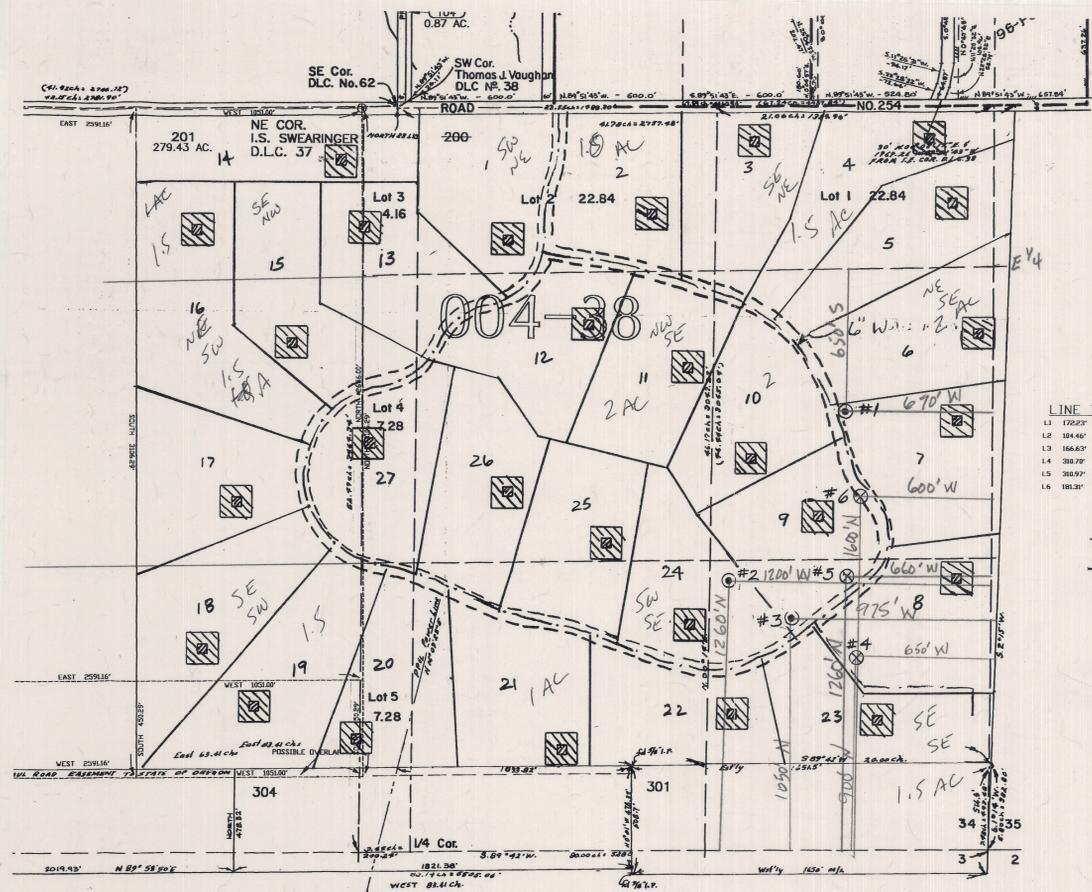
Proposed Well #10: No Location provided.

Place of Use: SWNE, GROUP DOMESTIC AND 1.0 ACRE IRRIGATION, SENE, GROUP DOMESTIC AND 1.5 ACRES IRRIGATION, SENW, GROUP DOMESTIC AND 1.5 ACRES IRRIGATION, NESW, GROUP DOMESTIC AND 1.5 ACRES IRRIGATION, SESW, GROUP DOMESTIC AND 1.5 ACRES IRRIGATION, NESE, GROUP DOMESTIC AND 2.0 ACRES IRRIGATION, NWSE, GROUP DOMESTIC AND 2.0 ACRES IRRIGATION, SWSE, GROUP DOMESTIC AND 1.0 ACRE IRRIGATION, SESE, GROUP DOMESTIC AND 1.5 ACRES IRRIGATION, TOWNSHIP 16 SOUTH, RANGE 3 WEST, W.M.;

**14 DAY STOP PROCESSING DEADLINE DATE: Friday, September 12, 2003**

**PUBLIC NOTICE DATE: Tuesday, September 2, 2003**

**30 DAY COMMENT DEADLINE DATE: Thursday, October 2, 2003**



N  
1" = 400'  
WORK COPY - DO NOT SEND OUT.

27 1/2 = 15.5 AC

LINE TABLE  
 L1 176.67' N 78°30'48" W  
 L2 184.64' N 0°00'00" W  
 L3 166.63' S 89°59'17" W  
 L4 388.79' N 89°59'17" W  
 L5 389.97' N 89°59'17" W  
 L6 181.30' S 89°59'17" W

RECEIVED  
 JUL 17 2002  
 WATER RESOURCES DEPT.  
 SALEM, OREGON

Legend  
 - - - Proposed 6" water main to provide water to 27 lots for dom. use.  
 ⊙ Existing well with reference #  
 ⊗ Future well with reference #  
 (Reference number for State of Oregon - Application for a Permit to use Ground Water.)  
 ▨ Proposed irrigated landscaped area (1/2 acre per lot)  
 Proposed Home  
 - - - Proposed Road

EXHIBIT A



# 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

May 17, 2011

Alan Amoth  
8194 NW Wynoochee Dr.  
Corvallis, Oregon 97330

REFERENCE: Application G-15800

Dear Mr. Amoth:

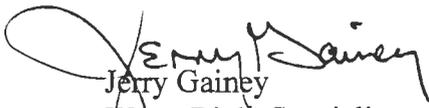
This is in response to your letter of April 29, 2011, requesting the Department to reconsider the purpose or use identified in Permit G-16016.

I have discussed your request with Dwight French, Water Right Services Division Administrator. The Department is unable to change the purpose or use of the permit. At the time the permit was issued, the permittee the opportunity to protest or request reconsideration at that time. This would be considered an enlargement of the right.

If the Diamond Ridge Water Association or designated representative desires to irrigate a half-acre lawn or non-commercial garden, a new application will be required. Prior to submitting the application, please can contact Mr. French, at 503-986-0819, to discuss the alternatives available and to request the possibility of a fee waiver.

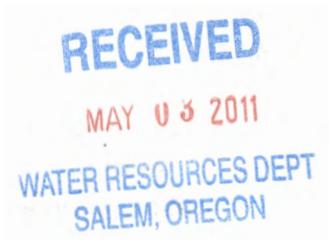
If you have any questions, please contact me at 503-986-0812.

Sincerely,

  
Jerry Gainey  
Water Right Specialist  
Certificate & Extension Section

April 29, 2011

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



Attention: Jerry Gainey, Water Resources

Subject: Diamond Ridge Water Association Permit No. G-16016 Water Use Classification

Dear Jerry,

You will recall that I assisted the Diamond Ridge Water Association (DRWA) with a water rights permit Request for Assignment and Application for Extension of Time, submitted in February of this year. In reviewing this permit, G-16016, it became apparent that there is confusion related to the definition of the water use classification "Group Domestic for 27 Households". Specifically, the confusion relates to whether this use classification allows each lot owner to irrigate up to ½-acre for lawns and non-commercial gardens.

Yesterday, I reviewed some of the file for Permit G-16016 (Application G-15800) at the WRD office in Salem. From this review, it is my conclusion that the water use for the Diamond Ridge development always contemplated that each lot owner would be allowed to irrigate up to ½-acre for lawns and/or gardens. This conclusion stems from very specific language found in the following communications.

1. A July 17, 2002 Application that describes the proposed use as ""group domestic" with watering of lawn or non-commercial garden up to ½ acre per lot." Additionally, the preliminary map submitted with the application shows each lot having a house and ½ acre identified for irrigation.
2. An August 29, 2003 letter from WRD to Van Duyn Land Co. LLC that presents WRD's preliminary analysis of the Application. In this letter's Summary of Initial Determinations WRD states that the use of 0.09 cfs of water will be allowable year-round from wells and irrigation of ½ acre per household is allowable March 1 through October 31.
3. A February 24, 2004 Proposed Final Order from WRD. In the *Application History* section of this PFO, the conclusions of WRD's August 29, 2003 letter are restated and include the acknowledgement that irrigation of ½ acre per household is allowable March 1 through October 31. WRD gave public notice of this proposed permit and no written comments were received. The PFO granted an increase in the allowable usage rate to 0.13 cfs based upon well log analyses and it was recommended that a draft permit be issued. No further mention of the ½ acre irrigation allowance was found and it is not specifically discussed in the Permit.

RECEIVED

MAY 03 2011

WATER RESOURCES DEPT  
SALEM, OREGON

This past November, I attended the annual CWRE Workshop hosted by WRD. One of the handout items at this workshop was a listing of the Water Rights Use Categories currently employed by WRD. The comprehensive list includes multiple designations related to domestic uses including DI – domestic including lawn and garden, DN – domestic expanded including non-commercial garden, DO – domestic, DS – domestic & livestock and GD – group domestic. The group domestic classification (the use called for in Permit G-16016) is the only category shown that applies to multiple household situations. The categorization list does not contain any group domestic permutations for lawn and garden irrigation or livestock used and, because of this, adds confusion as to what is specifically included.

From my review of the files it is apparent that WRD recognized and approved ½ acre of irrigation for each household at the Diamond Ridge subdivision. Since there seems to be confusion about this approved use it seems appropriate that some additional measure be taken to clarify the permit's intention. Since WRD is in the process of reviewing the Application for Extension of Time it may be possible to add clarifying language to the re-issued permit. If this is not possible, at a minimum, I believe a memorandum should be placed in the Permit file – with a copy sent to the DRWA – that clarifies the precise definition of Group Domestic as used in this permit.

Jerry, I am sure you would like to eliminate any confusion related to this permit and appreciate your consideration of the facts I have presented above. If you would like to discuss any of these points with me, please call (541-760-2348) or email ([amothfam@proaxis.com](mailto:amothfam@proaxis.com)).

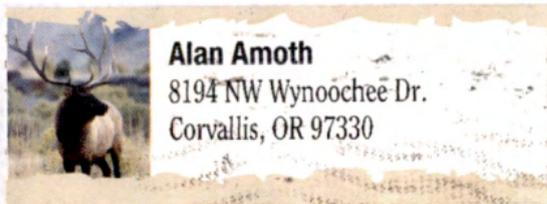
Thank you for your review.

Sincerely,



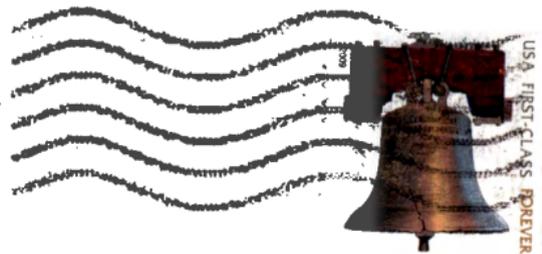
Alan Amoth, CWRE 37709

Cc: DRWA



SALEM OR 973

29 APR 2011 PM 1 T



G-15800

OWRID  
725 SUMMER STREET NE, SUITE A  
SALEM, OR 97301

Attn: JERRY GAINES

9730131266



# PHONE CALL

FOR

THR x EXT <sup>RA</sup>

DATE

4-28

TIME

AM.  
P.M.

M

ALLAN

AMOTH

OF

CWR

PHONE

541-760 2348

CELL

MESSAGE

TELEPHONED

RETURNED YOUR CALL

PLEASE CALL

WILL CALL AGAIN

CAME TO SEE YOU

WANTS TO SEE YOU

2005 =

G 15800

SArom - Review

SIGNED

541 760 2348

2011

0

STATE OF OREGON

COUNTY OF LANE

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

VAN DUYN LAND CO. LLC  
33401 VAN DUYN RD  
EUGENE, OREGON 97401

(541) 343-0323

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

APPLICATION FILE NUMBER: G-15800

SOURCE OF WATER: WELL #2, WELL #5, AND WELL #6 IN DANIELS CREEK BASIN

PURPOSE OR USE: GROUP DOMESTIC FOR 27 HOUSEHOLDS

MAXIMUM CUMULATIVE TOTAL: 0.13 CUBIC FOOT PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: JULY 17, 2002

WELL LOCATIONS:

WELL #2 (TAG #44872): SE ¼ SE ¼, SECTION 34, T16S, R3W, W.M.; 43 DEGREES NORTH 01 MINUTES 28 SECONDS WEST 1814 FEET FROM SE CORNER, SECTION 34

WELL #5 (TAG #71194): SE ¼ SE ¼, SECTION 34, T16S, R3W, W.M.; 28 DEGREES NORTH 23 MINUTES 35 SECONDS WEST 1155 FEET FROM SE CORNER, SECTION 34

WELL #6 (TAG #71191): SE ¼ SE ¼, SECTION 34, T16S, R3W, W.M.; 18 DEGREES NORTH 49 MINUTES 37 SECONDS WEST 492 FEET FROM SE CORNER, SECTION 34

THE PLACE OF USE IS LOCATED AS FOLLOWS:

SW ¼ NE ¼  
SE ¼ NE ¼  
NE ¼ SE ¼  
SE ¼ SE ¼  
SECTION 34

SW ¼ NW ¼  
NW ¼ SW ¼  
SW ¼ SW ¼  
SECTION 35

TOWNSHIP 16 SOUTH, RANGE 3 WEST, W.M.

## Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order.
- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.
- C. The Director may require the permittee to keep and maintain a record of the amount (volume) of water used and may require the permittee to report water use on a periodic schedule as established by the Director. In addition, the Director may require the permittee to report general water use information, the periods of water use and the place and nature of use of water under the permit. The Director may provide an opportunity for the permittee to submit alternative reporting procedures for review and approval.

Any replacement well(s) shall be completed in the deep aquifer within the marine sediments.

The special construction standards for all additional wells depth shall be incorporated into the permit and any certificate issued for application G-15800.

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.

**Limited Water Level Decline/Interference Condition**

To monitor the effect of water use from the well(s) authorized under this permit, the Department requires the water user to make and report annual static water level measurements. The static water level shall be measured in the month of **March**. Reports shall be submitted to the Department within 30 days of measurement.

Measurements must be made according to the following schedule:

**Before Use of Water Takes Place**Initial and Annual Measurements

The Department requires the permittee to submit an initial water level measurement in the month specified above once well construction is complete and annually thereafter until use of water begins; and

**After Use of Water has Begun**Seven Consecutive Annual Measurements

Following the first year of water use, the user shall submit seven consecutive annual reports of static water level measurements. The first of these seven annual measurements will establish the reference level against which future annual measurements will be compared. Based on an analysis of the data collected, the Director may require that the user obtain and report additional annual static water level measurements beyond the seven year minimum reporting period. The additional measurements may be required in a different month. If the measurement requirement is stopped, the Director may restart it at any time.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board and be submitted to the Department on forms provided by the Department. The Department requires the individual performing the measurement to:

- (A) Identify each well with its associated measurement; and
- (B) Measure and report water levels to the nearest tenth of a foot as depth-to-water below ground surface; and
- (C) Specify the method used to obtain each well measurement; and
- (D) Certify the accuracy of all measurements and calculations submitted to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if annual water level measurements reveal any of the following events:

- (A) An average water level decline of 3 or more feet per year for five consecutive years; or

- (B) A water level decline of 15 or more feet in fewer than five consecutive years; or
- (C) A water level decline of 25 or more feet; or
- (D) Hydraulic interference leading to a decline of 25 or more feet in any neighboring well with senior priority.

The period of non or restricted use shall continue until the annual water level rises above the decline level which triggered the action or until the Department determines, based on the permittee'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. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

#### STANDARD CONDITIONS

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

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

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

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

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

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

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

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

Complete application of the water to the use shall be made on or before October 1, 2010. 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 February 16, 2006

*E. Timothy Ward* for

Phillip C. Ward, Director  
Water Resources Department



Oregon Water Resources Department  
Water Rights Division

Water Rights Application  
Number G-15800

**Final Order**

*Application History*

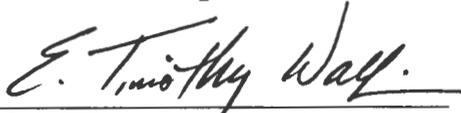
On JULY 17, 2002, BILL KLOOS submitted an application to the Department on behalf of VAN DUYN LAND CO. LLC for a water use permit. The Department issued a Proposed Final Order on February 24, 2004. The protest period closed April 9, 2004, and no protest was filed.

The proposed use would not impair or be detrimental to the public interest, but the Department's continuing evaluation reveals that the Proposed Final Order requires modification to correctly describe the wells to be used as the source of water. The applicant has complied with conditions for Well 5 and 6 identified in the draft permit attached to the proposed final order, therefore, the conditions will not have an impact on the issuance of this permit.

**Order**

Application G-15800 therefore is approved with the above modifications to the Proposed Final Order, and Permit G-16016 is issued as limited by the conditions set forth therein.

DATED February 16 , 2006

 for

Phillip C. Ward, Director  
Water Resources Department

*Hearing and Appeal Rights*

Under the provisions of ORS 537.170 and ORS 537.622, the applicant may request a contested case hearing by submitting the information required for a protest under ORS 537.153(6) or ORS 537.621(7) to the Department within 14 days after the date of mailing of this order as shown below. If a contested case hearing is requested, the Department must schedule one. In the contested case hearing, however, only those issues based on the above modifications to the proposed final order may be addressed.

ORS 536.075 allows for additional appeal rights for other than contested case. 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.

*This document was prepared by Jerry Gainey. 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 503-986-0812.*

*If you have questions about how to file a protest or a request for standing, please refer to section in this Final Order entitled "Hearing and Appeal Rights". If you have previously filed a protest and want to know its status, please contact Mike Reynolds 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.*

**Oregon Water Resources Department  
Water Rights Division**

Water Rights Application  
Number G-15800

**Proposed Final Order**

Prior to issuance of a permit, recording fees in the amount of \$250.00 must be submitted to the Department. Further, approval of the location for Wells #5, #6, and #10 or any proposed well(s) must be obtained. In order to increase Department efficiency and expedite the processing of your application, please submit the necessary fees and request for approval of the well locations prior to the protest deadline of **April 9, 2004**. Please include your application number on your check made out to the Oregon Water Resources Department. If this fee is not paid or approval obtained for the location of the wells prior to **April 9, 2004**, issuance of a permit will be delayed.

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

*Application History*

On July 17, 2002, Van Duyn Land Co. LLC, submitted an application to the Department for the following water use permit:

- Amount of Water: 0.998 cubic foot per second (CFS)
- Use of Water: Group Domestic for 27 households
- Source of Water: Six wells in Daniels Creek Basin
- Area of Proposed Use: Lane County within Section 34, Township 16 South, Range 4 West, W.M.

On August 29, 2003, the Department mailed the applicant notice of its Initial Review, determining that "*The use of 0.09 cubic foot per second from five wells in Daniels Creek Basin for group domestic for twenty-seven (27) households is allowable year-round; the irrigation of ½ acre per household is allowable March 1 through October 31.*" The applicant did not notify the Department to stop processing the application within 14 days of that date.

On September 2, 2003, 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:

- comments by or consultation with another state agency
- 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*

On January 7, 2003, the applicant withdrew Wells #1 and #3 from this application. The remaining wells to be considered include existing Well #2 and proposed Wells #5, #6, and #10. On September 25, 2003, a new map was submitted as requested in the Department's initial review determinations. The map submitted only reflected the location of 3 wells and did not accurately reflect the number or location of the wells. A new map was requested and was received by the Department on January 26, 2004. The new map reflected Well #1, Well #2, Well #3, and Well #4. In the initial review it was stated that prior to beginning construction of wells #4, #5, #6 and #10 and obtaining a permit the applicant shall request approval in writing of the proposed locations from the Department. Based upon the information provided on the map received on January 26, 2004, and the initial review determination, Well #2 will be considered as the source under this application, G-15800.

The Willamette Basin Program allows the use of water for group domestic.

Well #2 in Daniels Creek Basin is not within or above a State Scenic Waterway.

The Groundwater Section finds, per OAR 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 for Well #2

The Department determined, consistent with OAR 690-09-040, 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 the following factors:

- (a) Whether there is hydraulic connection from the proposed well(s) to any surface water sources.
- (b) Whether or not the point of appropriation is a horizontal distance less than one-fourth mile from the surface water source;
- (c) Whether or not 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) Whether or not 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) Whether 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.
- (f) Whether there is the potential for a reduction in streamflow or surface water supply; or
- (g) Whether there is the potential to impair or detrimentally affect the public interest as expressed by an applicable closure on surface water appropriation, minimum perennial streamflow, or instream water right with a senior priority date; or
- (h) The percentage of the ground water appropriation that was, or would have become, surface water; or
- (i) Whether potential interference would be immediate or delayed; or
- (j) The potential for a cumulative adverse impact on streamflow or surface water supply.

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. In reviewing this application (a) was met but neither (b), (c), (d) or (e) were met.

When reviewing elements (f) through (j) the Department found the following:

- (f) The potential to reduce surface water availability in nearby streams is low. The basis for this finding is the deep aquifer should not have much impact on nearby unnamed tributary as water levels are below stream level.
- (g) The potential to impair or detrimentally affect the public interest as expressed by an applicable closure on surface water appropriation, minimum perennial streamflow, or instream water right with a senior priority date was found to be very low during the year. The basis for this finding is Well 2 will have very low impact on the unnamed tributary to Daniels Creek because of the deeper production zone is below stream level close to well.
- (h) The percentage of appropriation in the first year of use that will be at the expense of surface water will be 30%. The basis for this finding is the distance to streams is short for shallow aquifer, ground water gradient is toward stream.
- (i) The timing of the interference will be immediate. The basis for this finding is distance to streams is short, shallow nature of aquifer, limited resource.
- (j) The Department was not able to determine whether there was the potential for a cumulative adverse impact on streamflow or surface water supply.

After considering elements (f) through (j), and taking into consideration the size of the proposed appropriation, the water availability in any nearby surface water sources and whether any of these surface water sources have been legislatively withdrawn, the Department found that there is no potential for substantial interference. Because there is no potential for substantial interference, there is no need to consider surface water issues.

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

On November 20, 2003, the applicant requested and reasonably demonstrated a need of 0.3 CFS. However, the well log provided for Well #2 indicates the well will produce 0.13 CFS (60.0 gallons per minute). Therefore, the Department finds that the amount of water shall be restricted to 0.13 CFS.

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

If the applicant determines to pursue drilling of wells #5, #6 and #10 or any proposed well(s) the following applies:

Prior to beginning construction of wells #5, #6 and #10 or any proposed well(s) the permittee shall request approval in writing of the proposed locations from the Department.

Wells #5, #6 and #10 or any proposed well(s) shall be completed in the deep aquifer within the marine sediments. The permittee shall submit, in writing, a rough well log and a proposed construction design for approval by the Department Hydrogeologist Marc Norton or the Ground Water/Hydrology Section Manager. If the wells are constructed first and then the request made, it shall not be granted. The special construction standards for all additional wells depth shall be incorporated into the permit and any certificate issued for application G-15800.

Additional conditions may be included after the receipt of a new map reflecting the location of the existing well #2 and for proposed wells #5, #6, and #10 or any proposed well(s).

*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 Willamette Basin Plan, 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.

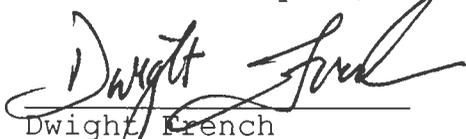
The Department therefore concludes that water is available in the amount necessary for the proposed use; the proposed use will not result in injury to existing water rights; and the proposed use would ensure the preservation of the public welfare, safety and health as described in ORS 537.525.

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 February 24, 2004

  
Dwight French  
Water Rights Section Manager

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

*Protest Rights and Standing*

Under the provisions of 537.621(7), you have the right to protest this proposed final order. Your protest 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 \$250 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 537.621(6), persons other than the applicant who support a proposed final order may request standing for purposes of participating in any contested case proceeding on the proposed final order or for judicial review of a final order. A request for standing shall be in writing, include a statement that the requester supports the proposed final order, and a statement of how the requester would be harmed if the proposed final order is modified. The fee required at the time of submitting this request is \$50.00. If a hearing is scheduled, an additional fee of \$200.00 must be submitted along with a request for intervention. Forms to request standing are available from the Department.

Your protest or request for standing must be received in the Water Resources Department no later than **April 9, 2004**.

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 if

- 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 Jerry Gainey. 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 503-986-0812.*

*If you have questions about how to file a protest or if you have previously filed a protest and want to know the status, please contact Renee Moulun at 503-986-0824.*

*If you have other questions about the Department or any of its programs please contact our Water Rights Information 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 97301-1271, Fax: 503-986-0901.*

Gaineyjw- WEEK 448

DRAFT

This is not a permit.

DRAFT

STATE OF OREGON

COUNTY OF LANE

DRAFT PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS DRAFT PERMIT IS HEREBY ISSUED TO

VAN DUYN LAND CO. LLC  
33401 VAN DUYN RD  
EUGENE, OREGON 97401

(541) 343-0323

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

APPLICATION FILE NUMBER: G-15800

SOURCE OF WATER: WELL 2 IN DANIELS CREEK BASIN

PURPOSE OR USE: GROUP DOMESTIC FOR 27 HOUSEHOLDS

MAXIMUM CUMULATIVE TOTAL: 0.13 CUBIC FOOT PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: JULY 17, 2002

WELL LOCATION: WELL #2: SE ¼ SE ¼, SECTION 34, T16S, R3W, W.M.; 43 DEGREES NORTH 01 MINUTES 28 SECONDS WEST 1813.51 FEET FROM SE CORNER, SECTION 34

THE PLACE OF USE IS LOCATED AS FOLLOWS:

SW ¼ NE ¼  
SE ¼ NE ¼  
NE ¼ SE ¼  
SE ¼ SE ¼  
SECTION 34  
SW ¼ NW ¼  
NW ¼ SW ¼  
SW ¼ SW ¼  
SECTION 35

TOWNSHIP 16 SOUTH, RANGE 4 WEST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order.

- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.
- C. The Director may require the permittee to keep and maintain a record of the amount (volume) of water used and may require the permittee to report water use on a periodic schedule as established by the Director. In addition, the Director may require the permittee to report general water use information, the periods of water use and the place and nature of use of water under the permit. The Director may provide an opportunity for the permittee to submit alternative reporting procedures for review and approval.

Prior to beginning construction of wells #4, #5, #6 and #10 or any proposed well(s) the permittee shall request approval in writing of the proposed locations from the Department.

**Wells #5, #6 and #10 or any proposed well(s) shall be completed in the deep aquifer within the marine sediments.** The permittee shall submit, in writing, a rough well log and a proposed construction design for approval by the Department Hydrogeologist Marc Norton or the Ground Water/Hydrology Section Manager. If the wells are constructed first and then the request made, it shall not be granted. The special construction standards for all additional wells depth shall be incorporated into the permit and any certificate issued for application G-15800.

Additional conditions may be included after the receipt of a new map reflecting the location of the existing well #2 and for proposed wells #5, #6, and #10 or any proposed well(s).

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.

**Limited Water Level Decline/Interference Condition**

To monitor the effect of water use from the well(s) authorized under this permit, the Department requires the water user to make and report annual static water level measurements. The static water level shall be measured in the month of **March**. Reports shall be submitted to the Department within 30 days of measurement.

Measurements must be made according to the following schedule:

**Before Use of Water Takes Place**

Initial and Annual Measurements

The Department requires the permittee to submit an initial water level measurement in the month specified above once well construction is complete and annually thereafter until use of water begins; and

**After Use of Water has Begun**

Seven Consecutive Annual Measurements

Following the first year of water use, the user shall submit seven consecutive annual reports of static water level measurements. The first of these seven annual measurements will establish the reference level against which future annual measurements will be compared. Based on an analysis of the data collected, the Director may require that the user obtain and report additional annual static water level measurements beyond the seven year minimum reporting period. The additional measurements may be required in a different month. If the measurement requirement is stopped, the Director may restart it at any time.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board and be submitted to the Department on forms provided by the Department. The Department requires the individual performing the measurement to:

- (A) Identify each well with its associated measurement; and
- (B) Measure and report water levels to the nearest tenth of a foot as depth-to-water below ground surface; and
- (C) Specify the method used to obtain each well measurement; and
- (D) Certify the accuracy of all measurements and calculations submitted to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if annual water level measurements reveal any of the following events:

- (A) An average water level decline of 3 or more feet per year for five consecutive years; or
- (B) A water level decline of 15 or more feet in fewer than five consecutive years; or
- (C) A water level decline of 25 or more feet; or
- (D) Hydraulic interference leading to a decline of 25 or more feet in any neighboring well with senior priority.

The period of non or restricted use shall continue until the annual water level rises above the decline level which triggered the action or until the Department determines, based on the permittee'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. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

#### **STANDARD CONDITIONS**

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

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

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

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

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best

practical technologies or conservation practices to achieve this end.

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

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

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

Complete application of the water to the use shall be made on or before October 1, 2008. 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 \_\_\_\_\_, 2004

**DRAFT - THIS IS NOT A PERMIT**

\_\_\_\_\_  
Paul R. Cleary, Director  
Water Resources Department

REAL ESTATE TRANSACTIONS: Pursuant to ORS 537.330, in any transaction for the conveyance of real estate that includes any portion of the lands described in this permit, the seller of the real estate shall, upon accepting an offer to purchase that real estate, also inform the purchaser in writing whether any permit, transfer approval order, or certificate evidencing the water right is available and that the seller will deliver any permit, transfer approval order or certificate to the purchaser at closing, if the permit, transfer approval order or certificate is available.

CULTURAL RESOURCES PROTECTION LAWS: Permittees involved in ground-disturbing activities should be aware of federal and state cultural resources protection laws. ORS 358.920 prohibits the excavation, injury, destruction or alteration of an archeological site or object, or removal of archeological objects from public and private lands without an archeological permit issued by the State Historic Preservation Office. 16 USC 470, Section 106, National Historic Preservation Act of 1966 requires a federal agency, prior to any undertaking to take into account the effect of the undertaking that is included on or eligible for inclusion in the National Register. For further information, contact the State Historic Preservation Office at 503-378-4168, extension 232.





# 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

February 17, 2011

Diamond Ridge Water Association  
P.O. Box 8411  
Coburg, Oregon 97408-1306

Reference: Application G-15800, Permit G-16016

The assignment from Van Duyn Land Company, LLC to Diamond Ridge Water Association has been recorded in the records of the Water Resources Department.

Our records have been changed accordingly and the original request is enclosed. Receipt number 102278 covering the recording fee of \$75 is also enclosed.

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

Sincerely,

Jerry Sauter  
Water Rights Program Analyst

Enclosure: Receipt 102278

cc: Watermaster 2  
Van Duyn Land Company, LLC  
Data Center, OWRD (Complete Copy of Assignment Request)  
Hydrographics  
File

**690-502-0010**

**Definitions**

As used in this rule, unless the context requires otherwise:

(8) "Domestic Use" includes domestic use, domestic use expanded and group domestic, as defined in OAR 690-011.

**Herb Mosgar**

---

**From:** amothfam [amothfam@proaxis.com]  
**Sent:** Thursday, February 03, 2011 11:22 AM  
**To:** Herb Mosgar  
**Subject:** permit extension

Herb,

I am a CWRE who has been casually assisting a homeowner association group located near Coburg. My daughter and family reside in this subdivision and I made them aware of possible issues with their water rights permit (G 16016) that should be taken care of. I discussed this briefly with you in November and have a Nov. 6<sup>th</sup> email from you offering to provide assistance when I needed it.

The homeowner association has now engaged me to assist them with the submittal of a Permit Extension Application. I have had an initial meeting and reviewed their limited files, and based upon what I've seen have identified a number of questions I would like to run by you or someone else if you are not directly involved in these types of GW permit extension applications.

I would like to chat with you, in any case, about what steps need to be taken to correct the water use classification ( Group Domestic for 27 households) that was initially assigned in the Permit.

Thanks for your assistance. My cell number is 541-760-2348.

Alan Amoth

## Herb Mosgar

---

**From:** amothfam [amothfam@proaxis.com]  
**Sent:** Monday, November 08, 2010 11:39 AM  
**To:** Herb Mosgar  
**Subject:** FW: application copy  
**Subject:** application copy

APPLIC # G-15800  
PERMIT # G-16016

Herb,

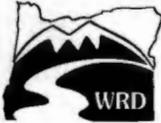
I attended the CWRE workshop in Salem last week and see your name listed in the "who to contact at WRD" list included in our handout material.

I have one quick question that I hope you can help with about a previously submitted permit application. I am looking for a copy of an application, G-15800, that I believe was submitted in 2002. The subsequent permit, G-16016, was issued 2/16/2006. I checked the WRIS and downloaded the permit but the system indicates that the application is not available. Can you give me a hint as to how I can get a copy of this application?

Thanks for your help.

Alan Amoth, CWRE

- ① MORE LOTS YET TO BE DEVELOPED
- ② NOW KNOWN LEGALLY AS A HOMEOWNERS ASSOC.
- ③ POSSIBLE FOLLOW-UP LETTER.
- ④ LOTS OF IRRIGATION TAKING PLACE.



State of Oregon  
**Water Resources Department**  
 158 12th Street NE, Salem, OR 97310  
 (503)378-8455 • (800)624-3199  
 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. Thank you.

RECEIVED

JUL 17 2002

WATER RESOURCES DEPT.  
 SALEM, OREGON

## 1. APPLICANT INFORMATION

### A. Individuals

Applicant: N/A  
First Last

Co-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: VAN DUYN LAND CO., LLC

**Mail all correspondence to:**

Name and title of person applying: BILL KLOOS, LEGAL COUNSEL

Bill Kloos

Mailing address of organization: 33401 VAN DUYN ROAD

Law Office of Bill Kloos, PC

PO Box 11906

Eugene, OR 97440

EUGENE OR 97401  
City State Zip

Phone: (541) 343-0323 (541) 343-8596  
Day Evening

\*Fax: (541) 343-8702 \*E-Mail address: BILLKLOOS@CONTINET.COM

*\*Optional information*

For Department Use		
App. No. _____	Permit No. _____	Date _____

RECEIVED  
JUL 17 2002  
WATER RESOURCES DEPT.  
SALEM, OREGON

**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.

List the names and mailing addresses of all affected landowners.\*

STATE OF OREGON, DEPARTMENT OF TRANSPORTATION  
-----  
ATTN: TERRY THAMES  
-----  
644 "A" STREET, SPRINGFIELD, OR 97477  
-----  
(541) 726-2552  
-----  
-----  
-----

*\*If more than 25 landowners are involved, a list is not required. See instructions.*

**3. GROUND WATER DEVELOPMENT**

A. Number of well(s): 6 B. Name of nearest surface water body: DANIELS CREEK

C. Distance from well(s) to nearest stream or lake: 1) 4200 FEET  
2) 4800 FEET 3) 5000 FEET 4) wells 4, 5 and 6: Unknown

D. If distance from surface water is less than one mile, indicate elevation difference between nearest surface water and well head. 1) 200 FEET  
2) 180 FEET 3) 205 FEET 4) wells 4, 5 and 6: unknown

**E. 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: 3 wells existing. 3 wells to be constructed by Casey Jones. See Section 7.

Address: Casey Jones Well Drilling Co., 37115 Immigrant Road, Pleasant Hill, OR 97455

Completion date: June 1, 2003

2. 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
1	N/A	well logs provided							
2	N/A	wells logs provided							
3	N/A	well logs provided							
4	Future well	to be developed							
5	Future well	to be developed							
6	Future well	to be developed							

**F. Artesian Flows**

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

N/A

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**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: 27 *SEE Section 7*
- 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
- If your proposed use is **commercial/industrial**, attach Form Q



**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)
1	N/A (well log provided)				
2	N/A (well log provided)				
3	N/A (well log provided)				
4, 5 and 6	well logs to be provided when drilled				

**C. Maximum Rate of Use Requested**

What is the maximum, instantaneous rate of water that will be used? 448 ~~500~~ 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: N/A - continuous use  
 (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: up to 1/2 ACRE PER lot. SEE Section 7.  
 (This number should be consistent with you 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) 4 hp submersible pump
- 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) Via Community Water System  
 Diameter See Section 7 Length See Section 7
- Other (describe) \_\_\_\_\_



**C. Application/Distribution Method**

What equipment will you use to apply water to your place of use? Group Domestic Use - with lawn or non-commercial garden watering of not more than 1/2 acre. See Section 7.

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

- Flood
- Drip
- Hand lines
- Siphon tubes or gated pipe with furrows
- Other, describe other accepted watering methods.
- High-pressure sprinkler
- Water cannons
- Wheel lines
- Low pressure sprinkler
- Center pivot system

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.

Applicant has chosen to establish a community water system (CWS) instead of individual wells.

CWSs promote conservation through monitoring and fees. Please see Attachment B - "Letter in Support."

**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 August 1, 2002

Proposed date construction will be completed August 1, 2003

Proposed date beneficial water use will begin August 2, 2003

**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.*

3.E. - Three wells are existing and well logs have been provided; three additional wells are proposed.

4.A. - The proposed use is "group domestic." A Land Use Information form has been provided. No additional forms are necessary.

4.B. - Well logs are provided for wells 1, 2 and 3. Well logs will be provided for wells 4, 5 and 6 when drilled.

4.E. and 5.C. - The use is "group domestic" with watering of lawn or non-commercial garden up to 1/2 acre per lot.

5.B. - size and length vary. Please see Community Water System Map (Attachement C)



## 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. *SEE Exhibit A.*

## 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:

Signature of Applicant

Date

*See above*  
ATTN FOR RANDUM LANDCO, LLC

7-15-02

Signature of Co-applicant

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.

RECEIVED

JUL 17 2002

WATER RESOURCES DEPT.  
SALEM, OREGON



IR CHECKLIST

Application #: G 15800  
County LANE Basin: Willamette WAB: NA  
Township 16S Range 30W/4W Section 34/34 1/4 1/4 See Map

- 10. Groundwater Review A B  C D River/Stream Name \_\_\_\_\_  
 a. Groundwater Availability A B  C  
 b. Is the well located in a GWLA or CGWA or T1N R3E? (If applicable, include map with POD) Y /  N
- 25. Use GO Priority Date(s) 7/17/02 (If muni or quasi-muni use send to Doug Parrow)
- 30. Allowed under Basin Program  Y  N Limitations? Y  N OAD 696-502-0160
- 40. Withdrawn? Y  N season allowed \_\_\_\_\_
- 45. Basin Maps have been checked. Y / N River Mile NA
- 50. SWW Y /  N (if Y notify state parks)
- 60. Surface water Availability (80% live flow / 50% storage) NA
- 70. Divis 33: Y / N /  NA Above Bonn Y / N Not allowed April 15 - September 30 Y / N  
 Below Bonn Y / N If Y add PISPC  
 Statewide Y / N  
27 = 15 H/H = 0.04 CFS + 12 Add H/H = 0.03
- 80. Rate DOM Duty DOM Rate: Max 0.07 CFS Req 0.30 CFS  
 Season: Normal YR Req YR
- 90. B.O.R. or Doug Co. project Y /  N contract # \_\_\_\_\_
- 100. Small ( $\leq 0.1$ cfs,  $\leq 9.2$ AF),  Medium ( $\geq 0.1$  or  $< 1.5$ cfs,  $> 9.2$  or  $< 100$ AF, Contract Stored Water) or Large ( $\geq 1.5$  cfs,  $\geq 100$  AF) condition 7I and municipal require the Large conditions 7A & 7D See memo - 1/13/03
- 110. Land use approval  OK needs approval county notified NA
- 120. Watermaster Dist: (1  2) 16 18 20 - NWR) (3 4 5 21 - NCR) (6 8 9 10 - ER) (11 12 17 - SCR) (13 14 15 19 - SWR)
- 125. Conflict? Yes  No
- 130. per interactive mapping DOA Y /  N (NO COPY TO PAUL MEASLES) 303D Y / N /  NA CTUIR Y /  N  
 (Check DOA map to determine if Y / N)
- 140. within Oregon Streamflow Restoration Area? Y / N /  NA
- 150. Letter format =  Good = Limited = Bad = Bad w/ IRshort = Bad w/ HC Opportunity
- 155. Attach basin map indicating point of diversion?
- 160. CWRE, representative, etc. to notify? Y / N DDOT ATTN: TERRY THAMES 644 A ST, SPRINGFIELD 97477  
Michael J. Kaiser, PAGE ENGINEERING & SURVEYING, PO BOX 2527, EUGENE 97402

Need a new map reflecting dimensions of wells.

Name: JERRY GAINEY Date: 8/14/03 c:\myfiles\forms\checkirnew 5/9/03

The purpose of this checklist is to be used as a working document by Department staff to aid in the production of the related Initial Review, Proposed Final Order, or Final Order. It is not intended to be a complete record of all factors which were considered to produce the document, nor is it intended to serve any purpose other than that stated above. The related Initial Review, Proposed Final Order, or Final Order is intended to stand alone as the record of factors considered in its production.

PFO CHECKLIST

APPLICATION # G-15800

SAVE IN PFO WORK WEEK: 430

10. IR Date 8/29/03 Public Notice Date 9/2/03 Comment Rec'd NO

20. Filed after 10/23/99?  N (if N A date should be included)

Changes from IR determinations: \_\_\_\_\_

Agencies and Additional People to Notify: \_\_\_\_\_

30. Shortcomings preventing PFO, FO, or permit? Y /  N Should process continue  N

40. Is second groundwater review complete? Y /  N necessary? Y /  N

50. IR identifies as on DEQ 303d List? Y / N /  NA Comments received? Y / N

Initials: JWG Date: 10/10/03

Revised 3/7/02

FEEES:	EXAM:	<u>250</u>
	Q	<u>150</u>
	SUBTOTAL	<u>400</u>
	RECORD	<u>250</u>
	TOTAL	<u>650</u>
	PD	<u>400</u>
<u>LOWE</u>	REFUND	<u>250</u>

# Analysis for Application: G15800

**Location: 16S-3W-34-NESE**

Uses: GD P

**Basins**

BASIN_NUM	BASIN_NAME
2	Willamette

**Records Found: 1**

**WaterMaster Districts**

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY
2	NW	4068592	6357	Mike Mattick	Central Lane Justice Court, 220 North Fifth	Springfield

**Records Found: 1**

**WAB**

BASIN	WID	LINK1	LINK2
2	30200303	Water Availability: 50% 80%	Flood Frequency Analysis

**Records Found: 1**

**County**

COUNTY	FIPS
Lane	41039

**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**

**303D Streams Records Found: 0**

**303D Lakes Records Found: 0**

**Location: 16S-3W-34-NWSE**

Uses: GD P

**Basins**

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

**WaterMaster Districts**

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY
2	NW	4068592	6357	Mike Mattick	Central Lane Justice Court, 220 North Fifth	Springfield

Records Found: 1

**WAB**

BASIN	WID	LINK1	LINK2
2	30200303	Water Availability: 50% 80%	Flood Frequency Analysis

Records Found: 1

**County**

COUNTY	FIPS
Lane	41039

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

**303D Streams Records Found: 0**

**303D Lakes Records Found: 0**

**Location: 16S-3W-34-SESE**

Uses: GD P

**Basins**

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

**WaterMaster Districts**

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY
2	NW	4068592	6357	Mike Mattick	Central Lane Justice Court, 220 North Fifth	Springfield

Records Found: 1

**WAB**

BASIN	WID	LINK1	LINK2
2	30200303	Water Availability: 50% 80%	Flood Frequency Analysis

Records Found: 1

**County**

COUNTY	FIPS
Lane	41039

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

**303D Streams Records Found: 0**

**303D Lakes Records Found: 0**

**Location: 16S-3W-34-SWSE**

Uses: GD P

**Basins**

BASIN_NUM	BASIN_NAME
2	Willamette

**Records Found: 1**

**WaterMaster Districts**

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY
2	NW	4068592	6357	Mike Mattick	Central Lane Justice Court, 220 North Fifth	Springfield

**Records Found: 1**

**WAB**

BASIN	WID	LINK1	LINK2
2	30200303	Water Availability: 50% 80%	Flood Frequency Analysis

**Records Found: 1**

**County**

COUNTY	FIPS
Lane	41039

**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**

**303D Streams Records Found: 0**

**303D Lakes Records Found: 0**

### Location: 16S-3W-34-NESW

Uses: GD P

#### Basins

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

#### WaterMaster Districts

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY
2	NW	4068592	6357	Mike Mattick	Central Lane Justice Court, 220 North Fifth	Springfield

Records Found: 1

#### WAB

BASIN	WID	LINK1	LINK2
2	30200303	Water Availability: 50% 80%	Flood Frequency Analysis

Records Found: 1

#### County

COUNTY	FIPS
Lane	41039

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

303D Streams Records Found: 0

303D Lakes Records Found: 0

**Location: 16S-3W-34-SESW**

Uses: GD P

**Basins**

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

**WaterMaster Districts**

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY
2	NW	4068592	6357	Mike Mattick	Central Lane Justice Court, 220 North Fifth	Springfield

Records Found: 1

**WAB**

BASIN	WID	LINK1	LINK2
2	30200303	Water Availability: 50% 80%	Flood Frequency Analysis

Records Found: 1

**County**

COUNTY	FIPS
Lane	41039

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

**303D Streams Records Found: 0**

**303D Lakes Records Found: 0**

**Location: 16S-4W-34-SENE**

Uses: GD P

**Basins**

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

**WaterMaster Districts**

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY
2	NW	4068592	6357	Mike Mattick	Central Lane Justice Court, 220 North Fifth	Springfield

Records Found: 1

**WAB**

BASIN	WID	LINK1	LINK2
2	30200321	Water Availability: 50% 80%	Flood Frequency Analysis

Records Found: 1

**County**

COUNTY	FIPS
Lane	41039

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

**303D Streams Records Found: 0**

**303D Lakes Records Found: 0**

**Location: 16S-4W-34-SWNE**

Uses: GD P

**Basins**

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

**WaterMaster Districts**

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY
2	NW	4068592	6357	Mike Mattick	Central Lane Justice Court, 220 North Fifth	Springfield

Records Found: 1

**WAB**

BASIN	WID	LINK1	LINK2
2	30200321	Water Availability: 50% 80%	Flood Frequency Analysis

Records Found: 1

**County**

COUNTY	FIPS
Lane	41039

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

**303D Streams Records Found: 0**

**303D Lakes Records Found: 0**

**Location: 16S-4W-34-SENW**

Uses: GD P

**Basins**

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

**WaterMaster Districts**

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY
2	NW	4068592	6357	Mike Mattick	Central Lane Justice Court, 220 North Fifth	Springfield

Records Found: 1

**WAB**

BASIN	WID	LINK1	LINK2
2	30200321	Water Availability: 50% 80%	Flood Frequency Analysis

Records Found: 1

**County**

COUNTY	FIPS
Lane	41039

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

**303D Streams Records Found: 0**

**303D Lakes Records Found: 0**

# Platcard Report

## Township 16.0S Range 3.0W Section 34

					NE				NW				SW				SE					
App# Priority	Permit/ Certificate	Claim/ Decree	Status dlc/lot		NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Govt Lot	DLC
<b>i</b>	- 02/09/1939	S17510 51599		CN xfr#: T2732 dlc: 37							9.7 IR CN			10.2 IR CN								
	02/09/1939			CN xfr#: T2732 dlc: 62							1.1 IR CN											
<b>i</b>	- 02/09/1939	S17510 68346		CN xfr#: T7005 dlc: 37							9.7 IR CN			10.2 IR CN								
	02/09/1939			CN xfr#: T7005 dlc: 62							1.1 IR CN											
<b>i</b>	- 02/09/1939	S17510 75226		CN see transfers dlc: 37							9.7 IR CN			10.2 IR CN								
	02/09/1939			CN see transfers dlc: 62							1.1 IR CN											
<b>i</b>	- 02/09/1939	S17510 76399		CN xfr#: T7377 dlc: 37							9.7 IR CN			10.2 IR CN								
	02/09/1939			CN xfr#: T7377 dlc: 62							1.1 IR CN											
<b>i</b>	- 02/09/1939	S17510 76691		xfr#: T7161 dlc: 37							9.7 IR			10.2 IR								
	02/09/1939			xfr#: T7161 dlc: 62							1.1 IR											

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*Paul R. Cleary, Director*

Oregon Water Resources Department • 158 12th ST. NE • Salem, OR 97310 • Phone: (503)378-8455 • Fax: (503)378-2496

# Platcard Report

## Township 16.0S Range 3.0W Section 34

					NE				NW				SW				SE					
	App# Priority	Permit/ Certificate	Claim/ Decree	Status dlc/lot	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Govt Lot	DLC
<b>i</b>	- -	S50921 75228		CN see transfers dlc: 37							11.5 IR CN			21.4 IR CN	21.5 IR CN							
	-			CN see transfers dlc: 62					1.5 IR CN	25.5 IR CN	15.3 IR CN	1.7 IR CN										
<b>i</b>	- -	S50921 75439		xfr#: T7230 dlc: 37							11.5 IR			21.4 IR	21.5 IR							
	-			xfr#: T7230 dlc: 62					1.5 IR	25.5 IR	15.3 IR	1.7 IR										
<b>i</b>	G15227 10/09/2000	G14050 -			1.8 IR																	
	10/09/2000				QM																	
<b>i</b>	G15800 07/17/2002	- -											GD			GD	GD	GD	GD	GD	GD	
<b>i</b>	R75660 01/01/1993	- 69698				FP																
	01/01/1993					LW																
<b>i</b>	S17802 02/09/1939	S17510 36644		CN dlc: 37							9.7 IR CN			10.2 IR CN								

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Run Time: 3 seconds

# Platcard Report

## Township 16.0S Range 3.0W Section 34

					NE				NW				SW				SE					
App# Priority	Permit/ Certificate	Claim/ Decree	Status dlc/lot		NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Govt Lot	DLC
<b>i</b> S17802 02/09/1939	S17510 36644		CN dlc: 62								1.1 IR CN											
<b>i</b> S68824 -	S50921 68365		CN dlc: 37								11.5 IR CN			21.4 IR CN	21.5 IR CN							
-			CN dlc: 62						1.5 IR CN	25.5 IR CN	15.3 IR CN	1.7 IR CN										

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Run Time: 1 seconds

# Platcard Report

## Township 16.0S Range 4.0W Section 34

					NE				NW				SW				SE					
	App# Priority	Permit/ Certificate	Claim/ Decree	Status dlc/lot	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Govt Lot	DLC
<b>i</b>	- 04/30/1940	-	GR2750		8.0 IR	4.0 IR																
<b>i</b>	- 12/31/1952	-	GR3678				4.5 IR	3.0 IR									6.0 IR	8.6 IR				
<b>i</b>	- 12/31/1952	-	GR4216				4.5 IR	3.0 IR									6.0 IR	8.6 IR				
<b>i</b>	G864 02/14/1958	G766 28085		dlc: 41													8.8 IR				23.6 IR	
<b>i</b>	G3630 04/05/1967	G3413 38463		dlc: 40												17.2 IR			20.4 IR	5.7 IR		
<b>i</b>	G3956 06/05/1967	G3712 40987		dlc: 43	3.8 IR	8.4 IR																
	06/05/1967			dlc: 44	5.8 IR	13.1 IR																
<b>i</b>	G8996 07/03/1979	G8606 60434		dlc: 44	14.4 IR	19.1 IR																
	07/03/1979			dlc: 44	4.7 IS (s)	10.4 IS (s)																
<b>i</b>	G10841 01/31/1983	G10369 64990								24.0 IS (s)	32.4 IS (s)											

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*Paul R. Cleary, Director*

Oregon Water Resources Department • 158 12th ST. NE • Salem, OR 97310 • Phone: (503)378-8455 • Fax: (503)378-2496

Run Time: 4 seconds

# Platcard Report

## Township 16.0S Range 4.0W Section 34

					NE				NW				SW				SE					
	App# Priority	Permit/ Certificate	Claim/ Decree	Status dlc/lot	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Govt Lot	DLC
<b>i</b>	G10841 01/31/1983	G10369 64990		dlc: 43		2.8 IS (s)	15.6 IS (s)		0.4 IS (s)			8.2 IS (s)	4.0 IS (s)					4.1 IS (s)				
	01/31/1983			lot: 1					23.2 IS (s)													
	01/31/1983			lot: 2								31.0 IS (s)										
	01/31/1983			lot: 3									17.2 IS (s)									
	01/31/1983			lot: 4									16.0 IS (s)									
<b>i</b>	G15800 07/17/2002	- -					GD	GD				GD										
<b>i</b>	R64817 01/31/1983	R9852 65037								IR												
<b>i</b>	S35037 06/14/1961	S27441 -			MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU		
<b>i</b>	S64818 01/31/1983	S48474 65038								24.0 IR	32.4 IR											
	01/31/1983			dlc: 43		2.8 IR	15.6 IR		0.4 IR			8.2 IR	4.0 IR									

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*Paul R. Cleary, Director*

Oregon Water Resources Department • 158 12th ST. NE • Salem, OR 97310 • Phone: (503)378-8455 • Fax: (503)378-2496

Run Time: 4 seconds

# Platcard Report

## Township 16.0S Range 4.0W Section 34

					NE				NW				SW				SE						
App# Priority	Permit/ Certificate	Claim/ Decree	Status dlc/lot		NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Govt Lot	DLC	
<b>i</b> S64818 01/31/1983	S48474 65038		lot: 1						23.2 IR														
01/31/1983			lot: 2									31.0 IR											
01/31/1983			lot: 3										17.2 IR										
01/31/1983			lot: 4											16.0 IR									
01/31/1983			dlc: 43 lot: 4															4.1 IR					

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*Paul R. Cleary, Director*

Oregon Water Resources Department • 158 12th ST. NE • Salem, OR 97310 • Phone: (503)378-8455 • Fax: (503)378-2496

Run Time: 2 seconds

## HOW MUCH WATER IS NEEDED?

In making estimates of quantity of water which would be needed, the following approximations are offered for various purposes around homes or farms. It is always well to exceed rather than cut down on these quantities, so that the equipment you install for your customer will meet all emergencies when several outlets are used at once.

### Approximate Flow of Water per Minute Through Average Fixtures

Shower Bath	5 gallons per minute
Tub Bath	10 gallons per minute
Lavatory	5 gallons per minute
Tank Closet	5 gallons per minute
Valve Closet	30 gallons per minute
Kitchen Sink	10 gallons per minute
Laundry Tub	10 gallons per minute
Flowing Drinking Fountain	1½ gallons per minute
Garden Hose, 3/4" nozzle	5 gallons per minute

### Average Quantity of Water Required for Different Services Supplied by Water Supply Systems

Each member of family	50 gallons per day
Each horse	12 gallons per day
Each dry cow or steer	12 gallons per day
Each milk cow	35 gallons per day
Each hog	4 gallons per day
Each sheep	2 gallons per day
Chickens, per 100	4 gallons per day

## PRESSURE TABLES, WEIGHTS AND MEASURES

### USEFUL INFORMATION

A U. S. gallon of water weighs 8½ pounds and contains 231 cubic inches. A cubic foot of water weighs 62½ pounds and contains 1728 cubic inches or 7½ gallons. To find English units, deduct 1/6.

Doubling the diameter of a pipe increases its capacity four times. Friction of liquids in pipes increases as the square of the velocity.

The mean pressure of the atmosphere is usually estimated at 14.7 pounds per square inch, so that with a perfect vacuum it will sustain a column of mercury 29.9 inches, or a column of water 33.9 feet high.

To find the pressure in pounds per square inch of a column of water, multiply the height of the column in feet by .434. Approximately, we say that every foot of elevation is equal to one-half pound of pressure per square inch.

To find the diameter of a pump cylinder to move a given quantity of water per minute (100 feet of piston being the standard speed), divide the number of gallons by four, then extract the square root, and the result will be the diameter in inches of the pump cylinder.

To find the quantity of water elevated per minute, running

100 feet of piston, square the diameter of the pump cylinder in inches and multiply by four; the product will be approximately the number of gallons.

To find the horsepower necessary to elevate water to a given height, multiply the total weight of water in pounds by the height in feet and divide the product by 33,000 (approximately).

To find the capacity of a cylinder in gallons, multiply the area in inches by the length of the stroke in inches and divide by 231 the quotient is the capacity in gallons.

To find the number of gallons in a tank, multiply the inside bottom diameter in inches by the inside top diameter in inches, then this product by 34, point off four figures, and the result will be the average number of gallons to one inch in depth of tank

For the circumference of a circle, multiply diameter by 3.1416.

For the diameter of a circle, multiply circumference by .31381.

For the area of a circle, multiply square of diameter by .7854.

For size of an equal square, multiply the diameter by .8862.

For surface of a ball, multiply square of diameter by 3.1416.

For cubic inches in a ball, multiply cube of diameter by .5236.

### FRICITION OF WATER IN PIPES

Friction loss, in pounds pressure per square inch, for each 100 feet of length of various sizes of clean iron pipe, discharging given quantities of water per minute.

Gallons per Minute	Size of Pipe, Inside Diameter, Inches									
	3/4	1	1½	1½	2	2½	3	4	6	8
5	3.5	3.94	0.31	0.12	0.05					
10	13.0	3.16	1.05	0.47	0.12					
15	28.7	6.99	2.38	0.97	0.30	0.11				
20	50.4	12.3	4.07	1.66	0.42	0.15				
25	78.6	19.0	6.40	2.62	0.51	0.21	0.10			
30		27.5	9.15	3.75	0.91	0.33	0.11			
35		37.0	12.4	5.95	1.20	0.45	0.17			
40		48.0	16.1	8.52	1.60	0.52	0.22			
45			20.2	11.5	2.00	0.65	0.28			
50			24.9	15.0	2.44	0.81	0.35	0.09		
75			56.1	22.4	5.32	1.80	0.74	0.17		
100				39.0	9.46	3.20	1.31	0.33	0.05	
125					14.9	4.89	1.99	0.53		
150					21.2	7.00	2.85	0.89	0.10	
175					28.1	9.46	3.85	1.00		
200					37.5	12.47	5.02	1.22	0.17	
250						19.66	7.76	1.89	0.26	0.07
300						28.08	11.2	2.66	0.37	0.09
350							15.2	3.65	0.50	0.12
400							19.5	4.73	0.65	0.16
450							25.0	6.01	0.81	0.20
500							30.8	7.43	0.96	0.25
750									2.21	0.53
1000									3.89	0.84

### WEIGHTS AND MEASURES

#### METRIC SYSTEM

##### Length

1 millimeter	=	.0394 inches
1 centimeter	=	.3937 inches
1 meter	=	39.3728 inches
1 kilometer	=	.6214 miles

##### Weight

1 gram	=	15.4323 grains
1 kilogram	=	2.2046 pounds
1 tonneau	=	2204.55 pounds

##### Dry Measure

1 centiliter	=	.0181 pints
1 liter	=	.908 quarts
1 hectoliter	=	2.837 bushels

##### Liquid Measure

1 centiliter	=	.0211 pints
1 liter	=	1.0567 quarts
1 hectoliter	=	26.4176 gallons

# HOUSEHOLD TYPE USES DEFINED

**Water for residential use can be described several different ways. Each definition allows specific uses to occur. The following list of definitions has been provided for your information, so that you clearly understand what is being proposed.**

## *OAR 690-300-001 Definitions*

*The following definitions apply in OAR Chapter 690, Divisions 15, 310, 320, 330, 340, and 350 and to permits, certificates, or transfers issued under these rules:*

*"Human Consumption" means the use of water for the purposes of drinking, cooking, and sanitation.*

*"Domestic Water Use" means the use of water for human consumption, household purposes, domestic animal consumption that is ancillary to residential use of the property or related accessory uses.*

*"Domestic Use Expanded" means the use of water, in addition to that allowed for domestic use, for watering up to 1/2-acre of lawn or noncommercial garden.*

The following are the amounts of water allowed for the above referenced uses.

### Single Family

Domestic water use:	0.005 CFS (2.24 GPM)
Domestic use expanded:	0.01 CFS (4.48 GPM)
Human consumption:	0.005 CFS (2.24 GPM) (even though the rate is the same for human consumption use and domestic use, less volume of water is used for human consumption use because no water is allowed for such uses as washing your car, or filling a swimming pool.)

### Multiple Family

Group domestic water use:	0.01 CFS (4.48 GPM) for up to 10 families
Group domestic use expanded:	0.01 CFS (4.48 GPM) for 1 or 2 families 0.02 CFS (8.98 GPM) for 3 to 5 families 0.03 CFS (13.5 GPM) for 6 to 10 families

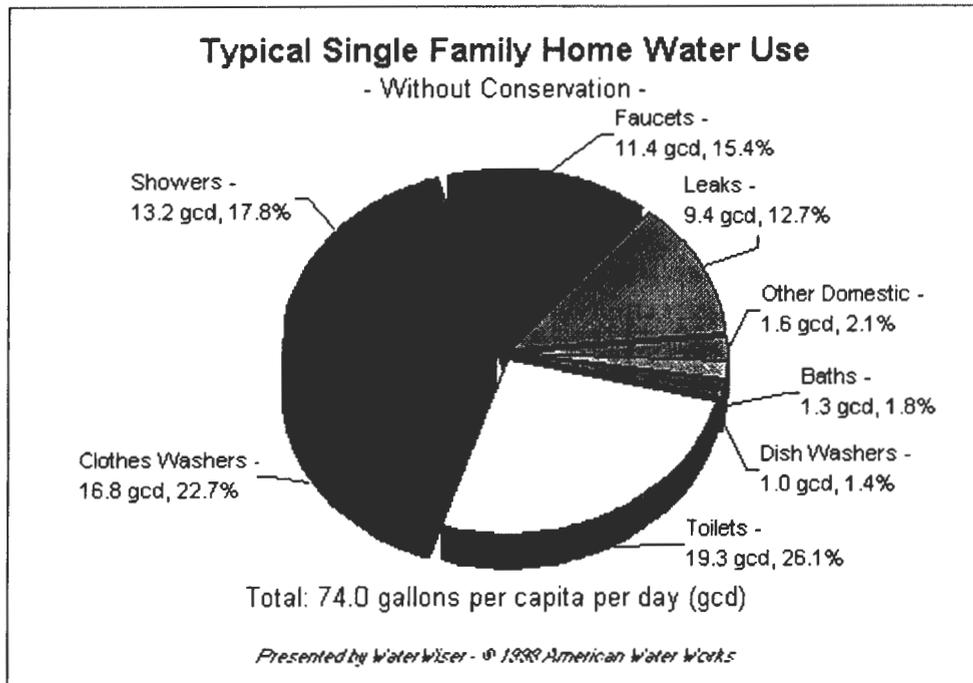
The above listed rates are instantaneous flow rates that may be diverted from a specified source of water. The allowed rate may not be sufficient to satisfy demands during peak usage. **Examples** of peak usage when the allowed rate may not be sufficient for each type of use are:

- human consumption - washing dishes and taking a shower *or* washing clothes and filling a bath
- domestic water use - washing clothes and taking a shower *or* washing dishes and washing a car
- domestic use expanded - watering a lawn and filling the bath *or* washing clothes and watering a garden
- multiple family uses - anytime several families are at home and using water at the same time (which will likely be frequently.)

Because the rate of allowed flow will not likely be adequate to meet peak demands, you may want to install a "surge tank" so that short term storage can augment the instantaneous flow rate to allow the desired usage.

## Water Use Inside the Home -

• **Without Conservation:** Water use in the typical single family home is quite variable and measurement of individual end use events is difficult. The chart below assumes that the typical home has no water conservation fixtures. Water use for such a home amounts to 74.0 gallons per capita (person) per day (gcd). The 74.0 gcd figure is a calculation based on the average value of 69.8 gcd plus an additional 6% (4.2 gcd) to account for existing conservation savings. See [supporting data table](#).



• **With Conservation:** The average home can reduce inside water use by approximately 30% to a total of 51.9 gcd by installing readily available water efficient fixtures/appliances and taking measures to minimize leaks, as shown in the chart below (see [supporting data table](#)). These fixtures/measures include:

- Install ultra-low flush toilets that flush with 1.6 gallons.
- Use showerheads that use no more than 2.5 gallons per minute when wide open.
- Use faucets that flow at 2.2 gallons per minute maximum.
- Replace the more common, less efficient (agitator type) clothes washer with a high efficiency (tumbler type) clothes washer which uses about 30% less water (and 40 - 50% less energy).
- Practice routine common sense leak detection and control for additional savings. Periodically, "zero read" your water meter for leaks and eliminate any leaks found by replacing leaking toilet flappers, worn valve seats, faucet washers and "o" rings, etc., does save water.

THOUGHT YOU MIGHT FIND THIS INTERESTING. I BELIEVE THIS IS TAKING WATER SUPPLIERS. A 4 PERSON HOUSEHOLD WOULD REQUIRE 300 GPD W/O CONSERVATION ACCORDING TO THIS INFORMATION. W/ CONSERVATION A 4 PERSON HOUSEHOLD WOULD REQUIRE 210 GPD (SEE ATTACHED PIE CHART)

$$15000 \div 300 = 50 \text{ HOMES}$$

$$15000 \div 210 = 70 \text{ HOMES}$$

**TABLE 3**  
**NON-IRRIGATION WATER REQUIREMENTS**

Generally, small water systems are designed with a maximum rate of flow which can produce the full peak daily requirement in two hours times. To convert gallons used per day to cfs for use on the application form use the formula listed in the example:

1,000 head of livestock, at 12 gallons per  
day per head; use 12,000 gallons per day.  
The rate of diversion necessary to produce  
12,000 gallons in a 2-hour period is  
 $\frac{12,000 \text{ gallons}}{2 \text{ hrs} \times 60 \text{ min/hr} \times 450 \text{ gpm/cfs}} = 0.23 \text{ cfs}$

Figure the rate to the right of the decimal only two places and always round up to the next higher number.

Establishment or User	Gallons Per Day
Airports (per passenger) .....	3-5
Apartments, multiple family (per resident) .....	60
<b>Camps:</b>	
Construction, semipermanent (per worker) .....	50
Day with no meals served (per camper) .....	15
Luxury (per camper) .....	100-150
Resorts, day and night, with limited plumbing (per camper) .....	50
Tourist with central bath and toilet facilities (per person) .....	35

SOURCE: U.S. Dept. of Health, Education & Welfare, Public Health Service: Manual of Individual Water Supply Systems. Publication No. 24, Washington, D.C., 1962.

TABLE 3. NON-IRRIGATION WATER REQUIREMENTS (Cont.)

Establishment or User	Gallons Per Day
<b>Dwellings:</b>	
Boardinghouses (per boarder) .....	50
Additional kitchen requirements for non- resident boarders .....	10
Luxury (per person) .....	100-150
Multiple family apartments (per resident) .....	40
Roominghouses (per resident) .....	60
Single family (per resident) .....	50-75
Hotels with private baths (2 persons per room) .....	60
Without private baths (per person) .....	50
Institutions other than hospitals (per person) .....	75-125
Hospitals (per bed) .....	250-400
Laundries, self-serviced (gallons per washing; i.e., per customer) .....	50
<b>Livestock (per animal):</b>	
Beef cattle .....	12
Chickens (per 100) .....	5-10
Dairy cattle .....	35
Goat .....	2
Hog .....	4
Horse .....	12
Mule .....	12
Sheep .....	2
Steer .....	12
Turkeys (per 100) .....	10-18
Motels with bath, toilet, and kitchen facilities (per bed space) .....	50
With bed and toilet (per bed space) .....	40
<b>Parks:</b>	
Overnight with flush toilets (per camper) .....	25
Trailers with individual bath units (per camper) .....	50
<b>Picnic:</b>	
With bathhouses, showers, and flush toilets (per picnicker) .....	20
With toilet facilities only (gallons per picnicker) .....	10

**TABLE 3. NON-IRRIGATION WATER REQUIREMENTS (Cont.)**

Establishment or User	Gallons Per Day
Restaurants with toilet facilities (per patron) .....	7-10
Without toilet facilities (per patron) .....	2½-3
With bars and cocktail lounge (additional quantity per patron) .....	2
<b>Schools:</b>	
Boarding (per pupil) .....	75-100
Day with cafeteria, gymnasiums, and showers (per pupil) .....	25
Day with cafeteria but no gymnasiums or showers (per pupil) .....	20
Day without cafeteria, gymnasiums, or showers (per pupil) .....	15
Service stations (per vehicle) .....	10
Stores (per toilet room) .....	400
Swimming pools (per swimmer) .....	10

**APPLICATION G-15800**

Applicant requests the use of 0.3 CFS for group domestic for 27 households (H/H).

Calculations provided by applicant for the 0.3 CFS:

APPLICANT REQUEST	ALLOWED
<p>0.3 CFS Based upon this calculation:</p> <p>150 GPD PER PERSON X 2.7 PER H/H X 27 H/H = 10,935 gpd</p> <p>IRRIGATION OF ½ ACRE PER H/H (13.5 ACRES) AT 2" OF WATER PER WK = 104,745 gpd</p>	<p>0.07 CFS Based upon Dept standard calculation:</p> <p>0.04 CFS for upto 15 H/H and 0.01 CFS for each additional 5 houses equals 0.03 CFS</p> <p>The Department can allow a higher rate if justified. Dept recommendation:</p> <p>75 GPD per person X 2.7 per h/h X 37 h/h = 5468 gpd X 3.4:1 = 18591</p> <p>Irrigation of ½ acre per 27 h/h (13.5 ACRES) at 1" of water per wk = 52,373 gpd X 1.6:1 = 83797</p> <p>18591 + 83797 = 102388 GPD ÷ 24 h/d = 4266 p/h ÷ 60 m/h = 71 p/m ÷ 448.8 gpm = 0.16 CFS</p> <p>By using their ratios against the above calculations equals 0.16 CFS.</p>

## 690-502-0160 - Groundwater Classifications and Conditions

(2) Groundwater Classification: The ground-water resources of the Willamette Basin are classified for **domestic**, livestock, irrigation, municipal, industrial, agricultural, commercial, power, mining, recreation, fish life, wildlife, pollution abatement, wetland enhancement and statutorily exempt groundwater uses with the following exceptions:

Dear Mr. Goebel,

In response to your email of November 24, 2004, we cannot identify the location of wells 5, 6, and 10. It is our understanding that a new map, to include the location of all wells, would be submitted to the Department. If you prepare a new map, please ensure the provisions of OAR 690-310-0050 are followed *and identify each well number with a well log ID #.*

**690-310-0050 - Map to Accompany Application for Water Use Permit**

(1) Each application shall be accompanied by a map or drawing which shall be considered a part of the application.

(2) Maps submitted with water use applications shall meet the following criteria:

(a) The application map, which is made part of the record, shall be of permanent quality and drawn in ink or otherwise printed in an indelible form with sufficient clarity so as to be easily reproduced;

(b) Maps shall be drawn on good-quality paper. If the map is larger than 11 inches by 17 inches, four copies must be submitted or the map must be drawn on tracing linen, tracing vellum or mylar;

(c) All maps shall be drawn to a standard, even scale of not less than 4 inches = 1 mile. All maps must include the scale to which the map is drawn and a north directional symbol.

(3) A platted and recorded subdivision map, deed description survey map or county assessor map may be submitted as the application map if all of the required information is clearly shown.

(4) Each copy of the map shall show clearly each of the following requirements that apply to the proposed appropriation:

(a) The location of each diversion point, well, or dam by reference to a recognized public land survey corner. The locations may be shown by distance and bearing or by coordinates (distance north or south and distance east or west from the corner);

(b) The location of main canals, ditches, pipelines, or flumes;

(c) The location of the place where water is to be used identified by tax lot, township, range, section and nearest quarter-quarter section along with a notation of the acreage of the proposed place of use, if appropriate. The Department also shall accept any locational coordinate information that the applicant may wish to provide, including latitude and longitude as established by a global positioning system. If for irrigation, the area to be irrigated in each quarter-quarter of a section shall be indicated by shading or hatching and the number of acres in each quarter-quarter section, donation land claim, government lot or other recognized public land survey lines indicated.

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

WELL I.D. # L. 42680 - WELL 1 - MAP -  
START CARD # 129577

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number #3  
Name Bill Stevenson Van Duyn Land Company  
Address 33401 Van Duyn  
City Eugene State OR Zip 97408

(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 90 ft.  
Explosives used  Yes  No Type Amount

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
10"	0	26	cement	0	26	8 sacks
6"	26	90				

How was seal placed: Method  A  B  C  D  E  
 Other  
Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6"	+1 1/2	28 1/2	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 4 1/2"	0	90	pvc	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 28 1/2 ft.

(7) PERFORATIONS/SCREENS:

Perforations Method saw  
 Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
30	90	1/8	600	2"	4 1/2"	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Pump  Bailer  Air  Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
75	75	90	1 hr.

Temperature of water 55 Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other  
Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
County Lane Latitude Longitude  
Township 16S N or S Range 3W E or W. WM.  
Section 27 SE 1/4 SW 1/4  
Tax Lot 200 Lot Block Subdivision  
Street Address of Well (or nearest address) Across from above address.

(10) STATIC WATER LEVEL:  
15 ft. below land surface. Date 8-14-00  
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:  
Depth at which water was first found 47 ft.

From	To	Estimated Flow Rate	SWL
47	53	30	15
74	77	45	15

(12) WELL LOG:  
Ground Elevation \_\_\_\_\_

Material	From	To	SWL
topsoil	0	2	
brown clay	2	19	
brown gray conglom. med.	19	90	15

RECEIVED

AUG 17 2000

WATER RESOURCES DEPT  
SALEM, OREGON

Date started 8-14-00 Completed 8-14-00

(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.  
Signed George J. [Signature] WWC Number 1722 Date 8-14-00

(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.  
Signed [Signature] WWC Number 1541 Date 8-14-00

✓ T/R/S  
Does not comply w/ map

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

WELL I.D. # L 44872 - WELL 2 - MAP  
 START CARD # 136263 - T/R/S

Instructions for completing this report are on the last page of this form.

(1) **LAND OWNER** Well Number #5  
 Name Van Duyn Land company  
 Address 33401 Van Duyn  
 City Eugene State OR Zip 97408

(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 187 ft.  
 Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
10"	0	38	cement	0	38	15 sacks
6"	38	187				

How was seal placed: Method  A  B  C  D  E  
 Other \_\_\_\_\_

Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
 Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(6) **CASING/LINER:**

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6"	+3	127	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 4 1/2"	2	187	pvc	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used  Inside  Outside  None  
 Final location of shoe(s) 127

(7) **PERFORATIONS/SCREENS:**

Perforations Method saw  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
107	187	1/8-2	800	4 1/2"	pvc	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(8) **WELL TESTS: Minimum testing time is 1 hour**

Yield gal/min	Drawdown	Drill stem at	Flowing Artesian Time
60	96	187	1 hr.

Temperature of water 56 Depth Artesian Flow Found \_\_\_\_\_  
 Was a water analysis done?  Yes By whom \_\_\_\_\_  
 Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
 Depth of strata: \_\_\_\_\_

(9) **LOCATION OF WELL by legal description:**  
 County Lane Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Township 16S N or S Range 3W E or W. WM.  
 Section 27 SW 1/4 SW 1/4  
 Tax Lot 200 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
 Street Address of Well (or nearest address) across from 33401 Van Duyn Eugene, OR 97408

(10) **STATIC WATER LEVEL:**  
91 ft. below land surface. Date 10-20-00  
 Artesian pressure \_\_\_\_\_ lb. per square inch Date \_\_\_\_\_

(11) **WATER BEARING ZONES:**  
 Depth at which water was first found 170 ft.

From	To	Estimated Flow Rate	SWL
170	175	60 gpm	91

(12) **WELL LOG:**  
 Ground Elevation \_\_\_\_\_

Material	From	To	SWL
topsoil	0	1	
brown clay	1	10	
broken-up basalt	10	12	
red claystone soft	12	120	
gray claystone	120	187	91

**RECEIVED**

OCT 27 2000

WATER RESOURCES DEPT  
 SALEM, OREGON

Date started 10-20-00 Completed 10-20-00

(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.  
 Signed Alan McCreath WWC Number 1641 Date 10-20-00

(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.  
 Signed \_\_\_\_\_ WWC Number 1541 Date 10-20-00

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

WELL I.D. # L 44892 - WELL 3 - MAP  
 START CARD # 136287 *v/T/MS*

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER VanDyyn Land Company Well Number 6  
 Name VanDyyn Land Company  
 Address 33401 VanDyyn  
 City Eugene State OR Zip 97408

(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 59 ft.  
 Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	
10	0	38	cement	0	30	24 sacks
6	30	59				

How was seal placed: Method  A  B  C  D  E  
 Other \_\_\_\_\_

Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
 Gravel placed from 30 ft. to 38 ft. Size of gravel 3/8

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6"	1	59	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used  Inside  Outside  None  
 Final location of shoe(s) 59'

(7) PERFORATIONS/SCREENS:

Perforations Method Holt Perforator  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
41	56	1/4-1	300	6	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Yield gal/min	Drawdown	Drill stem at	Time
75 gpm	43	59	1 hr.

Temperature of water 56 Depth Artesian Flow Found \_\_\_\_\_  
 Was a water analysis done?  Yes By whom \_\_\_\_\_  
 Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
 Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description: *Does not agree w/map*  
 County Lane Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Township 16S N or S Range 3W E or W. WM. \_\_\_\_\_  
 Section 27 SW 1/4 SW 1/4  
 Tax Lot 200 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
 Street Address of Well (or nearest address) Across from 33401 VanDyyn, Eugene, OR 97408

(10) STATIC WATER LEVEL:  
16 ft. below land surface. Date 11/21/00  
 Artesian pressure \_\_\_\_\_ lb. per square inch Date \_\_\_\_\_

(11) WATER BEARING ZONES:

Depth at which water was first found 41

From	To	Estimated Flow Rate	SWL
41	50	75 gpm	16

(12) WELL LOG:

Ground Elevation \_\_\_\_\_

Material	From	To	SWL
Topsoil	0	1	
Brown clay and rock	1	27	
Brown broken up sandstone (hard)	27	59	16

**RECEIVED**  
 NOV 28 2000  
 WATER RESOURCES DEPT.  
 SALEM, OREGON

Date started 11/21/00 Completed 11/22/00

(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.  
 Signed Alan McCready WWC Number 1641 Date 11/22/00

(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.  
 Signed [Signature] WWC Number 1541 Date 11/22/00

Scott Goebel  
Goebel Engineering & Surveying, Inc.  
1762 W 2<sup>nd</sup> Ave  
Eugene OR 97402

Van Duyn Land Co. LLC  
33401 Van Duyn Rd  
Eugene OR 97401

**LAW OFFICE OF BILL KLOOS, PC**

OREGON LAND USE LAW

576 OLIVE STREET, SUITE 300  
EUGENE, OR 97401  
PO BOX 11906  
EUGENE, OR 97440  
TEL (541) 343-8596  
FAX (541) 343-8702  
E-MAIL BILLKLOOS@LANDUSEOREGON.COM

January 12, 2004

Mr. Jerry Gainey  
Water Resources Department  
North Mall Office Building  
725 Summer Street NE, Suite A  
Salem, OR 97301-1271

Re: Application G-15800

Dear Mr. Gainey:

You have my December 17, 2004 letter explaining that our surveyor responsible for mapping was out of action with the flu. He is with us again and has completed the mapping. Enclosed for filing are four copies of a final map that add the two new wells, nos. 5 and 6. These were drilled with preapproval by your department to the required depth.

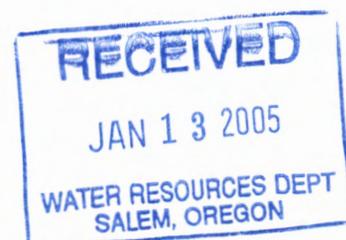
This final version of the map also shows the platted lot lines for the 27 lots in this subdivision. Adding this information was possible once the subdivision was finally platted on June 30, 2004. The added data is informative and does not clutter the map. Please advise if you do not want the lot lines shown.

Thank you for your patience with this.

Sincerely,

  
Bill Kloos

C: Scott Goebel  
Mike Stevenson  
Ramon Fisher



WELL #4 - MAP

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

WELL I.D. # L 59130  
START CARD # 153289

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER Well Number 2160  
Name Van Duynland Co.  
Address 33401 Van Duyn Rd  
City Eugene State OR Zip 97408

(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 83 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE		SEAL		Sacks or pounds	
Diameter	From To	Material	From To		
6"	0' 49' 83'	Bentonite	0' 49'	25	Sacks

How was seal placed: Method  A  B  C  D  E  
 Other Placed @ 1 Sack per 5 min rate  
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"	0'	49'	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 4"	0'	83'		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used  Inside  Outside  None  
Final location of shoe(s) \_\_\_\_\_

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
20'	83'	4x5"	160			<input type="checkbox"/>	<input checked="" type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Yield gal/min	Drawdown	Drill stem at	Time
75+ GPM		83'	1 hr.

Temperature of water 58° Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
County Jane Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 11S N or S Range 03W E or W WM.  
Section 34 NW 1/4 SW 1/4  
Tax Lot 200 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) Across Street from 33401 Van Duyn Rd

(10) STATIC WATER LEVEL:  
29' ft. below land surface. Date 10-9-02  
Artesian pressure \_\_\_\_\_ lb. per square inch Date \_\_\_\_\_

(11) WATER BEARING ZONES:  
Depth at which water was first found 80'

From	To	Estimated Flow Rate	SWL
80'	83'	75+ GPM	29'

(12) WELL LOG:  
Ground Elevation \_\_\_\_\_

Material	From	To	SWL
Topsoil	0	1	
Brown Clay	1	5	
Brown Clay & Boulders	5	45	
Brown & Grey Sandstone	45	80	
Brown & Grey Conglomerate	80	83	29'

Very Fractured from 80'-83' would need steel liner to deepen

RECEIVED

NOV 22 2002

WATER RESOURCES DEPT  
SALEW, OREGON

Date started 10-9-02 Completed 10-9-02

(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.  
Signed Edward P Holmquist WWC Number 1742 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.  
Signed Donald J Forring WWC Number 751 Date 10-9-02

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

(WELL I.D.) # L 71194

(START CARD) # 166331

Instructions for completing this report are on the last page of this form.

**(1) OWNER:** Well Number #1  
 Name VAN DUYN LAND CO. / BILL STEVENSON  
 Address 33401 VAN DUYN  
 City EUGENE State OR Zip 97408

**(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 287 ft.  
 Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
10"	0	98	CEMENT	0	98	65 SACKS
8"	98	117	CEMENT	110	117	2 SACKS
6"	117	287				

How was seal placed: Method  A  B  C  D  E  
 Other \_\_\_\_\_  
 Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
 Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

**(6) CASING/LINER:**

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6"	+2	117	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 4 1/2"	0	287		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) N/A

**(7) PERFORATIONS/SCREENS:**

From		To		Slot size	Number	Diameter	Material	Tele/pipe size	Casing	Liner
167	207	167	207	1"	400	1/8"	PLASTIC		<input type="checkbox"/>	<input checked="" type="checkbox"/>
247	287	247	287	1"	400	1/8"	PLASTIC		<input type="checkbox"/>	<input checked="" type="checkbox"/>

**(8) WELL TESTS: Minimum testing time is 1 hour**

Yield gal/min	Drawdown	Drill stem at	Time
40	181	287	1 hr.

Pump  Bailor  Air  Flowing  Artesian

Temperature of water 57 Depth Artesian Flow Found \_\_\_\_\_  
 Was a water analysis done?  Yes By whom \_\_\_\_\_  
 Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
 Depth of strata: \_\_\_\_\_

**(9) LOCATION OF WELL by legal description:**  
 County LANE Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Township 16 S Range 3 W WM \_\_\_\_\_  
 Section 34 SE 1/4 SW 1/4 \_\_\_\_\_  
 Tract Address of Well (or nearest address) Across from 33401 Van Duyn Eugene

**(10) STATIC WATER LEVEL:**  
128 ft. below land surface. Date 6/27/2004  
 Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

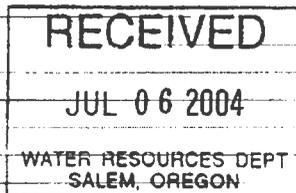
**(11) WATER BEARING ZONES:**

Depth at which water was first found 35

From	To	Estimated Flow Rate	SWL
35	90	39	14
160	195	15	126
260	268	25	126

**(12) WELL LOG:**  
 Ground Elevation \_\_\_\_\_

Material	From	To	SWL
TOP SOIL	0	2	
BROWN CLAY	2	9	
BROWN SANDSTONE	9	35	
BROWN SANDSTONE WITH GRAVEL	35	105	14
BLUE SANDSTONE	105	135	
BLUE AND GREEN CONGLOM.	135	205	126
GRAY CLAY STONE SOFT	205	210	
BLUE AND GREEN CONGLOM.	210	287	126



Casey Jones Well Drilling Co. Inc.  
 541-747-2806  
 Date started 6/23/2004 Completed 6/27/2004

**(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.  
 Signed \_\_\_\_\_ WWC Number 1776  
 Date 7/1/2004

**(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.  
 Signed \_\_\_\_\_ WWC Number 1541  
 Date 7/1/2004

STATE OF OREGON  
**WATER SUPPLY WELL REPORT**  
 (as required by ORS 537.763)

(WELL I.D.)# L 71191

(START CARD) # 166334

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number # **2**  
 Name **VAN DUYN LAND CO./ BILL STEVENSON**  
 Address **33401 VAN DUYN**  
 City **EUGENE** State **OR** Zip **97408**

(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 **246** ft.  
 Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE		SEAL		Sacks or pounds	
Diameter	From To	Material	From To		
10"	0 58	CEMENT	0 58	20 SACKS	
6"	58 246				

How was seal placed: Method  A  B  C  D  E  
 Other \_\_\_\_\_  
 Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
 Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6"	+2	130	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 4 1/2"	0	246		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) **N/A**

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
186	206	1"	200	1/8"		<input type="checkbox"/>	<input checked="" type="checkbox"/>
226	246	1"	200	1/8"		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Method **SAW** Material **PLASTIC**  
 Type **LINER**

(8) WELL TESTS: Minimum testing time is 1 hour

Yield gal/min	Drawdown	Drill stem at	Flowing Time
17	122	246	1 hr.

Pump  Bailer  Air  Flowing Artesian

Temperature of water **57.5** Depth Artesian Flow Found \_\_\_\_\_  
 Was a water analysis done?  Yes By whom \_\_\_\_\_  
 Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
 Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
 County **LANE** Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Township **16** S Range **3** W W.M.  
 Section **34** SE 1/4 SW 1/4  
 Tax Lot **200** Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
 Street Address of Well (or nearest address) **Across from 33401 Van Duyn Eugene**

(10) STATIC WATER LEVEL:  
**124** ft. below land surface. Date **6/28/2004**  
 Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:

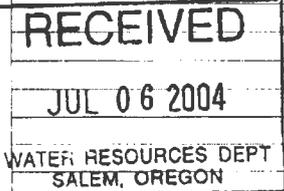
Depth at which water was first found **40**

From	To	Estimated Flow Rate	SWL
40	47	1	22
165	205	17	124

(12) WELL LOG:

Material	From	To	SWL
TOP SOIL	0	2	
BROWN SANDSTONE	2	20	
BROWN SANDSTONE BROKEN	20	47	22
BLUE CLAY STONE SOFT	47	130	
BLUE SANDSTONE HARD	130	145	
Blue/Green conglom. w/brown claystone soft	145	260	124

Well caved 14' before liner was installed.



Casey Jones Well Drilling Co. Inc.  
 541-747-2806  
 Date started **6/27/2004** Completed **6/28/2004**

(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.  
 Signed \_\_\_\_\_ WWC Number **1776**  
 Date **7/1/2004**

(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.  
 Signed \_\_\_\_\_ WWC Number **1541**  
 Date **7/1/2004**

NO PSI

5-30-03

Daright Provel April 11

TO: Water Rights Section
FROM: Ground Water/Hydrology Section Marc Norton
SUBJECT: Application G- 15800
Supersedes review of 12/19/2002
Date of Review(s) See memo of 1/13/2003 for agreement with applicant

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: Van Duyen Land Co

A1. Applicant(s) seek(s) 110 cfs from 6 well(s) in the Willamette Basin,
subbasin Quad Map: Coburg

A2. Proposed use: Group domestic 27 lots @ 1/2 acre of irrigation per lot Seasonality: year round

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

Table with columns: Well, Logid, Proposed Aquifer\*, Proposed Rate(cfs), Location (T/R-S QQ-Q), Location, metes and bounds, example: 2250' N, 1200' E fr NW cor S 36

\* Alluvium, CRB, Bedrock Wells 4, 5, 6 not constructed Wells 7, 8, 9 will not be used - Low yield - casing

Table with columns: Well, Well Elev ft msl, First Water ft bls, SWL ft bls, SWL Date, Well Depth (ft), Seal Interval, Casing Intervals, Liner Intervals, Perforations Or Screens, Well Yield, Draw Down, Test Type

Use data from application for proposed wells.

A4. Comments: The applicant requested 448 gpm - Use limited to 15 hours = 0.4 cfs
EGR - report indicates wells #3, #5, #6 have a combined yield of 4 gpm
projected peak use = 29 gpm considerable difference
Consultant found well yields to be far lower than those reported in well log
Applicant requested 0.3 cfs on May 28th 0.3 cfs = 135 gpm

A5. Provisions of the Willamette 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.

Comments:

A6. 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 (b) (c)**

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;
- b.  will not or  will likely be available in the amounts requested without injury to prior ground water rights;  
*SEE Comments Below in B3*
- 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, 7B, 7D (March, 3ft, 15ft, 25ft, 25ft)
  - 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 \_\_\_\_\_ 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: \_\_\_\_\_

B1 (b) This aquifer(s) will not sustain 448 gpm (requested). The aquifer(s) will not sustain the 313 gpm that the Dept could permit for this use.

The consultants report indicates a sustainable production rate of 41 gpm from the three wells already constructed. Wells #1 & #3 are hydraulically connected to Daniels Creek. There are three more wells proposed. The applicant agreed to complete the new wells into the deeper aquifer. See memo dated Jan 13, 2003 for well construction conditions.

\* => Limit this Application to 41 gpm and place conditions 7A & 7D in permit to protect the resource.

B2 Well construction conditions See memo dated January 13, 2003 with well construction conditions

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

**C1. 690-09-040 (1): Evaluation of aquifer confinement:**

Well	Aquifer or Proposed Aquifer		Confined	Unconfined
1	Marine Sediment	Shallow Aquifer	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	"	Deep Aquifer	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	"	Shallow Aquifer	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Basis for aquifer confinement evaluation: water level, first encountered depth - the shallow aquifer is hydraulically connected to nearby streams

**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 1/4 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.**

Well	SW #	Surface Water Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)	Hydraulically Connected?			Potential for Subst. Interfer. Assumed?	
						YES	NO	ASSUMED	YES	NO
1	1	Un Named trib to Daniels Ck	610	580	50-450	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2	Daniels Ck	610	410	4000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	1	Un Named trib to Daniels Ck	509	590	100-1100	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2	Daniels Ck	509	410	4700	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	1	Un Named trib to Daniels Ck	614	600	300-1150	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2	Daniels Ck	614	410	5000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4		No location given				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5		" " "				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6		" " "				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Basis for aquifer hydraulic connection evaluation: Ground water levels are above the nearby streams. Direction of flow for the shallow aquifer is toward the streams. The deeper aquifer do not have enough wells to determine direction of flow

**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. If Q is not distributed by well, use full rate for each well. If modeled, include description and model parameters in Comments (C3b). Any checked  box indicates the well is assumed to have the potential to cause substantial interference with surface water.**

Well	SW #	Well < 1/4 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	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	2	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
2	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	2	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
3	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	2	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

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?
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

C4a. **690-09-040 (5):** Estimated impacts on surface water sources as percent or qualitative fraction\* of proposed pumping rate. Limit evaluation to one year of pumping.

Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Shallow	1	VL	VL	VL	L	L	L	I	I	I	I	L	L
	2	VL	VL	VL	VL	VL	VL	VL	L	L	L	VL	VL
Deep	2	VL	VL	VL	VL	VL	VL	VL	VL	VL	VL	VL	VL
	2	VL	VL	VL	VL	VL	VL	VL	L	L	L	VL	VL
Shallow	3	SAME AS WELL 1					I						
	2												
Assuming Shallow Aquifer	4												
	2												
	5												
	2												
Assuming Deep Aquifer	6												
	2												

\*VL = Very Low (<5%), L = Low (5-25%), I = Intermediate (25-75%), H = High (>75%).

Basis for impact evaluation: Wells 1 & 3 are in the shallow aquifer. Impact to near by streams will be greater to both streams.

Well 2 will have very low impact on the closer stream because of the deeper production zone is below stream level close to well.

Wells 4, 5, 6 are assumed to be in the shallow aquifer

C4b. **690-09-040 (5):** Evaluation of paragraphs under subsection 5. A determination of  Low denotes no connection or a very indirect connection between surface water and ground water;  High denotes hydraulic connection that would likely reduce surface water availability in the first year of pumping. Do not equate "Low" and "High" between C4a and C4b.

- (a) Shallow Aquifer { The potential to reduce surface water availability in UnNamed trib to Daniels Ck is  Low or  High  
 The potential to reduce surface water availability in " Daniels Ck is  Low or  High  
deep Aquifer { The potential to reduce surface water availability in UnNamed trib to Daniels Ck is  Low or  High  
 The potential to reduce surface water availability in Daniels Ck is  Low or  High

Basis: ~~Shallow~~ The shallow aquifer is hydraulically connect to both streams producing 300 gpm will have a significant impact

The deep aquifer should not have much impact on nearby UnNamed trib as water levels are below stream level

(b) The potential to impair or detrimentally affect the public interest is to be determined by the Water Rights Section.

C4b. 690-09-040 (5): Evaluation of paragraphs under subsection 5 continued.

(c) The **percentage** of appropriation in the first year of use that will be at the expense of surface water 30%

Basis: The distance to stream is short to shallow aquifer, ground water gradient is toward stream

(d) The timing of interference will be  **immediate** (within one year), or  **delayed**;

Basis: Distance to stream is short, shallow nature of aquifer, limited resource

(e) The potential for cumulative adverse impacts: A graphical distribution of POAs and summary of permitted rights  are or  are not available at this time of review.

Impacted stream	Impacted basin or sub-basin	Existing Ground Water Rights (cfs)

Comments: \_\_\_\_\_

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) \_\_\_\_\_;
- ii.  The permit should contain special condition(s) as indicated in "Remarks" below;
- iii.  The permit should be conditioned as indicated in item 6 below;

C6.  **If the well is not reconstructed**, it will interfere with surface water. Well reconstruction, as follows, will adequately protect surface water from interference. If the ground water use under this permit is found to have the potential for substantial interference with surface water, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Ground Water Section.:

~~The well should be reconstructed as follows:~~ Wells under this application should be required to be cased & sealed into the lower aquifer. See memo dated January 13, 2003 for specific wording

C7. SW / GW Remarks The applicant agreed to the conditions outlined in the memo dated 1/13/2003. This will limit impacts on the streams & protect the shallow and deep aquifer from over development.

**D. WELL CONSTRUCTION, OAR 690-200**

D1. 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.

D6.  **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).**



TO: Water Rights Section

12/19, 2002

FROM: Ground Water/Hydrology Section Maura Norton

Reviewer's Name

SUBJECT: Application G- 15800

GROUND WATER/SURFACE WATER CONSIDERATIONS

1. PER THE Willamette Basin rules, one or more of the proposed POA's ~~is~~ ~~is not~~ within 1/4 ~~feet~~/mile of a surface water source (UnNamed trib to Danick) and taps a ground water source hydraulically connected to the surface water. ck
2. BASED UPON OAR 690-09 currently in effect, I have determined that the proposed ground water use
  - a. \_\_\_ will, or have the potential for substantial interference with the nearest
  - b. \_\_\_ will not surface water source, namely \_\_\_\_\_; or
  - c. \_\_\_ will if properly conditioned, adequately protect the surface water from interference:
    - i. \_\_\_ The permit should contain condition #(s) \_\_\_\_\_;
    - ii. \_\_\_ The permit should contain special condition(s) as indicated in "Remarks" below;
    - iii. \_\_\_ The permit should be conditioned as indicated in item 4 below; or
  - d. \_\_\_ will, with well reconstruction, adequately protect the surface from substantial interference.

GROUND WATER AVAILABILITY CONSIDERATIONS

3. BASED UPON available data, I have determined that ground water for the proposed use
  - a. \_\_\_ will, or likely be available in the amounts requested without injury to prior rights
  - b.  will not and/or within the capacity of the resource; or
  - c. \_\_\_ will if properly conditioned, avoid injury to existing rights or to the ground water resource:
    - i. \_\_\_ The permit should contain condition #(s) \_\_\_\_\_;
    - ii. \_\_\_ The permit should contain special condition(s) as indicated in "Remarks" below;
    - iii. \_\_\_ The permit should be conditioned as indicated in item 4 below; or
4.
  - a. \_\_\_ THE PERMIT should allow ground water production from no deeper than \_\_\_\_\_ ft. below land surface;
  - b. \_\_\_ The permit should allow ground water production from no shallower than \_\_\_\_\_ ft. below land surface;
  - c. \_\_\_ The permit should allow ground water production only from the \_\_\_\_\_ 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.
  - e. \_\_\_ One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Well Construction Considerations on Reverse Side)

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

5. THE WELL which is the point of appropriation for this application does not meet current well construction standards based upon:
- a. \_\_\_ review of the well log;
  - b. \_\_\_ field inspection by \_\_\_\_\_;
  - c. \_\_\_ report of CWRE \_\_\_\_\_;
  - d. \_\_\_ other: (specify) \_\_\_\_\_
6. THE WELL construction deficiency:
- a. \_\_\_ constitutes a health threat under Division 200 rules;
  - b. \_\_\_ commingles water from more than one 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) \_\_\_\_\_
7. THE WELL construction deficiency is described as follows: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
8. THE WELL
- a. \_\_\_ was, or constructed according to the standards in effect at the time of
  - b. \_\_\_ was not original construction or most recent modification.
  - c. \_\_\_ I don't know if it met standards at the time of construction.

RECOMMENDATION:

- A. \_\_\_ I recommend including the following condition in the permit:  
"No water may be appropriated under terms of this permit until the well(s) has been repaired to conform to current well construction standards and proof of such repair is filed with the Enforcement Section of the Water Resources Department."
- B. \_\_\_ I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Enforcement Section of the Water Resources Department.
- C. \_\_\_ REFER this review to Enforcement Section for concurrence.

\_\_\_\_\_  
SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL THIS

I concur in G/H's recommendation A or B above relating to conditioning or withholding the permit  
\_\_\_\_\_, 199\_\_.  
(Signature)

I do not concur in G/H's recommendation A or B above relating to conditioning or withholding the permit for the following reasons: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_, 199\_\_.  
(Signature)

WATER RESOURCES DEPARTMENT MEMORANDUM

TO: Ground Water/Hydrology  
 FROM: Marc Norton  
 SUBJECT: Ground Water Application G- 15800

Date 12/18/2002

Applicant(s) seek 448 gpm ( \_\_\_\_\_ cfs) from 6 wells in the Willamette basin  
 Applicants Name: Van Duyn Land sub basin  
 Proposed Use: Community Water System Muddy Creek sub basin  
Group Domestic 1/2 acre/lot 27 Lots  
 Pertinent 7 & 1/2 minute Quads Goberg

LANE

Well 1 WRD# 58518 T 16S R 3W S 34 QQ DAC County Lane  
 Legal Description Daniels  
 Well is 50-450 ft from UN Named trib to Muddy CK (river/stream)  
 Well is 4000 ft from Daniels Creek (river/stream)  
 Well Elevation 625 ft River/Stream elevation 600/580/410 ft.  
 Well Elevation - River/Stream elevation 25 / 45 / 215' ft.  
 Well depth 90 ft SWL 15 ft on 8/14/00  
 Sealed to 36 ft Depth first water found 47 ft  
 Cased to 28 ft Perforations/screens 30-90 ft  
 Lined to 0-90 ft Perforations/screens \_\_\_\_\_ ft  
 Well test and types 75 GPM Air Test  
 (Confined/Semi-confined/Unconfined) Direct hydraulic connection? YES YES / NO  
 Potential to cause substantial interference? Possible PSI YES

LANE

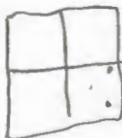
Well 2 WRD# 58952 T 16S R 3W S 34 QQ PDB County LANE  
 Legal Description \_\_\_\_\_  
 Well is 100-1100 ft from Un Named Trib to Daniels (river/stream)  
 Well is 4700 ft from Daniels (river/stream)  
 Well Elevation 600 ft River/Stream elevation 590 - 410 ft.  
 Well Elevation - River/Stream elevation 10 - 190' ft.  
 Well depth 187 ft SWL 91 ft on 10/20/00  
 Sealed to 38 ft Depth first water found 170 ft  
 Cased to 127 ft Perforations/screens 107-187 ft  
 Lined to 2-187 ft Perforations/screens \_\_\_\_\_ ft  
 Well test and types 60 GPM Air Test  
 (Confined/Semi-confined/Unconfined) Direct hydraulic connection? YES YES / NO  
 Potential to cause substantial interference? Minimal - depth, distance, artesian

Comments SEE G-15227  
Wells #7, #8, & #9 will not be used - low yield - possible caving?

References Used: \_\_\_\_\_

Water Use 27 Lots

0.4 cfs	15 houses
0.1 cfs	5 additional
0.1 cfs	5
0.1 cfs	5
<u>0.7 "</u>	<u>30 = 313 GPM</u>



Well 3 WRD# 59072 T 16S R 3W S 34 QQ DPB County Lane

Legal Description \_\_\_\_\_  
 Well is 300-1150 ft from Un Named trib to Daniels Ck (river/stream)  
 Well is 5000 ft from Daniels Creek (river/stream)  
 Well Elevation 630 ft River/Stream elevation 600-410 ft.  
 Well Elevation - River/Stream elevation ~~300-220~~ 30-220 ft.  
 Well depth 59 ft SWL 16 ft on 11/21/00  
 Sealed to 30 ft Depth first water found 41 ft  
 Cased to 59 ft Perforations/screens 41-56 ft  
 Lined to 4# ft Perforations/screens \_\_\_\_\_ ft  
 Well test and types 75 GPM Air test  
 (Confined/Semi-confined/Unconfined) Direct hydraulic connection? YES YES / NO  
 Potential to cause substantial interference? YES

Well \_\_\_\_\_ WRD# \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_ S \_\_\_\_\_ QQ \_\_\_\_\_ County \_\_\_\_\_

Legal Description \_\_\_\_\_  
 Well is \_\_\_\_\_ ft from \_\_\_\_\_ (river/stream)  
 Well is \_\_\_\_\_ ft from \_\_\_\_\_ (river/stream)  
 Well Elevation \_\_\_\_\_ ft River/Stream elevation \_\_\_\_\_ ft.  
 Well Elevation - River/Stream elevation \_\_\_\_\_ ft.  
 Well depth \_\_\_\_\_ ft SWL \_\_\_\_\_ ft on \_\_\_\_\_  
 Sealed to \_\_\_\_\_ ft Depth first water found \_\_\_\_\_ ft  
 Cased to \_\_\_\_\_ ft Perforations/screens \_\_\_\_\_ ft  
 Lined to \_\_\_\_\_ ft Perforations/screens \_\_\_\_\_ ft  
 Well test and types \_\_\_\_\_  
 (Confined/Semi-confined/Unconfined) Direct hydraulic connection? \_\_\_\_\_ YES / NO  
 Potential to cause substantial interference? \_\_\_\_\_

Well \_\_\_\_\_ WRD# \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_ S \_\_\_\_\_ QQ \_\_\_\_\_ County \_\_\_\_\_

Legal Description \_\_\_\_\_  
 Well is \_\_\_\_\_ ft from \_\_\_\_\_ (river/stream)  
 Well is \_\_\_\_\_ ft from \_\_\_\_\_ (river/stream)  
 Well Elevation \_\_\_\_\_ ft River/Stream elevation \_\_\_\_\_ ft.  
 Well Elevation - River/Stream elevation \_\_\_\_\_ ft.  
 Well depth \_\_\_\_\_ ft SWL \_\_\_\_\_ ft on \_\_\_\_\_  
 Sealed to \_\_\_\_\_ ft Depth first water found \_\_\_\_\_ ft  
 Cased to \_\_\_\_\_ ft Perforations/screens \_\_\_\_\_ ft  
 Lined to \_\_\_\_\_ ft Perforations/screens \_\_\_\_\_ ft  
 Well test and types \_\_\_\_\_  
 (Confined/Semi-confined/Unconfined) Direct hydraulic connection? \_\_\_\_\_ YES / NO  
 Potential to cause substantial interference? \_\_\_\_\_

Comments Wells #4, #5, & #6 to be drilled at a later date

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# WATER RESOURCES DEPARTMENT

**MEMO**

January 13, 2003

TO: Cory Engel, Water Rights Section  
FROM: Marc Norton, Ground Water/Hydrology Section *MAN*  
SUBJECT: Ground Water Application G-15800

## BACKGROUND

There are six wells on the property; wells #1, #2, & #3 were proposed points of Appropriations. Wells #7, #8, & #9 were not proposed as points of appropriations. There is a possible seventh well on the property; well #10. Additional information has been requested on the seventh well.

## EXISTING WELLS

Wells #1 & #3 were determined to be within ¼ mile of a surface water source and tap a ground water source hydraulically connected to the surface water. In a meeting with the applicants on January 7, 2003, wells #1 & #3 were removed from the application.

Well #2 taps a deeper aquifer within the marine sediments and is not within ¼ mile of a surface water source and does not tap a ground water source hydraulically connected to the surface water.

Well #2 will not have the potential for substantial interference with nearby surface water.

## NEW WELLS

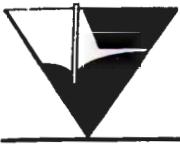
The applicant has proposed constructing three additional wells. Locations for the wells are not known at this time. The new wells must be completed in the deep aquifer to minimize impact to nearby streams. I propose the following conditions:

- 1) Proposed locations for new wells will be approved in writing prior to beginning construction.

2) The new wells shall be completed in the deep aquifer within the marine sediments. The permittee shall submit, in writing, a rough well log and a proposed construction design for approval by Department Hydrogeologist Marc Norton or the Ground Water/Hydrology Section Manager. If the well is constructed first and then the request made, it shall not be granted. The special construction standards for all additional wells depth shall be incorporated into the permit and any certificate issued for application G-15800.

#### GROUND WATER AVAILABILITY CONSIDERATIONS

Ground water for the proposed use will, if properly conditioned, avoid injury to existing rights or the ground water resource. The permit should also contain conditions: 7A, 7B, & 7D. The limits for condition 7D are: March, 3ft., 15ft, 25ft and 25ft.



# *EGR & Associates, Inc.*

Engineers, Geologists and Surveyors

2535B Prairie Road  
Eugene, Oregon 97402  
(541) 688-8322  
Fax (541) 688-8087

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## **VAN DUYN LAND CO. AQUIFER TEST LANE COUNTY, OREGON DECEMBER 2000**

*Principal Authors:* Geoff Brown, Geologic Associate  
Ralph Christensen, Registered Geologist

*Prepared For:* Van Duyn Land Co.

*Site Location:* portion of Tax Lot 200,  
Section 34, Township 16 South, Range 3 West

\* Submitted without Appendices.  
PLEASE SEE BC FILE XW 01-13 FOR APPENDICES.

## EXECUTIVE SUMMARY

The following key findings and conclusions emerge from this study:

- Three wells (#3, #5, and #6), as shown on Figure 3, were each pump tested for 48 hours to gather data to demonstrate, consistent with the requirements of Lane Code 13.050(13)(c), aquifer capability to support a 27-unit subdivision developed at a 10-acre density on the site.
- The location of each of the wells is outside of and considerably to the east of the City of Coburg wellhead protection area, as mapped in the *Coburg Drinking Water Protection Plan (June 1997)*.
- Well #3 is likely to produce between four and six gallons per minute (gpm), over the course of 180 days. Well #5 can be sustainably pumped at 15 gpm over the course of a year. Well #6 can be sustainably pumped at 22 gpm over the course of a year.
- The projected peak use of a completed 27-unit subdivision will be approximately 29 gpm. Wells #3, #5, and #6 have a combined output of approximately 41 gpm. Thus, the combined sustainable pumping rate of Wells #3, #5, and #6 is adequate to meet the needs of the proposed subdivision.
- Based on the results of the aquifer testing, pumping these wells at the sustainable rates is unlikely to adversely impact water supply wells on surrounding properties. Given the proposed residential density (one residence per 10 acres) and expected water use, no depletion of the aquifer is expected.
- Having conducted this analysis consistent with the requirements of Lane Code 13.050, it is our opinion that the aquifer underlying this site should yield an adequate residential water supply for a 27-unit subdivision at a 10-acre density without adversely affecting the wells on adjacent properties or depleting the aquifer.

# VAN DUYN AQUIFER TEST

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APPENDIX A: LANE COUNTY CODE 13.050

APPENDIX B: OREGON WATER WELL DRILLER'S LOGS

APPENDIX C: DATA COMPILATION

APPENDIX D: CALCULATIONS

**NOT  
provided**  
PLEASE SEE  
BC FILE XW 01-12  
for APPENDICES

# VAN DUYN AQUIFER TEST

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## INTRODUCTION

EGR & Associates (EGR) has been retained by Van Duyn Land Company, LLC (Van Duyn), to investigate whether the proposed use of the aquifer beneath the VanDuyn property would adversely impact neighboring wells or deplete the aquifer (Lane County Code 13.050 for groundwater quantity limited areas, Appendix A).

The 278 acre subject property, the eastern 2/3 of tax lot 200 (Map 16-3-34), is currently zoned E-40. Under the proposed action, the property would be rezoned Rural Residential 10, with the potential for division into a maximum of 27 parcels. Water for the residents will come from a groundwater supplied community water system.

To satisfy the requirements of the Lane County Code, an aquifer pumping and recovery test was conducted on September through December 2000. The purpose of the tests and data interpretation was to estimate aquifer potential and assess whether the aquifer is sufficiently productive to support the additional demands caused by rezoning. In addition to the aquifer test, drill logs from neighboring wells were used to characterize local groundwater production.

## HYDROLOGY, GEOLOGY, GROUNDWATER

Runoff from the property flows northwestward into Daniels Creek. Eventually this flow drains into the Willamette River, several miles to the north-northwest. Two intermittent, seasonal, creeks cross the property from the southeast to the northwest (Figure 1). In September, during the first pump test, there were occasional standing non-contiguous pools of water in both creeks. In early November, during the second and third pump tests, conditions were similar. In late November non-contiguous flowing bodies of water were present in both streams, though they were not frequent.

Soils blanketing the site are described as cobbly silty loam and silty clay, known as Philomath, the Dixonville-Philomath-Hazelair Complex, and the Panther soils<sup>1</sup>. The distribution of these soils across the site has been refined for the zone change application<sup>2</sup>. These low permeability soils are derived from the bedrock and are approximately 3 feet thick.

Based on well logs from the site and surrounding area (Appendix B), these clayey soils are underlain by approximately 8 to 38 feet of brown clay, consistent with weathered, sedimentary rocks, tuffs and/or basalt (Tfee-Marine Eugene Formation)<sup>3</sup>. The Tfee deposit is comprised of sandstone and siltstone, locally containing pumice, tuff, ash and breccia. Beneath the clay, drillers report water bearing conglomerate and sandstone.

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<sup>1</sup> Patching, W.R. 1987. *Soil Survey of the Lane County Area, U.S.D.A. Soil Conservation Service Publication, map sheet 45.*

<sup>2</sup> *Applicant's Initial Statement in Support of Nonresource Plan Designation and RR-10 Zoning. March 3, 2000. Law office of Bill Kloos, PC. P.10.*

<sup>3</sup> *Walker, G. and McCloud, N. S., 1991. Geologic Map of Oregon, US Department of the Interior, USGS*

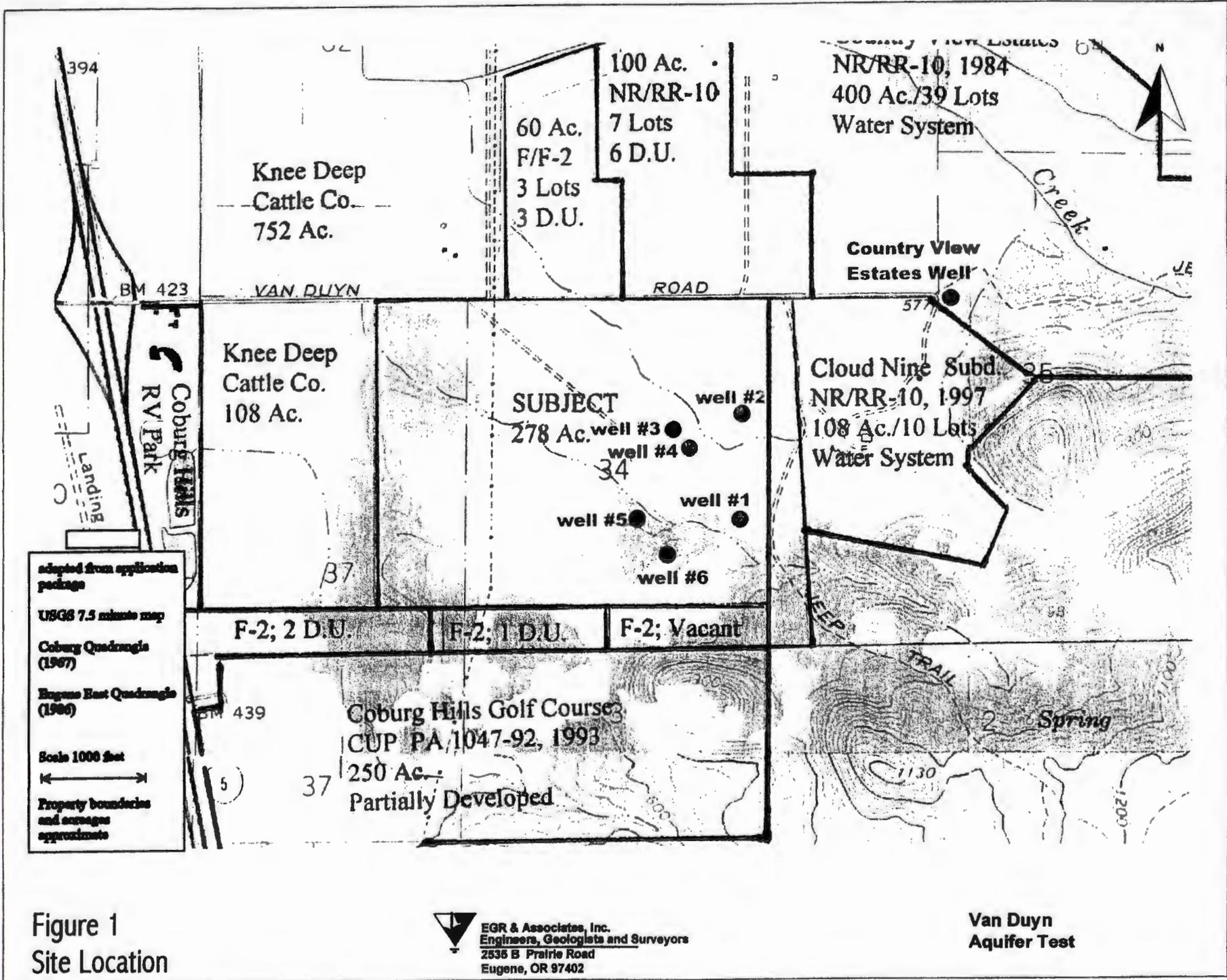


Figure 1  
Site Location

 EGR & Associates, Inc.  
Engineers, Geologists and Surveyors  
2535 B Prairie Road  
Eugene, OR 97402

Van Duyen  
Aquifer Test

Figure 2 shows the regional geology surrounding and including the site.

Drillers' logs from wells in sections 26, 27, 28, 34, 35; Township 16 South, range 3 West, and sections 2 and 3 Township 17 South, Range 3 West, are presented with summary statistics in Appendix B. Well logs from these adjoining sections were chosen because they cover the same geologic features as the subject property. As shown in the data summary, well completion depths in the area range from 20 feet to 600 feet with an average well depth in the area of 155 feet.

Predicted yields from registered wells in the area range from less than one gallon per minute (gpm) to 150 gpm, with the average production approximately 30 gpm. There is no apparent correlation between depth and yield. Water production from wells in the area originates from fracture flow in the sedimentary bedrock. It is likely the water bearing zones that occur deeper than 50 feet are confined beneath the shallow clay horizon reported in most of the well logs. A confined aquifer is defined as a water bearing zone isolated from the atmosphere by an impermeable confining layer, and which has pressures higher than atmospheric (water rises in the well above the point where it is encountered).<sup>4</sup>

Characteristics for the wells utilized in the aquifer tests of the Van Duyn Land Company property are presented below.

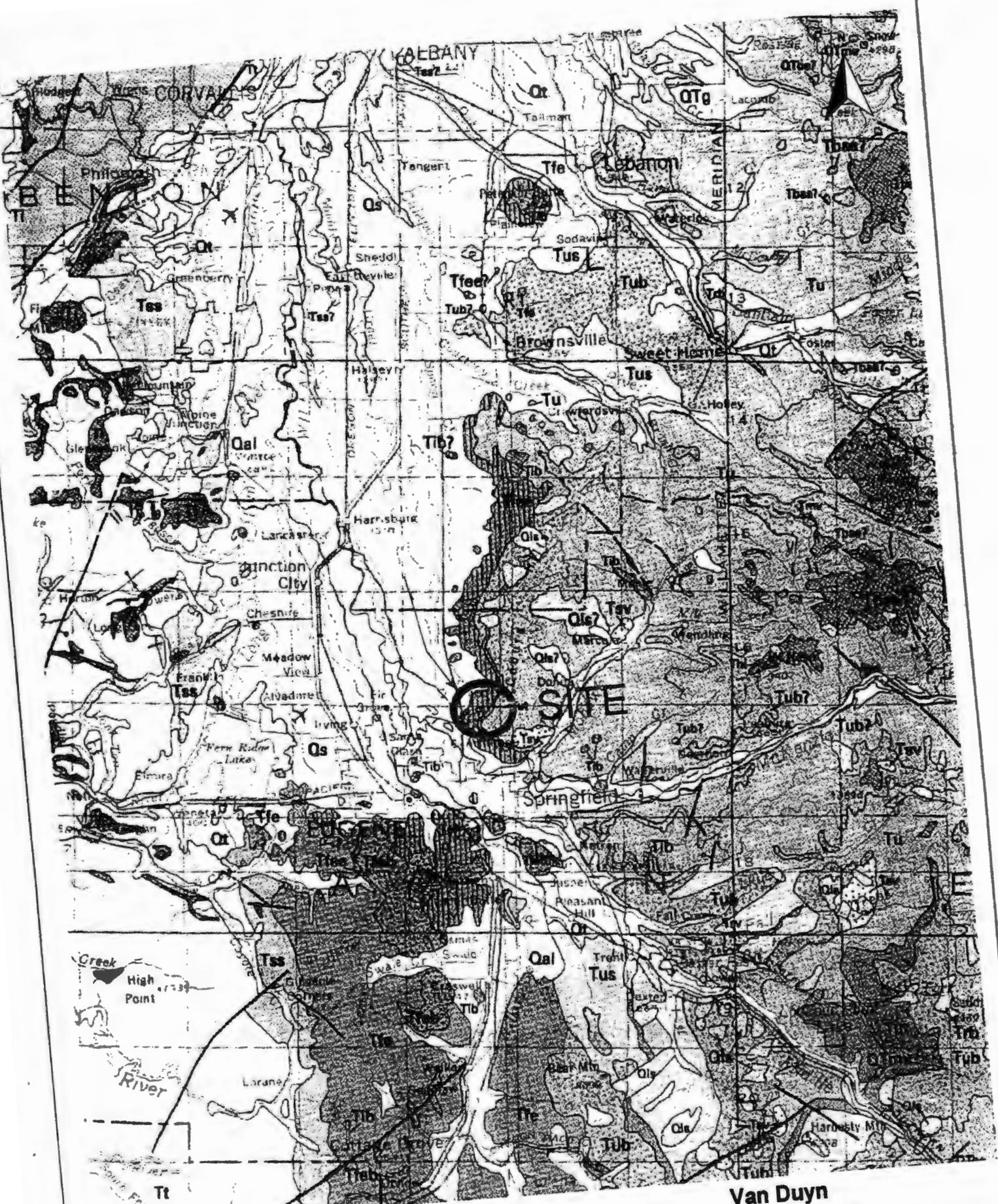
**Table 1**  
**Well Characteristics**

Well	Well ID #	Total Depth	∇ *	Screened Interval	First Water (feet bgs)	Approximate Elevation feet above mean sea level	Air Test	Well Diameter
Well #1	42672	145'	21'	open hole below 37'	45	645	1 gpm	6" casing
Well #2	42679	190	25	110-190'	120	630	15 gpm	6" casing 4.5" liner
Well #3	42680	90	15	30-90'	47	610	75 gpm	6" casing 4.5" liner
Well #4	44369	137'	79	77-137'	90	625	10 gpm	6" casing
Well #5	44872	187	90	107-187'	170	590	60 gpm	6" casing 4.5" liner
Well #6	44892	59	16	41-56'	41	620	75 gpm	6"
Country View Estates Well	unk.	162	unk.	unk.	unk.	580	unk.	4"

∇ \* = static water level at the time the well was installed

bgs = below ground surface

<sup>4</sup> Driscoll, F.G., 1986. *Groundwater and Wells, U.S. Filter/Johnson Screens. St. Paul MN. pp.62.*



**Figure 2  
Regional Geology**

 **EGR & Associates, Inc.**  
 Engineers, Geologists and Surveyors  
 2636 B Prairie Road  
 Eugene, OR 97402

**Van Duyn  
Aquifer Test**

With the exception of the Country View Estates well, locations of the above wells are shown on Figure 3. The Country View Estates well is located approximately 1,200 feet east of the northeast corner of the subject property (see Figure 1).

## PUMP TEST

The pump tests and interpretation were used to estimate the hydraulic conductivity (K), transmissivity (T), and storage coefficient (S) of the confined aquifer underlying the property.

Four pump tests were conducted on the VanDuyn Land Company wells. With the exception of pump test #3, all pump tests consisted of 48 hours of pumping followed by a minimum of two days recovery. Pump test #3 was conducted on Well #2. During the test rapid drawdown was noted in the well and the test was aborted after six hours to avoid damaging the well or pump. Data from pump test #3 is not evaluated as part of this report, as the well appeared to produce little water on a sustained pumping basis. Results of the other three tests are presented below.

The 48-hour pumping period used in each test exceeds the minimum 5-hour test indicated by the Lane Code requirements. The tests were conducted for this extended amount of time in order to determine whether any effect on the observation well could be detected and identify any potential flow barriers further out in the aquifer.

Water levels were measured and recorded during the tests using pressure transducers and data loggers. Additionally, electronic water level readings were periodically collected as calibration and backup data. Appendix C contains a tabulation of the transducer data collected from all wells during the pump tests. Although water levels were recorded at varying intervals generally from one to ten minutes, for purposes of brevity, the data in Appendix C presents the recorded data in 10 minute intervals after the first hour of the test. Calculated elapsed time and water level drawdown calculations are displayed alongside the transducer data. These data were used to construct semi-log drawdown plots to estimate aquifer properties.

### Pump Test 1

Now Well #1

PFSI

Initial depth to water in Well #3 (the pumping well) was 12.60 feet on September 25, 2000. The pump was turned on the same day at approximately 12:30 PM. The well was pumped continuously at 35 gallons per minute (gpm) until 11:28 PM the same day, at which time the generator broke down. Pumping during this period produced 17.72 feet of drawdown. Over the next two days water levels recovered to within 3.45 feet of the original static water level, at approximately 16.05 feet below the top of the casing (btoc).

The pump was restarted on September 27, 2000 at 8:55 AM and the well was pumped continuously at 35 gpm for two days. Data from the completed pump test is presented in Table 2.

Table 2 Pump Test 1

Now Well #1

#1

Now #8

Well	▽ Initial	Pumping Rate	Distance from Pumping Well	Max Drawdown	Recovery observed (as % of total drawdown)
Well # 3 (Pumping Well)	16.05	35 gpm Pump On 08:55 9/27 Pump Off 09:03 9/29	na	28.26'	75% three days after pump shut off
Well #2 (Observation Well)	20.54	na	425 feet	0.27'	37%
Country View Well (Observation Well)	64.53	na	2,500 feet	0.087'*	na*

\* A maximum drawdown of 0.087 feet was noted in the Country View Estate Well approximately three days after the pump was shut off, shortly before the transducer was pulled from the well. It is likely that water level fluctuations in this well are a result of pumping on other nearby wells or natural seasonal variation.

The normal time/drawdown curve for the wells is presented in Figure 4. The semi-log time/drawdown curves for the pumping and Well #2 are presented in figures 5 and 6.

The time/drawdown curve for Well #3 exhibits classic (Theisian) behavior between the start of the pump test and time = 1000 minutes (16 hours). After this time the rate of head decline slows and the curve becomes relatively linear to the end of the test. This change indicates that water discharged during the test resulted, at least in part, from dewatering the surrounding fracture system.

Now #8

Well #2 responded almost immediately to pumping on Well #3, and over the next two days drew down approximately 0.27 feet. Cyclical peaks and valleys, with a wavelength of slightly over 12 hours were noted in the observation well. These peaks and may be tidal in nature. The relatively small amount of response observed in Well #2 supports the model of a poorly connected fractured rock aquifer.

The maximum drawdown (0.087 feet) observed in the Country View Estates well was noted approximately 2 1/2 days after the pump was shut off. This indicates that the drawdown in the well resulted from pumping on other nearby wells. A drawdown of -0.018 feet was noted in the well after approximately nine hours of pumping. It appears likely that the effects noted in the Country View Estates Well are primarily due to interference from the nearby Country View Estates or Cloud 9 community water supply wells. Additionally, the 12 hour cycles noted in Well #2 were also noted in the Country View Estates Well, to such a degree that they tend to obscure well effects from pumping on nearby wells.

Figure 6 presents the semi-log time drawdown graph for Well #3. It is important to note that the convex shape of the curve is atypical for a confined aquifer. The transmissivity of a fractured rock aquifer declines continuously with loss of saturated aquifer thickness. In order to estimate transmissivity for Well #3, calculations were based on the steepest portion of the drawdown curve, the most conservative estimation method available.

Figure 4 Pump Test #1  
Time Drawdown

Now  
Well #1

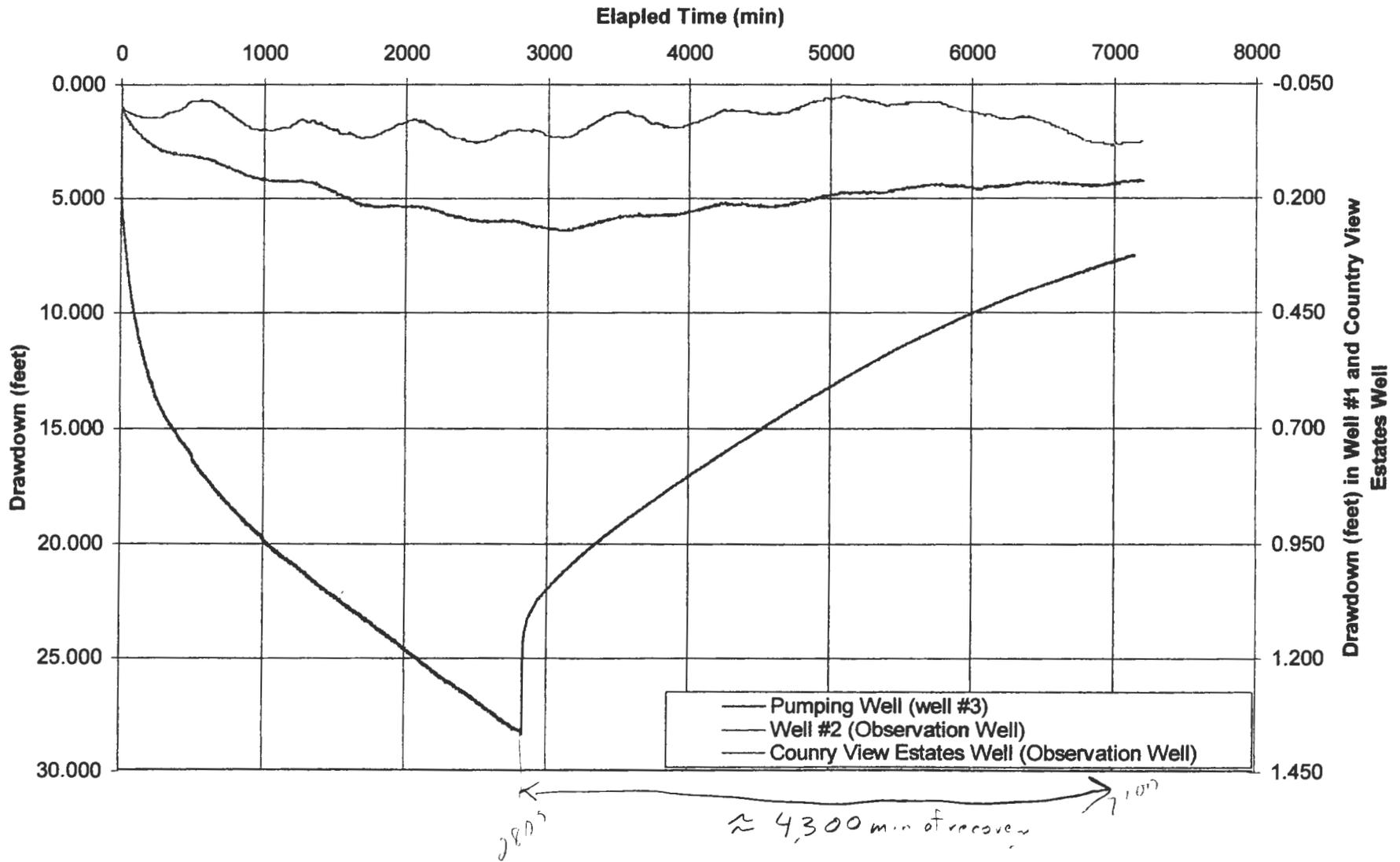
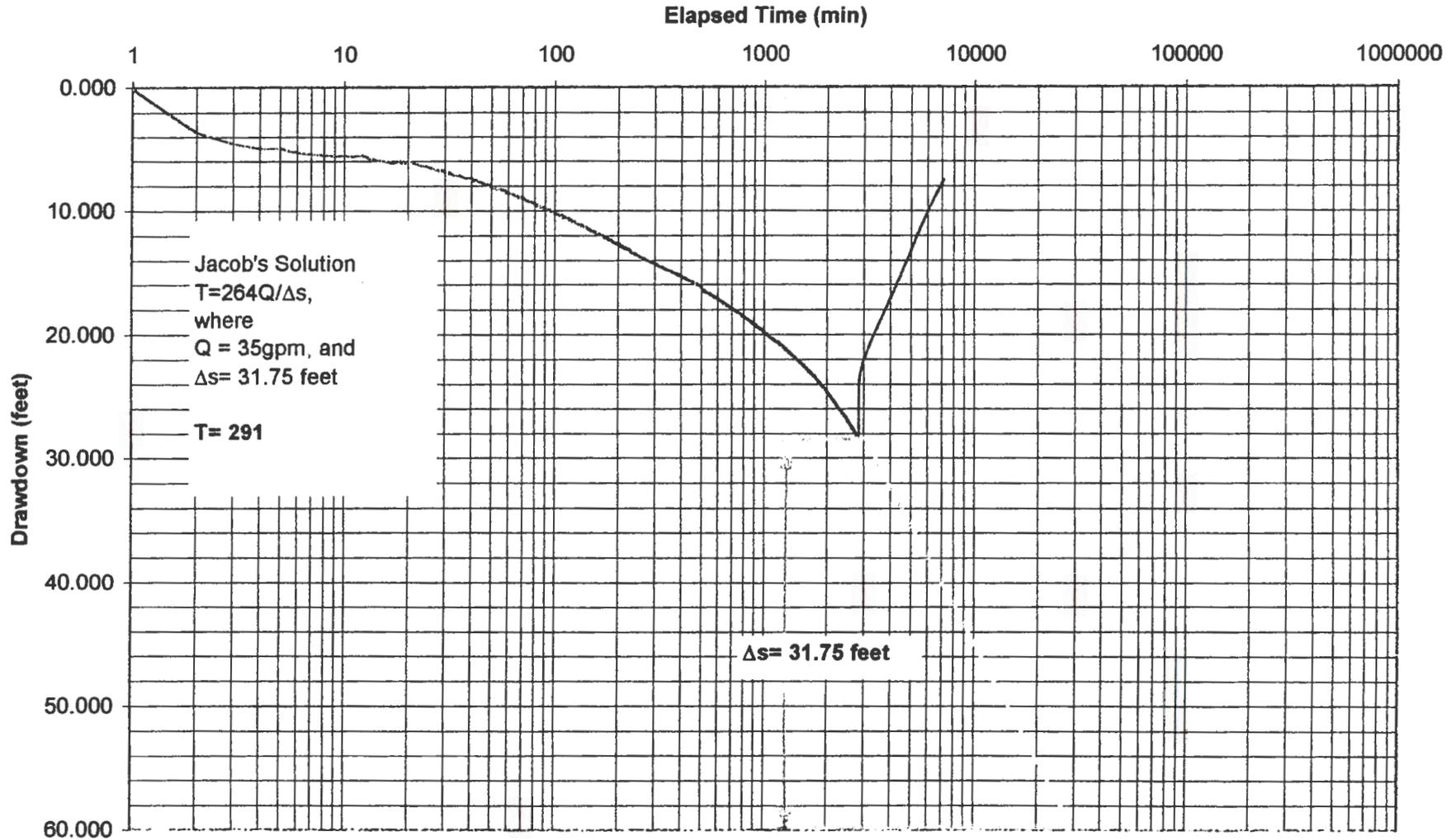


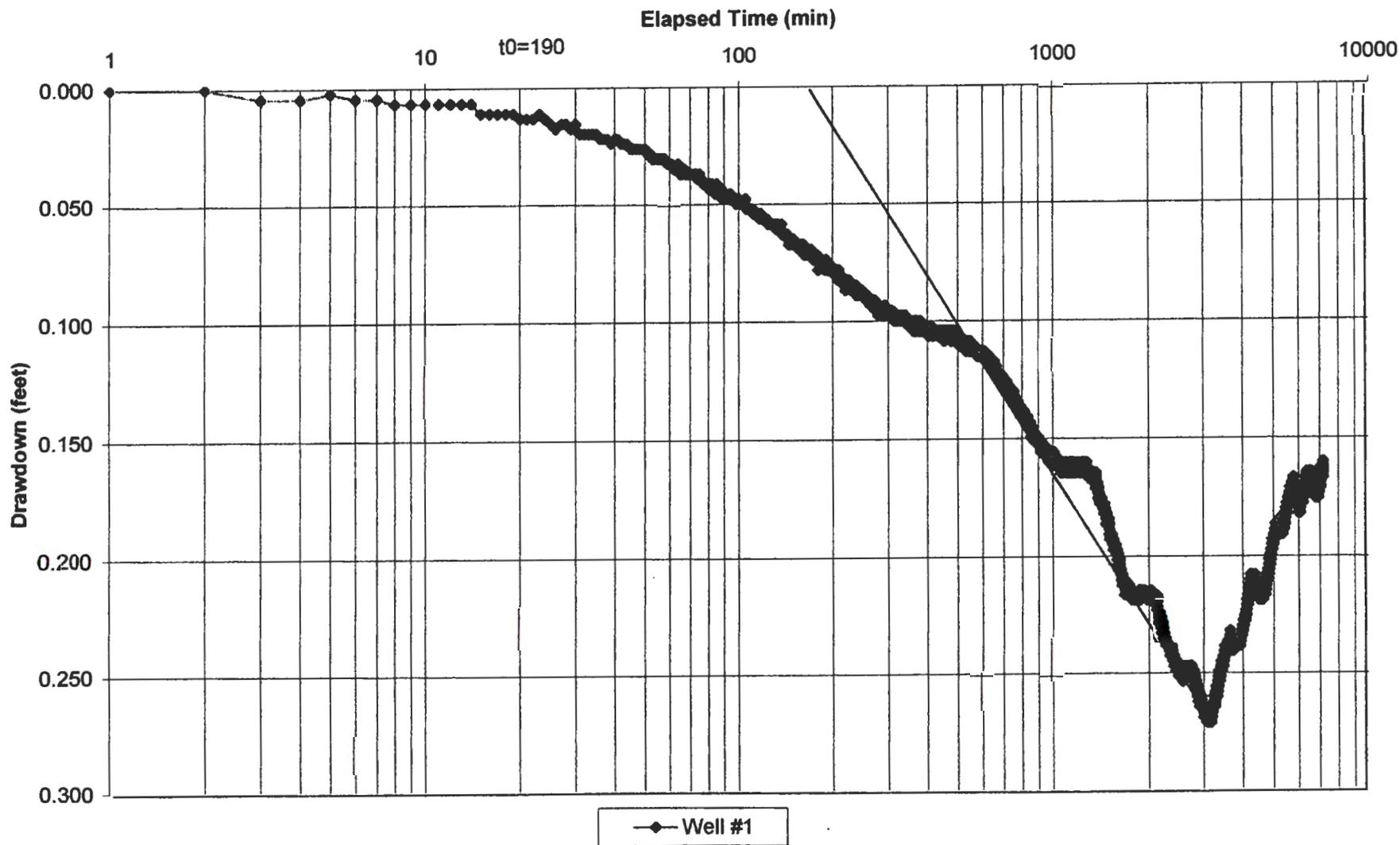
Figure 5 Pump Test #1  
Pumping Well Drawdown

*Now Well #1*



Formerly #2  
Now Well # ~~2~~ 8

Figure 6 - Pump Test #1  
Well #1 (observation Well)



**Pump Test 2**

*Now #2*

Well #5 was pumped continuously at 25 gpm for two days starting on October 31, 2000. Data from Pump Test 2 is presented in Table 3.

**Table 3 Pump Test 2**

Well	$\nabla$ Initial	Pumping Rate	Distance from Pumping Well	Max Drawdown	Recovery observed (as % of total drawdown)
<i>#2</i> Well # 5 (Pumping Well)	89.34	25 gpm Pump On 12:52 10/31 Pump Off 13:10 11/2	na	32.89'	78% four days after pump shut off
<i>#1</i> Well #3 (Observation Well)	15.16	na	850 feet	na*	na*
<i>#1</i> Well #1 (Observation Well)	24.49	na	950 feet	na*	na*

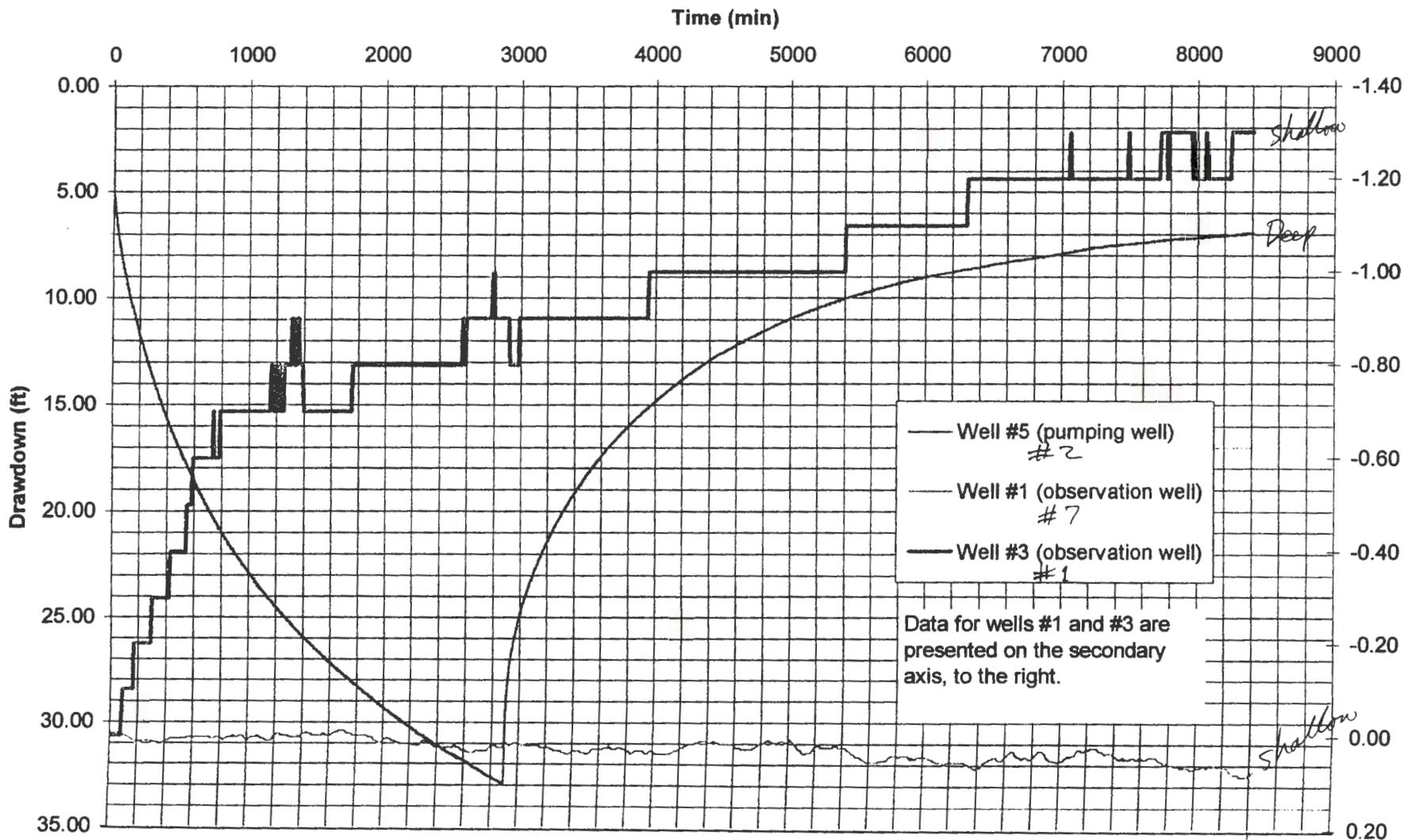
The normal time/drawdown curve for the wells is presented in Figure 7. The semi-log time/drawdown curve for the pumping well is presented in figure 8.

The time-drawdown curve for Well #5 generally reflects confined aquifer behavior. However, the shape of the time drawdown curve is not Theisian. The behavior of the well during pumping indicates that a portion of the water produced during the well test was drawn from a finite fracture system.

No response to pumping was noted in either observation well during the pump test. Well # 3, approximately 850 feet northeast of Well #5 underwent uninterrupted recovery, gaining approximately 1.0 foot of head, throughout the drawdown and recovery portion of the test. The recovery throughout the test suggests the possibility that this well had been drawn down by pumping on some other well in the area, prior to the start of the pump test. Small fluctuations in water level were noted in Well #1 during the test. There does not appear to be a correlation between the small changes noted in the well and the pump test conducted on Well #5. The top of the screened interval in Well #5 is 47 feet below the bottom of the screened interval in Well #3 and 22 feet below the bottom of the screened interval in Well #1.

Figure 8 presents the semi-log time drawdown graph for Well #5. The initial convex shape of the curve is typical for a confined aquifer. At approximately 1,000 minutes, the curve reaches straight line conditions. The slope of this line remains linear throughout the duration of the test. The line represents the steepest portion of the curve, and it is this portion of the curve on which the estimates of transmissivity were based, since it will yield the lowest transmissivity value.

**Figure 7 Aquifer Test #2  
Time Drawdown**



— Well #5 (pumping well)  
#2  
— Well #1 (observation well)  
#7  
— Well #3 (observation well)  
#1

Data for wells #1 and #3 are presented on the secondary axis, to the right.

3100

8400  
recovery  
≈ 53% in 20 min of recovery

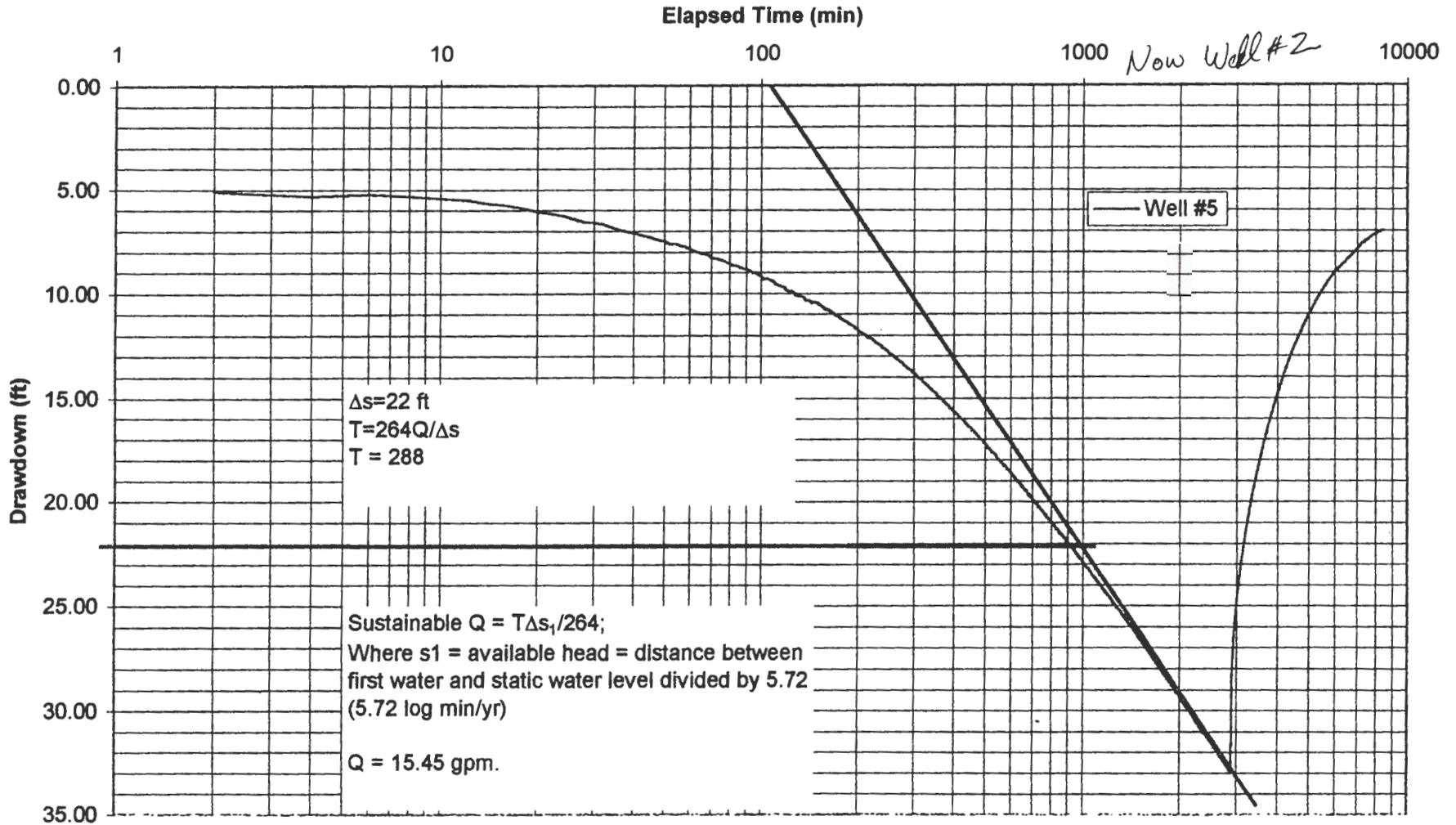
8400

shallow

Deep

shallow

**Figure 8 Aquifer Test #2  
Semi Log Time/Drawdown**



① Pump Test # 3 - Aborted after 6 hrs - insufficient H<sub>2</sub>O

**Pump Test #4** Now Well # 3

Well #6 was pumped continuously at 15 to 18 gpm for two days starting on November 28, 2000. Data from Pump Test 4 is presented in Table 4.

**Table 4 Pump Test 4 Data**

Well	∇ Initial	Pumping Rate	Distance from Pumping Well	Max Drawdown	Recovery observed (as % of total drawdown)
Well # 6 (Pumping Well)	16.08	18 gpm Pump On 11:50 11/28 Pump Off 12:15 11/30	na	4.15'	71% four days after the pump was shut off
Well #5 (Observation Well)	92.73	na	400 feet	na*	na*
Well #3 (Observation Well)	14.58	na	1,100 feet	na*	na*

The normal time/drawdown curve for the wells is presented in Figure 9. The semi-log time/drawdown curve for the pumping well is presented in Figure 10.

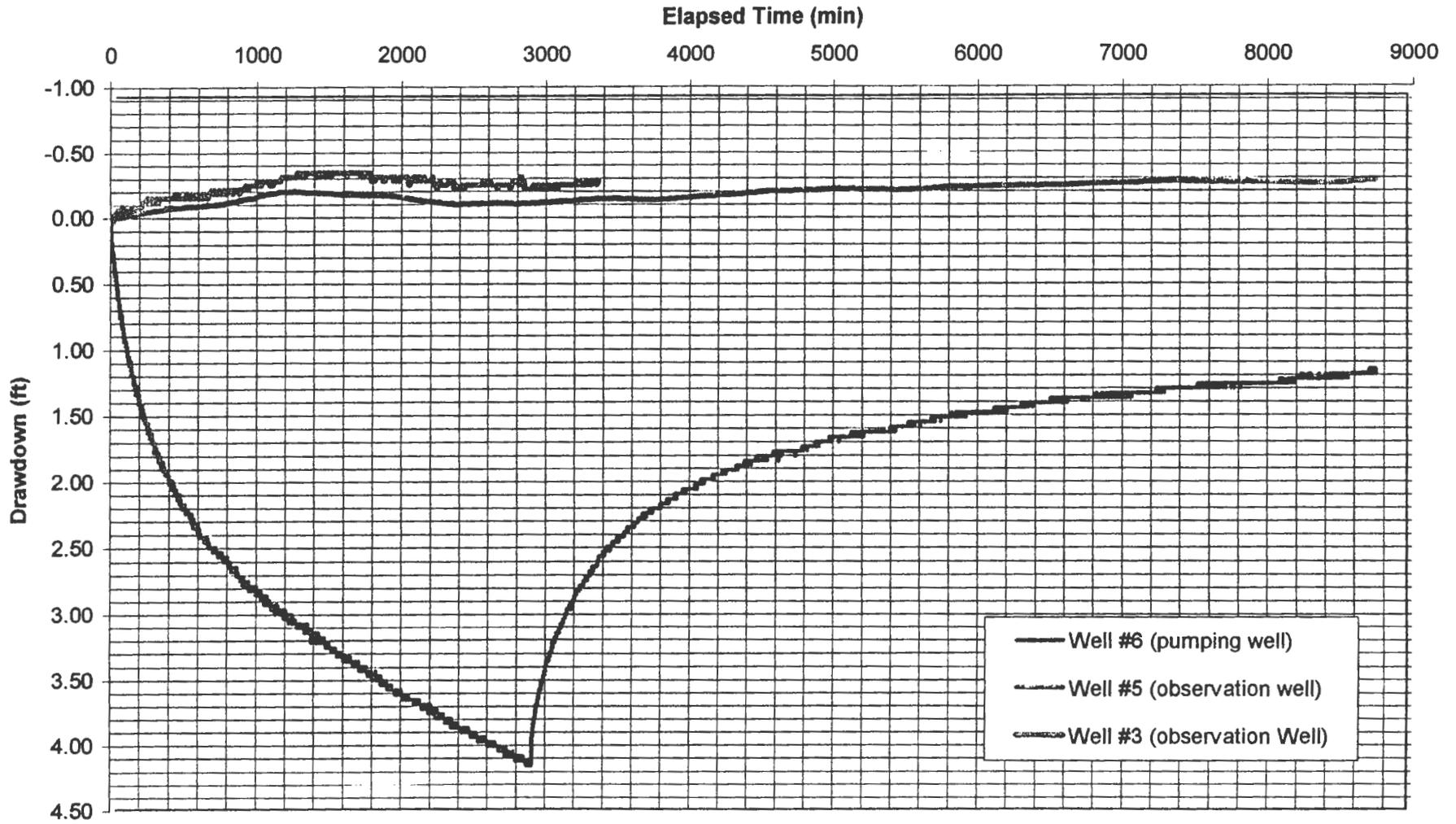
The pumping rate for Well #6 was initially set at 15 gpm. After approximately 30 minutes of pumping at that rate, the well had only drawn down 0.4ft. Over the next 20 minutes, the pump rate was increased to approximately 18 gpm.

As in pump test #1, after an initial relatively rapid flattening in slope of the time drawdown curve for the pumped well (the first approximately 1000 minutes of the test) the normal drawdown in the well became relatively linear, with only a slight drop in rate of drawdown with time to the end of the test. Again this is to be expected in a fractured rock aquifer where the water discharged during the test results in part from dewatering a finite fracture system.

Wells #'s 3 and 5 showed no response to pumping in Well #6. Both wells were initially in recovery at the start of the test until approximately 1200 minutes into the test, at this point the recovery leveled off and a segment of drawdown or decrease in head was noted until approximately 2300 minutes into the test (Figure 9). The curve then levelled off until approximately 2900 minutes into the test. After this time Well #5 recovered until the end of the test. No data is available for Well #3 after approximately 3200 minutes as the data logger malfunctioned and collected no more data.

The semi-log time drawdown curve for Well #6 is similar to the earlier tests in that large portions of the curve are convex rather than linear. The segment of the curve between zero and 200 minutes is convex reflecting typical early pump test behavior. At approximately 200 minutes, the curve straightens out and maintains a slope ( $\Delta s$ ),  $\Delta s$  is change in head over one log cycle, of approximately 2.1 until approximately 700 minutes. At 700 minutes, the  $\Delta s$  briefly decreases and then resumes the  $\Delta s$  of 2.1 until approximately 1500 minutes. This jog in the slope may be explained as recharge from approximately 0.37 inches of rain received in the Eugene area between the evening of November 28<sup>th</sup> and the

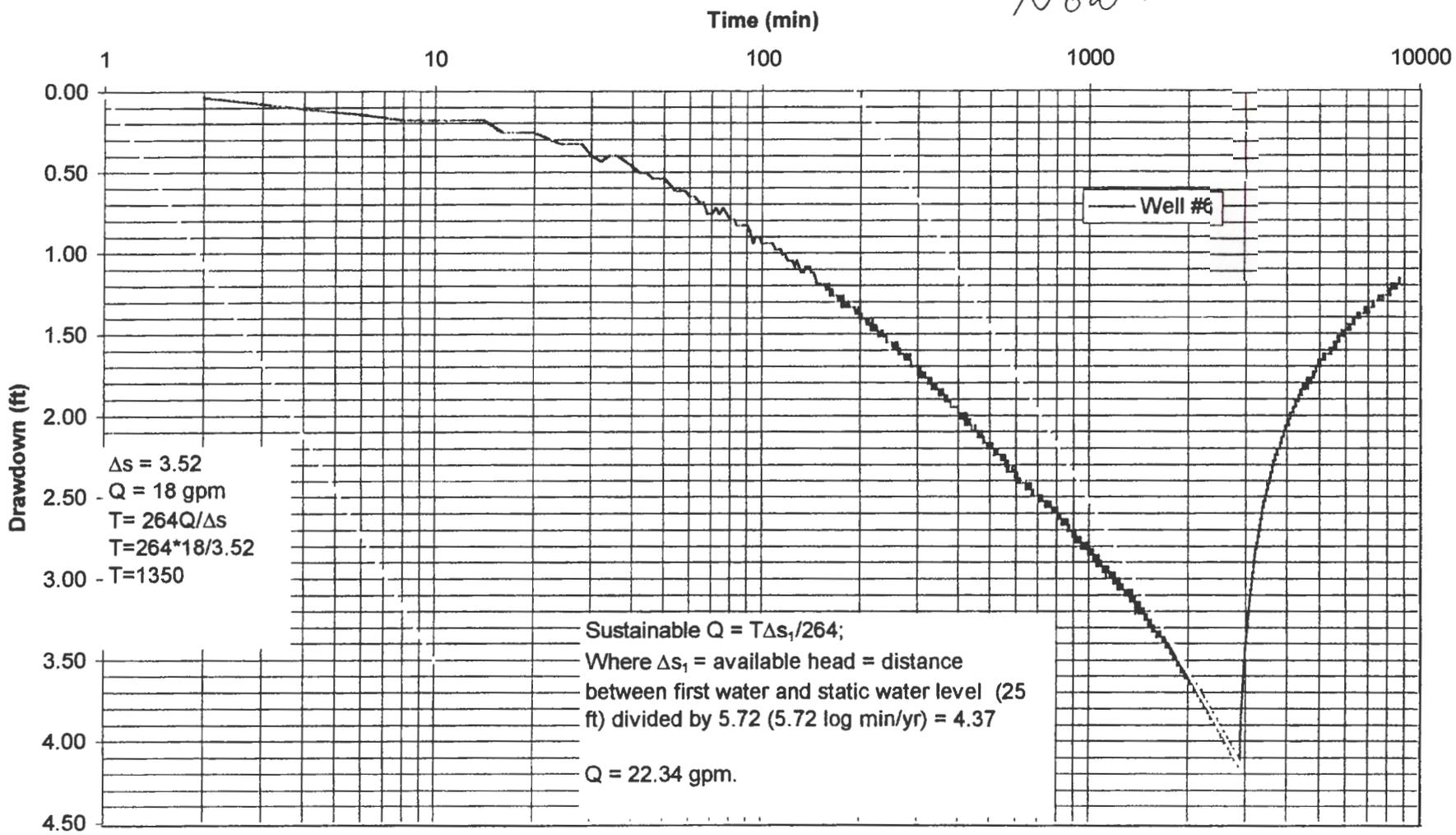
Figure 9 Pump Test 4  
Time/Drawdown



**Figure 10 Pump Test 4  
Pumping Well Semilog Drawdown**

*Formerly #6  
Now #3*

*shallow Aquifer*



morning of November 29<sup>th</sup>. At 1500 minutes the slope of the line again begins to curve and maintains the curve until approximately 2200 minutes. At 2200 minutes, the curve again becomes linear and maintains a slope of 3.52 for the remainder of the test (until 2906 minutes). It is this steep slope (3.52) upon which Transmissivity estimates for the well test are based.

## AQUIFER TEST ANALYSIS

Three primary characteristics of the aquifer are needed to assess aquifer potential: hydraulic conductivity, transmissivity, and storage coefficient (or specific yield). These properties were estimated by interpreting the pump test data with mathematical models.

Transmissivity (T) is the rate at which water is transmitted through a 1-foot-wide vertical section of the entire thickness of the aquifer under a unit hydraulic gradient. More intuitively, T is a measure of how easily water moves through a formation of a given thickness. The units of T used in this report are gallons per day per foot (gpd/ft).

Hydraulic Conductivity (K) is a measure of the rate at which water can be transmitted through a unit area under a unit hydraulic gradient. It is directly proportional to T ( $T=K$  multiplied by the formation thickness). The units of K used in this report are gallons per day per square foot (gpd/ft<sup>2</sup>).

In confined aquifers the storage coefficient (S) represents the volume of water that an aquifer releases from storage per unit area per unit decline in hydraulic head (a dimensionless value) and typically ranges between  $10^{-3}$  and  $10^{-5}$ . In unconfined aquifers, S is known as the specific yield ( $S_y$ ) and also represents volume of water released from the aquifer, except it is per unit decline in the water table and typically ranges from 0.01 to 0.5. The higher S value in unconfined aquifers is due to an actual dewatering of the soil pores, as opposed to the secondary effects in confined aquifers of water expansion and aquifer compaction. Based on the nature of the deposit beneath the property, the aquifer beneath the property is primarily confined, so it will have a storage coefficient between 0.01 and 0.00001.

Examination of the drawdown data indicates the response to pumping resembles neither that of an unconfined aquifer nor that of a typical confined aquifer. Estimating aquifer properties for a confined fractured rock aquifer is difficult without detailed knowledge of local lithology, fracture shape and distribution, orientation, and size.

Though relatively complex models for interpretation of fractured rock aquifer pump test data are available, most require a more thorough knowledge of local subsurface conditions than is available for this area.

In order to prepare a gross conservative estimate of aquifer characteristics, the most suitable and simple mathematical model for interpretation is the Jacob's<sup>5</sup> modification of

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<sup>5</sup> Jacob C.E. 1946b. Drawdown test to determine effective radius of artesian well. *Trans. Am. Society of Civil Engineer.* Vol.112. pp 1047-1070.

the Theis<sup>6</sup> nonequilibrium equation. Like all mathematical models, application of the Jacob equation requires certain simplifying assumptions apply to the aquifer. These assumptions and the degree to which they are satisfied by the aquifer are noted below.

- The exponential integral of  $\mu$  is sufficiently small to simplify the Theis equation to the Jacob solution. *In this example (for pump test #1)  $\mu$  is approximately less than 0.005 for a day-long test and over a half a year it is less than 0.00006, sufficiently small for a simple solution. Simplification error introduced by the Jacob solution is checked by calibrating drawdown results with Theis solution.*
- Aquifer has infinite areal extent. *No aquifer actually has an infinite areal extent. However, because the areal extent of the aquifer is much larger than the study area, it can usually be assumed infinite for the purposes of the model.*
- Aquifer is homogeneous, isotropic, and of uniform thickness. *An aquifer composed of alluvium and fractured bedrock is not isotropic or homogeneous. This aquifer is probably also of variable thickness. However, over a large enough area, the aquifer begins to take on the characteristics due to scale changes relative to the inhomogeneity. Therefore, the response to pumping in real aquifers (which are rarely perfectly homogeneous, isotropic, or uniform in thickness) can be interpreted.*
- Aquifer potentiometric surface is initially horizontal. *The subject property is at the base of the Cascade Range foothills, so the underlying aquifer surface was probably not initially horizontal. Initial static water elevations in observation wells indicate that the potentiometric surface beneath the site is highly variable but generally slopes to the north. Because  $T$  can be calculated without observation well data, but storage cannot, not meeting this assumption has little effect on the results of these pump tests, with the exception of pump test #1 (the only test in which Storage was calculated).*
- The aquifer receives no recharge from any source. *A small amount of rain was recorded by the local weather station during Pump Test #4. However, effect of discharge from the aquifer due to pumping far overshadows recharge effects during the pumping tests and this assumption is essentially met.*
- The pumping well is fully penetrating. *The pumping wells are probably not fully penetrating. Therefore, aquifer potential (yield per feet drawdown) will be underestimated because some of the groundwater produced by the well must travel upward through a smaller cross-sectional area.*
- Flow to pumping well is horizontal and laminar. *We do not have enough information to determine if flow to the well is exclusively horizontal and laminar. On average, flow to the well is expected to be primarily horizontal and laminar.*
- All water removed from the well comes from aquifer storage. *This criteria is essentially met except as addressed above.*
- Aquifer is confined. *This aquifer appears to be confined.*
- Flow is unsteady. *Flow in the aquifer is unsteady.*
- The pumping well is 100 % efficient. *The wells are not perfectly efficient, since there*

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<sup>6</sup> Theis C.V. 1935. *The relation between the lowering of the piezometric surface and the rate and duration of discharge of a well using groundwater storage.* Trans. Amer. Geophys. Union. 2 pp. 519-524.

*probably are head losses at the intake. Head loss due to friction at the intake will imply a greater aquifer response to pumping than is truly happening in the aquifer, yielding a more conservative estimate of transmissivity.*

- Diameter of pumping well is small so that the storage in the well can be neglected. *The volume of water in the well is negligible compared to the volume of water in storage in the surrounding aquifer and compared to the volume pumped during the test.*

Experience has shown that even though real aquifers are rarely as simply as the model requires, the Jacob method yield results of sufficient accuracy for most engineering purposes<sup>7</sup>.

### **Pump Test #1**

In order to interpret the drawdown data for the constantly changing slope observed in semilog plots of Pump Test #1 data, transmissivity estimates were based on the steepest portion of the slope. Interpretation of the drawdown and recovery responses yields a transmissivity of the aquifer of 291 (gpd/ft). Assuming an aquifer thickness of 43 feet, the hydraulic conductivity is approximately 6.7gal/day/ft<sup>2</sup>, well within the range commonly observed for fractured bedrock aquifers<sup>8</sup>. Transmissivity was estimated at 42,000 gpd/ft using observation well data. This number is spurious and is indication of a poor hydraulic connection between the Well #2 and the fracture system penetrated by Well #3.

The storage coefficient can only be calculated from the observation well data (see figure 6). Based on the test results the storage coefficient is approximately 0.00007, which is well within the range of those typically seen in confined and fractured aquifers.

The calculated transmissivity (T) and storage coefficient (S) were inserted back into the full Theis equation to confirm that the drawdown observed in Well #2 matches the drawdown predicted by the model. Using the full Theis equation plugging in the values of Transmissivity and Storativity (42,000 gpd/ft and 0.00007, respectively) calculated using the Jacob on data from Well #2 predicted a drawdown in the well of 0.87 feet. The observed drawdown in the well was approximately 0.27 ft. The predicted drawdown differs from the observed drawdown by a factor of 3. This difference indicates non-Theisian behavior.

A similar calibration was performed on the pumping well using the storage estimate from Well #2 and the Transmissivity calculated from Well #3 (the pumping well). A radius of 0.25 feet was used for the calculation. The predicted drawdown for the well was approximately 258 feet. Since only 28 feet of drawdown were observed in the well, this is not a particularly good fit. The discrepancy indicates that the aquifer is not homogenous or isotropic and that its behavior is non-theisian.

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<sup>7</sup> Driscoll F.G. 1986. *Groundwater and Wells 2<sup>nd</sup> Ed.* Johnson Screens, St. Paul, MN. P.266.

<sup>8</sup> Freeze R.A. Cherry J.A. 1979. *Groundwater.* Prentice Hall. Toronto ON. p.29

*It is important to note that the behavior of the pumped aquifer is fundamentally non-Theisian. As such, without a very thorough and site specific knowledge of subsurface conditions, no analytical model is available which closely matches the observed pump test data. Therefore the use of the Jacob method and the Theis well function equations, while they may not specifically apply to the site, is the best available approximation and tend to be conservative (underestimate true T and K).*

Calibration calculations for the pump test are included in Appendix D.

In order to determine a sustainable pumping rate for the pumping well it was assumed that no recharge occurs to the aquifer for six months of the year (a very conservative assumption). The available water for use was considered to be the distance between the top of the first water bearing zone and the static water level in the well (approximately 32 feet of head). By projecting a straight line from time = 0 to the intersection of time = 180 days (the maximum time in which no significant recharge to the aquifer is likely to occur) and drawdown = 32 feet (the available head or the difference between the static water level in the well and the depth at which water was first encountered), a  $\Delta s$  of 6 feet was calculated (see figure 11). On the basis of the known transmissivity (291 gpd/ft) and the known  $\Delta s$ , a sustainable pumping rate of 6.6 gpm was calculated. Plugging the same parameters into the Theis well function yields a drawdown of approximately 60 feet. As a further indication of non-Theisian behavior, this means that the well may not produce a full 6.6 gallons per minute. However, based on the above described calculations, and experience in similar aquifers, it is likely the well will produce somewhere between four and six gallons per minute.

## **Pump Test #2**

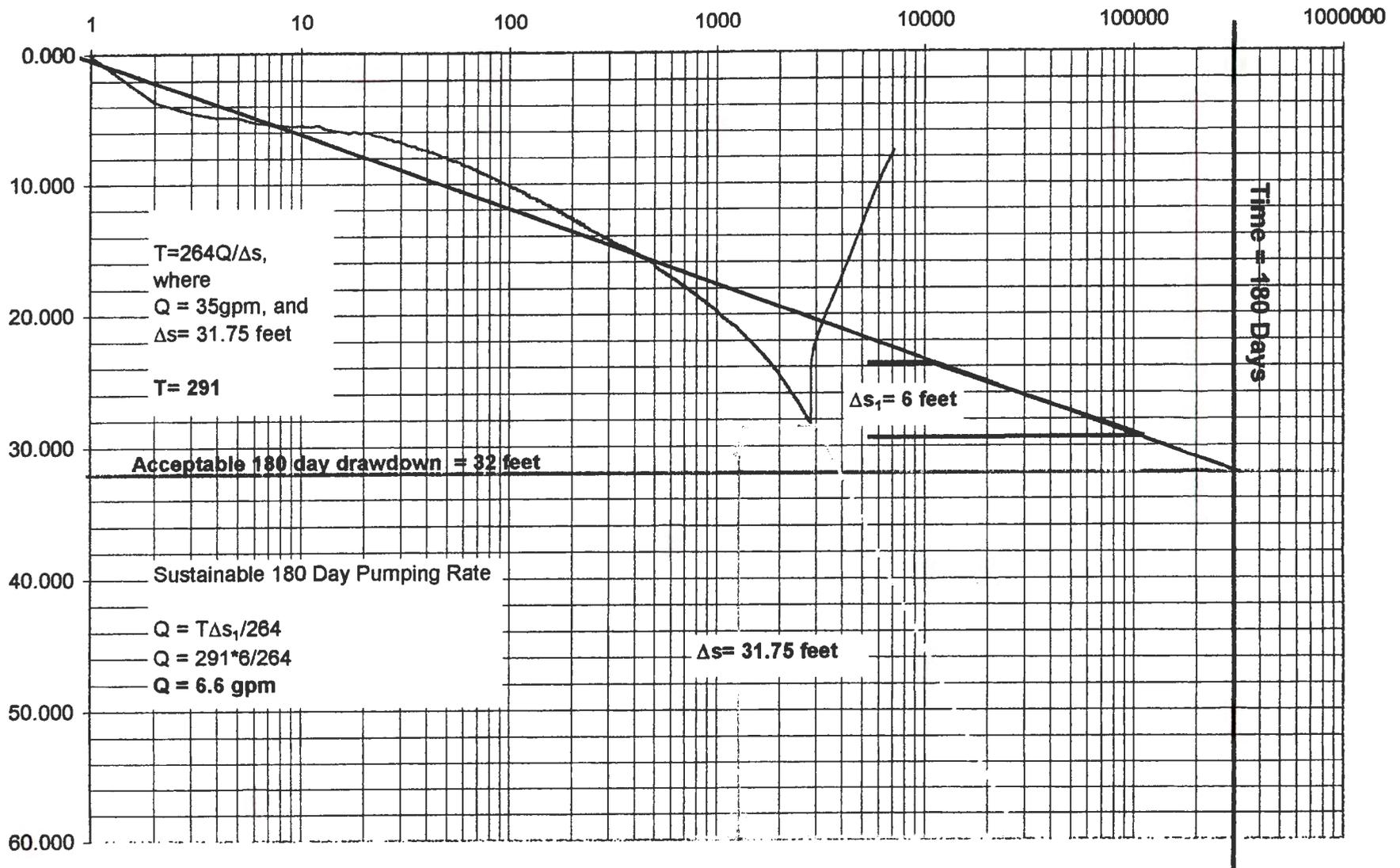
In order to interpret the drawdown data for the slope observed in semilog plots of Pump Test #2 data for Well #5, transmissivity estimates were based on the steepest portion of the slope. Interpretation of the drawdown and recovery responses yields a transmissivity of the aquifer of 288 (gpd/ft). Assuming an aquifer thickness of 17 feet, the hydraulic conductivity is approximately 16.9 gal/day/ft<sup>2</sup>, well within the range commonly observed for fractured bedrock deposits<sup>9</sup>.

The calculated transmissivity 288 and storage coefficient from Pump Test #1 were inserted back into the full Theis equation to confirm that the drawdown observed in Well #5 matches the drawdown predicted by the model. Using the full Theis equation plugging in the values of Transmissivity and Storativity (288 gpd/ft and 0.00007, respectively) calculated using the Jacob method predicted a drawdown in the well of 186 feet. The observed drawdown in the well was approximately 33 feet. The results of the calibration indicate that the Storage and Transmissivity estimates based on the Jacob Solution for the Pump Test 2 data are low (conservative). By increasing the Storage by a factor of ten and the Transmissivity by a factor of 5, the Theis equation yields a predicted drawdown of 36.51, much closer to what was observed in the Pump Test #2 data.

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<sup>9</sup> Freeze R.A. Cherry J.A. 1979. *Groundwater*. Prentice Hall. Toronto ON. p.29

**Figure 11**  
**Pump Test #1 - Predicted Sustainable Pumping Rate**



*The behavior of this aquifer is non-Theisian. Evaluation of pump test data by the Theis Method or Theis-Method derived methods appears to underestimate storage and transmissivity and overestimate drawdown. Therefore application of the Theis and Jacobs Methods to pump test data should yield conservative results. The value T calculated using the Jacob Method on data from Well #5 will be used in calculating a sustainable pumping rate because it is both reasonable and conservative.*

Calibration calculations for the pump test are included in Appendix D.

Sustainable pumping rate was based on a modified Jacobs Method where:

$$\text{Sustainable } Q = T\Delta s_1/264$$

$s_1$  = distance between first water and the static water level/5.72 (5.72 log minutes/year)

$$s_1 = 70/5.72 = 14$$

$$Q = 288 * 14 / 264 = 15.3 \text{ gpm}$$

It appears that Well #5 can be sustainably pumped at 15 gpm over the course of a year with no recharge.

#### **Pump Test #4**

In order to interpret the drawdown data for the slope observed in semilog plots of Pump Test #4 data for Well #6, transmissivity estimates were based on the steepest portion of the slope. Interpretation of the drawdown and recovery responses yields a transmissivity of the aquifer of 1350 (gpd/ft). Assuming an aquifer thickness of 25 feet, the hydraulic conductivity is approximately 54 gal/day/ft<sup>2</sup>, well within the range commonly observed for fractured bedrock deposits<sup>10</sup>.

The calculated transmissivity 1350 gpd/ft and storage coefficient from Pump Test #1 were inserted back into the full Theis equation to confirm that the drawdown observed in Well #6 matches the drawdown predicted by the model. Using the full Theis equation plugging in the values of Transmissivity and Storativity (1350 gpd/ft and 0.00007, respectively) predicted a drawdown in the well of 31.13 feet. The observed drawdown in the well was approximately 4.15 feet. The results of the calibration indicate that the Storage and Transmissivity estimates based on the Jacob Solution for the Pump Test 4 data are low. By increasing the Storage by a factor of ten and the Transmissivity by a factor of seven, the Theis equation yields a predicted drawdown of 4.40, much closer to what was observed in the Pump Test #4 data.

*The behavior of this aquifer is non-Theisian. Evaluation of pump test data by the Theis Method or Theis-Method derived methods appears to underestimate storage and transmissivity and overestimate drawdown. Therefore application of the Theis and Jacobs Methods to pump test data should yield conservative results. The value T calculated using the Jacob Method on data from Well #6 will be used in calculating a sustainable pumping rate because it is both reasonable and conservative.*

---

<sup>10</sup> Freeze R.A. Cherry J.A. 1979. *Groundwater*. Prentice Hall. Toronto ON. p.29

Calibration calculations for the pump test are included in Appendix D.

Sustainable pumping rate was based on a modified Jacobs Method where:

$$\text{Sustainable } Q = T\Delta s_1/264$$

$s_1$  = distance between first water and the static water level/5.72 (5.72 log minutes/year)

$$s_1 = 25/5.72 = 4.37$$

$$Q = 1350 * 4.37 / 264 = 22.34 \text{ gpm}$$

It appears that Well #6 can be sustainably pumped at 22.34 gpm over the course of a year with no recharge. It is important to note that this pumping rate is based on the transmissivity calculated above. The value of 1350 was based on the steepest straight line section of the time drawdown semilog curve late into pump test #4.

## WATER USE

A conservative (high) estimate of the water needed to supply a single-family dwelling is 0.35 gpm or 500 gpd on an annual basis. Peak use (during the irrigation months of July and August) is expected to be three times average use or 1.05 gpm (1500 gpd). Therefore, maximum peak use expected in the completed development (27 units) will be approximately 28.35 gallons per minute. Well #3, Well #5, and Well #6 have a combined output of approximately 41 gallons per minute. This appears to be adequate to meet the needs of the proposed subdivision.

Each pump test conducted as part of this aquifer study indicates that pumping the Wells 3, 5, and 6 at their sustainable rate will not adversely affect neighboring properties.

During pump test 1, no effect was noted in the Country View Estates well after pumping on Well #3 at somewhere between six and eight times its sustainable rate. A Theis Method drawdown calculation using the spuriously high Transmissivity (43,000 gpd/ft) and Storage calculated on the basis of Well #2 data indicates that at least 0.5 feet of drawdown should have been produced in the Country View Estates Well during the two days of pumping on Well #3. If we use the Transmissivity from the pumping well (291 gpd/ft), pumping on Well #3 should have produced over 4 feet of drawdown in the Country View Estates Well. No response to pumping on Well #3 was noted in the Country View Estates Well during the aquifer test - indicating that the fractures penetrated by the wells do not appear to be hydraulically linked. Based on the absence of response in neighboring wells, it is unlikely that pumping on Well #3 at its sustainable pumping rate would adversely affect wells on the Country View Estates or Cloud 9 subdivisions to the east or other nearby residences.

Similarly, Pump Tests #2 and #4 failed to produce responses in observation wells (which were within the theoretical cone of depression) chosen for their position between the pumping wells and nearby potential water users. This may indicate that Storage and Transmissivity estimates for the aquifer are gross underestimates and that the likelihood of adversely impacting nearby properties by a cumulative pumping rate of 28 gpm is negligible.

To determine if sufficient recharge to the aquifer for the proposed residential use is likely to occur on the property, a conservative estimate of recharge was made for the property. Assuming 5% of average mean rainfall is available for aquifer recharge yields an annual recharge for the site of 0.21 feet per year (USGS estimate Eugene area aquifer recharge at 1 foot per year<sup>11</sup>). Annual recharge necessary for domestic use, assuming 500 gallons per day per household, can occur on approximately 2.72 acres, indicating that no net aquifer depletion will occur at the proposed residential density. A similar calculation using the Thornthwaite-Mather Method indicated that the annual necessary recharge can occur on 2.08 acres (see Appendix D).

---

<sup>11</sup> USGS. 1998. Hydrogeologic Framework of the Willamette Lowland Aquifer System. Oregon and Washington. Table 10. P. B57.

## LIMITATIONS

The aquifer test analysis presented above is based on assumptions which are conservative. Pump test analyses yield results which are true for the time of the pump test. Actual aquifer behavior may vary significantly with extended pumping time and rate. However, the estimates given herein are based on commonly accepted practices and methods.

## CONCLUSIONS

The combined sustainable pumping rate of Wells #3, #5, and #6 appears to be adequate to meet the needs of the proposed 27 unit, 10-acre subdivision. Pumping on these wells at sustainable rates is unlikely to adversely impact surrounding properties.

Per Lane County Code 13.050 (Appendix A), in our professional opinion, we conclude that the underlying aquifer will yield an adequate residential water supply for the proposed development without depleting the aquifer or adversely affecting wells on adjacent properties.

Irrigation of more than ½ acre is prohibited by the Oregon Water Resources Department without a Water Right.

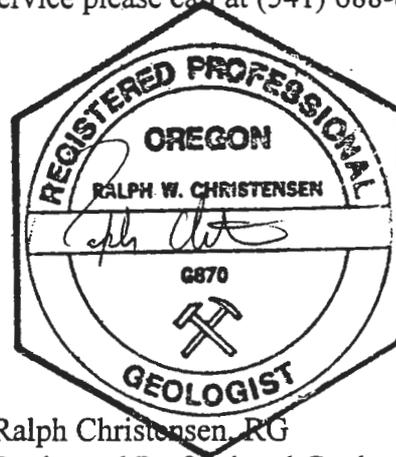


If we can answer any questions or be of any further service please call at (541) 688-8322.

Respectfully submitted,  
*EGR & Associates, Inc.*



Geoff Brown  
Geologic Associate



Ralph Christensen, R.G.  
Registered Professional Geologist

**LAW OFFICE OF BILL KLOOS, PC**

OREGON LAND USE LAW

576 OLIVE STREET, SUITE 300  
EUGENE, OR 97401  
PO BOX 11906  
EUGENE, OR 97440  
TEL (541) 343-8596  
FAX (541) 343-8702  
E-MAIL BILLKLOOS@LANDUSEOREGON.COM

January 12, 2004

Mr. Jerry Gainey  
Water Resources Department  
North Mall Office Building  
725 Summer Street NE, Suite A  
Salem, OR 97301-1271

Re: Application G-15800

Dear Mr. Gainey:

You have my December 17, 2004 letter explaining that our surveyor responsible for mapping was out of action with the flu. He is with us again and has completed the mapping. Enclosed for filing are four copies of a final map that add the two new wells, nos. 5 and 6. These were drilled with preapproval by your department to the required depth.

This final version of the map also shows the platted lot lines for the 27 lots in this subdivision. Adding this information was possible once the subdivision was finally platted on June 30, 2004. The added data is informative and does not clutter the map. Please advise if you do not want the lot lines shown.

Thank you for your patience with this.

Sincerely,

Bill Kloos

C: Scott Goebel  
Mike Stevenson  
Ramon Fisher

Reply-To: <billkloos@landuseoregon.com>  
From: "Bill Kloos" <billkloos@landuseoregon.com>  
To: "Jerry Gainey" <Jerry.W.GAINey@wrд.state.or.us>  
Cc: <scott@ordata.com>, "Lois Stevenson" <ibelois@aol.com>, "Mike Stevenson" <kneedeepcattleco@msn.com>  
Subject: Van Duyn Land Co; Application G-15800  
Date: Fri, 17 Dec 2004 16:53:27 -0800  
Organization: Law Office of Bill Kloos, PC  
X-Security: MIME headers sanitized on kettle.wrд.state.or.us  
See <http://www.impsec.org/email-tools/sanitizer-intro.html>  
for details. \$Revision: 1.139 \$Date: 2003-09-07 10:14:23-07  
X-Mailer: Microsoft Outlook, Build 10.0.6626  
Importance: Normal  
X-Virus-Scanned: by amavisd-new-20030616-p10 at safesecureweb.com  
X-Spam-Checker-Version: SpamAssassin 2.63 (2004-01-11) on kettle.wrд.state.or.us  
X-Spam-Status: No, hits=1.7 required=5.0 tests=EXCUSE\_16,FORGED\_OUTLOOK\_TAGS,HTML\_40\_50,HTML\_MESSAGE autolearn=no version=2.63  
X-Spam-Level: \*

Jerry,

Thanks for your voice message. I sent off the attached letter today.

Bill Kloos  
Law Office of Bill Kloos, PC  
PO Box 11906  
576 Olive Street, Suite 300  
Eugene, OR 97440  
Phone: (541)343-8596  
Fax: (541)343-8702  
e-mail: [billkloos@landuseoregon.com](mailto:billkloos@landuseoregon.com)  
Web [www.LandUseOregon.com](http://www.LandUseOregon.com)

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Ltr WRD Dec 17 2004.doc

**LAW OFFICE OF BILL KLOOS, PC**

OREGON LAND USE LAW

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EUGENE, OR 97440  
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FAX (541) 343-8702  
E-MAIL BILLKLOOS@LANDUSEOREGON.COM

December 17, 2004

Mr. Jerry Gainey  
Water Resources Department  
North Mall Office Building  
725 Summer Street NE, Suite A  
Salem, OR 97301-1271

Re: Application G-15800

Dear Mr. Gainey:

Thank you for your letter dated November 22, 2004 on this matter, which requested a revised mapping of wells authorized by the permit.

Since we last communicated on this matter, two new wells were drilled at locations approved by the department and at depths required by the department. Those wells have been pump tested and tied to the community water system, which is still under construction. Upon receiving your letter, Goebel Engineering and Surveying surveyed in the locations of the wells, so that they can be shown on a revision of the Goebel map you already have, dated December 10, 2003. The revised map will be forwarded to you, as requested in your letter.

The only unexpected development at our end is that our Surveyor/Engineer, Scott Goebel, has been out sick for more than a week. I can't tell for sure when he will be back in action, but the December 22 deadline in your letter is looming.

Therefore, on behalf of the applicant, I would like to request a short extension of your deadline, or a short administrative hold on the processing, to allow time for his recovery. At this juncture, the work remaining is simply displaying the surveyed locations of the two new wells on the map and forwarding the revision to you.

I hope this request makes sense. Please let me know if you need any further information.

Sincerely,

Bill Kloos

C: Scott Goebel

From: "Scott Goebel" <scott@geseugene.com>  
To: <Jerry.W.Gainey@wrд.state.or.us>  
Subject: Diamond Ridge Subdivision (GES #09003) Application G-15800  
Date: Wed, 24 Nov 2004 16:08:56 -0800  
X-Security: MIME headers sanitized on kettle.wrд.state.or.us  
See <http://www.impsec.org/email-tools/sanitizer-intro.html>  
for details. \$Revision: 1.139 \$Date: 2003-09-07 10:14:23-07  
X-Mailer: Microsoft Outlook Express 6.00.2800.1106  
X-Spam-Checker-Version: SpamAssassin 2.63 (2004-01-11) on  
kettle.wrд.state.or.us  
X-Spam-Status: No, hits=1.6 required=5.0 tests=FORGED\_OUTLOOK\_TAGS,HTML\_20\_30,  
HTML\_MESSAGE autolearn=no version=2.63  
X-Spam-Level: \*

Mr. Gainey:

I am in receipt of your letter to Bill Kloos (same subject) dated November 22, 2004.

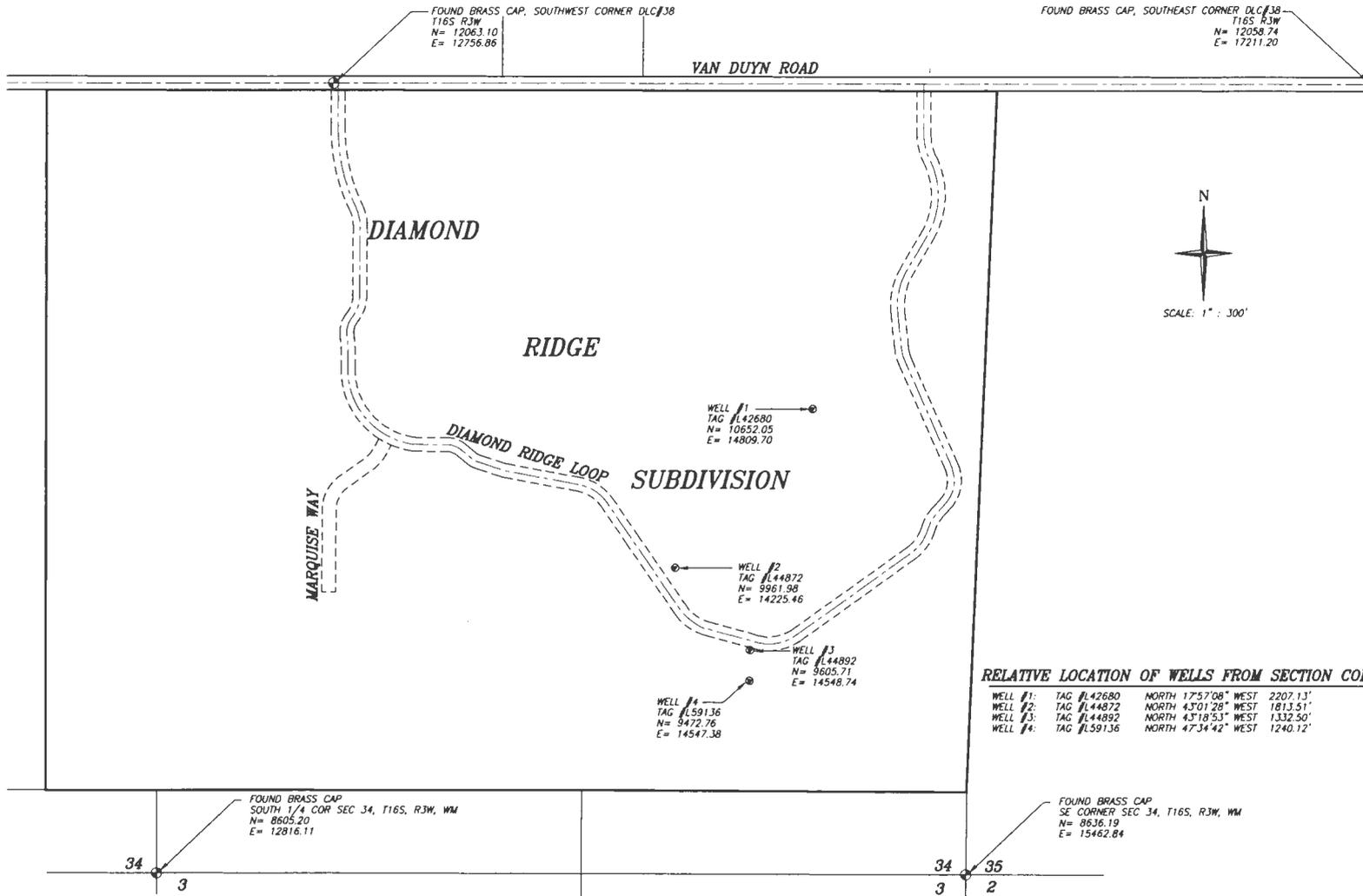
I am sorry. It appears that Bill dropped the ball on this. I cannot find a record of a survey which notes well 5, 6 and 10. We have a drawing (from November 2003) that notes the location of 4 wells. If you can identify which of these are 5, 6 and 10, perhaps I can help with this. Attached is a PDF file which shows the last well survey.

Scott Goebel, P.E., P.L.S.  
Goebel Engineering & Surveying, Inc.  
1762 West 2nd Avenue  
Eugene, OR 97402  
(541) 687-0542 (office)  
(541) 687-0739 (fax)  
(541) 517-5887 (cell)  
(541) 935-1092 (home)



well survey.pdf

*For each well to a log ID #.  
well report*



WELL #1  
TAG #L42680  
N= 10652.05  
E= 14809.70

WELL #2  
TAG #L44872  
N= 9961.98  
E= 14225.46

WELL #3  
TAG #L44892  
N= 9605.71  
E= 14548.74

WELL #4  
TAG #L59136  
N= 9472.76  
E= 14547.38

**RELATIVE LOCATION OF WELLS FROM SECTION CORNER**

WELL #1:	TAG #L42680	NORTH 175°08' WEST	2207.13'
WELL #2:	TAG #L44872	NORTH 43°01'28" WEST	1813.51'
WELL #3:	TAG #L44892	NORTH 43°18'53" WEST	1332.50'
WELL #4:	TAG #L59136	NORTH 47°34'42" WEST	1240.12'

FOUND BRASS CAP  
SOUTH 1/4 COR SEC 34, T16S, R3W, W.M.  
N= 8605.20  
E= 12816.11

FOUND BRASS CAP  
SE CORNER SEC 34, T16S, R3W, W.M.  
N= 8636.19  
E= 15462.84

**WATER WELL LOCATION  
FOR  
DIAMOND RIDGE SUBDIVISION  
W 1/2 SEC. 35 AND SEC. 34, T. 16 S., R. 3 W., W.M.**

**Goebel Engineering & Surveying**  
ENGINEERING SURVEYING PLANNING  
1762 West 2nd, Eugene, Oregon  
(541) 887-0542

**NOTE:**  
THIS IS NOT A BOUNDARY SURVEY. THE INFORMATION SHOWN HEREON IS TO SHOW THE LOCATION OF WELL HEADS RELATIVE TO THE GOVERNMENT MONUMENTS AS NOTED. THE LOCATION OF THE SUBDIVISION BOUNDARY IS SHOWN FOR REFERENCE ONLY.

To: Dwight French  
From: jerrywgainey <jerry.w.gainey@wrd.state.or.us>  
Subject: Fwd: Re: Fwd: Van Duyn Land Company LLC; G-15800  
Cc:  
Bcc:  
Attached:

Dwight, I requested information from Marc Norton regarding Bill Closs' request on drilling of wells. Below is Marc's response.

Jerry

X-Sender: nortonma@mailhub.wrd.state.or.us  
X-Mailer: QUALCOMM Windows Eudora Version 5.1.1  
Date: Fri, 07 May 2004 07:57:38 -0700  
To: jerrywgainey <jerry.w.gainey@wrd.state.or.us>  
From: Marc Norton <Marc.A.NORTON@wrd.state.or.us>  
Subject: Re: Fwd: Van Duyn Land Company LLC; G-15800

Jerry,

I will out of town until May 26th. I can not specify a well depth that will get them out of the shallow aquifer. They will need to deepen the well or drill deep enough so that a completed well will have a deeper water level. The proposed locations will work. Well depth and construction - deep casing and sealing are very important.

I hope this helps. I will be here some of the morning if you want to talk.

Marc

At 01:00 PM 5/6/2004 -0700, you wrote:  
Any suggestions on answering this. Thanks

X-Sender: frenchdw@mailhub.wrd.state.or.us  
X-Mailer: QUALCOMM Windows Eudora Version 6.0.3.0  
Date: Thu, 06 May 2004 11:31:44 -0700  
To: Jerry.W.GAINEY@wrd.state.or.us  
From: Dwight W French <Dwight.W.FRENCH@wrd.state.or.us>  
Subject: Fwd: Van Duyn Land Company LLC; G-15800  
X-Security: MIME headers sanitized on kettle.wrd.state.or.us  
See <http://www.impsec.org/email-tools/sanitizer-intro.html>  
for details. \$Revision: 1.139 \$Date: 2003-09-07 10:14:23-07

Check this out and let me know what you think we should do/how we should handle.  
Thanks,  
Dwight

Reply-To: <billkloos@landuseoregon.com>

From: "Bill Kloos" <billkloos@landuseoregon.com>  
To: "Dwight French" <dwight.w.french@wrд.state.or.us>  
Cc: "Marc Norton" <Marc.A.NORTON@wrд.state.or.us>, "Jerry Gainey" <Jerry.W.GAINEY@wrд.state.or.us>  
Subject: Van Duyn Land Company LLC; G-15800  
Date: Wed, 5 May 2004 06:24:39 -0700  
Organization: Law Office of Bill Kloos, PC  
X-Security: MIME headers sanitized on kettle.wrд.state.or.us  
See <http://www.impsec.org/email-tools/sanitizer-intro.html>  
for details. \$Revision: 1.139 \$Date: 2003-09-07 10:14:23-07  
X-Mailer: Microsoft Outlook, Build 10.0.4510  
Importance: Normal  
X-Virus-Scanned: by amavisd-new-20030616-p7 at safesecureweb.com

Dwight,

Thanks for taking my call last week.

To summarize, the protest period has passed on this application. Well #2 is approved in the draft permit. The developers have met, pondered the conditions on the draft permit, and come up with a strategy for the next two wells. The draft permit requires any well be put in the marine sediments. It also requires WRD approval of the location before drilling. So, this is a preliminary check-in.

We understand that Well #3 (Tag #L44892) flunked because it is too shallow at 59 feet. We'd like to start with the same hole and drill it to the required depth. Would that be ok with WRD? And what would the required depth be?

In addition, we'd like to put a new well in the extreme Southeast corner of the subject property, which would be immediately adjacent to the two storage tanks proposed as part of the community water system. What depth would be acceptable for that well? That is, what constitutes the level of the "marine sediments" in this area?

Bill Kloos  
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Fax: (541)343-8702  
e-mail: <<mailto:billkloos@landuseoregon.com>>billkloos@landuseoregon.com  
Web <<http://www.landuseoregon.com/>>[www.LandUseOregon.com](http://www.LandUseOregon.com)

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=====

Dwight French, Water Rights Section Manager  
725 NE Summer Street, Suite A, Salem, OR 97301-1271  
Phone: 503 986 0819  
Fax: 503.986.0901

Messages to and from this email address may be available to the public under Oregon law.

Oregon Water Resources web page: <http://www.wrd.state.or.us/>

Short cut to weekly public notice: [http://www.wrd.state.or.us/cgi-bin/notices.pl?water\\_rights](http://www.wrd.state.or.us/cgi-bin/notices.pl?water_rights)

Short cut to water right application forms:  
<http://www.wrd.state.or.us/publication/forms/index.shtml>

=====  
=====  
| Jerry Gainey <mailto:Jerry.W.GAINEY@wrđ.state.or.us> |  
| Water Right Application Caseworker <ftp://ftp.wrd.state.or.us> |  
| Oregon Water Resources Department  
| 725 Summer Street NE, Suite A, Salem, OR 97301-1271 <http://www.wrd.state.or.us> |  
| Voice: (503)-986-0812 FAX: (503)-986-0901|  
=====  
=====

=====  
==  
| Jerry Gainey <mailto:Jerry.W.GAINEY@wrđ.state.or.us> |  
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| 725 Summer Street NE, Suite A, Salem, OR 97301-1271 <http://www.wrd.state.or.us> |  
| Voice: (503)-986-0812 FAX: (503)-986-0901|  
=====  
==

**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.

Article Addressed to:

G-15800  
 BILL KLOOS  
 PO BOX 11906  
 576 OLIVE ST, STE 300  
 EUGENE OR 97401

Article Number

(Transfer from service label)

7004 1160 0007 0796 8989

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

 Agent Addressee

B. Received by (Printed Name)

Bill Kloos

C. Date of Delivery

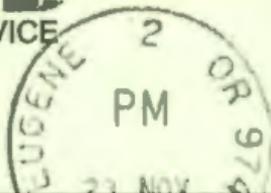
11-23

 D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below.  No
**RECEIVED****NOV 24 2004****WATER RESOURCES DEPT**3. Service Type **SALEM, OREGON** Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee)

 Yes

UNITED STATES POSTAL SERVICE

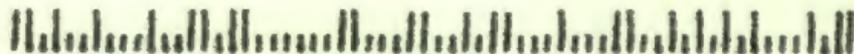


First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

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

WATER RESOURCES DEPARTMENT  
725 SUMMER STREET NE SUITE A  
SALEM OR 97301-1271

301+1271





# 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

November 22, 2004

**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

Bill Kloos  
PO Box 11906  
576 Olive St, Suite 300  
Eugene, Oregon 97401

Reference: Application G-15800

Dear Mr. Kloos:

On February 24, 2004, the Water Resources Department (Department) issued a proposed final order (PFO) for the above referenced application. The PFO indicated that approval of the location of Wells #5, #6, and #10 or any proposed well(s) must be obtained. In correspondence between you and Marc Norton, June 2004, you indicated a revised map would be submitted giving the locations of the wells. As of the date of this letter, we have not received the revised map. The application cannot be processed further without an acceptable map that meets the requirements of OAR 690-310-0050.

It may be of interest to you to request an administrative hold on the above referenced application. Your request for an administrative hold will need to show justification for why time is reasonable and necessary, that substantial progress being made towards being ready to proceed with application processing, and a general time line, which identifies when you anticipate being ready to continue with the application process. Please reference the application number(s) when sending any correspondence.

Bill Kloos  
G-15800

Page 2

If we do not receive the requested information by **December 22, 2004** or a request for administrative hold, **we will reject** the above referenced application consistent with ORS 537.153. If your application is rejected, the priority date associated with your application will be lost.

If you have any questions, please contact me at 503-986-0812.

Sincerely,



Jerry Gainey  
Water Right Application Caseworker

cc: Michael Mattick, Watermaster District 2  
Van Duyn Land Co. LLC  
Scott Goebel, Goebel Engineering & Surveying, Inc.  
File

To: "Marc Norton" <Marc.A.NORTON@wrd.state.or.us>  
Cc: "Jerry Gaaney" <Jerry.W.GAINEY@wrd.state.or.us>,  
"Dwight French" <dwight.w.french@wrd.state.or.us>  
Subject: Van Duyn Land Company; Number G-15800

Marc,

Thanks for taking my call today.

We'll plan to promptly do two additional wells; assuming those prove up, we'll submit a map showing all three for the final permit.

We'll do a new well near the SE corner of the project. We'll also plan to deepen either Well No. 3 (now at 59') or Well No. 4 (now at 83'), depending on the advice of the well driller, who will be Casey Jones. Wells 3 and 4 are shown on our most recent map. I'll fax an excerpt of the map and show the location of the new well. We understand that the deepened well needs to tap a distinct, deeper aquifer; it needs to be sealed to ensure that the static water level in the well stays at the level of the deeper aquifer. There is not a minimum acceptable depth.

I understand from our conversation that this confirmation constitutes the written approval we need for the new drilling.

Bill Kloos  
Law Office of Bill Kloos, PC  
PO Box 11906  
576 Olive Street, Suite 300  
Eugene, OR 97440  
Phone: (541)343-8596  
Fax: (541)343-8702  
e-mail: [billkloos@landuseoregon.com](mailto:billkloos@landuseoregon.com)  
Web [www.LandUseOregon.com](http://www.LandUseOregon.com)

Please do not read, copy or disseminate this communication unless you are the intended addressee. This e-mail communication may contain confidential and/or privileged information intended only for the addressee. If you have received this e-mail in error, please call immediately at 541-343-8596. Also, please notify me by e-mail. Thank you.

**LAW OFFICE OF BILL KLOOS, PC**

OREGON LAND USE LAW

576 OLIVE STREET, SUITE 300  
EUGENE, OR 97401  
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EUGENE, OR 97440  
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FAX (541) 343-8702  
E-MAIL BILLKLOOS@LANDUSEOREGON.COM

April 7, 2004

Mr. Jerry Gainey  
Water Resources Department  
725 Summer St. NE, Suite A  
Salem, OR 97301-1271

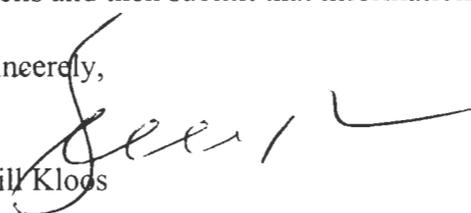
Re: Van Duyn Land Company LLC; Number G-15800

Dear Mr. Gainey:

Enclosed is our check in the amount of \$250, as required Proposed Final Order dated February 24, 2004. I understand that the protest deadline for this application is April 9, 2004.

I understand that Mark Norton is currently out of the office and that it is he who will have to approve the location of new wells. I'll contact him early next week to discuss the siting of those wells and then submit that information to your office.

Sincerely,

  
Bill Kloos

Cc: Client  
Encl. Check No. 3686 (Oakridge Sand & Gravel, Inc.)

**RECEIVED**

APR 08 2004

WATER RESOURCES DEPT  
SALEM, OREGON

# Memo

## Oregon Water Resources Department Water Rights Section

To: File

November 20, 2003

From: Dwight French, Water Rights Section Manager

RE: Approving a rate

The applicant has reasonably demonstrated a need for 0.3 CFS in the letter from the applicant's engineer, Scott Goebel to Bill Kloos dated July 21, 2003.

When the PFO is prepared, it should approve a rate of 0.3 CFS.

Let me know if there are any questions.

**LAW OFFICE OF BILL KLOOS, PC**

OREGON LAND USE LAW

576 OLIVE STREET, SUITE 300  
EUGENE, OR 97401  
PO BOX 11906  
EUGENE, OR 97440  
TEL (541) 343-8596  
FAX (541) 343-8702  
E-MAIL BILLKLOOS@LANDUSEOREGON.COM

January 22, 2004

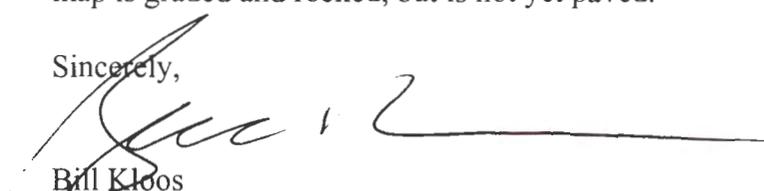
Jerry W. Gainey  
Water Rights Processing Technician  
Water Resources Department  
Commerce Building  
158 12<sup>th</sup> Street NE  
Salem, OR 97301-4172

Re: Van Duyn Land Company; File G-15800

Dear Mr. Gainey:

Enclosed for filing is a current map showing the location of the four existing wells, with identifying information. The previous map submitted had the wells incorrectly numbered and did not have the other reference information you requested. Note that the road shown on the map is graded and rocked, but is not yet paved.

Sincerely,



Bill Kloos

Encl. Water Well Location Map, Goebel Engineering (Dec. 10, 2003)

**RECEIVED**  
JAN 26 2004  
WATER RESOURCES DEPT  
SALEM OREGON

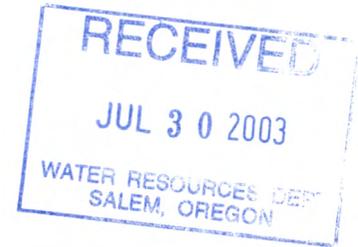
**LAW OFFICE OF BILL KLOOS, PC**

OREGON LAND USE LAW

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EUGENE, OR 97401  
PO BOX 11906  
EUGENE, OR 97440  
TEL (541) 343-8596  
FAX (541) 343-8702  
E-MAIL BILLKLOOS@LANDUSEOREGON.COM

July 29, 2003

Mr. Dwight French  
OR Water Resources Dept.  
158 12<sup>th</sup> St. NE  
Salem, OR 97301-4172

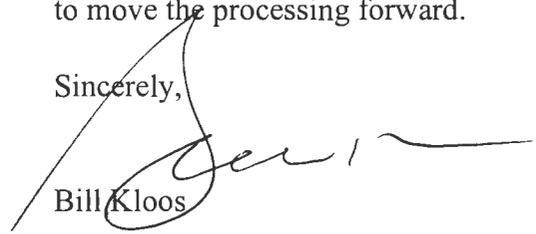


Re: Van Duyn Land Co. Application; G-15800

Dear Mr. French:

You have my May 28, 2003 letter amending the above application down to 0.3 cfs. Enclosed with this letter is a memo from the applicant's engineer, Goebel Engineering and Surveying, documenting the need for the requested amount. I hope this is sufficient supporting information to move the processing forward.

Sincerely,

  
Bill Kloos

Encl. July 21, 2003 Letter from Goebel Engineering

VanDuyny



# Goebel Engineering & Surveying, Inc.

*Engineering*

*Surveying*

*Planning*

1762 West 2nd Avenue

Eugene, Oregon 97402

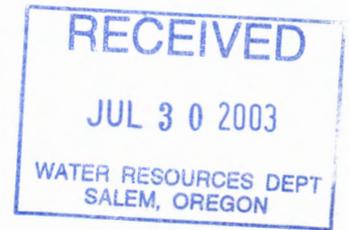
Phone: (541) 687-0542

Fax (541) 687-0739

E-mail: [scott@geseugene.com](mailto:scott@geseugene.com)

21 July 2003

**Via Facsimile 343-8702**



Mr. Bill Kloos  
576 Olive Street, Suite 300  
Eugene, OR 97401

**Re: Diamond Ridge  
GES Project No. 09003-2003-C**

Dear Bill:

Here, finally, is "your memo" which explains the basis for a 0.3 cps water rights rate.

The Diamond Ridge Subdivision is comprised of 27 10-acre home sites. Each home site has 0.5 acres of yard area that can be irrigated. The first phase of the community water system consists of one 50,000 gallon reservoir. That reservoir will need to serve the demand for domestic, irrigation and fire protection for the subdivision. The fire department requires storage of a 1,500 gpm fire flow for 20 minutes or 30,000 gallons. The average daily domestic demand is based upon 150 gpd per person, with each house having an average of 2.7 people. The average daily domestic demand is, therefore, 10,935 gpd. The maximum peak hourly demand is a ratio of 3.4:1 maximum hourly to average annual. This creates a maximum peak demand for domestic of 38,272 gpd. The final element of water storage demand is irrigation. There are 13.5 acres of irrigation requiring 2" of precipitation per week or 104,745 gpd. The maximum peak hourly demand for irrigation is a ratio of 1.6:1 maximum hourly to average annual or 167,592 gpd. Combining maximum peak hourly domestic and irrigation demand totals 205,864 gpd. Subtract the remaining available storage of 20,000 gal above the required fire protection yields 185,864 gpd or 0.29 cfs. This is the required maximum peak pump rate to serve the Diamond Ridge Subdivision.

Bill, if you have questions or require further information, give me a call.

Regards,

Scott J. Goebel, P.E., P.L.S.

SJG/ms

M:\Pers-DivID - G.D.R.-Stevensons\Kloos 1101.wpd



Mike Stevenson

G-15800

# Goebel Engineering & Surveying, Inc.

Engineering

Surveying

Planning

## TRANSMITTAL LETTER

PROJECT NAME: Diamond Ridge Subdivision

GES PROJECT NO.: 09003-2003-C

TO: Jerry W. Gainey  
Oregon Water Resources Department  
Commerce Building  
158 12<sup>th</sup> Street NE  
Salem, OR 97301-4172

FROM: Scott Goebel

DATE: 24 September 2003

TRANSMITTED IS THE FOLLOWING:

- enclosed
- under separate cover
- Via:  U.S. Mail

FOR YOUR:

- review
- comment
- approval
- use
- information

THE FOLLOWING:

- 24" X 36" Aerial
- Drawings
- Mylars
- Reproducible
- Diskette (etc.)
- Legal descriptions
- Written documents

No. of  
Copies

Plot  
Date

2<sup>1</sup>

COMMENTS: <sup>1</sup>Well Head Location Survey

Document submitted as per letter dated 29 August 2003

**RECEIVED**

SEP 25 2003

WATER RESOURCES DEPT.  
SALEM, OREGON

Section 34 T.16S. R.3W.W.M.

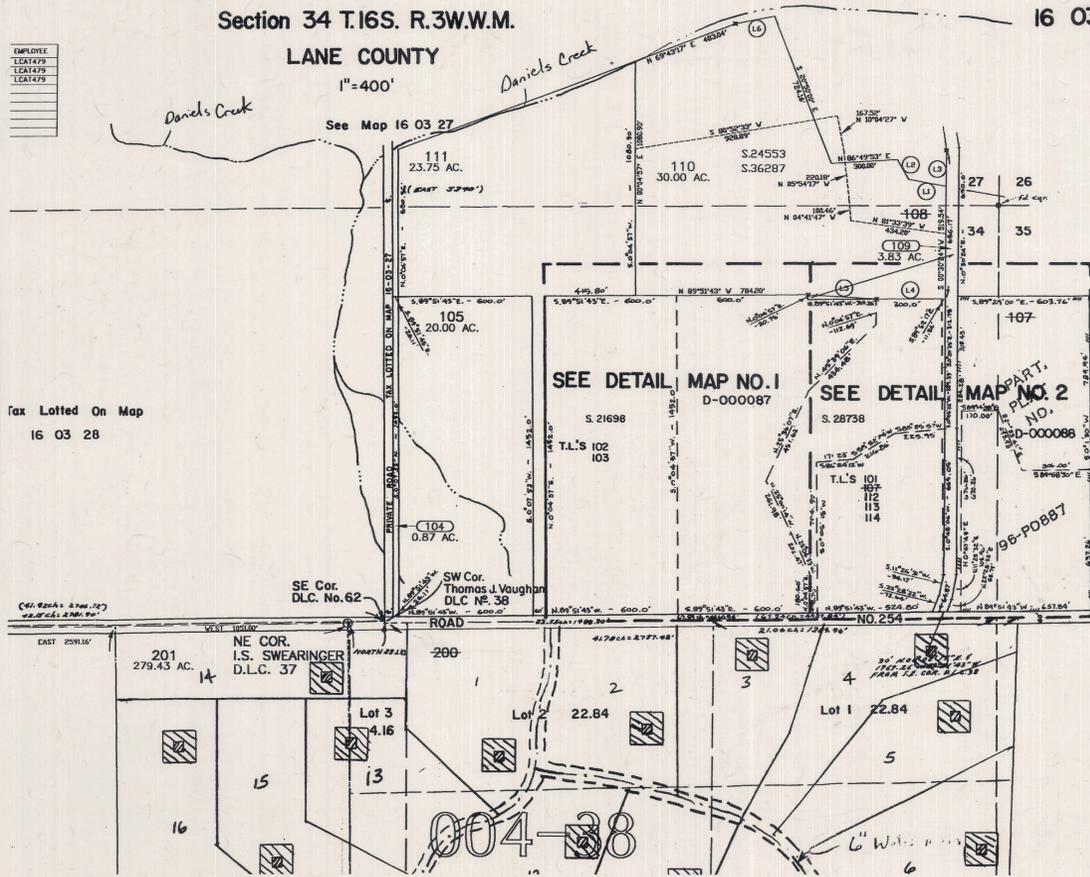
16 03 34

LANE COUNTY

1"=400'

EMPLOYEE
LEAT479
LEAT479
LEAT479

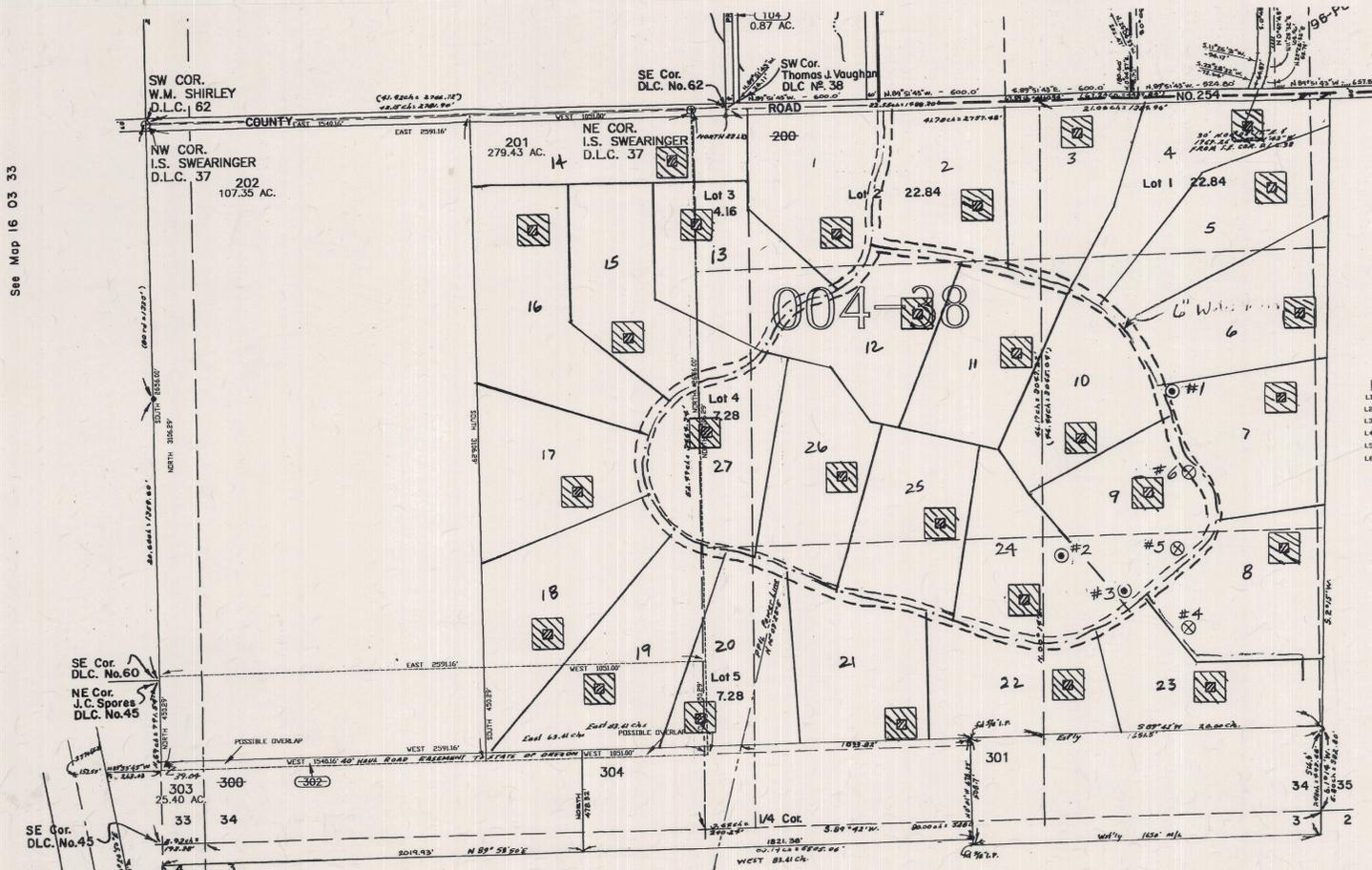
Tax Lotted On Map  
16 03 28



Water will be drawn from and used in:  
Lane County and  
the Willamette River Basin



See Map 16 03 33



ESCALLET

## INTEROFFICE MEMORANDUM

Water Rights Section

~~TO: Doug Woodcock~~  
~~FROM: Jerry Gainey, 6-0812~~  
~~RE: GW File Number G-15800, Van Duyn Land Company~~

July 8, 2005

---

---

The attached application file and letter with map from Bill Kloos is forwarded to your section for review and comment on the approval of the location of the wells. Marc Norton made the original ground water review. In the proposed final order issued and in several letters a map was requested to reflect the actual location of the wells. Approval was required from the Department on the location of the wells.

Please provide me with approval or disapproval.

Please route to me when finished.

Thanks.

1/13/2006

To: Jerry Gainey  
From: Marc Norton

The wells listed on the map by tag number as

Well # 2	Tag # 44872
Well # 5	Tag # 71194
Well # 6	Tag # 71191

were completed in the deeper aquifer and are acceptable.

Can we specify in the permit, the well numbers, ~~and~~  
Tags & locations? Thank

Marc

To: Marc Norton  
From: jerrywgainey <jerry.w.gainey@wrд.state.or.us>  
Subject: Van Duyn Application  
Cc:  
Bcc:  
Attached:

Marc,

I would like a few moments of your time on this application before I send out the final order. A couple of conditions that were in the PFO may not pertain now. Just need your blessing and agreement.

Thanks  
Jerry

=====  
==  
| Jerry Gainey <mailto:Jerry.W.GAINEY@wrд.state.or.us> |  
| Water Right Application Caseworker <ftp://ftp.wrд.state.or.us> |  
| Oregon Water Resources Department <http://www.wrд.state.or.us> |  
| 725 Summer Street NE, Suite A, Salem, OR 97301-1271 <http://www.wrд.state.or.us> |  
| Voice: (503)-986-0812 FAX: (503)-986-0901|  
=====  
===

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

(WELL I.D.)# **L 71194**  
(START CARD) # **100331**

Instructions for completing this report are on the last page of this form.

**(1) OWNER:** Well Number **#1**  
Name **VAN DUYN LAND CO. / BILL STEVENSON**  
Address **33401 VAN DUYN**  
City **EUGENE** State **OR** Zip **97400**

**(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 **287** ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

Diameter	HOLE		SEAL		Sacks or pounds	
	From	To	From	To		
10"	0	98	CEMENT	0	98	65 SACKS
8"	98	117	CEMENT	110	117	2 SACKS
6"	117	287				

How was seal placed: Method  A  B  C  D  E  
 Other \_\_\_\_\_  
Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

**(6) CASING/LINER:**

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6"	+2	117	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 4 1/2"	0	287		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) **N/A**

**(7) PERFORATIONS/SCREENS:**

Perforations Method **SAW**  
 Screens Type **LINER** Material **PLASTIC**

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
167	207	1"	400	1/8"		<input type="checkbox"/>	<input checked="" type="checkbox"/>
247	287	1"	400	1/8"		<input type="checkbox"/>	<input checked="" type="checkbox"/>

**(8) WELL TESTS: Minimum testing time is 1 hour**

Pump  Bailer  Air  Flowing  
Yield gal/min \_\_\_\_\_ Drawdown \_\_\_\_\_ Drill stem at \_\_\_\_\_ Time \_\_\_\_\_  
40 \_\_\_\_\_ 161 \_\_\_\_\_ 287 \_\_\_\_\_ 1 hr.

Temperature of water **57** Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
Depth of strata: \_\_\_\_\_

**(9) LOCATION OF WELL by legal description:**  
County **LANE** Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township **16** S Range **3** W WM.  
Section **34** SE 1/4 SW 1/4  
Tax Lot **200** Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) **Across from 33401 Van Duyn Eugene**

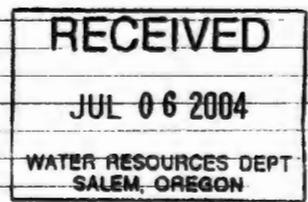
**(10) STATIC WATER LEVEL:**  
**120** ft. below land surface. Date **6/27/2004**  
Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

**(11) WATER BEARING ZONES:**  
Depth at which water was first found **38**

From	To	Estimated Flow Rate	SWL
35	90	30	14
160	195	15	126
200	268	25	126

**(12) WELL LOG:**  
Ground Elevation \_\_\_\_\_

Material	From	To	SWL
TOP SOIL	0	2	
BROWN CLAY	2	9	
BROWN SANDSTONE	9	35	
BROWN SANDSTONE WITH GRAVEL	35	105	14
BLUE SANDSTONE	105	135	
BLUE AND GREEN CONGLOM.	135	205	126
GRAY CLAY STONE SOFT	205	210	
BLUE AND GREEN CONGLOM.	210	287	126



Casey Jones Well Drilling Co. Inc.  
541-747-2806

Date started **6/23/2004** Completed **6/27/2004**

**(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.

Signed \_\_\_\_\_ WWC Number **1776**  
Date **7/1/2004**

**(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.

Signed \_\_\_\_\_ WWC Number **1941**  
Date **7/1/2004**

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

(WELL I.D.)# L 71101  
(START CARD) # 100334

Instructions for completing this report are on the last page of this form.

**(1) OWNER:** Well Number **92**  
Name **VAN DUYN LAND CO./ BILL STEVENSON**  
Address **33401 VAN DUYN**  
City **EUGENE** State **OR** Zip **97408**

**(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 **246** ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	
10"	0	58	CEMENT	0	58	20 SACKS
6"	58	246				

How was seal placed: Method  A  B  C  D  E  
 Other \_\_\_\_\_  
Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
(Gravel) placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

**(6) CASING/LINER:**

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6"	+2	130	.280	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 4 1/2"	0	246		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) **N/A**

**(7) PERFORATIONS/SCREENS:**

From	To	Slot size	Number	Diameter	Tube/pipe size	Casing	Liner
188	206	1"	200	1/8"		<input type="checkbox"/>	<input checked="" type="checkbox"/>
226	246	1"	200	1/8"		<input type="checkbox"/>	<input checked="" type="checkbox"/>

**(8) WELL TESTS: Minimum testing time is 1 hour**

Yield gal/min	Drawdown	Drill stem at	Time
17	122	246	1 hr.

Pump  Bailer  Air  Flowing  
 Artesian

Temperature of water **57.5** Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
Depth of strata: \_\_\_\_\_

**(9) LOCATION OF WELL by legal description:**  
County **LANE** Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township **18** S Range **8** W WM.  
Section **34** SE 1/4 SW 1/4  
Tax Lot **200** Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) **Across from 33401 Van Duyn Eugene**

**(10) STATIC WATER LEVEL:**  
**124** ft. below land surface. Date **6/28/2004**  
Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

**(11) WATER BEARING ZONES:**

Depth at which water was first found **40**

From	To	Estimated Flow Rate	SWL
40	47	1	22
165	200	17	124

**(12) WELL LOG:** Ground Elevation \_\_\_\_\_

Material	From	To	SWL
TOP SOIL	0	2	
BROWN SANDSTONE	2	20	
BROWN SANDSTONE BROKEN	20	47	22
BLUE CLAY STONE SOFT	47	130	
BLUE SANDSTONE HARD	130	145	
Blue/Green conglom. w/brown claystone soft	145	260	124

Well caved 14' before liner was installed.

**RECEIVED**  
**JUL 06 2004**  
WATER RESOURCES DEPT  
SALEM, OREGON

Casey Jones Well Drilling Co. Inc.  
841-747-2006  
Date started **6/27/2004** Completed **6/28/2004**

**(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.  
Signed \_\_\_\_\_ WWC Number **1776**  
Date **7/1/2004**

**(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.  
Signed \_\_\_\_\_ WWC Number **1541**  
Date **7/1/2004**

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

WELL I.D. # L 44872  
 START CARD # 136263

Instructions for completing this report are on the last page of this form.

(1) **LAND OWNER** Well Number #5  
 Name Van Duyn Land company  
 Address 33401 Van Duyn  
 City Eugene State OR Zip 97408

(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 187 ft.  
 Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
10"	0	38	cement	0	38	15 sacks
6"	38	187				

How was seal placed: Method  A  B  C  D  E  
 Other \_\_\_\_\_  
 Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
 Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(6) **CASING/LINER:**

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6"	+3	127	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 4 1/2"	2	187	pvc	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used  Inside  Outside  None  
 Final location of shoe(s) 127

(7) **PERFORATIONS/SCREENS:**  
 Perforations Method S&W  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
107	187	1/8-2	800	4 1/2"	pvc	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(8) **WELL TESTS: Minimum testing time is 1 hour**

Yield gal/min	Drawdowns	Drill stem at	Flowing Artesian Time
60	96	187	1 hr.

Pump  Bailer  Air  Flowing Artesian

Temperature of water 56 Depth Artesian Flow Found \_\_\_\_\_  
 Was a water analysis done?  Yes By whom \_\_\_\_\_  
 Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
 Depth of strata: \_\_\_\_\_

(9) **LOCATION OF WELL by legal description:**  
 County Lane Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Township 16S N or S Range 3W E or W. WM.  
 Section 27 SW 1/4 SW 1/4  
 Tax Lot 200 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
 Street Address of Well (or nearest address) across from 33401 Van Duyn Eugene, OR 97408

(10) **STATIC WATER LEVEL:**  
91 ft. below land surface. Date 10-20-00  
 Artesian pressure \_\_\_\_\_ lb. per square inch Date \_\_\_\_\_

(11) **WATER BEARING ZONES:**  
 Depth at which water was first found 170 ft.

From	To	Estimated Flow Rate	SWL
170	175	60 gpm	91

(12) **WELL LOG:**  
 Ground Elevation \_\_\_\_\_

Material	From	To	SWL
topsoil	0	1	
brown clay	1	10	
broken-up basalt	10	12	
red claystone soft	12	120	
gray claystone	120	187	91

**RECEIVED**  
 OCT 27 2000  
 WATER RESOURCES DEPT  
 SALEM, OREGON

Date started 10-20-00 Completed 10-20-00

(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.  
 Signed Alan McCarver WWC Number 1641 Date 10-20-00

(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.  
 Signed [Signature] WWC Number 1541 Date 10-20-00

**LAW OFFICE OF BILL KLOOS, PC**

OREGON LAND USE LAW

RECEIVED

MAY 29 2003

WATER RESOURCES DEPT.  
SALEM, OREGON

576 OLIVE STREET, SUITE 300  
EUGENE, OR 97401  
PO BOX 11906  
EUGENE, OR 97440  
TEL (541) 343-8596  
FAX (541) 343-8702  
E-MAIL BILLKLOOS@LANDUSEOREGON.COM

May 28, 2003

Dwight French  
Or Water Resources Department  
158 12<sup>th</sup> St. NE  
Salem, OR 97301-4172

Re: Van Duyn Land Co. Application: G-15800

Dear Mr. French:

I represent the applicant in this matter. Pursuant to our phone discussions, please consider the application to be amended downward to a maximum rate of use of .3 cfs. Thank you for your cooperation on processing this application.

Sincerely,



Bill Kloos

cc: Client

**LAW OFFICE OF BILL KLOOS, PC**

OREGON LAND USE LAW

576 OLIVE STREET, SUITE 300  
EUGENE, OR 97401  
PO BOX 11906  
EUGENE, OR 97440  
TEL (541) 343-8596  
FAX (541) 343-8702  
E-MAIL BILLKLOOS@LANDUSEOREGON.COM

July 7, 2003

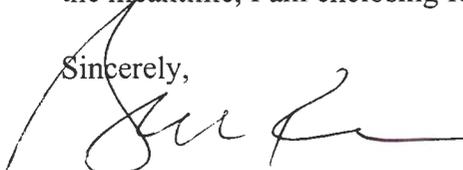
Dwight French  
Oregon Water Resources Dept.  
158 12<sup>th</sup> St., NE  
Salem, OR 97301-4172

Re: Van Duyn Land Company Application; G-15800

Dear Mr. French:

At your suggestion, I have called Jerry Gainey about his Initial Review of the Welsh Development LLC application, G-15876, which proposes to approve 0.364 cfs for a community water system in Lane County to 30 units on about 150 acres. The Van Duyn application would serve 27 units on 280 acres in a community water system. Jerry is looking for the Welsh file. In the meantime, I am enclosing for your information a copy of the Welsh Initial Review.

Sincerely,



Bill Kloos

Encl. May 23, 2003 Initial Review for Welsh

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WATER RESOURCES DEPT.  
SALEM, OREGON



# Oregon

Theodore R. Kulongoski, Governor

# COPY

Water Resources Department

Commerce Building

158 12th Street NE

Salem, OR 97301-4172

503-378-3739

FAX 503-378-8130

**CERTIFIED MAIL**  
**Return Receipt Requested**

rec'd 5/27

May 23, 2003

JAMES H. WELSH  
WELSH DEVELOPMENT LLC  
767 WILLAMETTE ST SUITE 203  
EUGENE, OR 97401

Reference: File G-15876

Dear Welsh:

**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.
2. The use of water from five wells in Wild Hog Creek Basin for quasi municipal use to include ½ acre of lawn and garden is **allowable** under OAR 690-502, the Willamette Basin Program.
3. The Department has determined, based upon OAR 690-09, that the proposed groundwater use will, if properly conditioned, adequately protect the surface water from interference.
4. The Department has also determined, based upon available data, that the use of groundwater in the amount of 0.364 cubic foot per second for quasi municipal use to include ½ acre of lawn and garden if properly conditioned, will not injure existing rights or the groundwater resource.

Application G-15876

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WATER RESOURCES DEPT.  
SALEM, OREGON

Page 1

may provide an opportunity for the permittee to submit alternative reporting procedures for review and approval.

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. **Limited Water Level Decline/Interference Condition**

To monitor the effect of water use from the well(s) authorized under this permit, the Department requires the water user to make and report annual static water level measurements. The static water level shall be measured in the month of **March**. Reports shall be submitted to the Department within 30 days of measurement.

Measurements must be made according to the following schedule:

**Before Use of Water Takes Place**

Initial and Annual Measurements

The Department requires the permittee to submit an initial water level measurement in the month specified above once well construction is complete and annually thereafter until use of water begins; and

**After Use of Water has Begun**

Seven Consecutive Annual Measurements

Following the first year of water use, the user shall submit seven consecutive annual reports of static water level measurements. The first of these seven annual measurements will establish the reference level against which future annual measurements will be compared. Based on an analysis of the data collected, the Director may require that the user obtain and report additional annual static water level measurements beyond the seven year minimum reporting period. The additional measurements may be required in a different month. If the measurement requirement is stopped, the Director may restart it at any time.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board and be submitted to the Department on forms provided by the Department. The Department requires the individual performing the measurement to:

- (A) Identify each well with its associated measurement; and
- (B) Measure and report water levels to the nearest tenth of a foot as depth-to-water below ground surface; and
- (C) Specify the method used to obtain each well measurement; and
- (D) Certify the accuracy of all measurements and calculations submitted to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if annual water level measurements reveal any of the following events:

- (A) An average water level decline of 3 or more feet per year for five consecutive years; or
- (B) A water level decline of 15 or more feet in fewer than five consecutive years; or
- (C) A water level decline of 25 or more feet; or
- (D) Hydraulic interference leading to a decline of 25 or more feet in any neighboring well with senior priority.

The period of non or restricted use shall continue until the annual water level rises above the decline level which triggered the action or until the Department determines, based on the permittee'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. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

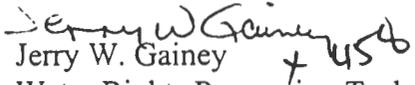
3. The priority date for this application is November 20, 2002.

The water source identified in your application is in an area in which an Agricultural Water Quality Management Area Plan is being developed. These plans are developed by the Oregon Department of Agriculture (ODA) with the cooperation of local landowners and other interested stakeholders. These plans help make sure that current and new appropriations of water are done in a way that does not adversely harm the environment. You are encouraged to contact Paul Measeles, (503) 986-4778 at the ODA to learn more about the plan and how it may affect your proposed water use.

If you have any questions:

Questions about the status of your application, processing timelines, or your upcoming Proposed Final Order should be directed to our Water Right Information Group at 503-378-8455 extension 201. Feel free to call me at 503-378-8455 extension 458 if you have any questions regarding the contents of this letter. Please have your application number available if you call. Address all other correspondence to: Water Rights Section, Oregon Water Resources Department, 158 12th ST. NE Salem, OR 97301-4172, Fax: 503-378-6203.

Sincerely,

  
Jerry W. Gainey + 458  
Water Rights Processing Technician

enclosures: Flow Chart of Water Right Process  
Stop Processing Form

G-15876  
wab 2-532  
pou 2-532  
gw c

# 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-15876

Applicant: JAMES H. WELSH FOR WELSH DEVELOPMENT LLC

County: Lane

Watermaster: 2

Priority Date: November 20, 2002

Source: FIVE WELLS IN WILD HOG CREEK BASIN

Use: QUASI-MUNICIPAL USES

Quantity: 0.364 CUBIC FOOT PER SECOND

Basin Name & Number: Willamette, #2

Stream Index Reference: Volume 1 COAST FK WILLAMETTE R MIS

Well Location:

Well 1: SWNW,, SECTION 21, T18S, R3W, W.M.; 2500 FEET SOUTH & 750 FEET EAST FROM NW CORNER, SECTION 21

Well 4: NWNE, SECTION 21, T18S, R3W, W.M.; 650 FEET SOUTH & 4200 FEET EAST FROM NW CORNER, SECTION 21

Well 5: NWNW, SECTION 21, T18S, R3W, W.M.; 550 FEET SOUTH & 2600 FEET EAST FROM NW CORNER, SECTION 21

Well 6: SWNW, SECTION 21, T18S, R3W, W.M.; 2100 FEET SOUTH & 450 FEET EAST FROM NW CORNER, SECTION 21

Well 7: SWNW, SECTION 21, T18S, R3W, W.M.; 2600 FEET SOUTH & 350 FEET EAST FROM NW CORNER, SECTION 21

Place of Use: QUASI-MUNICIPAL USES, SECTION , TOWNSHIP , RANGE , W.M.

14 DAY STOP PROCESSING DEADLINE DATE: Friday, June 6, 2003

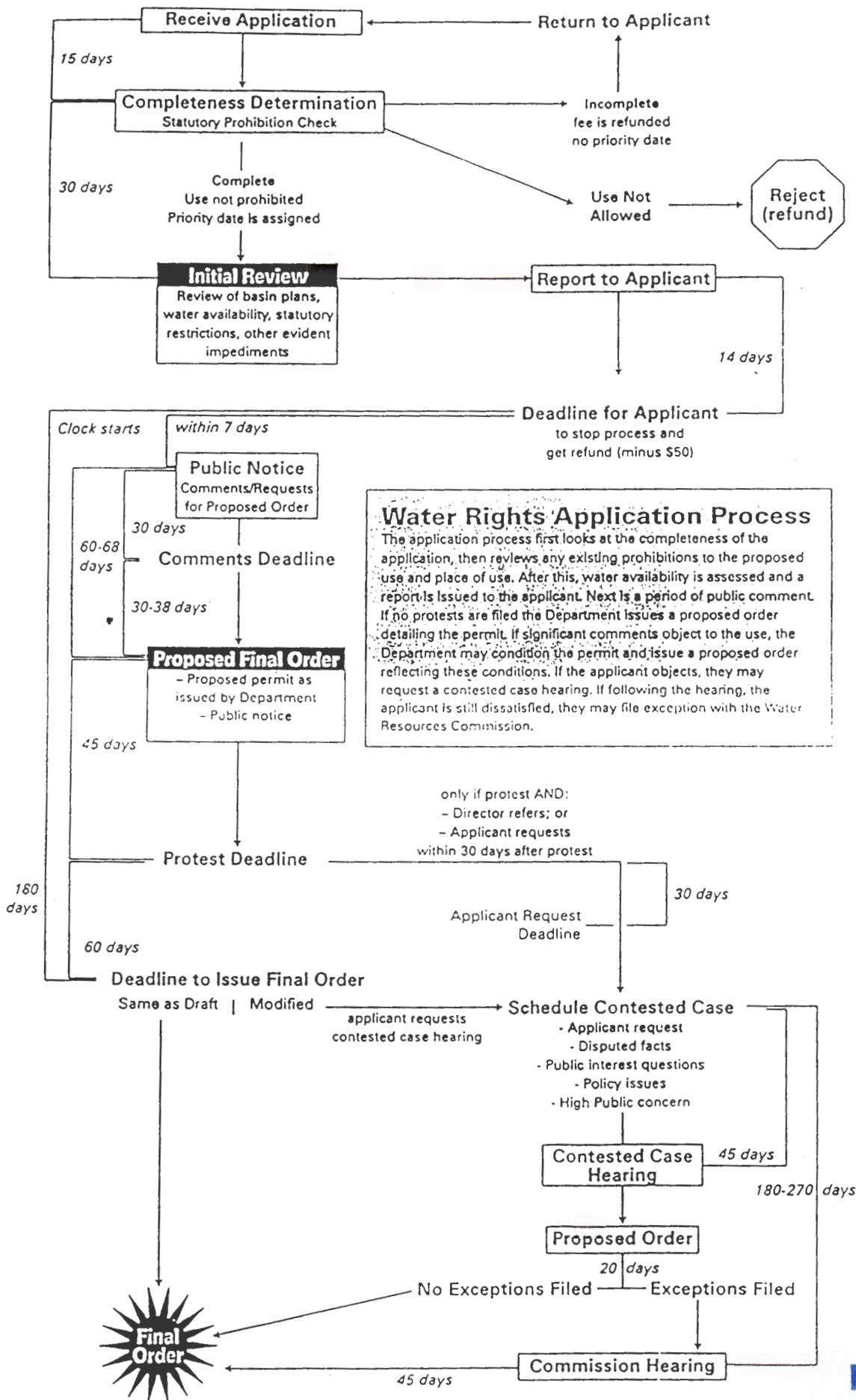
PUBLIC NOTICE DATE: Tuesday, May 27, 2003

30 DAY COMMENT DEADLINE DATE: Thursday, June 26, 2003

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JUN 15 1990

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MAP TO ACCOMPANY APPLICATION FOR  
PERMIT TO APPROPRIATE SURFACE WATER

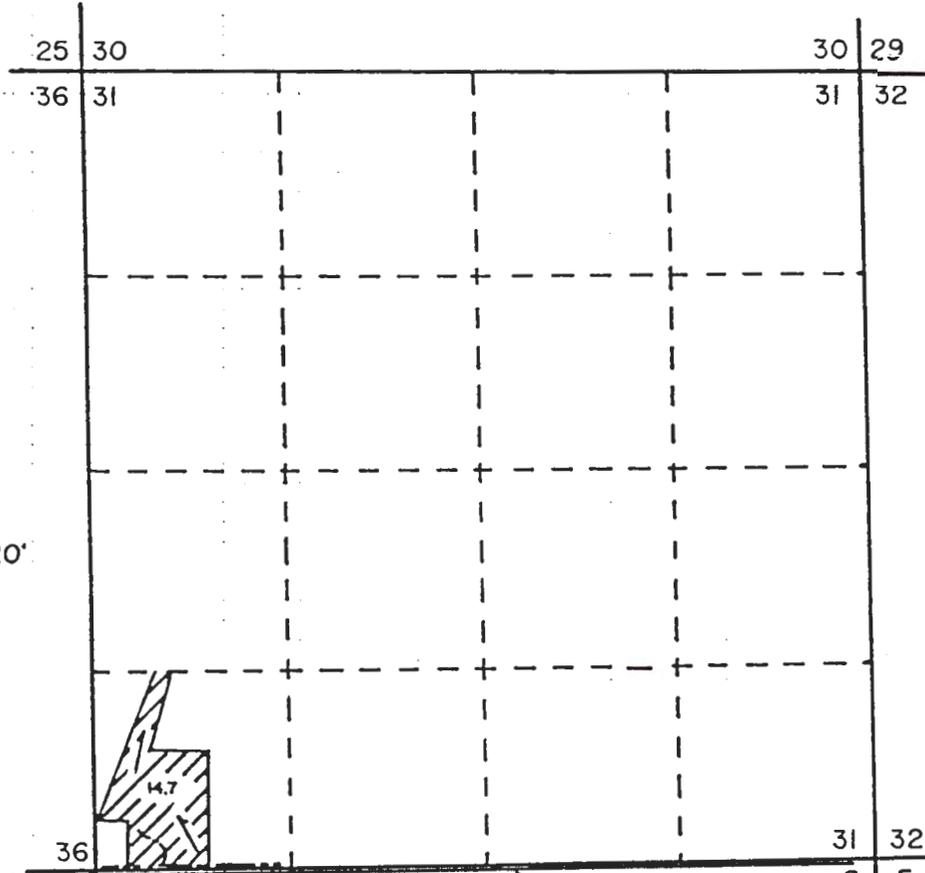
APPLICATION NO. 70371  
PERMIT NO. 51157

NOTES

1. USE OF WATER IS FOR IRRIGATION
2. SOURCE OF WATER IS AN UNNAMED DRAINAGE THAT COLLECTS NATURAL AND IRRIGATION RUN-OFF WATERS FROM LANDS WEST OF THE AREA.



SCALE 1" = 1320'



T40S

UNNAMED DRAINAGE DITCH

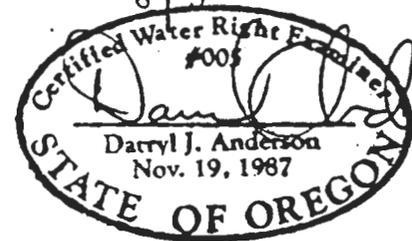
POD LOCATED 440' EAST  
8' NORTH OF SW COR.  
SEC. 34

COUNTY RD. 111

R19E

LEGEND

- - - EXISTING DITCH
- AREA BEING APPLIED FOR
- FLOW DIRECTION FOR FLOOD IRRIGATION



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NOTE: PREPARATION OF THIS MAP IS FOR IDENTIFYING PROPOSED WATER RIGHTS ONLY. IT HAS NO INTENT TO PROVIDE LOCATIONS OR DIMENSIONS OF PROPERTY BOUNDARIES.

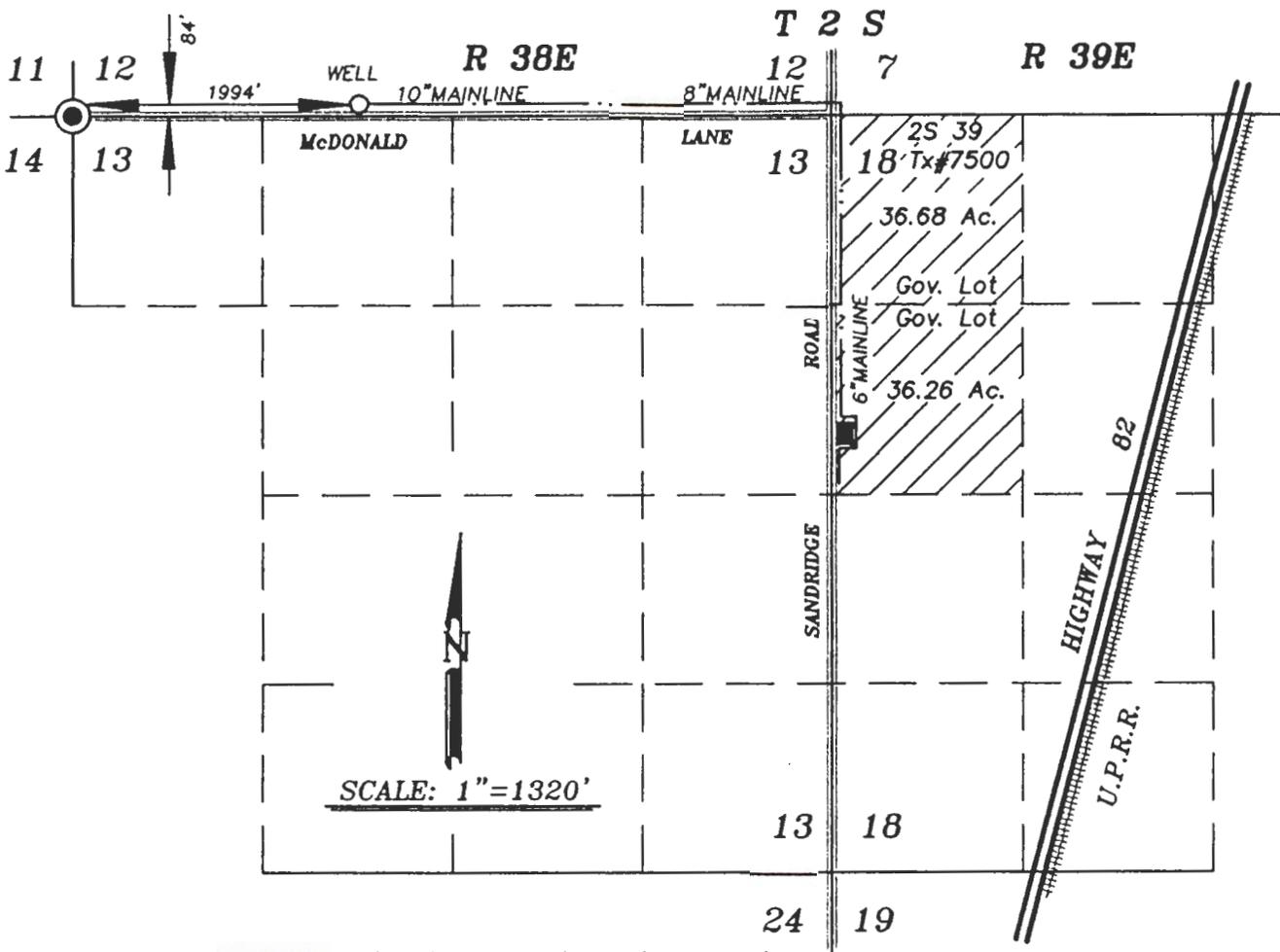
PREPARED FOR:

RICHARD DU MILIEU  
HC 60 BOX 3480  
LAKEVIEW, OREGON 97630  
(503) 947-4763

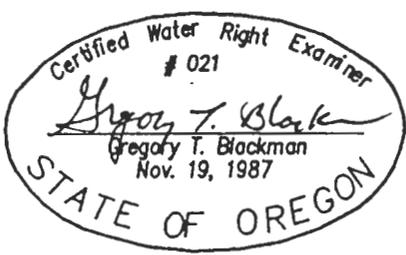
PREPARED BY:

ANDERSON ENGINEERING & SURVEYING  
P.O. BOX 28  
618 SOUTH FIRST STREET  
LAKEVIEW, OREGON 97630  
(503) 947-4407  
APRIL, 1990

SHEET 1 OF 1



Lands requesting primary water rights from a new well.



January 24, 2003  
 APPLICATION MAP OF  
 WATER RIGHTS FROM A  
 NEW WELL  
 FOR  
 ELWYN & GREG BINGAMAN  
 BY  
 BAGETT - GRIFFITH & BLACKMAN  
 2006 ADAMS AVENUE  
 LAGRANDE, OREGON 97850

NOTE: The preparation of this map was for the purpose of identifying the location of the proposed water right and has no intent to provide dimensions or location of property ownership lines. Location information shown hereon was furnished by the applicant.

APPLICATION NO. \_\_\_\_\_  
 PERMIT NUMBER \_\_\_\_\_

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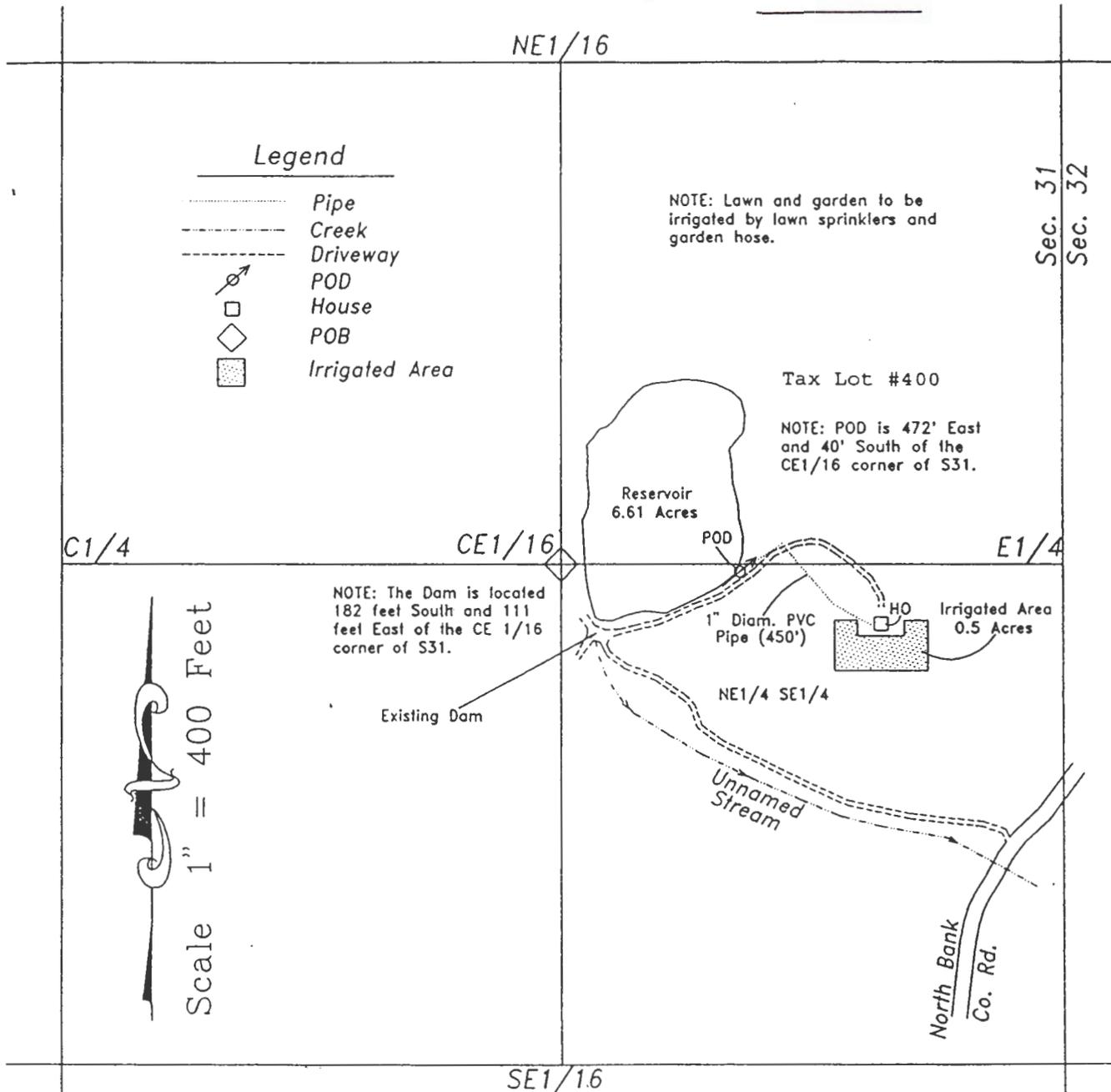
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# 4

# Water Rights Application Map

Portions of the E1/2

Section 31 Township 27S Range 13W W.M.



**NOTE:**  
The P.O.D. and Waterline is entirely located on property owned by the applicant.

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

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WATER RESOURCES DEPT.  
SALEM, OREGON

Application No. \_\_\_\_\_  
Permit No. \_\_\_\_\_

#1

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

WELL I.D. # L. 42680  
 START CARD # 129577

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number #3  
 Name Bill Stevenson Van Duyn Land Company  
 Address 33401 Van Duyn  
 City Eugene State OR Zip 97408

(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 90 ft.  
 Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE				SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds	
10"	0	26	cement	0	26	8 sacks	
6"	26	90					

How was seal placed: Method  A  B  C  D  E  
 Other \_\_\_\_\_  
 Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
 Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6"	+1 1/2	28 1/2	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 4 1/2"	0	90	pvc	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 28 1/2 ft.

(7) PERFORATIONS/SCREENS:

Perforations Method saw  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
30	90	1/8	600	2"	4 1/2"	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Yield gal/min	Drawdown	Drill stem at	Flowing Time
75	75	90	1 hr.

Temperature of water 55 Depth Artesian Flow Found \_\_\_\_\_  
 Was a water analysis done?  Yes By whom \_\_\_\_\_  
 Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
 Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
 County Lane Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Township 16S N or S Range 3W E or W. WM.  
 Section 27 SE 1/4 SW 1/4  
 Tax Lot 200 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
 Street Address of Well (or nearest address) Across from above  
 address.

(10) STATIC WATER LEVEL:  
15 ft. below land surface. Date 8-14-00  
 Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:

Depth at which water was first found \_\_\_\_\_ 47 ft.

From	To	Estimated Flow Rate	SWL
47	53	30	15
74	77	45	15

(12) WELL LOG:  
 Ground Elevation \_\_\_\_\_

Material	From	To	SWL
topsoil	0	2	
brown clay	2	19	
brown gray conglom. med.	19	90	15

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AUG 17 2000

WATER RESOURCES DEPT  
 SALEM, OREGON

Date started 8-14-00 Completed 8-14-00

(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.  
 Signed George F. [Signature] WWC Number 1722 Date 8-14-00

(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.  
 Signed [Signature] WWC Number 1541 Date 8-14-00

#2

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

WELL I.D. # L 44872  
 START CARD # 136263

Instructions for completing this report are on the last page of this form.

(1) **LAND OWNER** Well Number #5  
 Name Van Duyn Land company  
 Address 33401 Van Duyn  
 City Eugene State OR Zip 97408

(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 187ft.  
 Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
10"	0	38	cement	0	38	15 sacks
6"	38	187				

How was seal placed: Method  A  B  C  D  E  
 Other \_\_\_\_\_

Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
 Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(6) **CASING/LINER:**

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6"	+3	127	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 4 1/2"	2	187	pvc	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used  Inside  Outside  None  
 Final location of shoe(s) 127

(7) **PERFORATIONS/SCREENS:**  
 Perforations Method saw  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
107	187	1/8-2	800	4 1/2"	pvc	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(8) **WELL TESTS: Minimum testing time is 1 hour**

Yield gal/min	Drawdown	Drill stem at	Flowing Time
60	96	187	1 hr.

Temperature of water 56 Depth Artesian Flow Found \_\_\_\_\_  
 Was a water analysis done?  Yes By whom \_\_\_\_\_  
 Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
 Depth of strata: \_\_\_\_\_

(9) **LOCATION OF WELL by legal description:**  
 County Lane Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Township 16S N or S Range 3W E or W. WM.  
 Section 27 SW 1/4 SW 1/4  
 Tax Lot 200 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
 Street Address of Well (or nearest address) across from 33401 Van Duyn Eugene, OR 97408

(10) **STATIC WATER LEVEL:**  
91 ft. below land surface. Date 10-20-00  
 Artesian pressure \_\_\_\_\_ lb. per square inch Date \_\_\_\_\_

(11) **WATER BEARING ZONES:**  
 Depth at which water was first found 170 ft.

From	To	Estimated Flow Rate	SWL
170	175	60 gpm	91

(12) **WELL LOG:**  
 Ground Elevation \_\_\_\_\_

Material	From	To	SWL
topsoil	0	1	
brown clay	1	10	
broken-up basalt	10	12	
red claystone soft	12	120	
gray claystone	120	187	91

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OCT 27 2000

WATER RESOURCES DEPT  
 SALEM, OREGON

Date started 10-20-00 Completed 10-20-00

(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.  
 Signed Alan M. Cochrane WWC Number 1641 Date 10-20-00

(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.  
 Signed [Signature] WWC Number 1541 Date 10-20-00

#3

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

WELL I.D. # L 44892  
START CARD # 136287

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER Well Number 6  
Name VanDyyn Land Company  
Address 33401 VanDyyn  
City Eugene State OR Zip 97408

(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 59 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	
10	0	38	cement	0	30	24 sacks
6	30	59				

How was seal placed: Method  A  B  C  D  E  
 Other \_\_\_\_\_

Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
Gravel placed from 30 ft. to 38 ft. Size of gravel 3/8

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6"	+1	59	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used  Inside  Outside  None  
Final location of shoe(s) 59'

(7) PERFORATIONS/SCREENS:  
 Perforations Method Holt Perforator  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
41	56	1/4-1	300	6	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Yield gal/min	Drawdown	Drill stem at	Time
75 gpm	43	59	1 hr.

Pump  Bailor  Air  Flowing Artesian

Temperature of water 56 Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
County Lane Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 16S N or S Range 3W E or W. WM.  
Section 27 SW 1/4 SW 1/4  
Tax Lot 200 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) Across from 33401 VanDyyn, Eugene, OR 97408

(10) STATIC WATER LEVEL:  
16 ft. below land surface. Date 11/21/00  
Artesian pressure \_\_\_\_\_ lb. per square inch Date \_\_\_\_\_

(11) WATER BEARING ZONES:

Depth at which water was first found 41

From	To	Estimated Flow Rate	SWL
41	50	75gpm	16

(12) WELL LOG:  
Ground Elevation \_\_\_\_\_

Material	From	To	SWL
Topsoil	0	1	
Brown clay and rock	1	27	
Brown broken up sandstone (hard)	27	59	16

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NOV 28 2000  
WATER RESOURCES DEPT.  
SALEM, OREGON

Date started 11/21/00 Completed 11/22/00

(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.  
Signed Ala McCracker WWC Number 1641 Date 11/22/00

(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.  
Signed [Signature] WWC Number 1541 Date 11/22/00

Not to be used

#7

STATE OF OREGON WATER SUPPLY WELL REPORT

WELL I.D. # 42672 START CARD # 129568

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number #1 Name Bill Stevenson Van Duyn Land Company Address 33401 Van Duyn City Eugene State OR Zip 97408

(2) TYPE OF WORK [X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD: [X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Other

(4) PROPOSED USE: [X] Domestic [ ] Community [ ] Industrial [ ] Irrigation [ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION: Special Construction approval [ ] Yes [X] No Depth of Completed Well 145ft. Explosives used [ ] Yes [X] No Type Amount

Table with columns: Diameter, From, To, Material, From, To, Sacks or pounds. Row 1: 10", 0, 30, cement, 0, 30, 18 sacks. Row 2: 6", 30, 145.

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E [ ] Other Backfill placed from ft. to ft. Material Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER: Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Casing: 6", +1, 37, 250, [X], [ ], [X], [ ]. Liner: [ ], [ ], [ ], [ ]. Final location of shoe(s) 37 ft.

(7) PERFORATIONS/SCREENS: Table with columns: From, To, Slot size, Number, Diameter, Material, Tele/pipe size, Casing, Liner.

(8) WELL TESTS: Minimum testing time is 1 hour. [ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian. Yield gal/min 1 Drawdown 124 Drill stem at 145 Time 1 hr. Temperature of water 56 Depth Artesian Flow Found. Was a water analysis done? [ ] Yes By whom. Did any strata contain water not suitable for intended use? [ ] Too little. [ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other. Depth of strata:

(9) LOCATION OF WELL by legal description: County Lane Latitude Longitude Township 16S N or S Range 3W E or W. WM. Section 27 SE 1/4 SW 1/4 Tax Lot 200 Lot Block Subdivision Street Address of Well (or nearest address) Across from above address.

(10) STATIC WATER LEVEL: 21 ft. below land surface. Date 8-10-00 Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES: Depth at which water was first found 45 ft.

Table with columns: From, To, Estimated Flow Rate, SWL. Row 1: 45, 50, 1, 21.

(12) WELL LOG: Ground Elevation 650'

Table with columns: Material, From, To, SWL. Rows: topsoil (0-2), brown clay (2-8), gray/brown conglom. med. (8-72), gray sandstone med. (72-113), gray/green conglom. soft (113-145). Includes RECEIVED stamp dated AUG 17 2000 and WATER RESOURCES DEPT. SALEM, OREGON.

Date started 8-9-00 Completed 8-10-00

(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. Signed George [Signature] WWC Number 1722 Date 8-10-00

(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. Signed [Signature] WWC Number 1541 Date 8-10-00

Not to be Used

#8

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

WELL I.D. # L 42679  
START CARD # 129575

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number #2  
Name Bill Stevenson Van Duyn Land Company  
Address 33401 Van Duyn  
City Eugene State OR Zip 97408

(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 190 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE		SEAL					
Diameter	From To	Material	From To	Sacks or pounds			
10"	0 80	cement	0 80	29 sacks			
6"	80 190						

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 \_\_\_\_\_

Casing:	Diameter	From	To	Gauge	Material			
					Steel	Plastic	Welded	Threaded
	6"	+2	98	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:	4 1/2"	2	190	pvc	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 98 ft.

(7) PERFORATIONS/SCREENS:  
 Perforations Method saw  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
110	190	1/8	800	2"	4 1/2"	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

<input type="checkbox"/> Pump	<input type="checkbox"/> Bailer	<input checked="" type="checkbox"/> Air	<input type="checkbox"/> Flowing
Yield gal/min	Drawdown	Drill stem at	Artesian
15	165	190	Time 1 hr.

Temperature of water 55 Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
County Lane Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 16S N or S Range 3W E or W. WM. \_\_\_\_\_  
Section 27 SE 1/4 SW 1/4  
Tax Lot 200 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) Across from above address.

(10) STATIC WATER LEVEL:  
25 ft. below land surface. Date 8-14-00  
Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:  
Depth at which water was first found \_\_\_\_\_ 120 ft.

From	To	Estimated Flow Rate	SWL
120	127	15	25

(12) WELL LOG:  
Ground Elevation \_\_\_\_\_

Material	From	To	SWL
topsoil	0	2	
brown clay	2	38	
gray clay	38	71	
gray conglom. med.	71	190	25

**RECEIVED**

AUG 17 2000

WATER RESOURCES DEPT.  
SALEM, OREGON

Date started 8-13-00 Completed 8-14-00

(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.

Signed \_\_\_\_\_ WWC Number 1722 Date 8-14-00

(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.

Signed \_\_\_\_\_ WWC Number 1541 Date 8-14-00

Not to be Used

#9

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

WELL I.D. # L 44369  
START CARD # 136134

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER Well Number 4  
Name Bill Stevenson-VanDuyyn Land Company  
Address 33401 Van Duyyn  
City Eugene State OR Zip 97408-9212

(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 137 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
10	0	43	cement	0	43	13 sacks
6	43	137				

How was seal placed: Method  A  B  C  D  E  
 Other \_\_\_\_\_  
Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6"	+2	43	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 4 1/2"	+1	137	PVC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used  Inside  Outside  None  
Final location of shoe(s) \_\_\_\_\_

(7) PERFORATIONS/SCREENS:

Perforations Method Saw  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
77	137	1/8-2	600	4 1/2"	pvc	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Pump  Bailer  Air  Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
10 gal	58	137	1 hr.

Temperature of water 56 Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
County Lane Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 16S N or S Range 3W E or W. WM.  
Section 27 SE 1/4 SW 1/4  
Tax Lot 200 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) Across from 33401 VanDuyyn, Eugene

(10) STATIC WATER LEVEL:  
79 ft. below land surface. Date 10/10/00  
Artesian pressure \_\_\_\_\_ lb per square inch Date \_\_\_\_\_

(11) WATER BEARING ZONES:

Depth at which water was first found 90

From	To	Estimated Flow Rate	SWL
90	95	10gpm	79

(12) WELL LOG:

Ground Elevation \_\_\_\_\_

Material	From	To	SWL
Topsoil	0	2	
Tan clay	2	10	
DarkBrown Clay	10	12	
TanBlueGrayCongl.	12	30	
Brown sandstone (soft)	30	38	
Gray Claystone (soft)	38	120	79
Red claystone (soft)	120	134	
Gray claystone (soft)	134	145	
GrayBlueGreenCongl (soft)	145	170	
Gray claystone (soft)	170	240	

**RECEIVED**  
OCT 18 2000  
WATER RESOURCES DEPT  
SALEM, OREGON

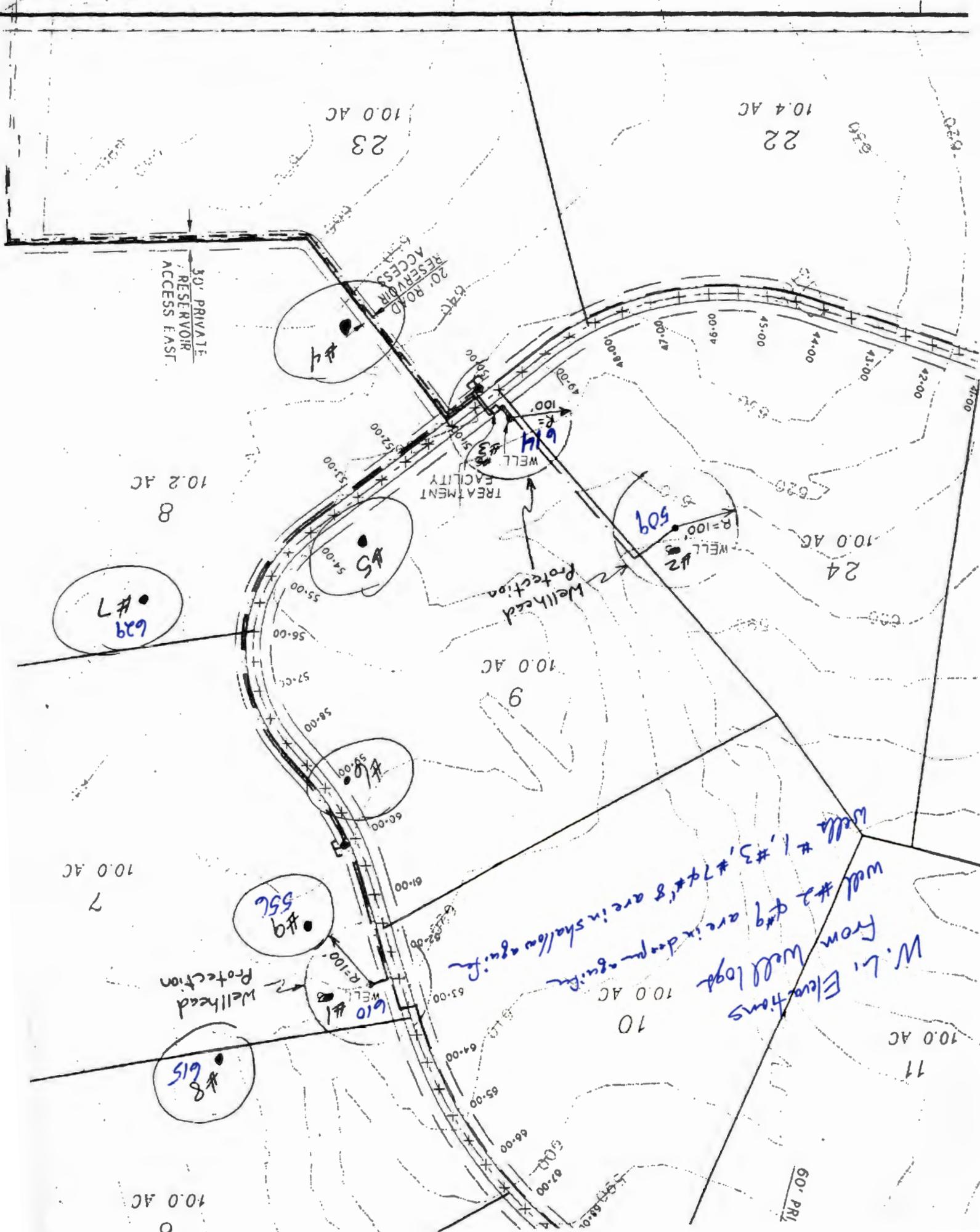
Date started 10/10/00 Completed 10/10/00

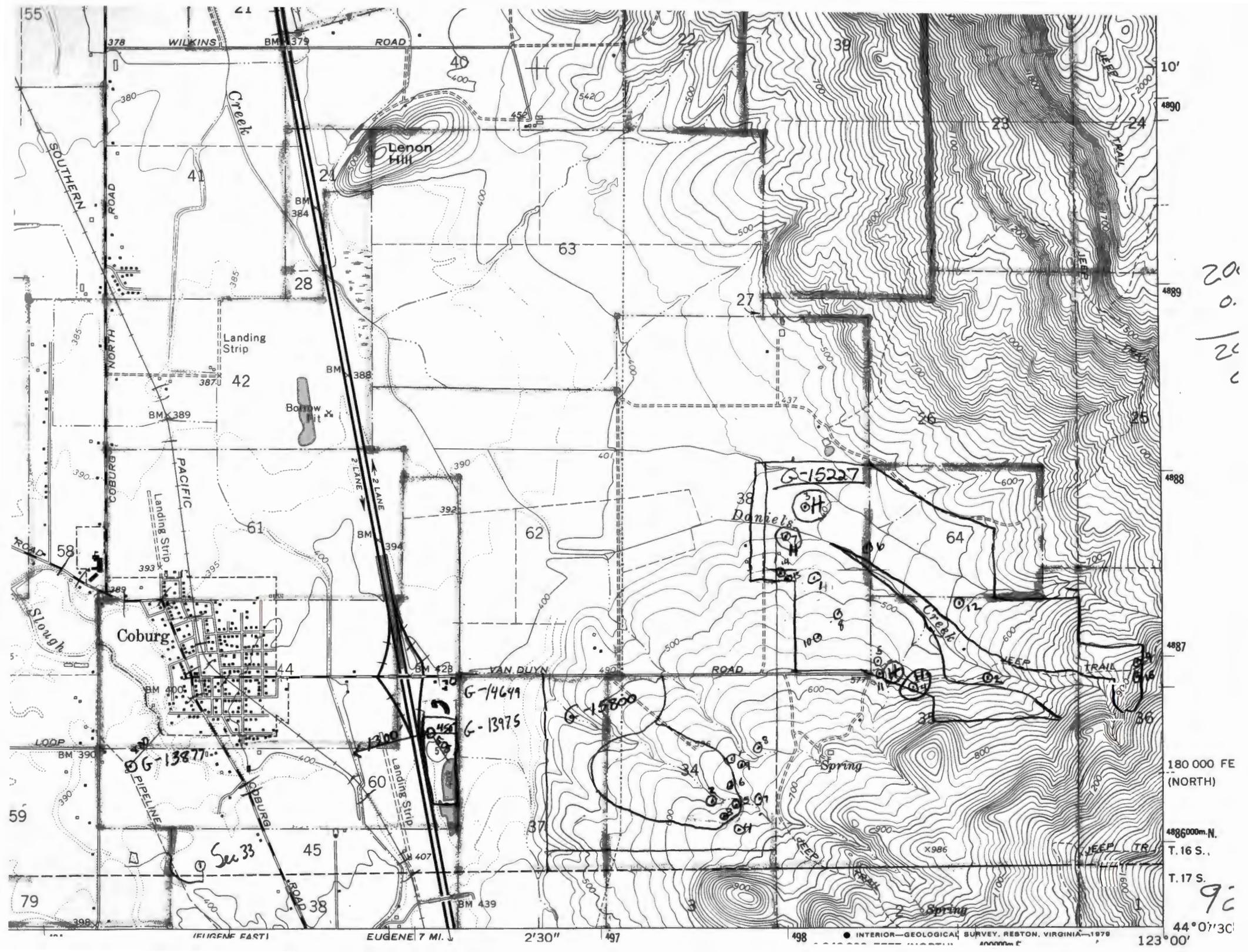
(unbonded) Water Well Constructor Certification:  
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

Signed Alan McCreesh WWC Number 1641 Date 10/10/00

(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.

Signed [Signature] WWC Number 1541 Date 10/10/00





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PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 15800

\$RECNO	APPLICATION	PERMIT	LOC-QQ	USE	RATE	DIV-UNITS
1	G	4283	G 4032	16.00S 3.00W29NENE MU	0.1000	C
2	G	13143	G 12272	16.00S 3.00W27NESE AG	0.1110	C
3	G	7960	G 7397	16.00S 3.00W29SESE IR	0.6100	C
4	G	1726	G 1580	16.00S 3.00W32NENE MU	0.3100	C
4	GR	956	GR 927	16.00S 3.00W32NENE IR	150.0000	G
4	GR	2525	GR 2388	16.00S 3.00W32NENE IR	360.0000	G
5	G	624	G 512	16.00S 3.00W32SENE IR	0.0500	C
5	G	13683	G 11950	16.00S 3.00W32SENE IR	145.6000	G
5	GR	954	GR 925	16.00S 3.00W32SENE IR	200.0000	G
5	GR	955	GR 926	16.00S 3.00W32SENE IR	150.0000	G
5	GR	2526	GR 2389	16.00S 3.00W32SENE IR	200.0000	G
6	G	2773	G 2615	16.00S 3.00W33SENE CM	0.0300	C
6	G	2773	G 2615	16.00S 3.00W33SENE IR	0.0300	C
6	G	2773	G 2615	16.00S 3.00W33SENE IS	0.0300	C
7	G	4217	G 3981	16.00S 3.00W32NESE IR	0.2400	C
7	G	4217	G 3981	16.00S 3.00W32NESE IS	0.5000	C
7	G	4284	G 4033	16.00S 3.00W32NESE MU	0.3000	C
7	GR	2342	GR 2226	16.00S 3.00W32NESE IR	240.0000	G
8	GR	587	GR 558	16.00S 3.00W33NWSW IR	115.0000	G
8	GR	2341	GR 2225	16.00S 3.00W33NWSW IR	240.0000	G
9	G	729	G 666	16.00S 3.00W33NESW IR	0.0200	C
9	G	729	G 666	16.00S 3.00W33NESW IR	0.0600	C
10	G	13975	G 12606	16.00S 3.00W33NESE CM	0.0820	C
10	G	13975	G 12606	16.00S 3.00W33NESE IS	0.0460	C
11	GR	979	GR 949	16.00S 3.00W32SESE IR	400.0000	G
12	GR	450	GR 435	16.00S 3.00W33SWSW IR	400.0000	G
12	GR	581	GR 553	16.00S 3.00W33SWSW IR	110.0000	G
13	GR	450	GR 435	16.00S 3.00W33SESW IR	250.0000	G
14	G	1054	G 933	17.00S 3.00W 5NENE IR	0.3700	C
14	GR	3228	GR 3005	17.00S 3.00W 5NENE IR	260.0000	G
14	GR	3229	GR 3006	17.00S 3.00W 5NENE IR	260.0000	G
15	G	1053	G 932	17.00S 3.00W 4NENW IR	0.3700	C
16	G	239	G 235	17.00S 3.00W 5SENE IR	0.3800	C
17	GR	4205	GR 3755	17.00S 3.00W 4SWNW IR	450.0000	G
18	G	13442	G 12090	17.00S 3.00W 4SENW IR	120.0000	A
18	GR	4204	GR 3754	17.00S 3.00W 4SENW IR	450.0000	G
18	GR	4203	GR 3843	17.00S 3.00W 4SENW IR	450.0000	G
19	GR	315	GR 296	17.00S 3.00W 4NWSE IR	600.0000	G
20	GR	669	GR 642	17.00S 3.00W 4NESE IR	250.0000	G
21	G	1584	G 1506	17.00S 3.00W 2SWSE IR	0.0600	C
22	GR	1857	GR 1798	17.00S 3.00W 9NENE ID	30.0000	G

\*\*\*\*\*

CONDITIONED WELLS WITHIN 5 MILES OF APPLICATION G 15800

\$RECNO	APPLICATION	PERMIT	LOC-QQ	CONDITION-CODE
1	G	12851	G 12212	16.00S 4.00W11SWSE 7DG
1	G	12851	G 12212	16.00S 4.00W11SWSE 7DR
1	GR	408	GR 391	16.00S 4.00W11SWSE
1	GR	1826	GR 1770	16.00S 4.00W11SWSE
2	G	13192	G 12213	16.00S 3.00W 8SESE 7IG
2	G	13192	G 12213	16.00S 3.00W 8SESE 7IR
2	G	13192	G 12213	16.00S 3.00W 8SESE 7IG
2	G	13192	G 12213	16.00S 3.00W 8SESE 7IR
3	G	13192	G 12213	16.00S 3.00W17NENE 7IG
3	G	13192	G 12213	16.00S 3.00W17NENE 7IR
3	G	13192	G 12213	16.00S 3.00W17NENE 7IG
3	G	13192	G 12213	16.00S 3.00W17NENE 7IR
4	G	13143	G 12272	16.00S 3.00W27NESE 7BG
4	G	13143	G 12272	16.00S 3.00W27NESE 7BR
4	G	13143	G 12272	16.00S 3.00W27NESE 7DG
4	G	13143	G 12272	16.00S 3.00W27NESE 7DR
5	G	13975	G 12606	16.00S 3.00W33NESE 7BG
5	G	13975	G 12606	16.00S 3.00W33NESE 7BR
5	G	13975	G 12606	16.00S 3.00W33NESE 7BG
5	G	13975	G 12606	16.00S 3.00W33NESE 7BR

\*\*\*\*\*

APPLICATION G 15800 FALLS WITHIN THESE QUAD(S)

COBURG

\*\*\*\*\*

**LAW OFFICE OF BILL KLOOS, PC**

OREGON LAND USE LAW

576 OLIVE STREET, SUITE 300  
EUGENE, OR 97401  
PO BOX 11906  
EUGENE, OR 97440  
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FAX (541) 343-8702  
E-MAIL KIMODEA@CONTINET.COM**FAX TRANSMITTAL SHEET**

I am transmitting -~~9~~ - page(s), including this cover sheet.

From: Kim O'Dea  
Date: November 26, 2002  
Rc: Kloos/Van Duyn G-15800  
To: Mark Norton 503 378 2496

I am a little unsure how to further clarify things, so let me start from scratch. Both the table below and the original narrative (dated July 16, 2002) explain the relationship between the application well numbers and well log well numbers. As part of the original application, I provided two oversized maps. One map is an assessor's map with wells #1, #2 and #3 (existing wells proposed for use) and wells #4, #5 and #6 (future wells) plotted on it. The second map is a subdivision map with wells #3, #5 and #6 plotted on it. The subdivision map is labeled with the original well log well numbers ... which is confusing. Therefore, I am faxing excerpts from both of these maps with all wells identified per the application. The table below will be directly applicable. Also, I am faxing each well log with the application well number prominently displayed at the top.

I will drop both maps, in their full size version, with the updates in the mail today. Please let me know if there is anything further I can do.

- |                                     |                             |                          |                                     |
|-------------------------------------|-----------------------------|--------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | Fax transmittal only        | <input type="checkbox"/> | An original is being delivered      |
| <input type="checkbox"/>            | An original is being mailed | <input type="checkbox"/> | An original is available on request |

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## Fax from Law Office of Bill Kloos, PC – Page 2

Application Well Number	Well Log Well # Number	Well Log ID # Number <sup>1</sup>
#1 (Existing)	#3	#42680 <i>LANE 58518</i>
#2 (Existing)	#5 <i>44872 →</i>	? Cannot Read <i>LANE 58952</i>
#3 (Existing)	#6	#44892 <i>LANE 59072</i>
#4 (Proposed)	N/A	N/A
#5 (Proposed)	N/A	N/A
#6 (Proposed)	N/A	N/A
<i>(#7 - Not to be used)</i>	#1	#42672 <i>LANE 58519</i>
<i>(#8 - Not to be used)</i>	#2	#42679 <i>LANE 58540</i>
<i>(#9 - Not to be used)</i>	#4	#44369 <i>LANE 58823</i>

---

<sup>1</sup>Located in the top, right-hand corner of the Well Log, "WELL I.D. # L."

- |                                     |                             |                          |                                     |
|-------------------------------------|-----------------------------|--------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | Fax transmittal only        | <input type="checkbox"/> | An original is being delivered      |
| <input type="checkbox"/>            | An original is being mailed | <input type="checkbox"/> | An original is available on request |

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#1

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

ILL.D. # L 42630  
 ART CARD # 129577

Instructions for completing this report are on the last page of this form.

(1) OWNER: **Bill Stevenson** Well Number **83**  
 Name **Van Duyn Land Company**  
 Address **33401 Van Duyn**  
 City **Eugene** State **OR** Zip **97408**

(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 **170** ft.  
 Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

ROPE		SEAL		Racks or pounds	
Diameter	From To	Material	From To		
10"	0 26	cement	0 26	2	2 sacks
6"	26 90				

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	Cauge	Steel	Plastic	Welded	Threaded
Casing: 6"	+1 1/2	28 1/2	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Liner: 4 1/2"	0	90	pvc	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) **28 1/2 FT.**

(7) PERFORATIONS/SCREENS:  
 Perforations Method **SAW**  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

From	To	Slot size	Number	Diameter	Tube/pipe size	Casing	Liner
30	90	1/8	600	2"	4 1/2"	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Yield gal/min	Drawdown	Drill stem seal	Flowing Artesian	Time
75	75	90	<input checked="" type="checkbox"/>	1 hr.

Temperature of water **55** Depth Artesian Flow Pound \_\_\_\_\_

Was a water analysis done?  Yes By whom \_\_\_\_\_

Did any strata contain water not suitable for intended use?  Too little

Salty  Muddy  Odor  Colored  Other \_\_\_\_\_

Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
 County **Lane** Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Township **16S** N or S Range **3W** E or W. WM.  
 Section **27** SE 1/4 SW 1/4  
 Tax Lot **200** Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
 Street Address of Well (or nearest address) **ACROSS FROM ABOVE**

(10) STATIC WATER LEVEL:  
**15** ft. below land surface. Date **8-14-00**  
 Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:  
 Depth at which water was first found **47** ft.

From	To	Estimated Flow Rate	SWL
47	53	30	15
74	77	45	15

(12) WELL LOG:  
 Ground Elevation \_\_\_\_\_

Material	From	To	SWL
topsoil	0	2	
brown clay	2	19	
brown gray conglom. med.	19	90	15

Date started **8-14-00** Completed **8-14-00**

(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.

Signed \_\_\_\_\_ WWC Number **1722**  
 Date **8-14-00**

(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.

Signed \_\_\_\_\_ WWC Number **1541**  
 Date **8-14-00**

#2

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

WELL I.D. # 1. START CARD #

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER: Van Duren Back, 3401 Van Duren, Eugene, OR

(9) LOCATION OF WELL: County, Township, Section, Tax Lot, Block, Subdivision, Street Address

(2) TYPE OF WORK: [X] New Well [ ] Deepening [ ] Alteration [ ] Abandonment

(3) DRILL METHOD: [X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Other

(10) STATIC WATER LEVEL: Depth below land surface, Artesian pressure

(4) PROPOSED USE: [X] Domestic [ ] Community [ ] Industrial [ ] Irrigation [ ] Thermal [ ] Injection [ ] Livestock [ ] Other

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

(5) BORE HOLE CONSTRUCTION: Special Construction approval [ ] Yes [X] No, Depth of Completed Well 187 ft.

Table with 4 columns: From, To, Estimated Flow Rate, SWL. Row 1: 170, 170, 91

Table with 6 columns: Diameter, From, To, Material, From, To, Sacks or pounds. Row 1: 10", 0, 38, Concrete, 0, 38, 1

(12) WELL LOG: Ground Elevation

How was seal placed: Method [ ] A [ ] B [ ] C [ ] D [ ] E [ ] Other

Table with 4 columns: Material, From, To, SWL. Rows for various materials like gravel, sand, etc.

(6) CASING/LINER: Casing: 6" 43 127, Liner: 4 1/2" 2 187

Date started, Completed

Drive Shoe used [ ] Inside [X] Outside [ ] None

(unbonded) Water Well Constructor Certification

(7) PERFORATIONS/SCREENS: [X] Perforations Method SCW, [ ] Screens

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.

(8) WELL TESTS: Minimum testing time is 1 hour. Pump, Bailer, Air, Artesian. Yields, Drawdown, Drill stem at, Time

Signature, WWC Number, Date

Temperature of water, Depth Artesian Flow Found, Was a water analysis done?, Did any smets contain water not suitable for intended use?

(bonded) Water Well Constructor Certification: I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction phase required above.

# 3

STATE OF OREGON  
WATER SUPPLY WELL REPORT

WELL I.D. # 44802  
START CARD # 135287

(as required by ORS 537.745)  
Instructions for completing this report are on the last page of this form.

(1) LAND OWNER  
Name VanDyke Land Company Well Number 6  
Address 33401 VanDyke  
City Dufur State OR Zip 97408

(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 59 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

TABLE: Bore Hole Construction Details

DIA. & SEAL			SEAL			Sacks or pieces
Diameter	From	To	Material	From	To	
10	0	38	cement	0	30	24 sacks
6	30	59				

How was seal placed: Method  A  B  C  D  E

Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_

Gravel placed from 30 ft. to 38 ft. Size of gravel 3/8

(6) CASING/LINER:

Casing/Liner	Diameter	From	To	Material				
				Gauge	Steel	Plastic	Welded	Threaded
Casing	6"	+1	59	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used  Inside  Outside  None  
Final location of shoe(s) 59'

(7) PERFORATIONS/SCREENS:  
 Perforations Method Holt Perforator  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

TABLE: Perforations/Screen Details

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
41	56	1/4-1	300	6	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

TABLE: Well Test Results

Yield gallon	Drawdown	Drill stem at	Flowing Artesian	Time
75 gpm	43	59	<input type="checkbox"/>	1 hr.

Temperature of water 56 Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
Did any tests contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
County Lane Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 16S N or S Range 34 E or W W.M.  
Section 27 SW 1/4 SW 1/4  
Tax Lot 200 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) Access from 33401 VanDyke, Dufur, OR 97408

(10) STATIC WATER LEVEL:  
16 ft. below land surface. Date 11/21/00  
Artesian pressure \_\_\_\_\_ lb. per square inch Date \_\_\_\_\_

(11) WATER BEARING ZONES:  
Depth at which water was first found 41

TABLE: Water Bearing Zones

From	To	Estimated Flow Rate	SWL
41	50	7 gpm	16

(12) WELL LOG:  
Ground Elevation \_\_\_\_\_

TABLE: Well Log

Material	From	To	SWL
Topsoil	0	1	
Brown clay and silt	1	27	
Brown broken up sandstone (hard)	27	59	16

Date started 11/21/00 Completed 11/22/00

(bonded) Water Well Contractor 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.

Signed Alan McCumber WWC Number 1681  
Date 11/22/00

(bonded) Water Well Contractor 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.

Signed \_\_\_\_\_ WWC Number 1541  
Date 11/22/00

EXHIBIT D

well # 7

STATE OF OREGON WATER SUPPLY WELL REPORT

(As required by ORS 537.165)

Instructions for completing this report are on the last page of this form.

WELL I.D. # L 42672 START CARD # 12956E

(1) OWNER: Well Number 21 Name Bill Stevenson Van Dryn Corp Company Address 33401 Van Dryn City Eugene State OR Zip 97408

(2) TYPE OF WORK [X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD: [X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Other

(4) PROPOSED USE: [X] Domestic [ ] Community [ ] Industrial [ ] Irrigation [ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION: Special Construction approval [ ] Yes [X] No Depth of Completed Well 145 ft. Explosives used [ ] Yes [X] No Type Amount

Table with columns for HOLE and SEAL. HOLE: Diameter, From, To, Material, From, To, Feet or pounds. SEAL: Diameter, From, To, Material, From, To, Feet or pounds.

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E [ ] Other

Backfill placed from ft. to ft. Material Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER: Table with columns for Dia, Diameter, From, To, Gauge, Steel, Flank, Welded, Threaded.

Final location of shoe(s) 37 ft.

(7) PERFORATIONS/SCREENS: Table with columns for From, To, Slot size, Number, Diameter, Telepipe size, Casing, Liner.

(8) WELL TESTS: Minimum testing time is 1 hour. [ ] Pump [ ] Bailor [X] Air [ ] Flowing Artesian. Yield (gpm) Drawdowns DWH normal Time.

Temperature of water 56 Depth Artesian Flow Found Was a water analysis done? [ ] Yes By whom Did any strata contain water not suitable for intended use? [ ] Too little. [ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other Depth of strata:

(9) LOCATION OF WELL by legal description: County Lane Latitude Longitude Township 10E N or S Range 3W E or W. WM. Section 27 SE 1/4 SW 1/4 Tax Lot 200 Lot Block Subdivision Street Address of Well (or nearest address) cross from above

(10) STATIC WATER LEVEL: 21 ft. below land surface. Date 8-10-00 Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES: Depth at which water was first found 45 ft.

Table with columns: From, To, Estimated Flow Rate, SWL.

(12) WELL LOG: Ground Elevation

Table with columns: Material, From, To, SWL. Includes entries like topsoil, brown clay, gray/brown conglom. med., gray sandstone med., gray/green conglom. soft.

Date started 8-9-00 Completed 8-10-00

(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.

Signed [Signature] WWC Number 1722 Date 8-10-00

(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.

Signed [Signature] WWC Number 1541 Date 8-10-00

Well # #8

STATE OF OREGON WATER SUPPLY WELL REPORT

WELL I.D. # 42679 START CARD # 129577

Instructions for completing this report are on the last page of this form.

(1) OWNER: Name Bill Stevenson Van Duzen Land Company Address 33401 Van Duzen City Eugene State OR Zip 97408

(2) TYPE OF WORK [X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD: [X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Other

(4) PROPOSED USE: [X] Domestic [ ] Community [ ] Industrial [ ] Irrigation [ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION: Special Construction approval [ ] Yes [X] No Depth of Completed Well 100 ft Explosives used [ ] Yes [X] No Type Amount

Table with columns: HOLE Diameter, From, To, Material, SEAL From, To, Sacks or pounds. Row 1: 10", 0, 80, cement, 0, 10, 20 (sealing). Row 2: 6", 80, 190.

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E [ ] Other Backfill placed from ft. to ft. Material Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER: Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Casing: 6", +2, 90, 250, [X], [ ], [ ], [ ]. Liner: 4 1/2", 2, 190, PVC, [ ], [X], [ ], [ ].

Final location of shoe(s) 98 ft.

(7) PERFORATIONS/SCREENS: Table with columns: From, To, Slot size, Number, Diameter, Trip/pipe size, Casing, Liner. Row 1: 110, 190, 1/8, 800, 2", 1 1/2", [ ], [X].

(8) WELL TESTS: Minimum testing time is 1 hour

Table for well tests with columns: Pump, Yield gal/min, Baller, Drawdown, Air, Drill stem at, Flowing Artesian, Time. Row 1: 15, 165, 190, 1 hr.

Temperature of water 55 Depth Artesian Flow Found Was a water analysis done? [ ] Yes By whom Did any strata contain water not suitable for intended use? [ ] Too little [ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other Depth of strata:

(9) LOCATION OF WELL by legal description: Country 1-117 Latitude Longitude Township 1-1-1 N or S Range 3N E or W. WM. Section 27 SE 1/4 SW 1/4 Tax Lot 200 Lot Block Subdivision Street Address of Well (or nearest address) Across from above

(10) STATIC WATER LEVEL: 25 ft. below land surface. Date 8-14-00 Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES: Depth at which water was first found 170 ft.

Table with columns: From, To, Estimated Flow Rate, SWL. Row 1: 170, 127, 15, 2 1/2.

(12) WELL LOG: Ground Elevation

Table for well log with columns: Material, From, To, SWL. Row 1: topsoil, 0, 2. Row 2: broken clay, 2, 38. Row 3: sandy clay, 38, 71. Row 4: sandy conglom. med., 71, 190, 25.

Date started 8-13-00 Completed 8-14-00

(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. Signed [Signature] WWC Number 1722 Date 8-14-00

(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. Signed [Signature] WWC Number 1541 Date 8-14-00

Well #9

STATE OF OREGON WATER SUPPLY WELL REPORT

WELL I.D. # L 44366 START CARD # 136134

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER: Name Bill Stevenson-Vanduyne Land Company, Address 33401 Van Duyn, City Eugene, State OR, Zip 97408-9212

(2) TYPE OF WORK: [X] New Well [ ] Deepening [ ] Alteration [ ] Abandonment

(3) DRILL METHOD: [X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Other

(4) PROPOSED USE: [X] Domestic [ ] Community [ ] Industrial [ ] Irrigation [ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION: Special Construction approval [ ] Yes [X] No Depth of Completed Well 137 ft. Explosives used [ ] Yes [X] No Type Amount

Table with columns: HOLE Diameter, SEAL Material, From, To, Sacks or pounds. Row 1: 10, 0, 43, cement, 0, 43, 13 sacks. Row 2: 6, 43, 137.

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E [ ] Other

Backfill placed from \_\_\_ ft. to \_\_\_ ft. Material Gravel placed from \_\_\_ ft. to \_\_\_ ft. Size of gravel

(6) CASING/LINER: Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Casing: 5", +2, 43, 250, [X]. Liner: 4 1/2", +1, 137, PVC, [X].

Drive Shoe used [ ] Inside [ ] Outside [X] None Final location of shoe(s)

(7) PERFORATIONS/SCREENS: [X] Perforations Method Saw [ ] Screens Type Material

Table with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner. Row 1: 77, 137, 1/8-2, 600, 4 1/2, pvc, [ ], [ ].

(8) WELL TESTS: Minimum testing time is 1 hour

Table with columns: Pump, Boiler, Air, Flowing Artesian, Yield gal/min, Drawdown, Drill stem size, Time. Row 1: 10 gal, 56, 137, 1 hr.

Temperature of water 56 Depth Artesian Flow Found Was a water analysis done? [ ] Yes By whom Did any strata contain water not suitable for intended use? [ ] Too little [ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other Depth of sunken

(9) LOCATION OF WELL by legal description: County Lane Latitude Longitude Township 16S N or S Range 3W E or W WM Section 27 SE 1/4 SW 1/4

Tax Lot 200 Lot Block Subdivision Street Address of Well (or nearest address): Across from 33401 Vanduyne, Eugene

(10) STATIC WATER LEVEL: 79 ft below land surface. Date 10/10/00 Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES: Depth at which water was first found 90

Table with columns: From, To, Estimated Flow Rate, SWL. Row 1: 90, 95, 10gpm, 79

(12) WELL LOG: Ground Elevation

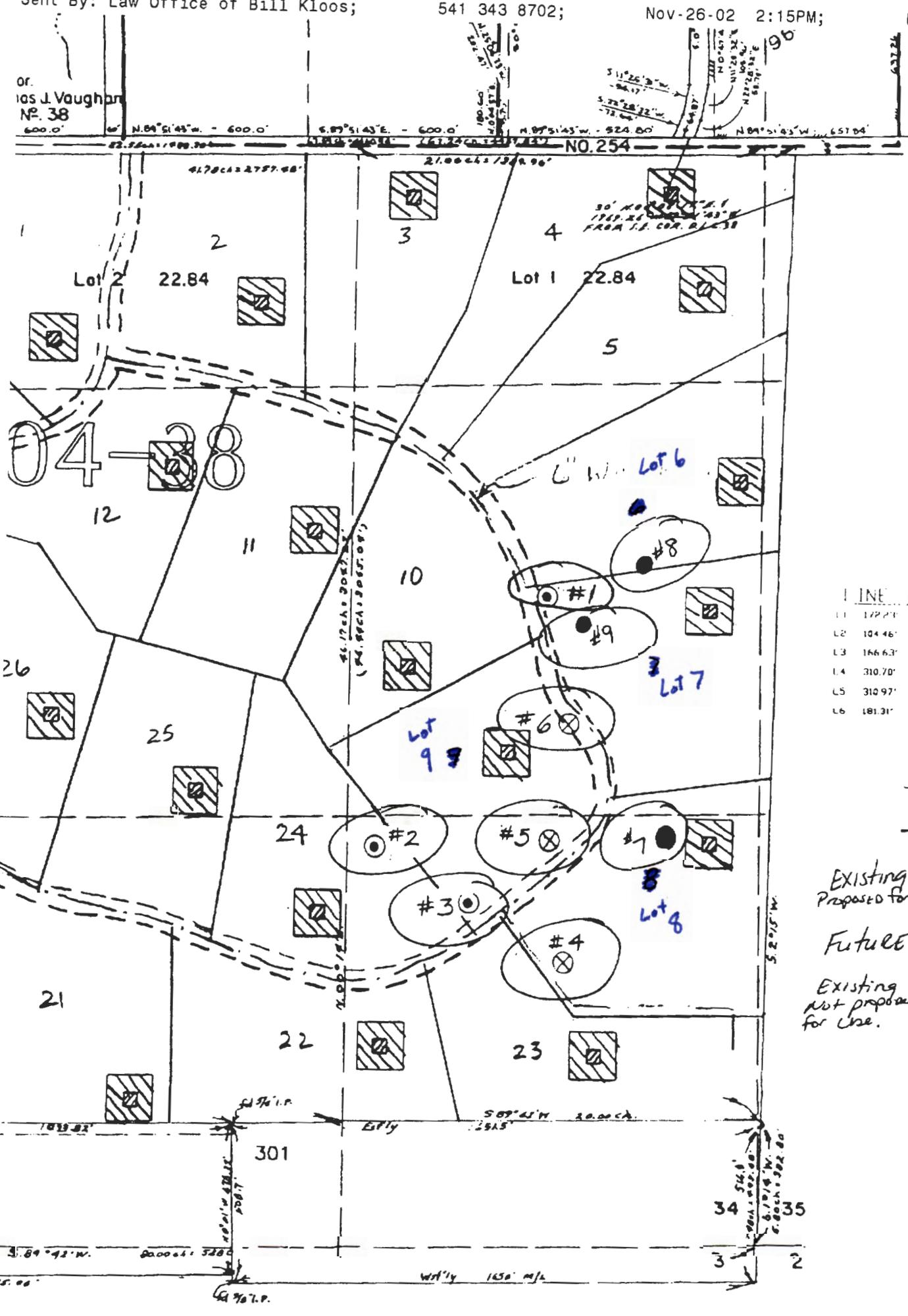
Table with columns: Material, From, To, SWL. Rows include: Topsoil (0-2), Tan clay (2-10), Dark Brown Clay (10-12), Tan Blue Gray Congl. (12-30), Green sandstone (soft) (30-38), Gray claystone (soft) (38-120), Red claystone (soft) (120-134), Gray claystone (soft) (134-145), Gray Blue Green Congl. (soft) (145-170), Gray claystone (soft) (170-240).

Date started 10/10/00 Completed 10/10/00

(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. Material used and information reported above are true to the best of my knowledge and belief. Signed Alan McCracken WWC Number 1641 Date 10/10/00

(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. Signed WWC Number 1541 Date 10/10/00

of  
ias J. Vaughan  
No. 38  
600.0'



See Map 16 03 35

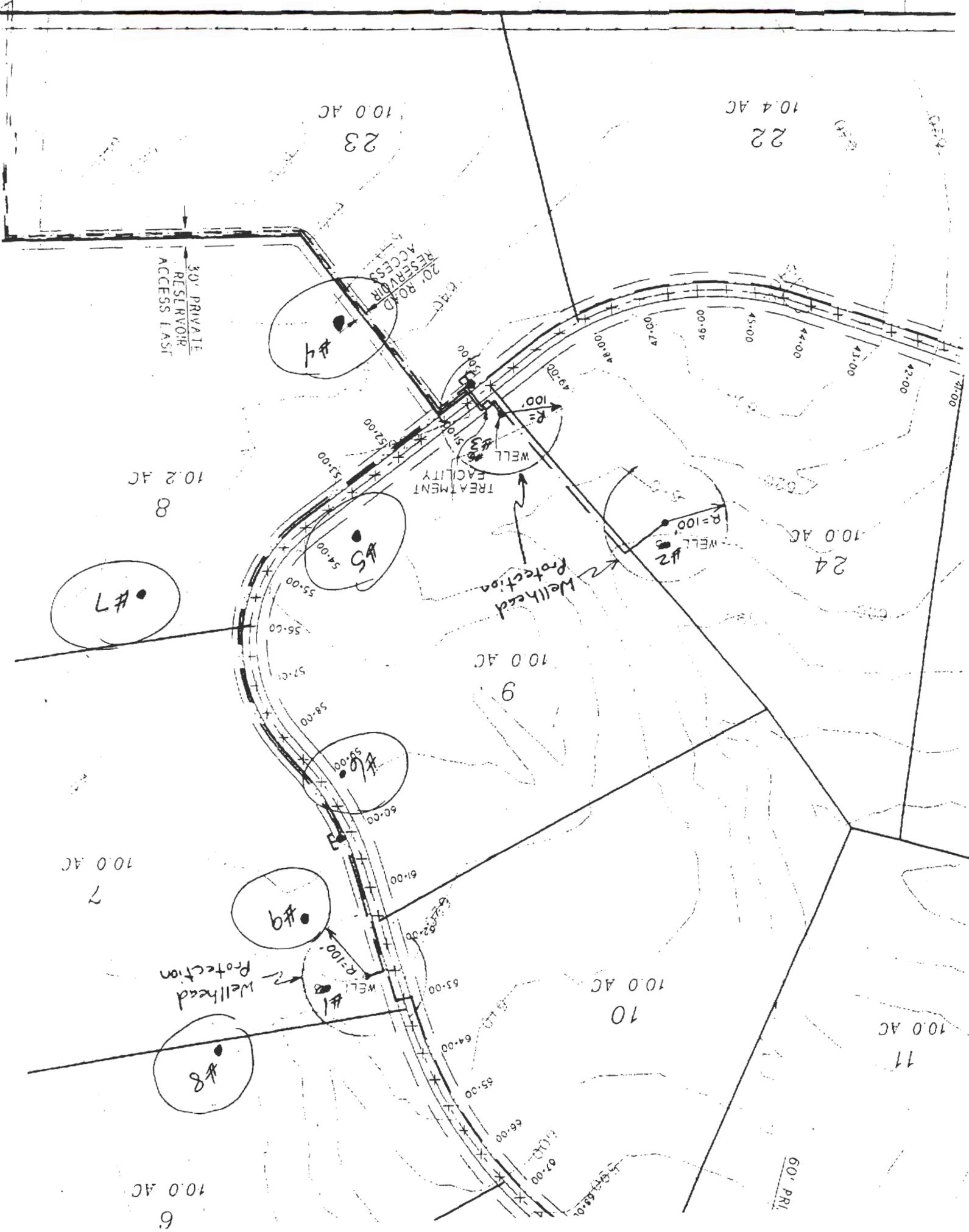
LINE TABLE

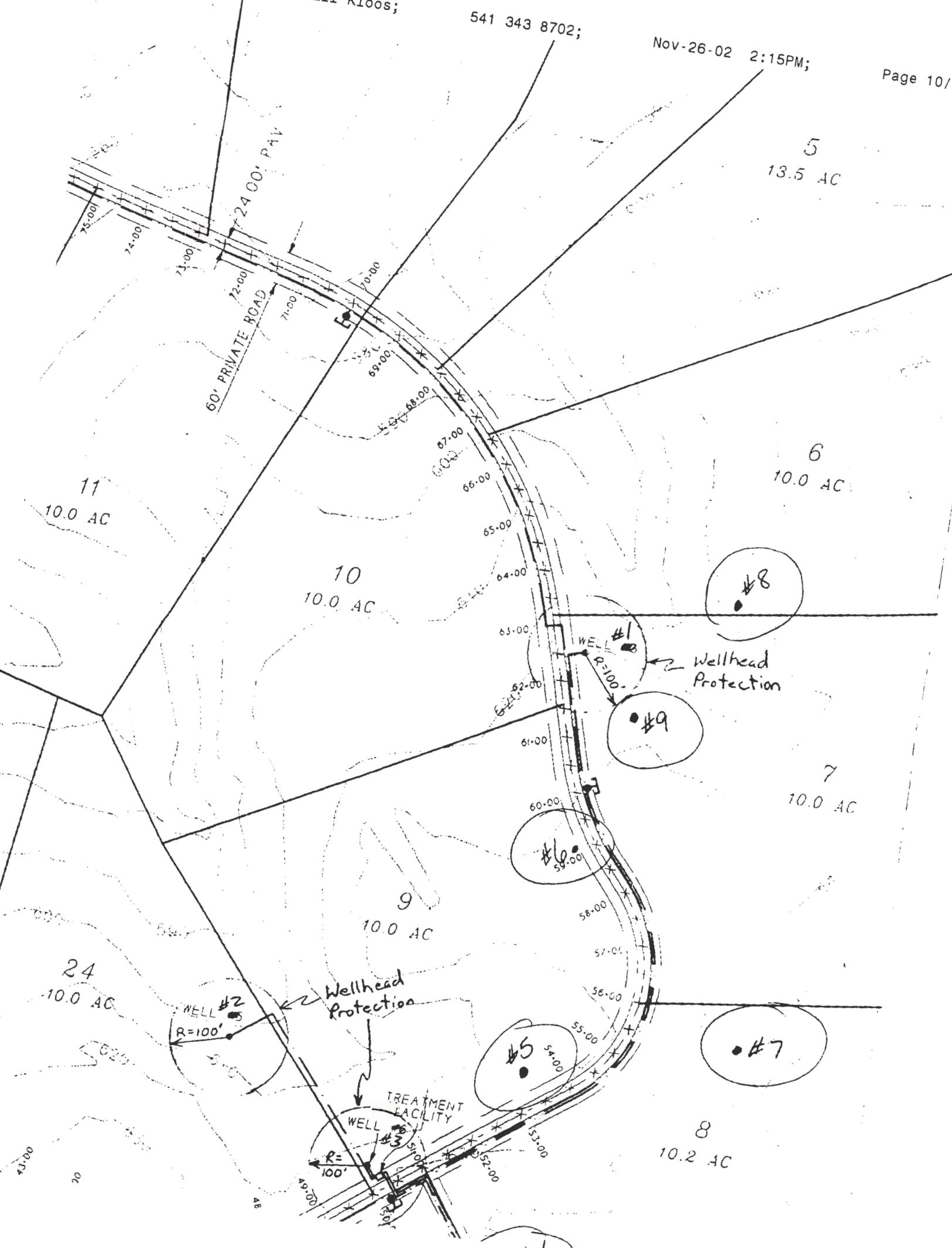
L1	172.23'	N 78°36'48" W
L2	104.46'	N 29°05'25" W
L3	166.63'	S 00°30'24" W
L4	310.70'	N 89°52'11" W
L5	310.97'	N 86°02'11" W
L6	181.31'	N 79°37'45" W

Legend

- Existing Proposed for Use — ⊙ Ex
- Future — ⊗ Fu
- Existing Not proposed for Use. — ● (Referen Oregon)







5  
13.5 AC

6  
10.0 AC

11  
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7  
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24  
10.0 AC

8  
10.2 AC

60' PRIVATE ROAD

Wellhead Protection

Wellhead Protection

TREATMENT FACILITY

WELL #2  
R=100'

WELL #3  
R=100'

WELL #1  
R=100'

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**LAW OFFICE OF BILL KLOOS, PC**

OREGON LAND USE LAW

576 OLIVE STREET, SUITE 300  
EUGENE, OR 97401  
PO BOX 11906  
EUGENE, OR 97440  
TEL (541) 343-0323  
FAX (541) 343-8702  
E-MAIL KIMODEA@CONTINET.COM

**FAX TRANSMITTAL SHEET**

I am transmitting - 6 - page(s), including this cover sheet.

From: Kim O'Dea  
Date: November 21, 2002  
Re: Kloos/Van Duyn G-15800  
To: Mark Norton 503 378 2496

**RECEIVED**  
**NOV 22 2002**  
**WATER RESOURCES DEPT.**  
**SALEM, OREGON**

Attached are excerpts from two maps that show the location of the existing three wells proposed for use (wells #3, #5 and #6) and the existing three wells not proposed for use (wells #1, #2 and #4). Wells #1 and #4 have collapsed. Also attached are the well logs for wells #1, #2 and #4. Below is a table that clarifies the relationship between the application well numbers and the well log numbers.

Application Well Number	Well Log Well # Number	Well Log ID # Number <sup>1</sup>
#1 (Existing)	#3	#42680
#2 (Existing)	#5	? Cannot Read
#3 (Existing)	#6	#44892
#4 (Proposed)	N/A	N/A
#5 (Proposed)	N/A	N/A
#6 (Proposed)	N/A	N/A
(#7 - Not to be used)	#1	#42672
(#8 - Not to be used)	#2	#42679
(#9 - Not to be used)	#4	#44369

<sup>1</sup>Located in the top, right-hand corner of the Well Log, "WELL I.D. # L."

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Fax transmittal only | <input type="checkbox"/> An original is being delivered      |
| <input type="checkbox"/> An original is being mailed     | <input type="checkbox"/> An original is available on request |

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Well # 2

STATE OF OREGON  
WATER SUPPLY WELL REPORT  
(as required by ORS 337.765)

WELL I.D. # L 42679  
START CARD # 129575

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 42  
Name Bill Stevenson Van Duyn Land Company  
Address 33401 Van Duyn  
City Eugene State OR Zip 97403

(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 190 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE SEAL

Diameter	From	To	Material	From	To	Sacks or pounds
10"	0	80	concrete	0	80	20 sacks
6"	80	190				

How was seal placed: Method  A  B  C  D  E  
 Other \_\_\_\_\_  
Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing 6"	+2	90	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner 4 1/2"	2	190	bvc	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 98 ft.

(7) PERFORATIONS/SCREENS:

Perforations Method SAW  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

From	To	Slot Size	Number	Diameter	Thk/pipe size	Casing	Liner
110	190	1/8	600	2"	1 1/2"	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Pump	Flowing
Yield gal/min	Artesian
15	165
	190
	1 hr.

Temperature of water 55 Depth Artesian Flow Pound \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
County 1-1117 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 10N N or S Range: 3W E or W. WM.  
Section 27 SE 1/4 SW 1/4  
Tax Lot 200 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) ACROSS from above

(10) STATIC WATER LEVEL:  
25 ft. below land surface. Date 8-14-00  
Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:  
Depth at which water was first found 120 ft.

From	To	Estimated Flow Rate	SWL
120	127	15	25

(12) WELL LOG:  
Ground Elevation \_\_\_\_\_

Material	From	To	SWL
bedrock	0	2	
brown clay	2	38	
gray clay	38	71	
gray calc. med.	71	190	25

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NOV 22 2002  
WATER RESOURCES DEPT.  
SALEM, OREGON

Date started 8-13-00 Completed 8-14-00

(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 1722  
Signed \_\_\_\_\_ Date 8-14-00

(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 1541  
Signed \_\_\_\_\_ Date 8-14-00

Well #4

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

WATER RESOURCES DEPT.  
SALEM, OREGON

WELL I.D. # L 44360  
START CARD # 136134

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER Well Number 4  
Name Bill Stevenson-VanDyyn Land Company  
Address 33401 Van Dyyn  
City Eugene State OR Zip 97408-9212

(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 137 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
10	0	43	cement	0	43	13 sacks
6	43	137				

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 \_\_\_\_\_

Casing/Liner	Diameter	From	To	Gauge	Steel			
					Plastic	Welded	Threaded	
Casing:	6"	+2	43	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:	4 1/2"	+1	137	PVC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used  Inside  Outside  None  
Final location of shoe(s) \_\_\_\_\_

(7) PERFORATIONS/SCREENS:  
 Perforations Method Saw  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

From	To	Slot size	Number	Diameter	Telo/pipe size	Casing	Liner
77	137	1/8-2	600	4 1/2"	pvc	<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Yield gal/min	Drawdown	Drill stem at	Flowing Time
10 gal	56	137	1 hr.

Temperature of water 56 Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
Depth of sum: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
County Lane Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 16S N or S Range 3W E or W. W.M.  
Section 27 SE 1/4 SW 1/4  
Tax Lot 200 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) ACROSS FROM 33401 VanDyyn, Eugene

(10) STATIC WATER LEVEL:  
79 ft. below land surface. Date 10/10/00  
Artesian pressure \_\_\_\_\_ lb. per square inch Date \_\_\_\_\_

(11) WATER BEARING ZONES:  
Depth at which water was first found 90

From	To	Estimated Flow Rate	SWL
90	95	10 gpm	79

(12) WELL LOG:  
Ground Elevation \_\_\_\_\_

Material	From	To	SWL
Topsoil	0	2	
Tan clay	2	10	
Dark Brown Clay	10	12	
Tan Blue Gray Congl.	12	30	
Seven Hardstone (soft)	30	36	
Gray Claystone (soft)	38	120	72
Red claystone (soft)	120	134	
Gray claystone (soft)	134	145	
Gray Blue Green Congl. (soft)	145	170	
Gray claystone (soft)	170	240	

Date started 10/10/00 Completed 10/10/00

(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.

Signed Alan McEachern WWC Number 1641 Date 10/10/00

(bonded) Water Well Constructor Certification:

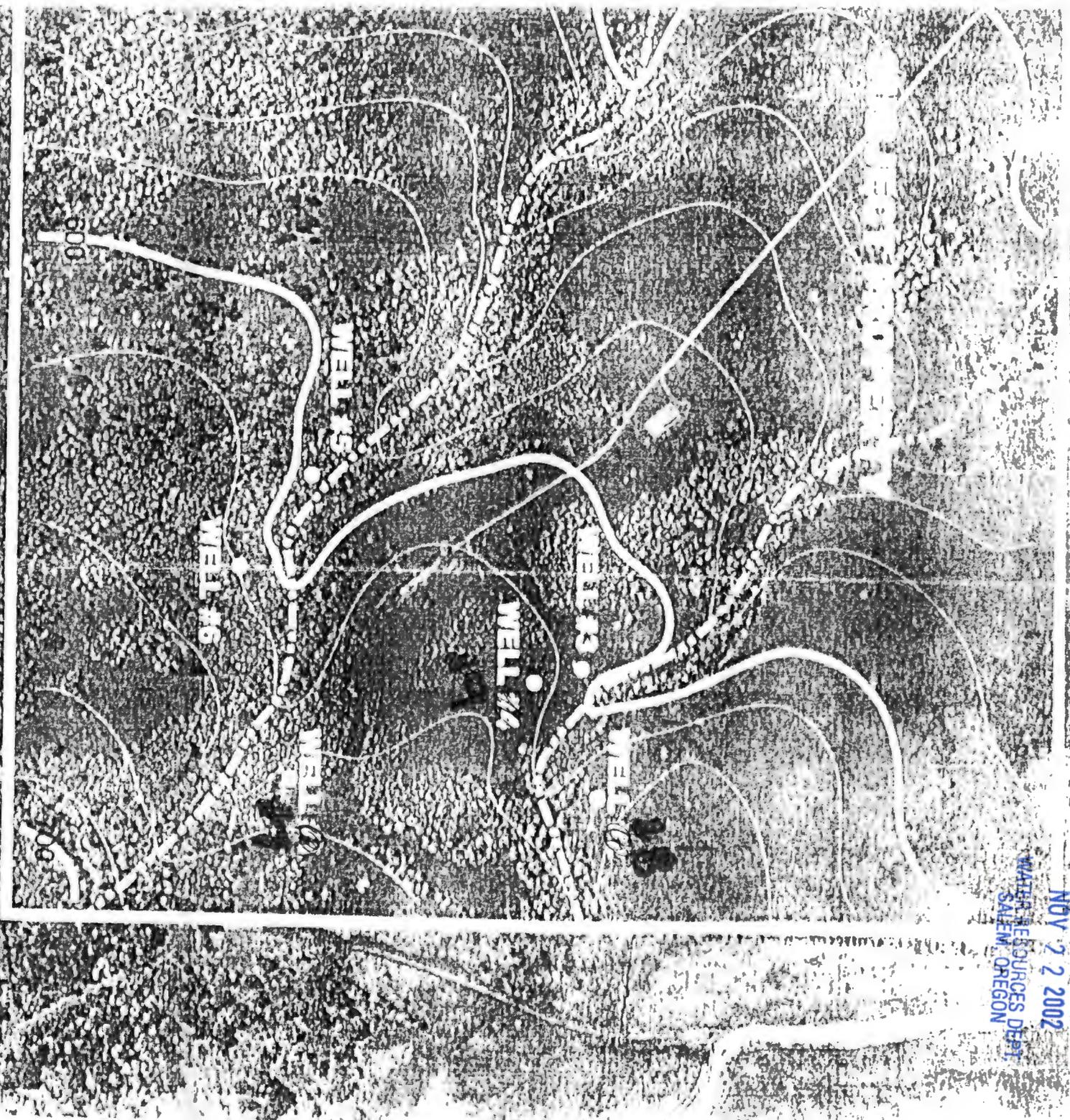
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

Signed \_\_\_\_\_ WWC Number 1541 Date 10/10/00

RECEIVED

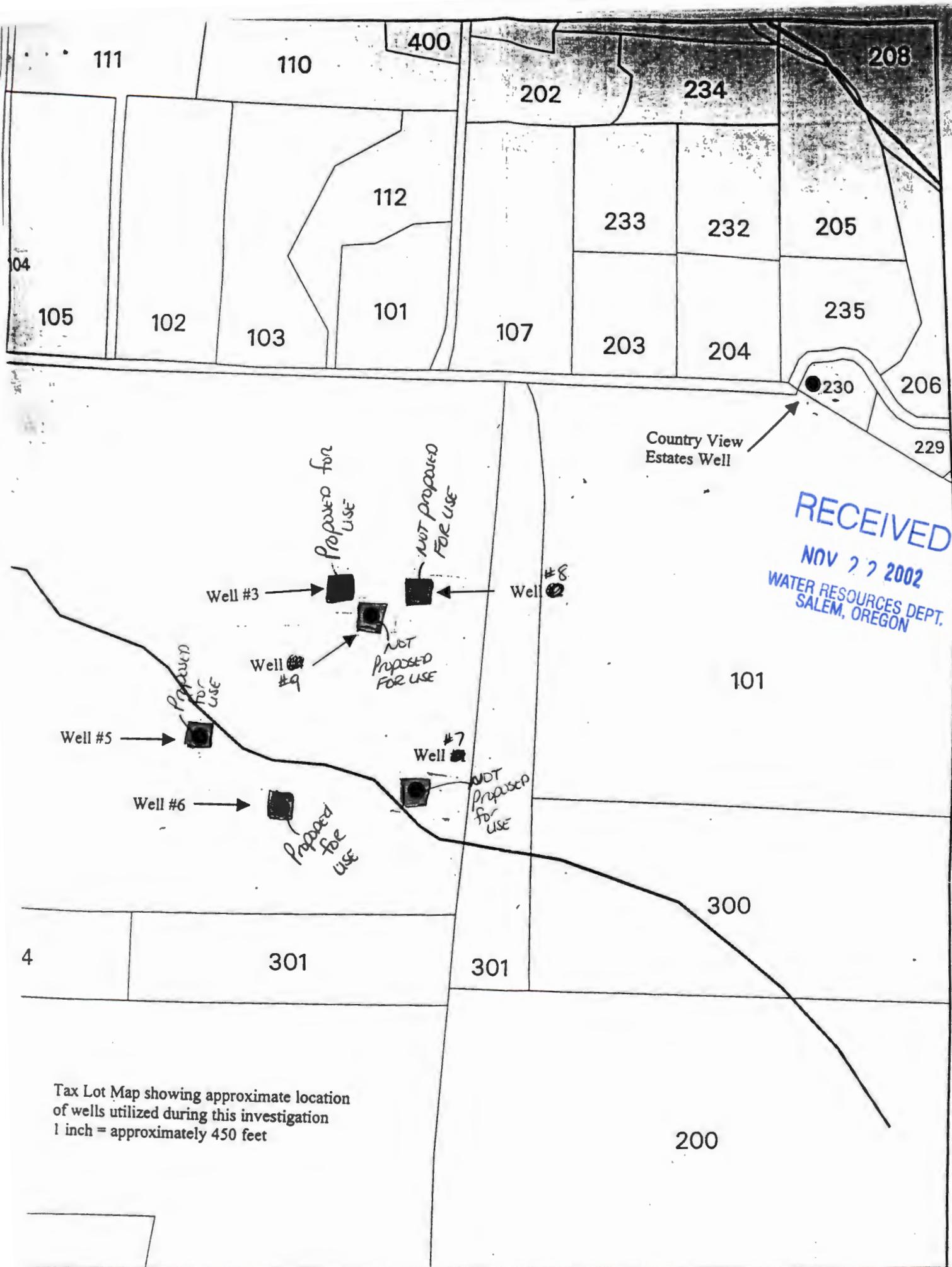
NOV 22 2002

WATER RESOURCES DEPT.  
SALEM, OREGON



**EGR Associates, Inc.**  
Engineering and Construction  
3000 NE Oregon Street  
Portland, Oregon 97232  
Phone: 503.253.8800  
Fax: 503.253.8801  
E-mail: info@egr.com

Engineers and Surveyors  
LAND SURVEYING COMPANY  
Coburg, Oregon



Tax Lot Map showing approximate location of wells utilized during this investigation  
 1 inch = approximately 450 feet

**LAW OFFICE OF BILL KLOOS, PC**

OREGON LAND USE LAW

576 OLIVE STREET, SUITE 300  
 EUGENE, OR 97401  
 PO BOX 11906  
 EUGENE, OR 97440  
 TEL (541) 343-0323  
 FAX (541) 343-8702  
 E-MAIL KIMODEA@CONTINET.COM

**FAX TRANSMITTAL SHEET**

I am transmitting - 6 - page(s), including this cover sheet.

From: Kim O'Dea

Date: November 21, 2002

Re: Kloos/Van Duyn G-15800

To: Mark Norton ☎ 3 378 2496

Attached are excerpts from two maps that show the location of the existing three wells proposed for use (wells #3, #5 and #6) and the existing three wells not proposed for use (wells #1, #2 and #4). Wells #1 and #4 have collapsed. Also attached are the well logs for wells #1, #2 and #4. Below is a table that clarifies the relationship between the application well numbers and the well log numbers.

Application Well Number	Well Log Well # Number	Well Log ID # Number <sup>1</sup>
#1 (Existing)	#3	#42680
#2 (Existing)	#5	? Cannot Read
#3 (Existing)	#6	#44892
#4 (Proposed)	N/A	N/A
#5 (Proposed)	N/A	N/A
#6 (Proposed)	N/A	N/A
(#7 - Not to be used)	#1	#42672
(#8 - Not to be used)	#2	#42679
(#9 - Not to be used)	#4	#44369

<sup>1</sup>Located in the top, right-hand corner of the Well Log, "WELL I.D. # L."

- |                                     |                             |                          |                                     |
|-------------------------------------|-----------------------------|--------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | Fax transmittal only        | <input type="checkbox"/> | An original is being delivered      |
| <input type="checkbox"/>            | An original is being mailed | <input type="checkbox"/> | An original is available on request |

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Well #1

STATE OF OREGON WATER SUPPLY WELL REPORT

WELL I.D. # L 42672 START CARD # 129562

Instructions for completing this report are on the last page of this form.

(1) OWNER: Bill Stevenson Van Dryn Company, 33401 Van Dryn, Eugene, OR, Zip: 97408

(9) LOCATION OF WELL by legal description: County Lane, Latitude, Longitude, Township 16N, Range 3W, Section 27, Block, Subdivision, Street Address of Well: across from above...

(2) TYPE OF WORK: [X] New Well [ ] Deepening [ ] Alteration [ ] Abandonment

(3) DRILL METHOD: [X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Other

(4) PROPOSED USE: [ ] Domestic [ ] Community [ ] Industrial [ ] Irrigation [ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(10) STATIC WATER LEVEL: 121 ft. below land surface. Date 8-10-02. Artesian pressure lb. per square inch. Date

(5) BORE HOLE CONSTRUCTION: Special Construction approval [ ] Yes [X] No. Depth of Completed Well 145 ft. Explosives used [ ] Yes [X] No

(11) WATER BEARING ZONES: Depth at which water was first found 45 ft.

Table with columns: HOLE, SEAL, Diameter, From, To, Material, From, To, Rocks or pounds. Row 1: 10", 0, 30, cement, 0, 30, 18 lbs. Row 2: 6", 30, 145

Table with columns: From, To, Estimated Flow Rate, SWL. Row 1: 45, 50, 1, 21

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E [ ] Other. Backfill placed from ft. to ft. Material. Gravel placed from ft. to ft. Size of gravel.

(12) WELL LOG: Ground Elevation

Table with columns: Diameter, From, To, Gauge, Steel, Flank, Welded, Threaded. Casing: 6", +1, 37, 150, [X], [ ], [ ]. Liner: [ ], [ ], [ ], [ ]

Table with columns: Material, From, To, SWL. Row 1: brown clay, 0, 2. Row 2: gray/brown conglom. med., 2, 8. Row 3: gray sandstone med., 8, 72, 21. Row 4: gray/green conglom. soft, 72, 113, 145

(7) PERFORATIONS/SCREENS: Table with columns: From, To, Slot size, Number, Diameter, Hole type, Casing, Liner

(8) WELL TESTS: Minimum test log time is 1 hour. [ ] Pump [ ] Bailor [X] Air [ ] Flowing Artesian. Yield gpm/hr: 1, Drawdown: 124, Drill stem at: 145, Time: 1 hr.

Date started 8-9-02, Completed 8-10-02

(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. Signed: [Signature], WWC Number 1722, Date 8-10-02

Temperature of water 56, Depth Artesian Flow Found. Was a water analysis done? [ ] Yes [ ] No. Did any strata contain water not suitable for intended use? [ ] Yes [ ] No. [X] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other. Depth of strata:

(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. Signed: [Signature], WWC Number 1541, Date 8-10-02

Well # 2

STATE OF OREGON WATER SUPPLY WELL REPORT

WELL I.D. # 42679 START CARD # 129575

Instructions for completing this report are on the last page of this form.

(1) OWNER: Name Bill Stevenson Van Duzen Care Company Address 33401 Van Duzen Dr Eugene State OR Zip 97403

(2) TYPE OF WORK: [ ] New Well [ ] Deepening [ ] Alteration (repair/condition) [ ] Abandonment

(3) DRILL METHOD: [X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Other

(4) PROPOSED USE: [X] Domestic [ ] Community [ ] Industrial [ ] Irrigation [ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION: Special Construction approval [ ] Yes [X] No Depth of Completed Well 190 ft. Explosives used [ ] Yes [X] No Type Amount

Table with columns: Diameter, From, To, Material, Seal, Sacks or pounds. Includes data for 10" and 6" diameters.

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E Backfill placed from ft. to ft. Material Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER: Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Includes data for 6" casing and 4 1/2" liner.

Final location of shoe(s) 98 ft.

(7) PERFORATIONS/SCREENS: Table with columns: From, To, Size, Number, Diameter, Material, Casing, Liner. Includes data for 110-190 ft interval.

(8) WELL TESTS: Minimum testing time is 1 hour

Table for well tests with columns: Yield gallons, Drawdown, Drill stem at, Plowing Time. Includes data for 15 yield and 165 drawdown.

Temperature of water 55 Depth Artesian Flow Found Was a water analysis done? [ ] Yes By whom Did any strata contain water not suitable for intended use? [ ] Too little [ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other

(9) LOCATION OF WELL by legal description: County 1717 Latitude Longitude Township 18E N or S Range 34 E or W. WM. Section 27 SE 1/4 SW 1/4 Tax Lot 100 Lot Block Subdivision Street Address of Well (or nearest address) Across from phone

(10) STATIC WATER LEVEL: 25 ft. below land surface. Date 8-14-00 Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES: Depth at which water was first found 170 ft.

Table with columns: From, To, Estimated Flow Rate, SWL. Includes data for 170-127 ft interval.

(12) WELL LOG: Ground Elevation

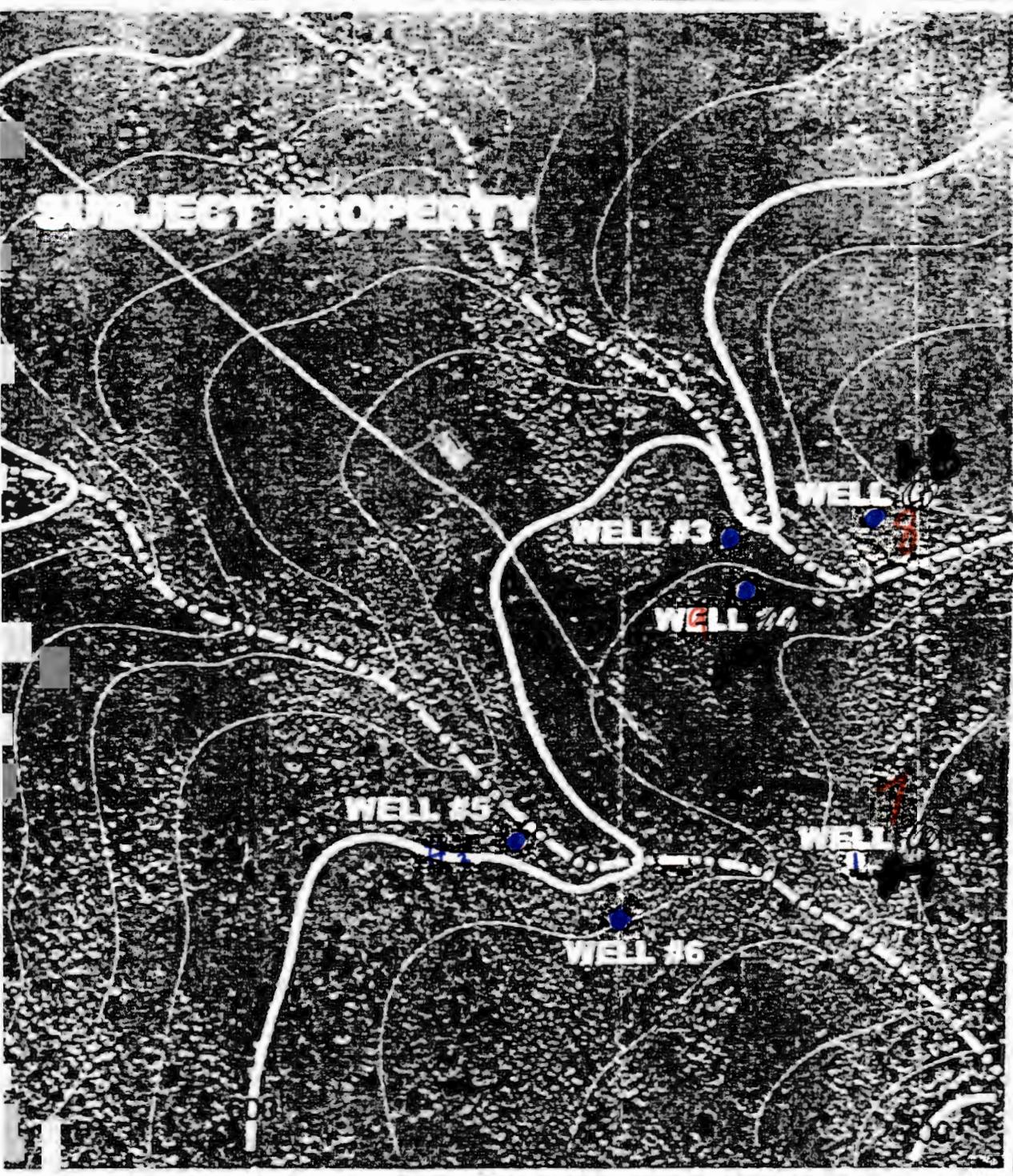
Table for well log with columns: Material, From, To, SWL. Includes data for borehole, brown clay, gray clay, heavy conglom. med.

Date started 8-13-00 Completed 8-14-00

(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. Signed [Signature] WWC Number 1722 Date 8-14-00

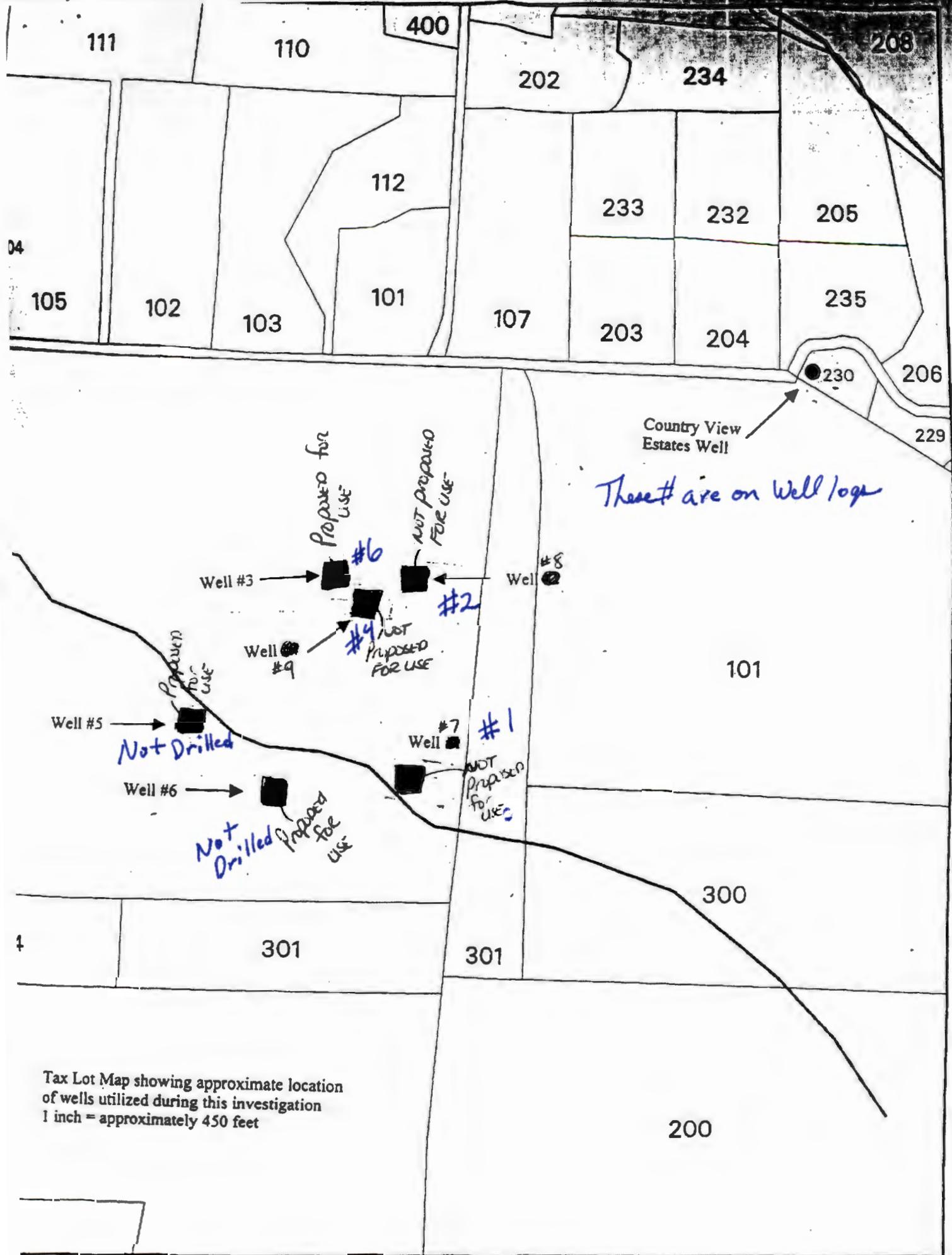
(bonded) Water Well Constructor Certification: I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief. Signed [Signature] WWC Number 1541 Date 8-14-00






**EGR & Associates, Inc.**  
 Engineers, Geologists and Surveyors  
 10110 NE Miller Road  
 Portland, Oregon 97220  
 Phone: 503-486-1000  
 FAX: 503-486-0387

Figure 3 - Well Locations  
 VanDuyn Land Company  
 Coburg, Oregon





16-03-34 tl 201,301

### 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. The Water Resources Department will use this and other information to evaluate the water use application. DO NOT fill out this form if water is to be diverted, conveyed, or used only on federal lands.

#### To Be Completed By Applicant

The following section includes information about property individual or group that is filing an application for a

**Mail all correspondence to:**

Bill Kloos

#### A. Applicant

Name: Van Duyn Land Co., LLC

Law Office of Bill Kloos, PC

PO Box 11906

Address: 33401 Van Duyn Road

Eugene, OR 97440

City: Eugene

State: OR

Zip: 97401

Day Phone: (541) 343-8596

#### 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)		
160334 TL 201	Rural Residential/RR-10	<input checked="" type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used
160334 TL 301	Forest/F-2	<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input type="checkbox"/> Used
		<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used

List counties and cities where water is proposed to be diverted, conveyed, or used. Lane County

#### C. Description of Water Use

Indicate what the water will be used for. Include the beneficial use (found in the instruction booklet for your water right application) and use the space below to describe the key characteristics of the project.

Beneficial Use(s): Community Water Supply - Group Domestic

Briefly describe: A community water system consisting of six well and a storage facility to serve a 27 lot subdivision. See Tentative Subdivision Approval PA 01-6119,

Special Use Permit PA 01-5370 and Site Review Approval PA 01-6120.

#### D. Source

Indicate the source for the proposed water use:

Reservoir/Pond     Ground Water     Surface Water \_\_\_\_\_ (source)

#### E. Quantity

Indicate the estimated quantity of water the use will require:

~~500~~ 448

CFS

GPM

Acre-Feet

#### Receipt for Request for Land Use Information

State of Oregon  
Water Resources Department  
Commerce Bldg.  
158 12th St. NE  
Salem, OR 97310-0210  
(503)378-8455

RECEIVED

JUL 17 2002

WATER RESOURCES DEPT.  
SALEM, OREGON

EXHIBIT G

**For Local Government Use Only**

The following section must be completed by a planning official from each county and city listed unless your 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): LC 16.231(2)(a) 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:	
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued

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

**B. Approval**

Please provide printed name and written signature.

Name: Kent Howe Date: 16 Jul 02  
 Title: Planning Director Phone: 541 582-3734  
 Signature: Kent Howe

**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.

To meet Rural Comprehensive Plan requirements application has been filed for placement of community water system in Impacted Forest Zone.

**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 will presume the land use associated with the proposed water right is compatible with local comprehensive plans. (See attached letter.)

**RECEIVED**  
**JUL 17 2002**  
 WATER RESOURCES DEPT.  
 SALEM, OREGON

**Receipt for Request for Land Use Information**

Name of water right 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 in the application for a water right permit if the local government cannot provide the requested land use information while the applicant waits.

City or County: \_\_\_\_\_

Staff contact: \_\_\_\_\_ Phone: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



WELL #2

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. # 1. 09877

START CARD # 120054

(1) LAND OWNER Name: Van Duyen Lark company Well Number: 5 Address: 3401 Van Duyen City: Eugene State: OR Zip: 97403

(2) TYPE OF WORK [X] New Well [ ] Deepening [ ] Alteration [ ] Branchment

(3) DRILL METHOD: [X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Other

(4) PROPOSED USE: [X] Domestic [ ] Community [ ] Industrial [ ] Irrigation [ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION: Special Construction approval [ ] Yes [X] No Depth of Completed Well: 187 ft. Explosives used [ ] Yes [X] No Type: Amount:

Table with columns: Diameter, From, To, Material, From, To, Sacks or pounds. Row 1: 10", 0, 30, cement, 0, 30, 15. Row 2: 6", 38, 187.

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: Casing: 6" 43 127 2.0 [X] Steel [ ] Plastic [ ] Welded [ ] Threaded [ ] Liner: 4 1/2" 2 187 pvc [ ] Steel [ ] Plastic [ ] Welded [ ] Threaded [ ]

Drive Shoe used [ ] Inside [X] Outside [ ] None Final location of shoe(s): 127

(7) PERFORATIONS/SCREENS: Table with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner. Row 1: 107, 187, 1/8-2, 600, 4 1/2", 1 1/2", [ ], [ ]

(8) WELL TESTS: Minimum testing time is 1 hour [ ] Pump [ ] Bailer [X] Air [ ] Artesian Yield/gal/min: 60 Drawdown: 25 Drill stem at: 187 Time: 1 hr.

Temperature of water: 56 Depth Artesian Flow Found: Was a water analysis done? [ ] Yes By whom: Did any strata contain water not suitable for intended use? [ ] Too little [ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other: Depth of strata:

(9) LOCATION OF WELL, by legal description: County: Latitude: Longitude: Township: N or S Range: E or W WM: Section: 1/4 1/4 Tax Lot: Block: Subdivision: Street Address of Well (or nearest address):

(10) STATIC WATER LEVEL: ft. below land surface. Date: Artesian pressure: lb. per square inch Date:

(11) WATER BEARING ZONES: Table with columns: From, To, Estimated Flow Rate, SWL. Row 1: 170, 170, 94

(12) WELL LOG: Table with columns: Material, From, To, SWL. Includes 'RECEIVED JUL 17 2002 WATER RESOURCES DEPT. SALEM, OREGON' stamp.

Date started: Completed: (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: 7641 Signed: Date: 10-20-00

(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: 7641 Signed: Date: 10-20-00

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

WELL I.D. # L 44892  
START CARD # 136287

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER VanDyke Land Company Well Number 6  
Name VanDyke Land Company  
Address 33401 VanDyke  
City Dupont State OR Zip 97408

(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 59 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

MOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
10	0	38	cement	0	30	24 sacks
6	30	59				

How was seal placed: Method  A  B  C  D  E  
 Other

Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
Gravel placed from 30 ft. to 38 ft. Size of gravel 3/8

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6"	+1	59	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used  Inside  Outside  None  
Final location of shoe(s) 59'

(7) PERFORATIONS/SCREENS:

Perforations Method Roll Perforator  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
41	55	1/4-1	300	6	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Yield gal/min	Drawdown	Drill stem at	Flowing Artesian Time
75 gpm	43	59	1 hr.

Temperature of water 56 Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
County Lane Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 16S N or S Range 3W E or W W.M.  
Section 27 SW 1/4 SW 1/4  
Tax Lot 200 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) Across from 33401 VanDyke, Dupont, OR 97408

(10) STATIC WATER LEVEL:  
15 ft. below land surface. Date 11/21/00  
Artesian pressure \_\_\_\_\_ lb. per square inch Date \_\_\_\_\_

(11) WATER BEARING ZONES:

Depth at which water was first found 41

From	To	Estimated Flow Rate	SWL
41	50	75gpm	16

(12) WELL LOG:

Ground Elevation \_\_\_\_\_

Material	From	To	SWL
Topsoil	0	1	
Brown clay and rock	1	27	
Brown broken up sandstone (hard)	27	59	16

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SALEM, OREGON

Date started 11/21/00 Completed 11/22/00

(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.  
Signed Alan McCaskey WWC Number 1641 Date 11/22/00

(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.  
Signed \_\_\_\_\_ WWC Number 1541 Date 11/22/00

**LAW OFFICE OF BILL KLOOS, PC**

OREGON LAND USE LAW

576 OLIVE STREET, SUITE 300  
EUGENE, OR 97401  
PO BOX 11906  
EUGENE, OR 97440  
TEL (541) 343-0323  
FAX (541) 343-8702  
E-MAIL KIMODEA@CONTINET.COM

July 16, 2002

Water Resources Department  
Attn: Michael J. Mattick  
158 12<sup>th</sup> Street NE  
Salem, OR 97310

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SALEM, OREGON

Re: Water Rights Application for Van Duyn Subdivision

Dear Mr. Mattick:

Attached is Van Duyn Land Co.'s application for water rights to serve the community water system of the Van Duyn Subdivision located near Coburg, Oregon. Included in the application are:

Attachment A: Water Rights Map (four copies)  
Attachment B: Letter in Support  
Attachment C: Community Water System Map  
Attachment D: Well Logs for Wells #1, #2 and #3  
Attachment E: Legal Description  
Attachment F: Location Map  
Attachment G: Land Use Information Form  
Attachment H: Community Water System Approval (with reference to County sign-off)  
Attachment I: Special Use Permit approval to site water storage facilities on tax lot 301.

A check for \$400.00 is also enclosed. Information below supplements the attached application.

Section 3(C), (D), and (E) - Ground Water Development. Six wells are proposed for use - three wells (wells #1, #2 and #3) are existing and three wells (wells #4, #5 and #6) are proposed for the future. While the exact location of wells #4, #5 and #6 are not known at this time, their approximate locations are shown on the attached Water Rights Map. See Attachment C. Based on their approximate locations, wells #4, #5 and #6 are between 4,000 and 5,000 feet from the nearest stream, and have an approximate 200 foot elevation difference between the wellheads and nearest surface water.

Wells #4, #5 and #6 are expected to be drilled and installed in the same manner, with the same materials and at similar depths and sizes as wells #1, #2 and #3. Please see well logs for wells #1, #2 and #3 for an approximation of information regarding proposed wells #4, #5 and #6. Well logs for wells #4, #5 and #6 will be provided to the Water Resources Department when drilled.

(Also note: As part of the original zone change and plan change for the subject property, well

Letter to M. Mattick

July 16, 2002

Page 2 of 2

tests were administered for six potential well sites - wells #1, #2, #3, #4, #5 and #6. Only three of those original six were chosen for use - wells #3, #5 and #6. These well numbers correspond to the submitted well logs' "Well Number" space (see highlighted area). However, as part of this water rights application, those wells have been renumbered. Well #3 is now well #1; well #5 is now well #2; and well #6 is now well #3. Three additional wells are proposed - wells #4, #5 and #6. They have not been drilled and are not related in any way to the wells tested in the original wells tests. For sake of clarity, I have identified the well logs with the well number that corresponds to the submitted water rights application. See top of each well log. However, I have left the original well number in the "well number" category on the form.)

Land Use Information Form. As part of the Land Use Information Form (Exhibit G), Mr. Howe comments on the need for a land use application to site the water storage facilities on State owned tax lot 301. Van Duyn Land Co. submitted a land use application to Lane County to allow the placement of water storage tanks on Impacted Forest Land owned by the State of Oregon (tax lot 301) on March 21, 2002 (PA02-5370). The County tentatively approved the land use application on June 28, 2002. The approval became final on July 15, 2002. Therefore, Mr. Howe's comment has been satisfied.

Sincerely,



Kim O'Dea

cc (letter only):

client

Scott Goebel

Dan Kersey

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SALEM, OREGON

. Van Duyn - Letter to Boundary Commission  
Re: Community Water System  
May 7, 2002  
Page 13 of 15

Finding: This request does not pose a jurisdictional question. Therefore, this criterion is not applicable to this request.

7. ***Consider alternative solutions where intergovernmental options are identified and make decisions on the most effective long-range option among identified alternatives.***

Finding: The only identified alternative to the proposed community Water System is the development of individual or shared wells. This option is precluded by the terms of the county land use approvals relating to this subdivision. The county has explicitly required that service be via a community water system, due to the limited nature of the aquifer in the area. See Exhibit B. A community water system is the only approach that effectively allows regulation of all water use in the subdivision. This provides the potential to protect the aquifer, to protect the adjacent and surrounding uses, and to ensure that each dwelling in the project will have equitable access to water for domestic water use.

8. ***Make boundary decisions which are consistent with acknowledged local comprehensive plans.***

Finding: Findings of compliance with the county comprehensive plan and implementing regulations are replete in the county plan and zone change approval and the tentative subdivision approval. The county has also issued a land use compatibility statement for this proposed system, which recites the key findings of compliance from the county approvals. See Exhibit J.

9. ***Consider timing, phasing, and the availability of services.***

Finding: There are no other practical alternative means of water service currently available to serve the proposed subdivision. The proposed community Water System has been deemed the most appropriate means of supplying water service to the subdivision for the reasons previously indicated above.

10. ***Consider the economic, population, and social trends and projections pertinent to the proposal, including land use trends.***

Finding: The establishment of a community water supply system is recognized by the RCP as an appropriate means of providing an orderly and efficient level of service for rural residential land uses. This proposal is specific to the subject property and the 27 residential lot subdivision. As a result, there are no significant economic, population or social trends that are extraordinary or pertinent to this request. The developer will install the initial capital improvements, as shown on Exhibit A.

11. ***Consider past and prospective physical development of land that would be affected directly or indirectly by the boundary change.***

EXHIBIT B

BEFORE THE BOARD OF COMMISSIONERS OF LANE COUNTY, OREGON

ORDINANCE NO. PA 1161 ) IN THE MATTER OF AMENDING THE RURAL COMPREHENSIVE ) PLAN TO REDESIGNATE LAND FROM "AGRICULTURAL LAND" ) TO "NONRESOURCE." REZONE THAT LAND FROM "E-40/EXCLUSIVE FARM USE" TO "RR-10/SR (RURAL RESIDENTIAL WITH SITE REVIEW)," AND ADOPTING SAVINGS AND SEVERABILITY CLAUSES (FILE PA 00-5508; VAN DUYN)

WHEREAS, the Board of County Commissioners of Lane County, through enactment of Ordinance PA 884, has adopted Land Use Designations and Zoning for lands within the planning jurisdiction of the Lane County Rural Comprehensive Plan; and

WHEREAS, Lane Code 16.400 sets forth procedures for amendment of the Rural Comprehensive Plan, and Lane Code 16.252 sets forth procedures for rezoning lands within the jurisdiction of the Rural Comprehensive Plan; and

WHEREAS, in March 2000, application no. PA 00-5508 was made for a minor amendment to redesignate a portion of tax lot 200, Map 16-3-34, from "Agriculture" to "Nonresource," with a concurrent request to rezone the property from "E-40/Exclusive Farm Use" to "RR10/Rural Residential;" and

WHEREAS, the Lane County Planning Commission reviewed the proposal in public hearings on October 3, 2000, and January 9, 2001, and recommended approval of the proposed amendment and rezoning as requested; and

WHEREAS, the evidence in the record indicates that the proposal meets the requirements of Lane Code Chapter 16, and other requirements of state and local law;

WHEREAS, the Board of County Commissioners has conducted the required public hearing and is now ready to take action;

NOW, THEREFORE, the Board of County Commissioners of Lane County Ordains:

Section 1. The Lane County Rural Comprehensive Plan is amended by the redesignation of a portion of tax lot 200, Map 16-03-34, from "Agriculture" to "Nonresource," more particularly described as that property conveyed in Instrument No. 2000017759, Lane County Official Records, such area being depicted on Plan Plot 395 and further identified as Exhibit "A" attached and incorporated herein.

Section 2. A portion of tax lot 200, Map 16-03-34, is rezoned from "E-40/Exclusive Farm Use (Lane Code 16.212)," to "RR-10/SR (Rural Residential with Site Review)" (Lane Code 16.231), more particularly described as that property conveyed in Instrument No. 2000017759, Lane County Official Records, such area being depicted on Rural Zoning Plot 395 and further identified as Exhibit "B" attached and incorporated herein. Any subdivision of the portion of tax lot 200 rezoned to RR-10 shall be subject to the Site Review procedures of Lane Code 16.257 to ensure compliance with the conditions of approval, as stated in the ESEE analysis, to ensure that natural resources on the subject property will be preserved and enhanced in connection with potential rural residential development, as well as the condition that any community water system to serve any future subdivision of the property shall be coordinated with the Coburg Rural Fire Department to facilitate use of the system by the department for local fire protection. All of these conditions are stated in Exhibit "C" attached and incorporated herein. Compliance with the

IN THE MATTER OF AMENDING THE RURAL COMPREHENSIVE PLAN TO REDESIGNATE LAND FROM "AGRICULTURAL LAND" TO "NONRESOURCE" AND REZONE THAT LAND FROM "E-40/EXCLUSIVE FARM USE" TO "RR-10/SR (RURAL RESIDENTIAL WITH SITE REVIEW)," AND ADOPTING SAVINGS AND SEVERABILITY CLAUSES (FILE PA 00-5508; VAN DUYN)

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WATER RESOURCES DEPT. SALEM, OREGON

EXHIBIT B

**Legal Description  
for  
Van Duyn Land Company, LLC**

Beginning at a point bearing 1051.00 WEST and 30.00 feet SOUTH from the northeast corner of the I. S. Swearinger Donation Land Claim No. 37 located in Township 16 South, Range 3 West of the Willamette Meridian; said point being on the south margin of Van Duyn Road (County Road No. 254); thence leaving said south margin of Van Duyn Road bearing SOUTH 3076.29 feet to a point on the south line of tract 4 as described in a deed recorded August 2, 1939 in Book 198, Page 572 of the Lane County Oregon Deed Records; thence along the south line of tracts 4 and 5 of said deed recorded August 2, 1939 in Book 198, Page 572 EAST 3952.65 feet to a point on the west boundary of Parcel 2 of Land Partition Plat No. 91-P0099, Lane County Partition Plat Record, in Lane County, Oregon, said point bearing NORTH 382.80 feet from the southeast corner of Section 34 located in Township 16 South, Range 3 West of the Willamette Meridian; thence along said west boundary of Parcel 2 North 02°15" East 3063.47 feet to a point on the south margin of aforementioned Van Duyn Road; said point being 30.0 feet from, when measured at right angle to, the centerline of Van Duyn road; thence along the south margin of Van Duyn Road the following three (3) courses and distances; WEST 2861.18 feet; NORTH 15.18 feet; and WEST 1211.74 feet to the point of beginning, all in Lane County, Oregon.

Containing 282 acres, more or less

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SALEM, OREGON

EXHIBIT E

LANE COUNTY

1"=400'

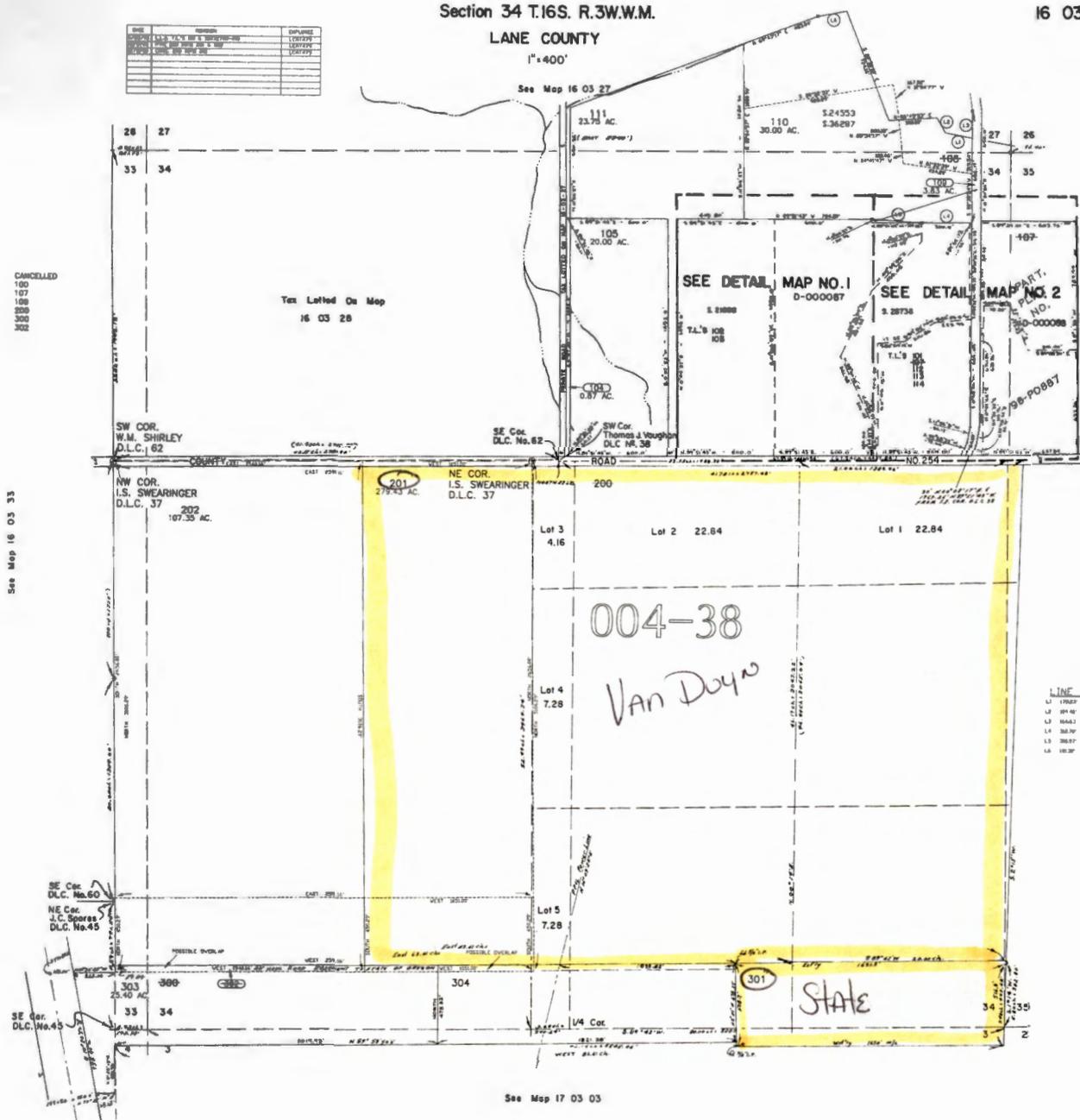
DATE	REVISION	DESCRIPTION

See Map 16 03 27

CANCELLED  
100  
107  
108  
206  
300  
302

See Map 16 03 33

See Map 16 03 35



See Map 17 03 03

LINE TABLE

LINE NO.	DESCRIPTION
L1	1/4 SECTION 34
L2	1/4 SECTION 34
L3	1/4 SECTION 34
L4	1/4 SECTION 34
L5	1/4 SECTION 34
L6	1/4 SECTION 34

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SALEM, OREGON

EXHIBIT F

LANE COUNTY LOCAL GOVERNMENT BOUNDARY COMMISSION

FINAL ORDER 1198

( File X W 02 - 13  
( In the Matter of Establishing  
( The Van Duyn Land Comany  
( Water System

Approved: June 6, 2002  
Effective: June 6, 2002

- Legal Description Attached as Exhibit A -

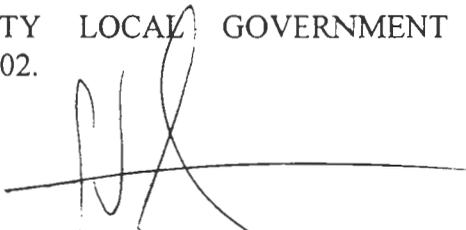
WHEREAS, the property owner submitted a request on May 7, 2002, for establishing a Van Duyn Land Company water system to serve the area described in attached Exhibit A and as shown on attached map Exhibit B, in accordance with ORS 199.464; and,

WHEREAS, the commission duly published notice of public hearing in accordance with ORS 199.463 and in accordance with the rules of the commission and ORS 199.452(1), conducted a public hearing on June 6, 2002; and,

WHEREAS, on the basis of the study of the proposal, which considered economic, demographic, and sociological trends and physical development of the land, and of the public hearing, the commission made the findings and reasons attached as Exhibit C.

NOW THEREFORE, based on the findings, a majority of the members of the commission at the public hearing approved the water system establishment.

ORDERED BY THE LANE COUNTY LOCAL GOVERNMENT BOUNDARY COMMISSION THIS 6<sup>th</sup> DAY OF JUNE, 2002.

  
\_\_\_\_\_  
Van Heeter, Vice Chair  
  
\_\_\_\_\_  
Date

pt: \\CLSRV125\LGS BC\FOL\PH\2002\XW0213 FO.DOC  
Last Saved: June 6, 2002

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SALEM, OREGON

EXHIBIT H

EXHIBIT A

Beginning at a point bearing 1051.00 WEST and 30.00 feet SOUTH from the northeast corner of the I. S. Swearinger Donation Land Claim No. 37 located in Township 16 South, Range 3 West of the Willamette Meridian; said point being on the south margin of Van Duyn Road (County Road No. 254); thence leaving said south margin of Van Duyn Road bearing SOUTH 3076.29 feet to a point on the south line of tract 4 as described in a deed recorded August 2, 1939 in Book 198, Page 572 of the Lane County Oregon Deed Records; thence along the south line of tracts 4 and 5 of said deed recorded August 2, 1939 in Book 198, Page 572 EAST 3952.65 feet to a point on the west boundary of Parcel 2 of Land Partition Plat No. 91-P0099, Lane County Partition Plat Record, in Lane County, Oregon, said point bearing NORTH 382.80 feet from the southeast corner of Section 34 located in Township 16 South, Range 3 West of the Willamette Meridian; thence along said west boundary of Parcel 2 North 02° 15" East 3063.47 feet to a point on the south margin of aforementioned Van Duyn Road; said point being 30.0 feet from, when measured at right angle to, the centerline of Van Duyn road; thence along the south margin of Van Duyn Road the following three (3) courses and distances; WEST 2861.18 feet; NORTH 15.18 feet; and WEST 1211.74 feet to the point of beginning, all in Lane County, Oregon.

Containing 282 acres, more or less

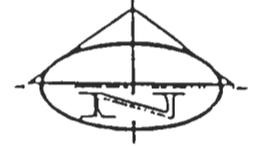
VAN DUYN LAND CO LLC  
 33401 VAN DUYN ROAD  
 EUGENE OREGON 97401

TENTATIVE SUBDIVISION PLAN

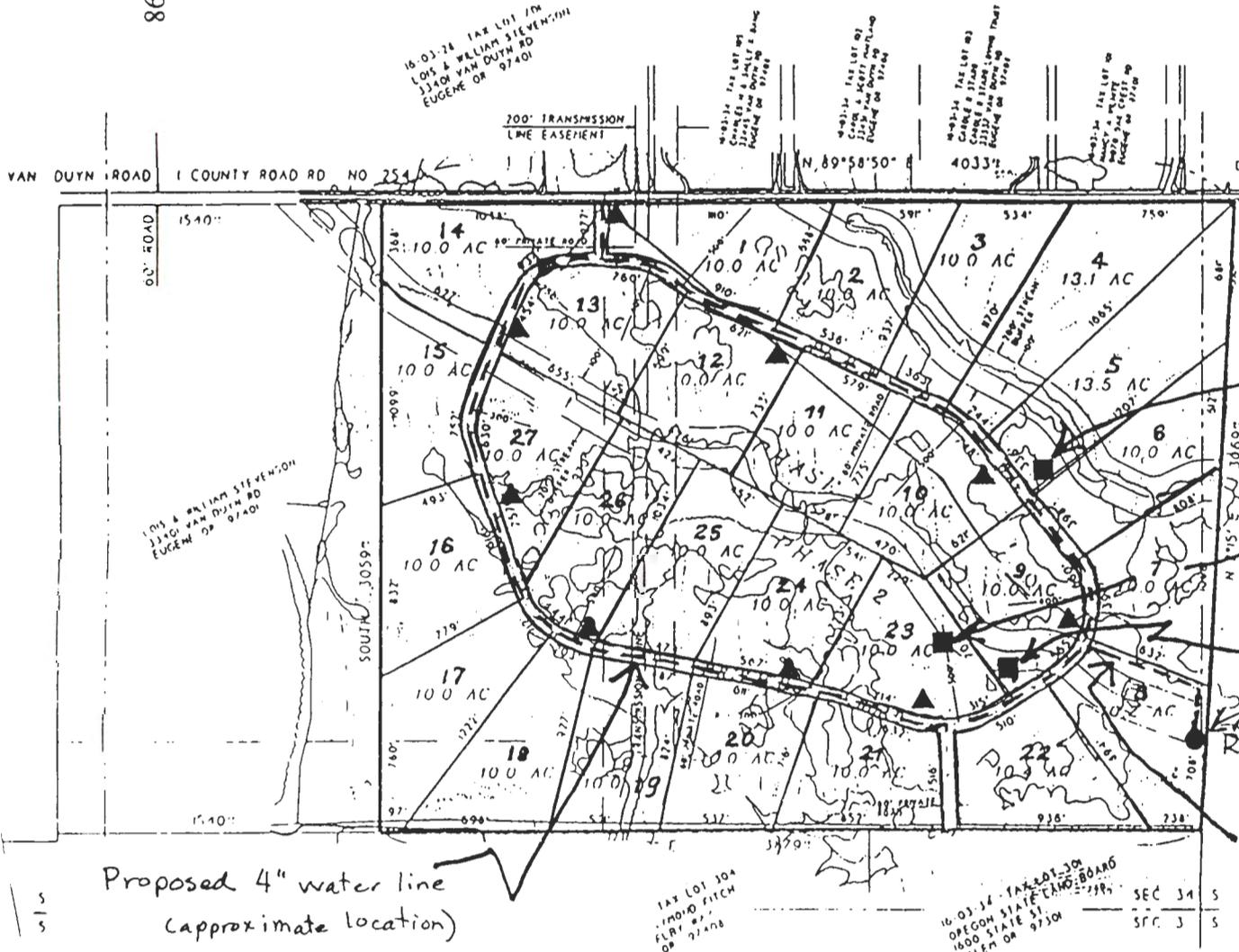
FOR

TURKEY RUN

LOCATED IN THE NE 1/4 & SE 1/4 OF SECTION 33,  
 THE NE 1/4, NW 1/4, SW 1/4 & SE 1/4 OF SECTION 34 AND  
 THE NE 1/4 & NW 1/4 OF SECTION 35,  
 TOWNSHIP 16 SOUTH, RANGE 3 WEST OF THE WILLAMETTE MERIDIAN  
 ASSessor'S MAP NO 16-03-34 TAX LOT NO. 201  
 LANE COUNTY, OREGON



Not to Scale



▲ Fire hydrants (9)  
 (approximate locations)

Well 3 (approximate location)

Well 5 (approximate location)

Well 6 (approximate location)

Reservoirs  
 (approximate location)

Proposed 4" water line  
 (approximate location)

Proposed 4" water line  
 (approximate location)

EXHIBIT B

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EXHIBIT C

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Findings:

1. This proposal was initiated with the boundary commission on May 7, 2002, by Bill Kloos of Law of Bill Kloos, PC, on behalf of the property owner, Van Duyn Land Company, LLC, in accordance with ORS 199.464, and was determined to be a valid filing in accordance with OAR 191-06.
2. The Van Duyn water system is proposed to serve a 27-lot subdivision involving one tax lot (T16S R03W S34 tax lot 201) owned by Van Duyn Land Company, LLC. No connections or extensions of the water system to serve other users are allowed and have not been granted approval by the boundary commission.
3. The proposed Van Duyn subdivision consists of approximately 278 acres. Currently the site is vacant. The area proposed for the subdivision is zoned RR-10 in Lane County.
4. As submitted, tentative plans for the proposed water system consist of a water source (three existing wells); chlorinating facility; one 50,000 gallon storage reservoir; three submersible pumps (minimum 20 gallons per minute (gpm) capability); approximately 1,800 lineal feet of 2-inch water line; approximately 1,200 lineal feet of 4-inch water line; about 9,100 lineal feet of 6-inch water line; about 945 lineal feet of 1-inch water line; 27 individual domestic water meters; and nine fire hydrants.

*Provide an impartial forum for resolution of local jurisdictional questions. Consider the effects of the boundary change on other units of government. ORS 199.410(1)(b) and 199.410(3)(c)*

5. The boundary commission held a public hearing on June 6, 2002. Notice of the public hearing was given in accordance with ORS 199 provisions. All interested parties were given a reasonable opportunity to be heard.
6. The proposed water system and subdivision are within the boundaries of the Coburg Rural Fire Protection District. The fire district raised no objections regarding the community water system.
7. This proposal is consistent with this standard.

*Consider the orderly determination and adjustment of local government boundaries to best meet the needs of Lane County and Oregon. Consider alternative solutions where intergovernmental options are identified and make decisions based on the most effective long-range option among identified alternatives. ORS 199.410(1), 199.410(2), and 199.410(3)(a) and (e)*

8. Evidence submitted concludes that there is adequate water source to serve the proposed Van Duyn subdivision. Well testing showed the wells can provide adequate water supply. Quality testing also showed that either the water is of high quality or can be treated for potential contaminants.
9. The Country View Estates water system is located to the north and east of the proposed Van Duyn water system. The Cloud Nine subdivision is located to the east of the proposed Van Duyn subdivision. These water systems were designed and constructed to serve only the residential development within the Country View Estates or Cloud Nine subdivisions. Boundary commission approval of the Country View Estates water system and the Cloud Nine water system did not provide for any service outside the platted subdivisions. Water service from these existing systems is not feasible and a community system to serve the proposed Van Duyn subdivision is a viable method of providing water service. No approval by the boundary commission to connect the systems has been given. In the future if it is determined to be feasible, a request to connect to the systems can be submitted to the boundary commission.
10. The proposal area is outside the acknowledged urban growth boundary of the Coburg Comprehensive Plan. Consistent with comprehensive plan policy, water from the Coburg drinking water system cannot be extended outside the urban growth boundary.
11. This request is consistent with this standard.

***Make boundary commission determinations which are consistent with acknowledged local comprehensive plans. Assure an adequate quality and quantity of public services required in the comprehensive plan to meet existing and future growth. For major boundary changes, there must be assurance that the proposed unit of government is financially viable. ORS 199.410(1)(d), 199.410(3)(b), and (d)***

12. The Lane County Rural Comprehensive Plan (acknowledged by LCDC in September 1984 and as subsequently amended) is the applicable comprehensive plan. The 27-lot Van Duyn subdivision has received tentative conditional approval from Lane County. The subdivision lies within a nonresource land area and is zoned RR-10. Lane County Land Management Division stated that the proposed water system is consistent with the Lane County Rural Comprehensive Plan.
13. The community water system is intended to serve the Van Duyn subdivision located within a RR-10 zone. Preliminary review of the water source indicates adequate capacity to serve this 27-lot subdivision. No service connections outside the subdivision were requested or approved.
14. Individual septic systems will provide service to the 27-lots in the Van Duyn subdivision. Prior to final subdivision approval from the county, evidence is needed by the county that site approvals for each lot has been given.
15. This request is consistent with this standard.

*Consider the comprehensive plan's economic, demographic, and sociological trends and projections and its environmental policies, pertinent to the proposal. ORS 199.410(3)(d) and 199.462(1)*

16. The proposed water system to serve the Van Duyn subdivision is consistent with the applicable comprehensive plan and projections.
17. This request is consistent with this standard.

Reasons:

1. The proposal allows for residential development within RR-10 lands in Lane County which is supported by the property owner.
2. The proposal is consistent with the LCDC acknowledged Lane County Rural Comprehensive Plan.
3. The proposal is consistent with past boundary commission actions supporting creation of community water systems to support rural residential development.

LCBC: \\CLSRV125\LGSL\BC\FOL\EXC\2002\XW0213 EXC.DOC  
Last Saved: July 8, 2002

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WATER RESOURCES DEPT  
SALEM, OREGON

FOUND BRASS CAP, SOUTHWEST CORNER DLG#38  
T16S, R3W  
N= 12063.10  
E= 12756.86

FOUND BRASS CAP, SOUTHEAST CORNER DLG#38  
T16S, R3W  
N= 12058.74  
E= 17211.20

NORTHWEST CORNER  
OF SUBDIVISION PLAT  
N = 12034.31  
E = 11529.88

NORTHEAST CORNER  
OF SUBDIVISION PLAT  
N = 12030.29  
E = 15599.28



PLACE OF USE: LOTS 1-27 OF DIAMOND RIDGE SUBDIVISION AS PLATTED  
AND RECORDED ON 1 JULY 2004, IN COUNTY SURVEY FILE NUMBER 38881,  
RECEPTION NUMBER 2004-049903 LANE COUNTY OREGON DEED RECORDS,  
LANE COUNTY OREGON. (279 ACRES) TAX LOTS 400-3000, ASSESSORS  
MAP 16-03-34.

**RELATIVE LOCATION OF WELLS FROM SECTION CORNER**

WELL #1:	TAG #L42680	NORTH 17°57'08" WEST	2119.02'
WELL #2:	TAG #L44872	NORTH 43°01'29" WEST	1813.51'
WELL #3:	TAG #L44892	NORTH 43°18'12" WEST	1332.38'
WELL #4:	TAG #L59136	NORTH 47°34'42" WEST	1240.13'
WELL #5:	TAG #L71194	NORTH 28°23'35" WEST	1154.58'
WELL #6:	TAG #L71191	NORTH 18°49'37" WEST	491.91'

WELL #3  
TAG #L44892  
N= 9605.71  
E= 14548.74

WELL #2  
TAG #L44872  
N= 9961.98  
E= 14225.46

WELL #5  
TAG #L71194  
N= 9651.88  
E= 14913.82

WELL #4  
TAG #L59136  
N= 9472.76  
E= 14547.38

WELL #6  
TAG #L71191  
N= 9101.78  
E= 15304.10

SOUTHEAST CORNER  
OF SUBDIVISION PLAT  
N = 8993.98  
E = 15476.98

FOUND BRASS CAP  
SOUTH 1/4 COR SEC 34, T16S, R3W, WM  
N = 8605.20  
E = 12816.11  
STATE PLANE COORDINATES (NAD 27)  
N = 907,060.82  
E = 1,334,124.14

FOUND BRASS CAP  
SE CORNER SEC 34, T16S, R3W, WM  
N = 8636.19  
E = 15462.84

**NOTE:**

THIS IS NOT A BOUNDARY SURVEY. THE INFORMATION  
SHOWN HEREON IS TO SHOW THE LOCATION OF WELL  
HEADS RELATIVE TO THE GOVERNMENT MONUMENTS AS  
NOTED. THE LOCATION OF THE SUBDIVISION BOUNDARY  
IS SHOWN FOR REFERENCE ONLY.

**WATER WELL LOCATION  
FOR  
DIAMOND RIDGE SUBDIVISION  
W 1/2 SEC. 35 AND SEC. 34, T. 16 S., R. 3 W., W.M.**

**Goebel Engineering & Surveying**  
ENGINEERING SURVEYING PLANNING  
1762 West 2nd, Eugene, Oregon  
(541) 687-0542

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

OREGON  
JULY 16, 1987  
SCOTT J. GOEBEL  
2280

RENEWAL DATE: 01/30/05

16 03 34

Section 34 T.16S. R.3W.W.M.

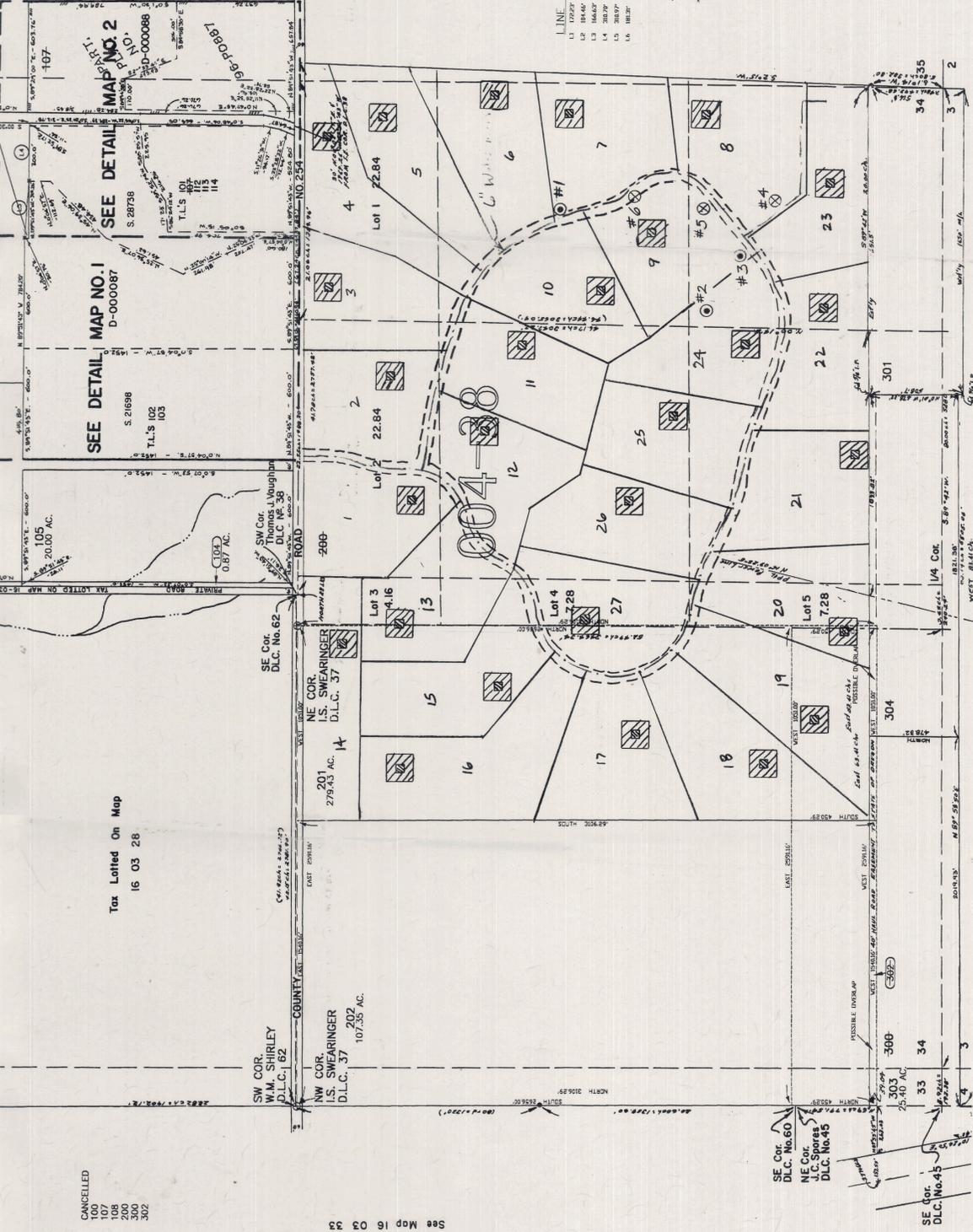
LANE COUNTY

1"=400'

DATE	BY	REVISION

CANCELLED  
100  
107  
108  
200  
300  
302

Tax Lotted On Map  
16 03 28



LINE TABLE

L1	1022P	N PROPERTY V
L2	1046P	S PROPERTY V
L3	1046P	N PROPERTY V
L4	1022P	N PROPERTY V
L5	1022P	N PROPERTY V
L6	1022P	N PROPERTY V

Legend

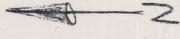
- Proposed 6" water main to provide water to 27 lots for domestic use.
- ⊙ Existing well with reference #
- ⊗ Future well with reference #

(Reference number for State of Oregon - Application for a Permit to use Ground Water.)

- ⊠ Proposed irrigated landscaped area (1/2 acre per lot)
- Proposed Home
- Proposed Road

EXHIBIT A

Water will be drawn from and used in:  
Lane County and the Willamette River Basin



See Map 16 03 35



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WATER RESOURCES DEPT.  
SALEM, OREGON

16 03 34

Section 34 T.16S. R.3W.W.M.

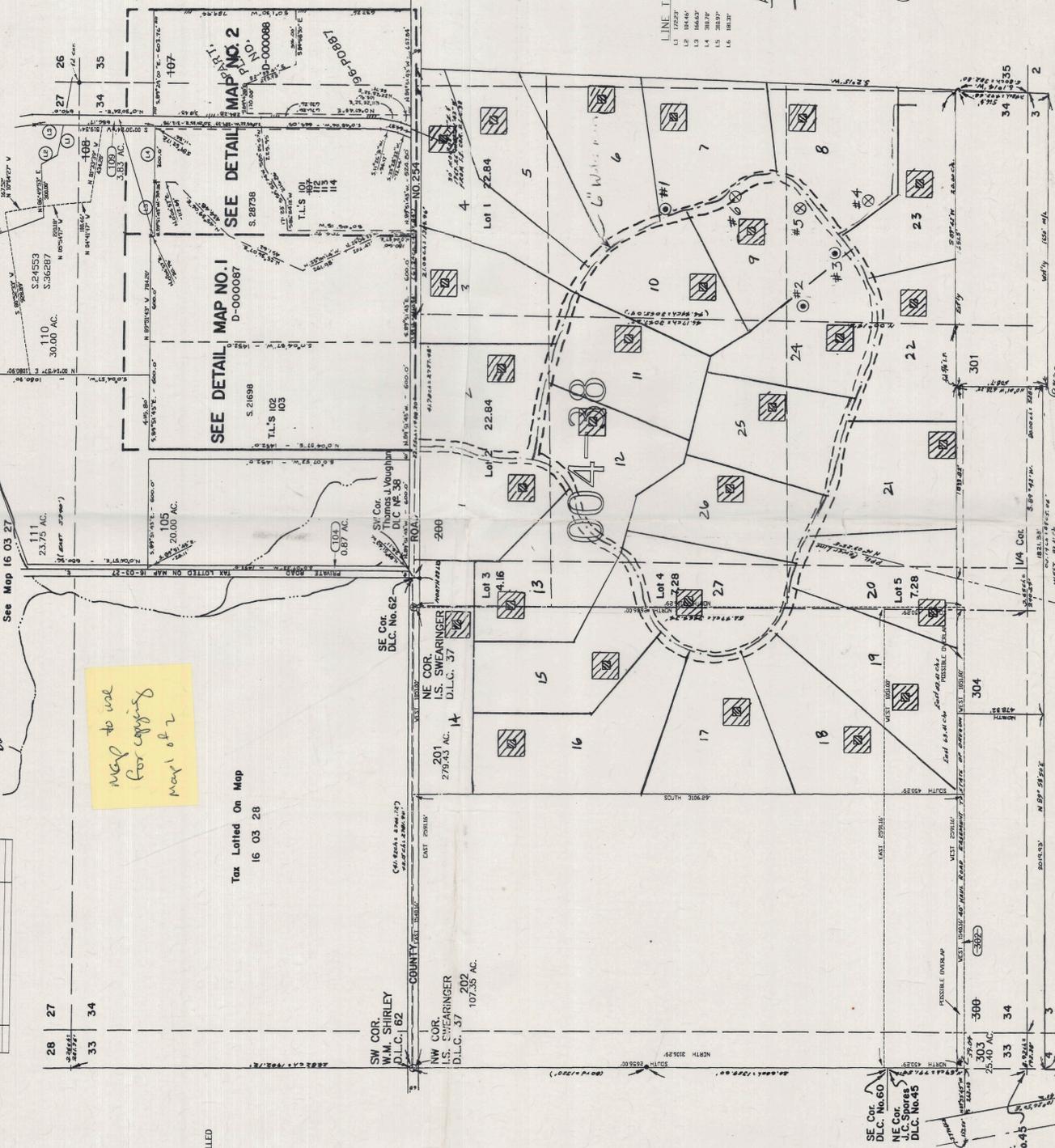
LANE COUNTY

1"=400'

DATE	BY	REVISION

CANCELLED  
100  
107  
108  
200  
300  
302

Tax Lotted On Map  
16 03 28



LINE TABLE

L1	1022P	N PROPERTY V
L2	1046P	S PROPERTY V
L3	1046P	N PROPERTY V
L4	1022P	N PROPERTY V
L5	1022P	N PROPERTY V
L6	1022P	N PROPERTY V

Legend

- Proposed 6" water main to provide water to 27 lots for domestic use.
- ⊙ Existing well with reference #
- ⊗ Future well with reference #

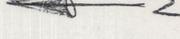
(Reference number for State of Oregon - Application for a Permit to use Ground Water.)

- ⊠ Proposed irrigated landscaped area (1/2 acre per lot)
- Proposed Home
- Proposed Road

EXHIBIT A

Map to use for copying map 1 of 2

Water will be drawn from and used in:  
Lane County and the Willamette River Basin



See Map 16 03 35



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MARQUISE WA

JULY 16, 1987  
SCOTT J. GOEBEL  
2280  
RENEWAL DATE: 07/30/05

**RELATIVE LOCATION OF WELLS FROM SECTION CORNER**

WELL #1: TAG #42680 NORTH 17°57'08" WEST 2207.13'  
WELL #2: TAG #44872 NORTH 43°01'28" WEST 1813.51'  
WELL #3: TAG #44892 NORTH 43°18'53" WEST 1332.50'  
WELL #4: TAG #459136 NORTH 47°34'42" WEST 1240.12'

FOUND BRASS CAP  
SOUTH 1/4 COR SEC 34, T16S, R3W, WM  
N= 8605.20  
E= 12816.11

FOUND BRASS CAP  
SE CORNER SEC 34, T16S, R3W, WM  
N= 8636.19  
E= 15462.84

34 35  
3 2

**WATER WELL LOCATION**

FOR

**DIAMOND RIDGE SUBDIVISION**

**W 1/2 SEC. 35 AND SEC. 34, T. 16 S., R. 3 W., W.M.**

ENGINEERING SURVEYING PLANNING  
**Goebel Engineering & Surveying**  
1762 West 2nd, Eugene, Oregon  
(541) 687-0542

**NOTE:**

THIS IS NOT A BOUNDARY SURVEY. THE INFORMATION SHOWN HEREON IS TO SHOW THE LOCATION OF WELL HEADS RELATIVE TO THE GOVERNMENT MONUMENTS AS NOTED. THE LOCATION OF THE SUBDIVISION BOUNDARY IS SHOWN FOR REFERENCE ONLY.

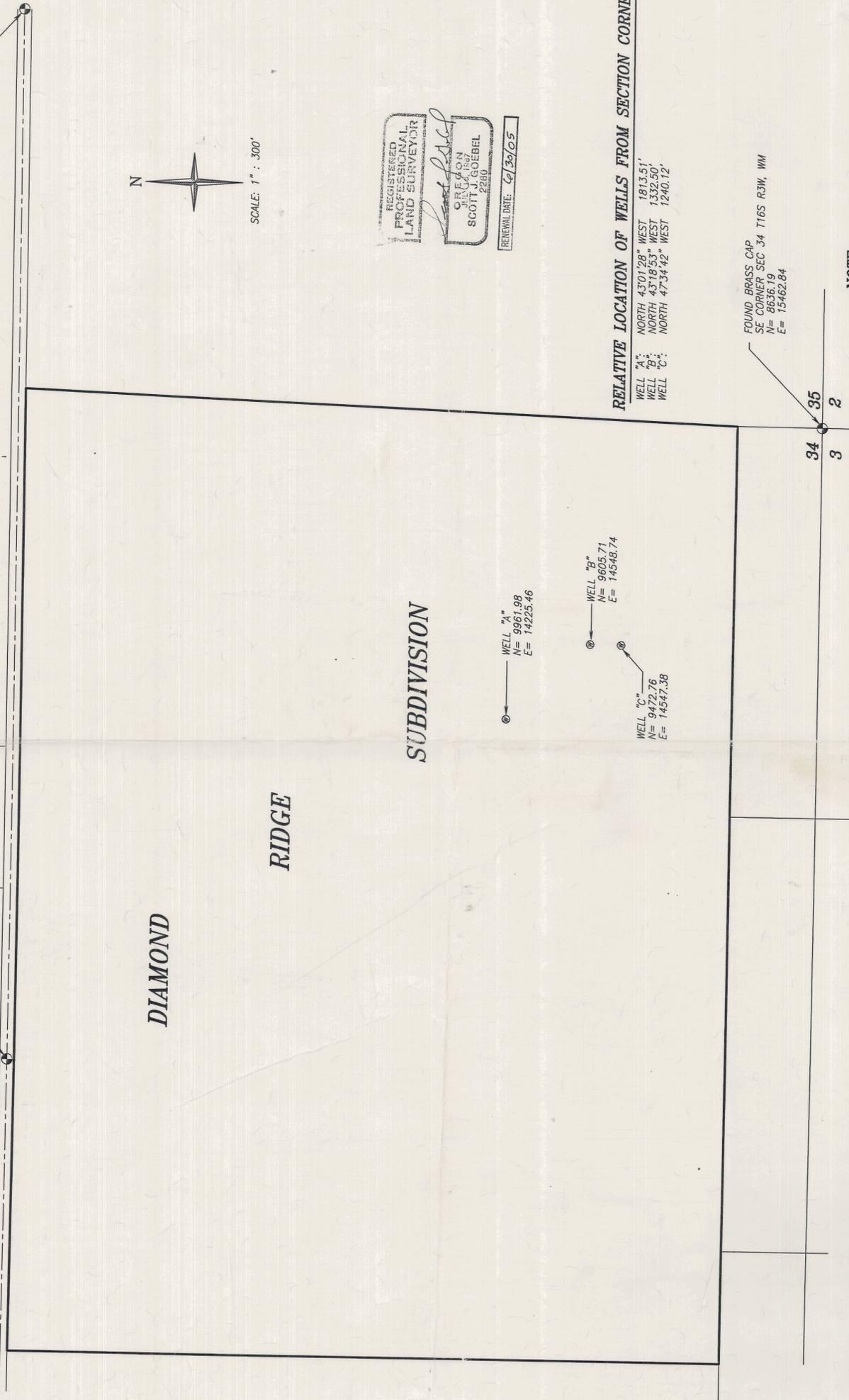
SHEET 1 OF 1

FILE: 100003-0310001001001001-02471 WELL EMBLEM ONLY  
PLOT DATE: 12 DEC 2003

FOUND BRASS CAP, SOUTHWEST CORNER D.L.C.#38  
T16S R3W  
N= 12063.10  
E= 12756.66

VAN DUYN ROAD

FOUND BRASS CAP, SOUTHEAST CORNER D.L.C.#38  
T16S R3W  
N= 12058.74  
E= 17211.20



DIAMOND

RIDGE

SUBDIVISION

WELL "A"  
N= 9961.98  
E= 14225.46

WELL "B"  
N= 9605.71  
E= 14548.74

WELL "C"  
N= 9472.76  
E= 14547.38

**RELATIVE LOCATION OF WELLS FROM SECTION CORNER**

WELL "A": NORTH 43°01'28" WEST 1813.51'  
WELL "B": NORTH 43°18'53" WEST 1332.50'  
WELL "C": NORTH 47°34'42" WEST 1240.12'

FOUND BRASS CAP  
SE CORNER SEC 34, T16S R3W, WM  
N= 8636.19  
E= 15462.84

34 35  
3 2

**WATER WELL LOCATION FOR DIAMOND RIDGE SUBDIVISION**

ENGINEERING SURVEYING PLANNING  
**Goebel Engineering & Surveying**  
1762 West 2nd, Eugene, Oregon  
(541) 687-0542

**NOTE:**

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WATER RESOURCES DEPT.  
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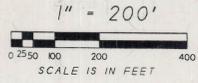
SHEET 1 OF 1

FILE: 100003-0310001001001001-02471 WELL EMBLEM ONLY  
PLOT DATE: 14 SEPTEMBER 2003



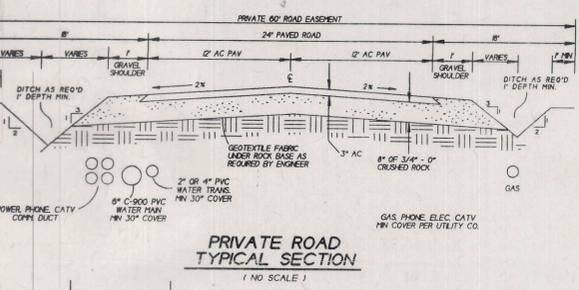
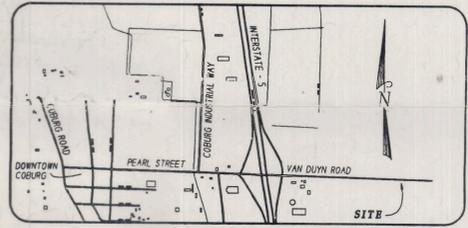
# TURKEY RUN SUBDIVISION COMMUNITY WATER SYSTEM

WATER SYSTEM CONSTRUCTION PLANS



TO I-5 (APPROX 1000') VAN DUYN ROAD (COUNTY ROAD RD. NO. 254) 1540'

- LEGEND**
- PROPOSED 6" C-900 PVC WATER MAIN
  - PROPOSED 2" SCHD.40 PVC DWV WATER LINE
  - PROPOSED 4" SCHD.40 PVC DWV WATER LINE
  - PROPOSED FIRE HYDRANT (9 TOTAL)



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SALEM, OREGON

SEC. 33 SEC. 34  
SEC. 4 SEC. 3

16-03-34 TAX LOT 303  
JEANNE T. & JAMES A. SIMMS  
35268 SELBY WAY  
EUGENE OR 97404

16-03-34 TAX LOT 304  
DENNIS RAYMOND FITCH  
53336 SELBY WAY  
EUGENE OR 97408

16-03-34 TAX LOT 301  
OREGON STATE LAND BOARD  
1800 STATE ST.  
SALEM OR 97301

SEC. 34 SEC. 35  
SEC. 3 SEC. 2

16-03-28 TAX LOT 301  
LOIS & WILLIAM STEVENSON  
33401 VAN DUYN RD  
EUGENE OR 97401

16-03-34 TAX LOT 05  
CHARLES H. DUBALLEY & BANG  
33451 VAN DUYN RD  
EUGENE OR 97408

16-03-34 TAX LOT 102  
CAROL A. SCOTT MATTIAND  
33451 VAN DUYN RD  
EUGENE OR 97408

16-03-24 TAX LOT 103  
CAROL R. STARR  
33451 VAN DUYN RD  
EUGENE OR 97408

16-03-34 TAX LOT 101  
WENDY A. WILMOT  
33451 VAN DUYN RD  
EUGENE OR 97401

16-03-34 TAX LOT 103  
SUE H. & BOB W. G. WORK  
33451 VAN DUYN RD  
EUGENE OR 97408

16-03-35 TAX LOT 301  
LE GOLF CORPORATION  
P.O. BOX 0328  
KINGSTON WA 98346

SUPERSEDED

PREPARED BY:  
**POAGE ENGINEERING & SURVEYING INC.**  
990 OBIE STREET, P.O. BOX 2527  
EUGENE, OREGON 97402  
TEL. (541) 485-4505 FAX (541) 485-5624



PREPARED FOR: VAN DUYN LAND CO.  
PROPERTY OWNER: VAN DUYN LAND CO.  
ASSET OWNER'S MAP/TAX LOT: 16 03 34 / TL 200

**TURKEY RUN SUBDIVISION  
COMMUNITY WATER SYSTEM**  
WATER SYSTEM CONSTRUCTION PLANS



SCALE: 1" = 200'

REVISIONS	
1.	
2.	
3.	
4.	
5.	

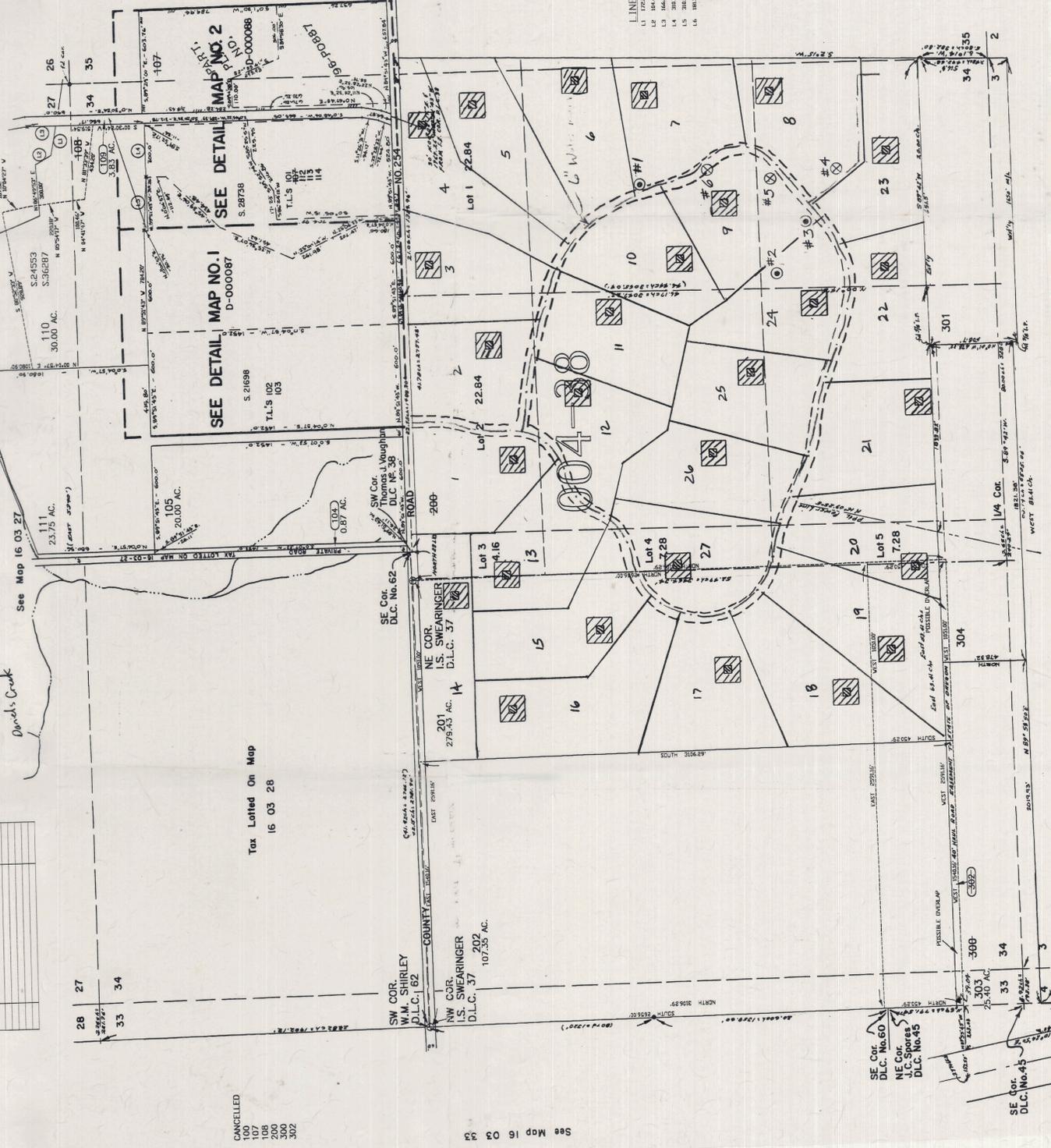
DRAFTED: MJK  
CHECKED BY: DBM  
DATE: 5-3-2002  
24486CONIGCD

C 1

Section 34 T.16S. R.3W.W.M.  
LANE COUNTY

1" = 400'

DATE	DESCRIPTION	BY
10/10/05	FILED	SCOTT J. GOEBEL
10/10/05	FILED	SCOTT J. GOEBEL
10/10/05	FILED	SCOTT J. GOEBEL
10/10/05	FILED	SCOTT J. GOEBEL
10/10/05	FILED	SCOTT J. GOEBEL
10/10/05	FILED	SCOTT J. GOEBEL
10/10/05	FILED	SCOTT J. GOEBEL
10/10/05	FILED	SCOTT J. GOEBEL
10/10/05	FILED	SCOTT J. GOEBEL
10/10/05	FILED	SCOTT J. GOEBEL



CANCELLED  
107  
108  
200  
300  
302

Tax Lotted On Map  
16 03 28

See Map 16 03 33



RECEIVED  
JUL 17 2002  
WATER RESOURCES DEPT.  
SALEM, OREGON

LINE TABLE

1	1/4" = 100'
2	1/4" = 100'
3	1/4" = 100'
4	1/4" = 100'
5	1/4" = 100'
6	1/4" = 100'
7	1/4" = 100'
8	1/4" = 100'
9	1/4" = 100'
10	1/4" = 100'
11	1/4" = 100'
12	1/4" = 100'
13	1/4" = 100'
14	1/4" = 100'
15	1/4" = 100'
16	1/4" = 100'
17	1/4" = 100'
18	1/4" = 100'
19	1/4" = 100'
20	1/4" = 100'
21	1/4" = 100'
22	1/4" = 100'
23	1/4" = 100'
24	1/4" = 100'
25	1/4" = 100'
26	1/4" = 100'
27	1/4" = 100'
28	1/4" = 100'
29	1/4" = 100'
30	1/4" = 100'
31	1/4" = 100'
32	1/4" = 100'
33	1/4" = 100'
34	1/4" = 100'
35	1/4" = 100'

Legend  
--- Proposed 6" water main to provide water to 21 lots for dam use.  
○ Existing well with reference #  
⊗ Future well with reference #

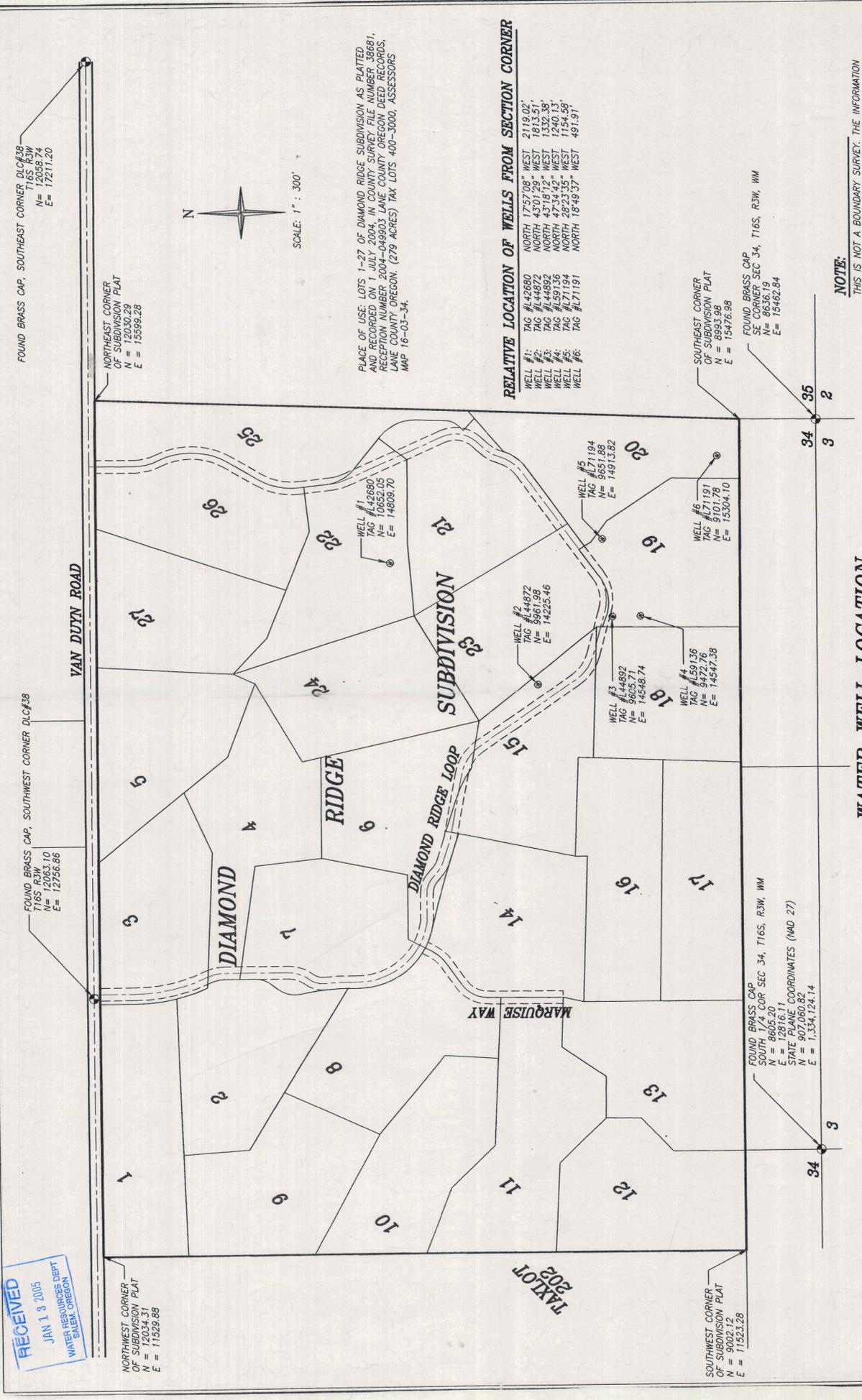
(Reference number for State of Oregon - Application for a Permit to use Ground Water.)

Proposed irrigated landscaped area (1/2 acre per lot)  
Proposed Home  
Proposed Road

EXHIBIT A



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JAN 13 2005  
WATER RESOURCES DEPT.  
SALEM, OREGON



NORTHWEST CORNER OF SUBDIVISION PLAT  
N = 12034.31  
E = 11523.28

FOUND BRASS CAP, SOUTHWEST CORNER D.L.C.#38  
N = 2063.10  
E = 12756.86

FOUND BRASS CAP, SOUTHEAST CORNER D.L.C.#38  
N = 12058.74  
E = 17271.20

NORTHEAST CORNER OF SUBDIVISION PLAT  
N = 12030.29  
E = 15559.28

PLACE OF USE: LOTS 1-27 OF DIAMOND RIDGE SUBDIVISION AS PLATTED AND RECORDED ON 1 JULY 2004, IN COUNTY SURVEY FILE NUMBER 38881, RECEPTION NUMBER 2004-049603 LANE COUNTY OREGON DEEDS, LANE COUNTY OREGON. (279 ACRES) TAX LOTS 400-3000, ASSESSORS MAP 16-03-34.

RELATIVE LOCATION OF WELLS FROM SECTION CORNER

WELL #1:	TAG #42680	NORTH 17°57'08" WEST	2119.02'
WELL #2:	TAG #444872	NORTH 4°30'12" WEST	1813.51'
WELL #3:	TAG #444892	NORTH 4°31'12" WEST	1332.38'
WELL #4:	TAG #159136	NORTH 47°34'42" WEST	1540.13'
WELL #5:	TAG #271194	NORTH 28°23'37" WEST	1516.59'
WELL #6:	TAG #271191	NORTH 18°49'37" WEST	491.91'

SOUTHWEST CORNER OF SUBDIVISION PLAT  
N = 9002.12  
E = 11523.28

FOUND BRASS CAP SOUTH 1/4 COR SEC 34, T16S, R3W, WM  
N = 8665.21  
E = 907.060.82  
STATE PLANE COORDINATES (NAD 27)  
N = 1,334,124.14  
E = 1,334,124.14

SOUTHEAST CORNER OF SUBDIVISION PLAT  
N = 8953.98  
E = 15476.98

FOUND BRASS CAP SE CORNER SEC 34, T16S, R3W, WM  
N = 8636.19  
E = 15462.84

NOTE:

THIS IS NOT A BOUNDARY SURVEY. THE INFORMATION SHOWN HEREON IS TO SHOW THE LOCATION OF WELL HEADS RELATIVE TO THE GOVERNMENT MONUMENTS AS NOTED. THE LOCATION OF THE SUBDIVISION BOUNDARY IS SHOWN FOR REFERENCE ONLY.

WATER WELL LOCATION FOR  
DIAMOND RIDGE SUBDIVISION  
W 1/2 SEC. 35 AND SEC. 34, T. 16 S., R. 3 W., W.M.

Goebel Engineering & Surveying  
ENGINEERING SURVEYING PLANNING

1762 West 2nd, Eugene, Oregon  
(541) 887-0542

REGISTERED PROFESSIONAL LAND SURVEYOR

SCOTT J. GOEBEL  
2280

PREPARED BY: *scj*

RECEIVED  
 JAN 13 2005  
 WATER RESOURCES DEPT  
 SALEM, OREGON

FOUND BRASS CAP, SOUTHWEST CORNER D.L.C.#38  
 N = 12063.10  
 E = 12756.86

FOUND BRASS CAP, SOUTHEAST CORNER D.L.C.#38  
 N = 1165.83W  
 E = 17211.20

NORTHWEST CORNER  
 OF SUBDIVISION PLAT  
 N = 12034.31  
 E = 11529.88

NORTHEAST CORNER  
 OF SUBDIVISION PLAT  
 N = 12030.29  
 E = 15599.28



PLACE OF USE: LOTS 1-27 OF DIAMOND RIDGE SUBDIVISION AS PLATTED  
 AND RECORDED ON 1 JULY 2004, IN COUNTY SURVEY FILE NUMBER 38681.  
 RECEIPTION NUMBER 2004-049903 LANE COUNTY OREGON DEED RECORDS,  
 LANE COUNTY, OREGON. (279 ACRES) TAX LOTS 400-3000, ASSESSORS  
 MAP 16-03-34.

TAX LOT  
 2002

RELATIVE LOCATION OF WELLS FROM SECTION CORNER  
 WELL #1: TAG #42680 NORTH 175°08' WEST 2119.09'  
 WELL #2: TAG #44872 NORTH 43°01'29" WEST 1813.51'  
 WELL #3: TAG #44892 NORTH 43°18'12" WEST 1332.38'  
 WELL #4: TAG #59136 NORTH 47°34'42" WEST 1240.13'  
 WELL #5: TAG #71194 NORTH 26°23'35" WEST 1154.58'  
 WELL #6: TAG #171191 NORTH 18°49'37" WEST 491.91'

SOUTHWEST CORNER  
 OF SUBDIVISION PLAT  
 N = 9002.12  
 E = 17523.28

SOUTHEAST CORNER  
 OF SUBDIVISION PLAT  
 N = 8993.98  
 E = 15476.98

FOUND BRASS CAP  
 SOUTH 1/4 COR SEC 34, T16S, R3W, WM  
 N = 8605.20  
 E = 12916.11  
 STATE PLANE COORDINATES (NAD 27)  
 N = 91060.82  
 E = 1339724.14

FOUND BRASS CAP  
 SE CORNER SEC 34, T16S, R3W, WM  
 N = 8636.19  
 E = 15462.84

REGISTERED  
 PROFESSIONAL  
 LAND SURVEYOR  
  
 OREGON  
 JULY 18, 1987  
 SCOTT GOEBEL  
 2280  
 RENEWAL DATE: 07/30/05

WATER WELL LOCATION  
 FOR  
 DIAMOND RIDGE SUBDIVISION  
 W 1/2 SEC. 35 AND SEC. 34, T. 16 S., R. 3 W., W.M.

Goebel Engineering & Surveying  
 ENGINEERING SURVEYING PLANNING  
 1782 West 2nd, Eugene, Oregon  
 (503) 687-3242

