

This form is subject to revision. Begin each new claim by checking for a new version of this form and downloading a new one if necessary.

If you have questions regarding the completion of this form, contact:

Gerry Clark by e-mail at [Gerald.E.CLARK@ wrd.state.or.us](mailto:Gerald.E.CLARK@ wrd.state.or.us) or by phone at 503-986-0811,

Or Jerry Gainey by e-mail at [Jerry.W.GAINEY@ wrd.state.or.us](mailto:Jerry.W.GAINEY@ wrd.state.or.us) or by phone at 503-986-0812.

The Department has a new program that allows a permit holder to pay the cost to have a private contractor review of the claim and, if appropriate, prepare a certificate. This new program means a certificate can be issued in about a month. The Department has a list of trained contractors that are selected on a rotating basis. For more information on this program see: <http://www.wrd.state.or.us/programs/index.shtml>.

\*\*This box can be deleted

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

## CLAIM OF BENEFICIAL USE

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

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

### I. General Information

#### 1. File Information

Application Number (G, R, S or T)	Permit Number (if applicable)
<b>G-15196</b>	<b>G-14018</b>

#### 2. Property owner (current owner information)

##### a. Individuals

Name		
Mailing Address		
City/State/Zip		
Phone #		
Fax #		
e-mail address		

##### b. Businesses/Organizations

Name	<b>Columbia Forest Products</b>
Contact Person and Title	<b>Glen Keown</b>
Mailing Address	<b>P.O. Box 1780</b>
City/State/Zip	<b>Klamath Falls, Or</b>
Phone	<b>541-882-7281</b>
Fax	
e-mail	

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

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

c. Individuals

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

d. Businesses/Organizations

Name	
Contact Person and Title	
Mailing Address	
City/State/Zip	

4. Date of Site Inspection: **Sept. 9, 2007**

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

Name	Date	Association with the project
<b>Glen Keown</b>	<b>9-09-07</b>	<b>Industrial Engineer</b>

6. County: **Klamath**

7. Tax Lot Information:

Tax map number	Tax lot number
<b>39 09 18</b>	<b>1300</b>

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

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

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

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

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## II. Points of Diversion/Appropriation and Place of Use

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

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

Water is pumped from Well #2 with a 20 hp, 12 stage pump, then is diverted thru the distribution system. A 3" inch line leaves the well house through the roof in a Southwesterly direction +/-220' to a building where a portion of the water is used as make up water for steam generation. The 3" line continues Southwest for approximately another 251' and supplies potable water to the same building. From this building, the 3" line then turns Northwest for 80', crossing railroad tracks to a point, then turns Northeast for 267' to a tee (T-1). From T-1, a 1" line runs Southeast for 53' across the railroad tracks to a point, then heads Southwest for 62' and ties to another building providing potable water. Also from T-1, waterlines run both Northeast and Southwest. To the Northeast, a 1" water line runs for 178' and supplies potable water to one section of the plant. The 3" Southwest line runs for 95' and ties into another tee (T-2). From T-2, two (2) 1" lines run in a Southwesterly direction, while a 3" line runs Northwesterly for 169'. One Southwesterly line is 147' and supplies water to the glue mixing plant. The other Southwest line is 425' long and supplies potable water to another section of the plant. The 3" Northwest line runs to another tee (T-3). From T-3 lines run both Northeast and Southwest. To the Northeast, a 1" line runs for 206' and supplies potable water to another section of the plant. The 1" line heading Southwest runs 30' to a point, then goes underground traveling Northwest for 125' to a bend, then continues Northwest for 115' to the main office. The waterline supplies potable water to this building.

Well #1 was not drilled due to the adequate production from well #2.

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

Point of diversion/appropriation name or number (correspond to map) Well	Well log ID # for all work performed on the well (if applicable)	Well tag # (if applicable)
Well 2	KLAM52912	L48773

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

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

Source	Tributary to
Well 2	JUN 04 2008

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4. Point of diversion/appropriation location:

(DLC, Government Lot, ¼ ¼, Section, Township, Range)	Reference to a recognized public land survey corner by distance and bearing or by coordinates
Government Lot 1a, SENE Sec 18, T39S R09E WM	S17 14'58"W 1636' from NE corner Sec 18

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

Uses	If irrigation, list crop type	When water is used	Rate for use
Industrial uses		Daily, 52 weeks per year	0.334cfs

Total Rate of Water

0.334cfs

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

DLC	Gov lot	1/4 1/4	Section	Township	Range	Use	# of primary acres	# of supplemental acres
	<b>1a</b>	<b>SE NE</b>	<b>18</b>	<b>39S</b>	<b>09E</b>	<b>I</b>	<b>26.2</b>	
	<b>9a</b>	<b>SE NE</b>	<b>18</b>	<b>39S</b>	<b>09E</b>	<b>I</b>	<b>2.1</b>	

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**Total Acres Irrigated** **N/A**

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**Groundwater Source Information (Well and Sump)**

**\*\*If the appropriation is not from ground water (well or sump), this section, items 1-5, can be deleted.**

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

**None available**

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

Casing Diameter	Casing Depth	Total Depth	Completion Date of Original Well	Completion Dates of Alterations	Who the well was drilled for	Well drilled by
<b>8"</b>	<b>264'</b>	<b>324'</b>	<b>8/27/2001</b>		<b>Columbia Forest Products</b>	<b>Norm Sevey</b>

In addition to the information requested in item "2" above, provide any other information which may help the Department locate any well logs associated with this appropriation.

**For well log, see attachment C**

**\*\*If the appropriation is not from a sump, the following section, items 3-4, can be deleted. Construction standards for sumps can be found in OAR 690-210-0400.**

**Reservoir Data**

**\*\*If this claim is not for a reservoir, or the system does not involve a reservoir as part of the distribution system, this section, items 1-7, can be deleted.**

**Storage tank data**

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

**System Information:**

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

1. Pump information

Brand	Model	Serial Number	Type (centrifugal, turbine or submersible)	Intake size	Discharge size
<b>Aermotor</b>			<b>submersible</b>	<b>3"</b>	<b>3"</b>



## 2. Motor information

Brand	Model	Horsepower	Max RPM	Voltage
<b>Franklin</b>		<b>20</b>		<b>480</b>

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

Make	Serial #	Condition (working or not)	Current meter reading	Notes
<b>Badger</b>	<b>62759-003</b>	<b>working</b>	<b>61334600</b>	

## 4. Measurement device description

Device description	Condition (working or not)	Notes
<b>N/A</b>		

5. Measured pump capacity (using meter if meter was present and system was operating) **n/a**

Initial meter reading	Ending meter reading	Duration of time observed	Total pump output
			<b>204 gpm</b>

## 6. Theoretical pump capacity

Horsepower	Operating psi	Lift from source to pump *If a well, the water level during pumping (see pump test results)	Lift from pump to place of use	Total pump output
<b>20</b>	<b>55</b>	<b>45'</b>	<b>30'</b>	<b>276gpm</b>

## 7. Provide pump calculations in the box below:

$$Q_{\text{pump}} = \frac{(\text{Hp})(\text{conversion factor})}{(\text{lift} + \text{pressure})} = \frac{(20)(6.61)}{(75+139.7)} = \frac{132.20}{214.7} = 0.62\text{cfs (approximately 276gpm)}$$

Where:

Hp=20

Submersible pump efficiency = 6.61ft<sup>4</sup>/sec/Hp

Lift = 45 feet + 30 feet = 75 feet

Pressure = 55 psi (assumed system pressure) = 139.7 feet from Claim form table.

## 8. Mainline information

Mainline size	Length	Type of pipe	Buried or above ground
<b>3"</b>	<b>1082'</b>	<b>steel</b>	<b>Above ground</b>
<b>1"</b>	<b>1101'</b>	<b>steel</b>	<b>Above</b>
<b>1"</b>	<b>240'</b>	<b>steel</b>	<b>Below</b>

## 9. Lateral or handline information

Lateral or handline size	Length	Type of pipe	Buried or above ground
<b>N/A</b>			

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## 10. Sprinkler information Make and model:

Make	Model	Size	Operating psi	Sprinkler output	Maximum number used	Total sprinkler output
<b>N/A</b>						

Refer to the chart of sprinkler output at various pressures for most nozzle sizes attached to this document.

$$Q_{\text{sprinklers}} = \frac{(\text{max \# heads})(\text{gpm/head})}{448.8 \text{ gpm/cfs}} = \text{cfs}$$

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

**Water is used for glue mixing, non-contact cooling, make up water for steam generation and potable use. Potable use is less than 15,000gpd, therefore exempt from permitting.**

### III. CONDITIONS

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

1. **Time Limits:**

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

	Dates from permit or transfer final order	Date accomplished	Description of actions taken by water user to comply with the time limits
Begin construction	<b>None</b>	<b>8-20-01</b>	<b>Well was drilled, pump, motor and meter installed</b>
Complete construction	<b>None</b>	<b>10-01-05</b>	<b>and the delivery system consisting of approximately</b>
Complete application of water	<b>10/1/05</b>	<b>2001</b>	<b>1,021' of 3" pipe, and +/- 1,190' of 1" pipe</b>

2. **Initial Water Level Measurements:**

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

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

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

c. Did an authorized individual (as stated in the permit or transfer final order) make the initial static water level measurement in the month required? **N/A**  
YES NO

d. If "YES", was the measurement submitted to the Department? YES NO

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

Date of measurement	Who made measurement	Method	Measurement
<b>8/27/01</b>	<b>Valley Pump &amp; Equip. Co.</b>	<b>Not Reported</b>	<b>29'</b>

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### 3. Annual Static Water Level Measurements:

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

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

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

--

c. Were the static water level measurements taken in the month required? YES NO

d. If "YES", were those measurements submitted to the Department? YES NO

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

Year	Month	Measurement made by	Measurement
2001	8	Valley Pump & Equip. Company	29
2001	9	Valley Pump & Equip. Company	34' 2"
		Periodic water level measurements	not required.

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

a. Does the permit or transfer final order require the installation of a meter or approved measuring device?  
YES NO

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

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

b. Has a meter been installed? YES NO

c. Provide the date the meter was installed:

2001
------

d. If a meter has not been installed, has a suitable measuring device been installed and approved by the Department? YES NO

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

Name	Title	Approximate date

f. Is the water user required to report the water use to the Department? YES NO

g. Have the reports been submitted? YES NO

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

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## 5. Fish Screening and/or By-pass Devices n/a

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

If fish screening and/or by-pass devices were required, the COBU map must indicate their location in relation to the point of diversion.

**\*\*If "NO", items b through i relating to this section can be deleted**

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

a. Did the permit require the submittal of a pump test? YES NO NA

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

c. Has the pump test been approved by the Department? YES NO

d. If no, is the pump test attached to this Claim? YES NO

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

## IV. Variations, Attachments, Conclusions, Map and Signatures

### Variations

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

- 1) Only one well drilled due to adequate water supply.
- 2) Well access port not provided.

### Attachments

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

Attachment name	Description
Attachment A	Permit to appropriate Public Waters
Attachment B	Final Proof Map
Attachment C	Pump Test
Attachment D	Theoretical pump calculations
Attachment E	Well Log for well L48773
Attachment F	Assessor's Map
Attachment G	Photos
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**Permit and Transfer Final Order Rates and System Rates Comparisons:**

POD or POA name or #	Maximum rate allowed by permit or transfer final order	Calculated theoretical rate of water based on system	Actual amount of water measured (if measured)	Developed use	# of acres allowed by permit or transfer final order	# of acres developed
Well 2	0.334cfs	291gpm	204gpm	Glue mixing, non-contact cooling, make up water for steam generator, and potable water	n/a	n/a

**Claim of Beneficial Use Map**

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

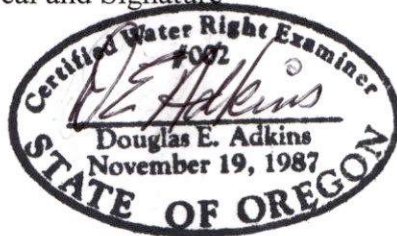
In the following box, provide a general description of the survey method used to prepare the map. Examples of possible methods include, but are not limited to, a traverse survey, GPS, or the use of aerial photos. If the basis of the survey is an aerial photo, provide the source, date, series and the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

**This application was prepared from NAIP 2005 Aerial photography, Trimble 4800 GPS survey equipment used to tie down the well location and to locate the section corner, Klamath County R.O.S. 3143, County Tax map 39 09 18, and GLO maps.**

CWRE Statement, Seal and Signature

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

Seal and Signature

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SALEM, OREGONPermit or Transfer Holders Signature or Acknowledgement

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

Signature

Glen Keown

Print or type name

5/30/08

Date

Signature

Print or type name

Date



# ATTACHMENT A

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Attachment A

STATE OF OREGON

COUNTY OF KLAMATH

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

COLUMBIA FOREST PRODUCTS  
GLEN KEOWN, ENGINEER  
P.O. BOX 1780  
KLAMATH FALLS, OREGON 97601

PHONE (541) 882-7281

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

APPLICATION FILE NUMBER: G-15196

SOURCE OF WATER: TWO WELLS WITHIN THE KLAMATH RIVER BASIN

PURPOSE OR USE: INDUSTRIAL USE

MAXIMUM RATE: 0.334 CUBIC FOOT PER SECOND, APPROPRIATED IN ANY  
COMBINATION BETWEEN WELL 1 AND WELL 2

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: AUGUST 14, 2000

POINT OF DIVERSION LOCATION: SE 1/4 NE 1/4, SECTION 18, T39S, R9E,  
W.M.; WELL #1 - 1550 FEET SOUTH & 670 FEET WEST, AND WELL #2 - 1505  
FEET SOUTH & 515 FEET WEST, BOTH FROM NE CORNER, SECTION 18

THE PLACE OF USE IS LOCATED AS FOLLOWS:

SE 1/4 NE 1/4  
SECTION 18  
TOWNSHIP 39 SOUTH, RANGE 9 EAST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order.
- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure,

Application G-15196 Water Resources Department

PERMIT G-14018

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SALEM, OREGON

the watermaster shall request access upon reasonable notice.

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

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

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

#### STANDARD CONDITIONS

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

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

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

Failure to comply with any of the provisions of this permit may result

Application G-15196      Water Resources Department

PERMIT G-14018

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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.

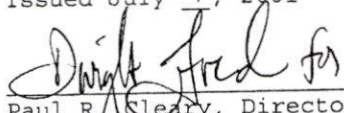
By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

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, 2005. 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 July 9, 2001

  
Paul R. Cleary, Director  
Water Resources Department

NOTE: 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.

Application G-15196  
Basin 14  
JWG

Water Resources Department  
Volume 1 KLAMATH R  
MGMT.CODE 7BG, 7BR, 7JG, 7JR

PERMIT G-14018  
District 17

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# ATTACHMENT B

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**Valley Pump & Equipment Company**7355 S. 6th Street  
Klamath Falls, Oregon 97603Phone 541-884-9776  
Fax 541-884-8640**WELL FLOW TEST**NAME: COLUMBIA PLYWOOD  
ADDRESS:DATE: 9/27/2001  
PHONE: 882-7281

TEMPERATURE:

PUMP SETTING: 189 FT

TIME	STATIC LEVEL	PUMPING LEVEL	GPM	WATER CLARITY
9:55 AM	34 FT 2 INCHES		175	GREEN
10:00AM		44 FT	175	CLEARING
10:15AM		45 FT	175	CLEAR
10:30AM		45 FT	175	CLEAR
10:45AM		45 FT	175	CLEAR
11:00AM		45 FT	175	CLEAR
11:30AM		45 FT	175	CLEAR
12:00PM		45 FT	175	CLEAR
12:30PM		45 FT	175	CLEAR
1:00 PM		45 FT	175	CLEAR
1:30 PM		45 FT	175	CLEAR
2:00 PM		45 FT	175	CLEAR
	<b>RECOVERY</b>			
2:01 PM		36 FT		
2:06 PM		35 FT		
2:34 PM		34 FT 2 INCHES		

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# ATTACHMENT C

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# ATTACHMENT D

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**Columbia Forest Products**

April 25, 2008

Job No.: 2807-01

**Application #: G-15196**

**Permit #: G-14018**

**Pump Capacity Calculation Sheet**

using Department designed formula:

$(hp)(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$

Efficiency:

Submersible = 6.61

Centrifugal = 6.61

Turbine = 7.04

---

**Data Entry (fill in underlined blanks)**

---

HP = 20  
Efficiency = 6.61  
Lift = 75  
PSI = 55

---

**Results Calculated**

---

$(hp)(\text{efficiency}) = 132.2$   
Head based on psi = 139.7  
Total dynamic head = 214.7  
(head + lift)

**Pump Capacity = 0.62 cfs**  
or  
**276 gpm**

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# ATTACHMENT E

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STATE OF OREGON  
WATER SUPPLY WELL REPORT

Attachment E

WELL ID # L 48773

(START CARD) # 108777

(as required by ORS 537.765)

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

(1) OWNER: Well Number: \_\_\_\_\_  
Name COLUMBIA FOREST PRODUCTS  
Address HWY 97 SOUTH  
City KLAMATH FALLS State OR Zip 97601

(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 324 ft.  
Explosives used ☐ Yes ☒ No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE		SEAL		Amount	
Diameter	From To	Material	From To	sacks or pounds	
10	0 264	BENTONITE	0 30	6 SACKS	
8	264 324	CEMENT	30 264	47 SACKS	

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: Diameter 8 From +1 To 264 Gauge .250 Steel ☒ Plastic ☐ Welded ☒ Threaded ☐  
Liner: NONE

Final location of shoe(s) 264 FT.

(7) PERFORATIONS/SCREENS:  
☐ Perforations Method NONE  
☐ Screens Type \_\_\_\_\_ Material \_\_\_\_\_  
From To Slot size Number Diameter Tele/pipe size Casing Liner  
NONE

(8) WELL TESTS: Minimum testing time is 1 hour  
☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian  
Yield gal/min 150 GPM Drawdown \_\_\_\_\_ Drill stem at 90 FT. Time 1 hr.

Temperature of Water 64 F Depth Artesian Flow found NONE  
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: NONE

(9) LOCATION OF WELL by legal description:  
County KLAMATH Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 39S N or S. Range 09E E or W. of WM. \_\_\_\_\_  
Section 18 SE 1/4 NE 1/4  
Tax lot 1300 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) HWY 97 SOUTH OF KLAMATH FALLS, OR

(10) STATIC WATER LEVEL:  
29 ft. below land surface. Date 8/27/2001  
Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:  
Depth at which water was first found 82 FT.

From	To	Estimated Flow Rate	SWL
82	104	4 GPM	16
208	240	25 GPM	16
309	324	350 GPM	29

(12) WELL LOG: Ground elevation 4150

Material	From	To	SWL
TOP SOIL	0	4	
GRAY CLAY & GRAVEL	4	8	
SANDY BROWN CLAY	8	12	
BROWN CLAY	12	18	
GRAY CLAY	18	82	
GRAY CLAY W/STREAKS OF BLACK	82		
SANDSTONE		104	16
GRAY CLAY & CLAYSTONE	104	170	
BLACK ROCK	170	208	
GRAY CLAYSTONE W/STREAKS OF BLACK	208		
SANDSTONE & SANDSTONE		240	16
GRAY CLAYSTONE	240	258	
BLACK ROCK	258	309	
FRACTURED GRAY ROCK & BROWN CLAY	309	324	29

Date started 8/20/2001 Completed 8/27/2001

(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 my best knowledge and belief.

Signed J. Bret Pinkard WWC Number 1560  
Date 8/31/2001

(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 Stephen R. Hughes WWC Number 777  
Date 8/31/2001



# ATTACHMENT F

**RECEIVED**

**JUN 04 2008**

**WATER RESOURCES DEPT  
SALEM, OREGON**



Γ-400<sup>2</sup>

39 09 18

JUN 04 2008

WATER RESOURCES DEPT  
SALEM, OREGON



# ATTACHMENT G

**RECEIVED**

JUN 04 2008

WATER RESOURCES DEPT  
SALEM, OREGON



RECEIVED

JUN 04 2008

WATER RESOURCES DEPT  
SALEM, OREGON

Attachment G



SEP 7 2007





WATER RESOURCES DEPT  
SALEM, OREGON

JUN 04 2008

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WATER RESOURCES DEPT  
SALEM, OREGON

JUN 04 2008

RECEIVED



## Letter of Transmittal

**RECEIVED**

To: Jerry Sauter  
OWRD

725 Summer St., NE, Ste. A  
Salem, OR 97301-1266

**JUN 04 2008**

**WATER RESOURCES DEPT  
SALEM, OREGON**

Date: June 2, 2008

RE: COBU  
Columbia Forest Products

We are sending you:

- ☒ Attached ☐ Under separate cover via \_\_\_\_\_ the following items:
- ☐ Shop Drawings ☐ Prints ☐ Plans ☐ Samples ☐ Pay Requests
- ☐ Specifications ☐ Submittals ☐ Change orders ☐ Sign & Return ☐ Other

Copies/Pgs	Date	Description
1	5/30/08	COBU Columbia Forest Products Permit # G-14018
1	4/25/08	Paper original Final Proof Map
1	4/25/08	Mylar Final Proof Map
1		CD Final Proof Map

These are transmitted as checked below:

- ☐ For approval ☐ Approved as submitted ☐ Resubmit \_\_\_\_\_ copies for approval
- ☒ For your use ☐ Approved as noted ☐ Submit \_\_\_\_\_ copies for distribution
- ☐ As requested ☐ Returned for corrections ☐ Return \_\_\_\_\_ corrected prints
- ☐ For review and comment

*Vickie Ream*

**Vickie Ream**  
Administrative Assistant

CC: 2807-01