



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

Application for Water Right Transfer

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

COPY

APPLICATION FOR:

Please check one

<input checked="" type="checkbox"/> Water Right Transfer	<input type="checkbox"/> Temporary Transfer (number of years _____)	<input type="checkbox"/> Drought Transfer
<input type="checkbox"/> Historic Change in POD	<input checked="" type="checkbox"/> Permit Amendment	<input type="checkbox"/> Point of Diversion Change Due to Government Action
<input type="checkbox"/> To Instream Use		
<input type="checkbox"/> Other Transfer		

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1. APPLICANT INFORMATION

**WATER RESOURCES DEPT
SALEM, OREGON**

Name: Manke Lumber Co. dba Parrett Mountain LLC

Address: 1717 Marine View Drive

Tacoma WA 98422

City State Zip

Phone: 206-842-4954

Home Work Other

*Fax: 206-780-1318 *E-Mail address: _____

**Optional information*

2. AGENT INFORMATION

(The agent listed is authorized to represent the applicant in all matters relating to this transfer application)

Name: _____

First Last

Address: _____

City State Zip

Phone: _____

Home Work Other

*Fax: _____ *E-Mail address: _____

**Optional information*

1-9850

3. TYPE OF CHANGE PROPOSED

Please check all that apply

Point of Diversion or Appropriation	Place of Use	Character of Use (n/a for Permit Amendments)
<input type="checkbox"/> Change (The old point of diversion or appropriation will not be used for the portion of the water right affected by the transfer.) <input checked="" type="checkbox"/> Additional (Both the old and new points of diversion or appropriation will be used for the portion of the water right affected by the transfer.) <input type="checkbox"/> Historic Point of Diversion (Unauthorized point of diversion used for more than 10 years.) <input type="checkbox"/> Surface Water to Ground Water (A new point of appropriation will be used instead of the old point of diversion and not as an additional point of appropriation.)	<input type="checkbox"/> All, or a portion, of the right will be exercised at a different location than currently authorized. (Use of water at the current location will be discontinued.) <input type="checkbox"/> Exchange (Water from another source will be used in exchange for supplying an equal amount of replacement water to that source.)	<p align="center">Proposed new use:</p> <input type="checkbox"/> Irrigation <input type="checkbox"/> Municipal <input type="checkbox"/> Quasi-municipal <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Instream (complete Supplemental Form B) <input type="checkbox"/> Domestic (indicate number of households) _____ <input type="checkbox"/> Other _____ <input type="checkbox"/> Substitution (A supplemental ground water right will be substituted for a primary surface water right.)

Reason for changes: Liner installed in existing wells does not allow room for large enough pump to discharge permitted amount.

Describe the **current** water delivery system. Include information on the pumps, canals, pipelines and sprinklers used to divert, convey and apply the water at the authorized place of use.

The description must be sufficient to demonstrate that the full quantity of water to be transferred can be conveyed from the authorized source and applied at the authorized location and that the applicant is ready, willing, and able to exercise the right. (Not applicable to applications for Permit Amendments.)

June 21, 2001 letter from Harper, Houf, Righellis, Inc. (attached)

September 30, 2004 letter from Schneider Equipment, Inc. (attached)

System capacity: 0.189 cubic feet per second (cfs)

Attach one or more Evidence of Use Affidavits (Supplemental Form A) demonstrating that each of the right(s) involved in the transfer have been exercised in the last five years or that a presumption of forfeiture for non-use could be rebutted. (Not applicable to applications for Permit Amendments.)

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SALEM OREGON

Transfer Application/2

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4. CURRENT WATER RIGHT INFORMATION

A separate page providing the information in this section must be completed for each certificate, permit, decree, or other right involved in the proposed transfer.

Water Right Subject to Transfer (check and complete **one** of the following):

<input type="checkbox"/>	Certificated Right	Certificate Number	Permit Number or Decree Name
<input type="checkbox"/>	Adjudicated, Un-certificated Right	Name of Decree	Page Number
<input type="checkbox"/>	Permit for which Proof has been Approved	Permit Number	Date Claim of Beneficial Use Submitted
<input type="checkbox"/>	Transferred Right for which Proof has been Filed	Previous Transfer Number	Date Claim of Beneficial Use Submitted
<input checked="" type="checkbox"/>	Permit for which an Amendment is Requested	G-12114 ✓ Permit Number	October 1, 2007 ✓ Completion Date of Permit

(Extension of Time)

Name on Permit, Certificate, or Decree: Manke Lumber Company ✓

County: Washington ✓ Authorized Use(s): Group Domestic Expanded for 66 Households

Are there multiple **Priority Dates** identified on the water right? Yes No
 If "Yes", any information provided on **Page 4** must identify which priority date is associated with each of the proposed points of diversion/appropriation and places of use. In addition, list those priority dates: N/A

Source(s) of Water Listed on Right: Two Wells ✓

Tributary to: Cedar Creek Basin ✓

Are there other **Sources** listed on the water right? Yes No
 If "Yes", any information provided on **Page 4** must identify which source is associated with each of the proposed points of diversion/appropriation and proposed places of use. In addition, list those other sources: N/A

Are there **Other Water Rights** or permits associated with this land? Yes No
 If "Yes", what are the Permit or Certificate Numbers? N/A
 Pursuant to ORS 540.510, any right that is supplemental to a primary right proposed for transfer must be included in the transfer or be cancelled.

Remarks: _____

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 SALEM, OREGON**

6. AFFECTED DISTRICTS AND LOCAL GOVERNMENTS

Are any of the water rights proposed for transfer located within or served by an irrigation or other water district? Yes No

Will any of the water rights be located within or served by an irrigation or other water district after the proposed transfer? Yes No

Is water for any of the rights supplied under a water service agreement or other contract for stored water with a Federal agency? Yes No

If "Yes", for any of the above, list the name and mailing address of the district and/or agency:

List the name and mailing address of all affected local governments (e.g., county, city, municipal corporation, and tribal governments within whose jurisdiction the rights are located).

Washington County

7. LAND OWNERSHIP

Does the applicant own the lands **FROM** which the right is being transferred? Yes No

If "No", provide the following information. For Temporary Transfers, also include a notarized statement granting consent to the transfer from each of the landowners:

Names of Current Landowner(s): _____
First Last

Address: _____
City State Zip

Does the applicant own the lands **TO** which the right is being transferred? Yes No

If "No", provide the following information:

Names of Receiving Landowner(s): _____
First Last

Address: _____
City State Zip

Check one of the following:

- The receiving landowner will be responsible for completion of the proposed changes after the final order is issued. All notices and correspondence should be sent to this landowner.
- The applicant will remain responsible for completion of changes. Notices and correspondence should continue to be sent to the applicant and applicant's agent.

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8. ATTACHMENTS

Check each of the following attachments included with this application. The application will be returned if all required attachments are not included.

<p>Form A – Evidence of Use Affidavits</p> <p><input type="checkbox"/> At least one Evidence of Use Affidavit documenting that the right has been used during the last five years or that the right is not subject to forfeiture under ORS 540.610 is attached. The affidavit provided must be the original, not a copy.</p> <p>Form B – Instream Water Right Transfer</p> <p><input type="checkbox"/> Required for instream transfers only.</p> <p>Map</p> <p><input type="checkbox"/> Permanent Water Right Transfer The map must be prepared by a Certified Water Right Examiner and meet the requirements of OAR 690-380-3100 unless a waiver has been granted. The map provided must be the original, not a copy.</p> <p><input checked="" type="checkbox"/> Permit Amendment, Temporary Transfer, or Other Application A map meeting the requirements of OAR 690-380-3100 must be included but need not be prepared by a Certified Water Right Examiner.</p> <p>Evidence of Lien Holder Notification</p> <p><input type="checkbox"/> Copies of the written notification of the proposed transfer provided by the applicant to each lien holder, unless the water right has been quit claimed.</p> <p>Recorded Deed</p> <p><input type="checkbox"/> Required for temporary transfers only.</p>	<p>Land Use Information Form:</p> <p><input type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> Not Required if all of the following are met:</p> <ul style="list-style-type: none"> ① In EFU zone or irrigation district, ② Change in place of use only, ③ No structural changes needed, including diversion works, delivery facilities, other structures, and ④ Irrigation only. <p>Water Well Reports/Well Logs:</p> <p><input checked="" type="checkbox"/> The application is for a change in point of appropriation or change from surface water to ground water and copies of all water well reports are attached.</p> <p><input type="checkbox"/> Water well reports are not available and a description of construction details including well depth, static water level, and information necessary to establish the ground water body developed or proposed to be developed is attached.</p> <p><input type="checkbox"/> The application is for a surface water transfer and water well reports are not required.</p> <p>Fees:</p> <p><input checked="" type="checkbox"/> Amount enclosed: \$ <u>350.00</u> See the Department's Fee Schedule at www.wrd.state.or.us or call (503) 986-0900.</p>
--	--

N/A

N/A

N/A

N/A

N/A

9. SIGNATURES

I (we) understand that prior to approval of a permanent transfer and after issuance of a draft preliminary determination by the Department, I (we) must submit:

- (1) A report on ownership and lien information prepared by a title company within the last three months if required under OAR 690-380-3000(18), and
- (2) If I (we) are not the landowners, proof that the landowner or entity to which the water right has been quitclaimed consents to the transfer or that ownership information is not required.

I (we) affirm that the information contained in this application is true and accurate.

	<u>1/14/05</u>
applicant signature Holly Marke White, Manager Parrett Mountain LLC	name (print) date
_____	_____
applicant signature	name (print)

- Before submitting your application, be sure you have:**
- Answered each question completely.
 - Included the required attachments.
 - Provided original signatures for all named deed holders or other parties with an interest in the right.
 - Included a check payable to the Oregon Water Resources Department for the appropriate amount.

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WATER RESOURCES DEPT
SALEM, OREGON

W. RICHARD VERBOORT - CIVIL ENGINEER
PLANNING - DESIGN - INSPECTION
CIVIL - WATER RESOURCES - AGRICULTURE
666 S.E. 36TH AVENUE, HILLSBORO, OR 97123
(503) 648-6180

WATER RESOURCES DEPARTMENT
725 SUMMER STREET NE SUITE 4
SALEM, OR 97301-1271
ATT: Patrick K. Starnes

January 5, 2005

Manke Lumber Company
Permit G-12114

Dear Mr. Starnes:

I am writing on behalf of the referenced client regarding an Application for Water Right Transfer for the referenced permit.

The application is for an ammendment to the permit to allow an additional point of appropriation. This letter is to be considered a part of the application form.

Please note the following items.

* The applicant and permittee should now be listed as Manke Lumber Company, dba Parrett Mountain, LLC. There is no change in ownership.

* Per our telephone conversation the following items listed under Item 8. Attachments, are not required and not included with the application. (Thanks for the heads up on this!)

- a. Evidence of Use Affidavit
- b. Recorded Deed
- c. Land Use Information Form

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WATER RESOURCES DEPT
SALEM, OREGON

* There is no lien holder so notification was not required.

WHAT IS PROPOSED

It is proposed to drill another well which will be the "additional point of appropriation". Two well sites are noted on the map HOWEVER it is intended to only drill one of these. The site noted as "proposed" is the closest to one of the existing wells and is expected to resolve the quantity problem. The alternate site will only be considered if something goes badly wrong during the drilling of the primary site.

WHY ANOTHER WELL IS NEEDED

Both of the existing wells have a 6"-diameter casing. Because it was necessary to install a liner in each of these wells the remaining opening is not large enough to get a big enough pump into the wells to provide the permitted amount of water.

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I have talked to the driller. He said that it would be more expensive to reconstruct one of the existing wells than to drill a new one. In addition, having the third well will allow the two existing wells to be available for temporary backup if something should happen to the new well or its pump/motor.

APPLICATION ITEMS

Item 3. Type of Change.


As noted under Describe the...Water System, two letters are attached that describe the basic system layout and its current status. The distribution system has not been shown on the application map as it is adequately described here.

Item 8. Attachments

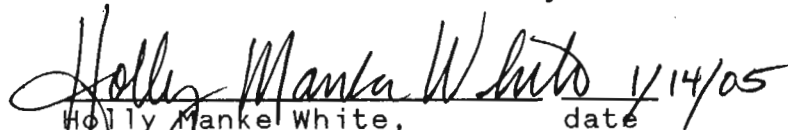
Well logs and step drawdown test data for the two permitted wells are attached.

Thank you for your phone assistance regarding this application. Please call or email at your early convenience if you or the groundwater section have any questions regarding the application.

Prepared by:


W. Richard Verboort, P.E.
Civil Engineer/CWRE

Approved by;

 1/14/05
Holly Manke White, date
Manager, Parrett Mountain, LLC

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SALEM, OREGON

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**SCHNEIDER
EQUIPMENT, INC.
AND DRILLING CO.**

COMPLETE WATER SYSTEMS
WELL DRILLING • PUMPS • CONTROLS
SALES & SERVICE

OR CCB No. 39265
WA General Contractor
No. SCHNEI *226LG

21881 River Road N.E., St. Paul, Oregon 97137
Phone (503) 633-2666 ♦ Fax (503) 633-2668

September 30, 2004

OR Water Resources Department
Water Rights Section
725 Summer Street NE, Suite A
Salem, OR 97301-1271

Attention: Lisa J. Juul

RE: Application File #G-13353 (Permit #G-12114)
Progress Report

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**WATERRESOURCESDEPT
SALEM, OREGON**

Dear Lisa:

This letter is in response to your notice by certified letter dated August 31, 2004 to Manke Lumber Co. regarding the progress report due for the above referenced water right. Schneider Equipment, Inc. is the contractually authorized operator of the Parrett Mountain View Estates Water System.

In reference to the amount of construction completed on the development of this project (Item 'a' of your letter), the State of Oregon Dept. of Human Resources, Health Division issued a letter of verification that the water system had been constructed in compliance with the plans and permits in January 2001. Testing for service connections was completed by March 31, 2001. The Washington County Health Department has issued a Public Water System Operating Number and operator certification for this water system as of August 25, 2003.

As for the amount of beneficial use currently being made under this water right (Item 'b' of your letter), there are currently 11 residential hook-ups, and a total of 66 projected hook-ups for this system upon completion of the water use development. All of the water use is for single family residences with less than ½ acre of landscape irrigation. The 11 connections represent 16.7% of the total system development and the total water used through this system for the water year of October 1, 2003 through September 15, 2004 was 4.59 million gallons. The water right permit is for 99 acre-feet per year or 32.26 million gallons per year. Based on the current year usage, the system is operating at 14.2.0% of the authorized appropriation.

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"Serving the water needs of the Northwest for over 50 years"

In compliance with the terms of the water right permit the static water levels for the two wells covered by this permit were taken by a licensed well constructor of Schneider Equipment, Inc., and sent to the Oregon Water Resource Department on the following dates and should have been received within one week of these dates listed:

Well #3 and Well #4 March 3, 2004

Well #3 and Well #4 March 6, 2003

Well #3 and Well #4 March 4, 2002

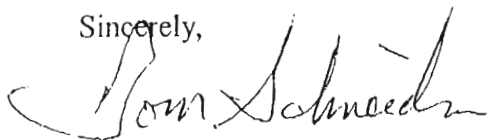
Jim Luzier of Luzier Hydrosociences submitted March static water levels to Oregon WRD for the years 1996 through 2001. Also the annual water usage reports with monthly breakdown for the years 2000-2001, 2001-2002, and 2002-2003 have been submitted, as per dates required, to the Oregon WRD in compliance with the permit conditions. The pump station located at Well #3, through which both wells pump into, has a McCrometer 4"propeller style flowmeter that records the total usage and the instantaneous flow rate. The maximum instantaneous flow rate into the system is restricted by the booster pump which has a maximum capacity of 130gpm only if the reservoir is empty, but under normal conditions operates at between 120 to 125gpm. The system is also equipped with an individual multi-jet type flowmeters to each individual lot. The lot service flowmeters are installed at the time of house construction and are used to facilitate monitoring of maximum allowable usage. The two wells covered by this permit (designated Well #3 and Well #4) were constructed in March of 1992 and met the construction and sealing standards specified by the then New Special Area Standards established for the Parrett Mountain area at that time.

The financial investment involved (Item 'd' of your letter) for the construction of the water system which includes the pumping equipment, over 4-miles of potable water lines, lot service lines, and the storage reservoir has amounted to just less than one million (\$1,000,000) dollars up through March of 2001. Additional monies for the upgrading of some service lines, etc. has been invested more recently, but for less than \$10,000. The cost to install flowmeters at each house is the responsibility of the homeowner.

Currently there are 35 of the 66 lots sold with an additional 24 of the lots in escrow. With this level of activity, the full beneficial use of the water right is expected to be completed by the October 1, 2007 final order date.

If you need further information regarding the progress on this water right permit, you may contact Tom Schneider or Kriss Schneider at our office number listed in the letterhead.

Sincerely,



Tom Schneider

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WATERRESOURCESDEPT
SALEM, OREGON

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MEMORANDUM

Job No.: MNK-01

TO: INTERESTED PARTIES

**FROM: KEN VALENTINE, P.E.
OREGON STATE REGISTERED CIVIL ENGINEER 50102
HARPER HOUF RIGHELLIS, INC.**

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**WATER RESOURCES DEPT
SALEM, OREGON**

DATE: JUNE 21, 2001

SUBJECT: PARRETT MOUNTAIN VIEW ESTATES COMMUNITY WATER SYSTEM

The Parrett Mountain View Estates Community Water System was designed by Harper Houf Righellis, Inc. (HHR); a civil engineering firm with extensive experience designing water systems. The water system was designed, constructed, and tested to the American Water Works Association Standards (AWWA); the same standards used by public water systems throughout the Portland Metro area.

The Parrett Mountain Community Water System consists of two wells, a storage reservoir, booster pump station, pressure-reducing vault, and pipe system. The mode of operation is to pump from well #4 to well #3 where the flows are combined and a booster pump is used to pump water to a reservoir above the site on Parrett Mountain Road. Water is distributed to the individual lots through a series of pipes ranging from two to six inches in diameter; depending on location. Due to the elevation difference between the reservoir and the lots a pressure-reducing vault was installed for the lots north of the Salmonberry/Labrousse Road Intersection. Rural community water systems are restricted to a six-inch maximum pipe size by the Portland Metro Boundary Commission, which resulted in the requirement that all residences either install a fire sprinkler system or an onsite reservoir (pool or pond) for fire protection. A fire truck connection was installed near the pressure-reducing vault to allow the Tualatin Valley Fire and Rescue Department to fill its pump trucks in the event of a fire in the area. The water rights allow for a pumping rate of 125-gallons per minute; which exceeds the anticipated system use.

This Parrett Mountain View Estates Community Water system was permitted through all the appropriate jurisdictions and the system was constructed and tested to be in compliance with the approved plans and permits. The following is a summary of the approval and ultimate certification process of the water system.

Water Rights were approved by the State of Oregon to use water from two wells in the Cedar Creek Basin for group domestic expanded service of 66 households. The permit was approved on June 30, 1995. Application No. G-13353, Permit No. G-12114.

The Portland Metropolitan Area Local Government Boundary Commission unanimously approved the allocation of service territory to Parrett Mountain View Estates for the creation of a community water system in 1997.

The State of Oregon Department of Human Resources Health Division approved the plans for construction of a community water system in July 1999. Plan Review #346-1999.

Biological tests were performed on the Parrett Mountain View Estates wells and found to be in compliance with State of Oregon drinking water standards in December 2000.

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Washington County Building Department approved the plans for construction of a 175,000-gallon potable water reservoir on Parrett Mountain Road in July 2000.

Washington County Building Department approved the plans for construction of the domestic water pump house in August 2000.

The State of Oregon Department of Human Resources Health Division issued a letter of verification that the water system had been constructed in compliance with the construction plans and permits in January 2001.

Ken Valentine, P.E.



EXPIRES: 08 / 30 / 02

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STATE OF OREGON
WATER WELL REPORT
(as required by ORS 637.760)

Wash 1366

MAR 12 1992

3S/LW/Fab
36704

WATER RESOURCES DEPT. LOCATION OF WELL by legal description:
Wash 1366

(1) OWNER:
Name Manke Lumber Co.
Address 1717 Marine View Dr.
City Tacoma State WA Zip 98422

County Wash. Latitude _____ Longitude _____
Township 3S Nor S. Range LW E or W. WM. _____
Section 7 NW NE _____
Tax Lot 3S17-00301 Block _____ Subdivision _____
Street Address of Well (or nearest address) 6/10 of a mile W. on Parrett Mt. Rd. from Ladd Hill Rd. on right.

(2) TYPE OF WORK:
 New Well Deepen Recondition Abandon

(3) DRILL METHOD
 Rotary Air Rotary Mud Cable
 Other _____

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Other Also for test purposes

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 573 ft.
Explosives used Type _____ Amount _____

(10) STATIC WATER LEVEL:
322 ft. below land surface. Date 3-9-92
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 405

HOLE		SEAL		Amount
Diameter	From To	Material	From To	sacks or pounds
10	0 220	Cement	0 220	30 cement
6	220 573			10 bent

From	To	Estimated Flow Rate	SWL
405	421	3 1/2 GPM	
454	485	@ 470 7 1/2 GPM	
490			

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 _____

(12) WELL LOG: Ground elevation _____

Diameter	From To	Gauge	Steel				Plastic		Welded		Threaded	
			Steel	Plastic	Welded	Threaded	Steel	Plastic	Welded	Threaded		
Casing 6	41 219	250	<input checked="" 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"/>	
Liner 4 1/2	0 573		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Material	From	To	SWL
Red dirt	0	18	
Yellow & brown clay	18	30	
Weathered Basalt brown & grey	30	36	
Fractured basalt	36	52	
Weathered basalt & fractured	52	72	
Basalt grey hard	72	82	
Basalt weathered medium	82	135	
Sandstone like Basalt & very weathered	135	185	
Basalt grey & brown hard	185	225	
Basalt weathered brown	225	230	
Basalt weathered grey	230	269	
Basalt grey hard	269	288	
Basalt weathered	288	306	
Basalt grey hard	306	344	
Basalt weathered	344	375	
Basalt grey hard	375	405	
Weathered basalt	405	421	H2O
Red & brown cinder	421	424	
Basalt weathered	424	427	
Basalt grey medium hard	427	454	
Basalt grey medium porous	454	485	H2O

Final location of sheet 219

(7) PERFORATIONS/SCREENS:
 Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Telo/plpe size	Casing	Liner
420	573	1/8x6	350	4 1/2		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Liner was placed in at customer's request for pump protection.

Continued on next page
Date started _____ Completed _____

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailor Air Flowing Artesian
Yield gal/min 50 Drawdown _____ Drill stem at _____ Time 1 hr.

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
Signed _____ WWC Number 723
Date 3/12/92

Temperature of water 13 c 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 _____
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. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
Signed _____ WWC Number 723
Date 3/12/92

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SALEM, OREGON

334' 9" static 10/16/98
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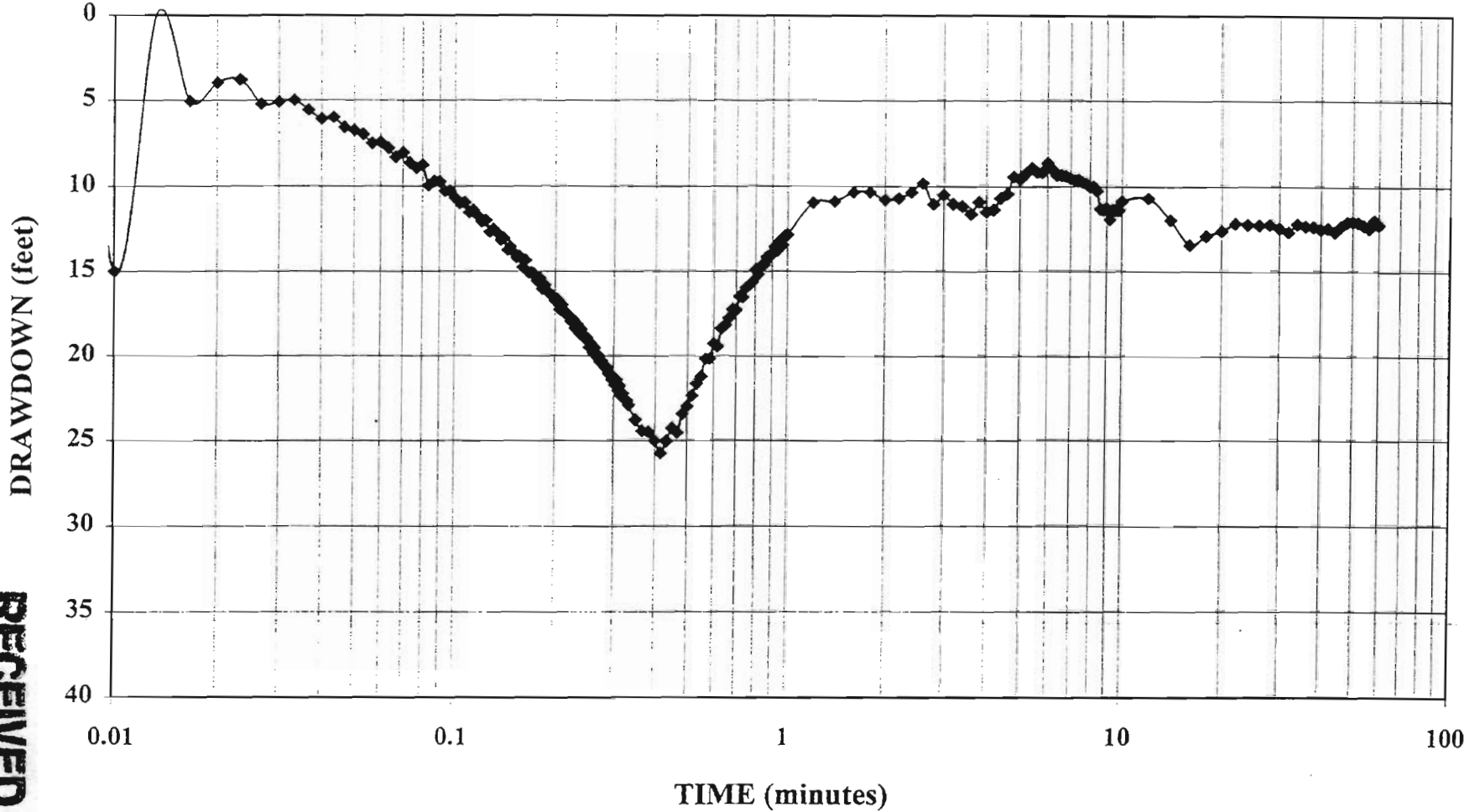
336' static 8/4/98 ~ 375' static
per Jan 1

Test Pump Se
405' Into

7-98550

MANKE WELL #3 STEP TEST

Step One @ 55 GPM



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SALEM, OREGON

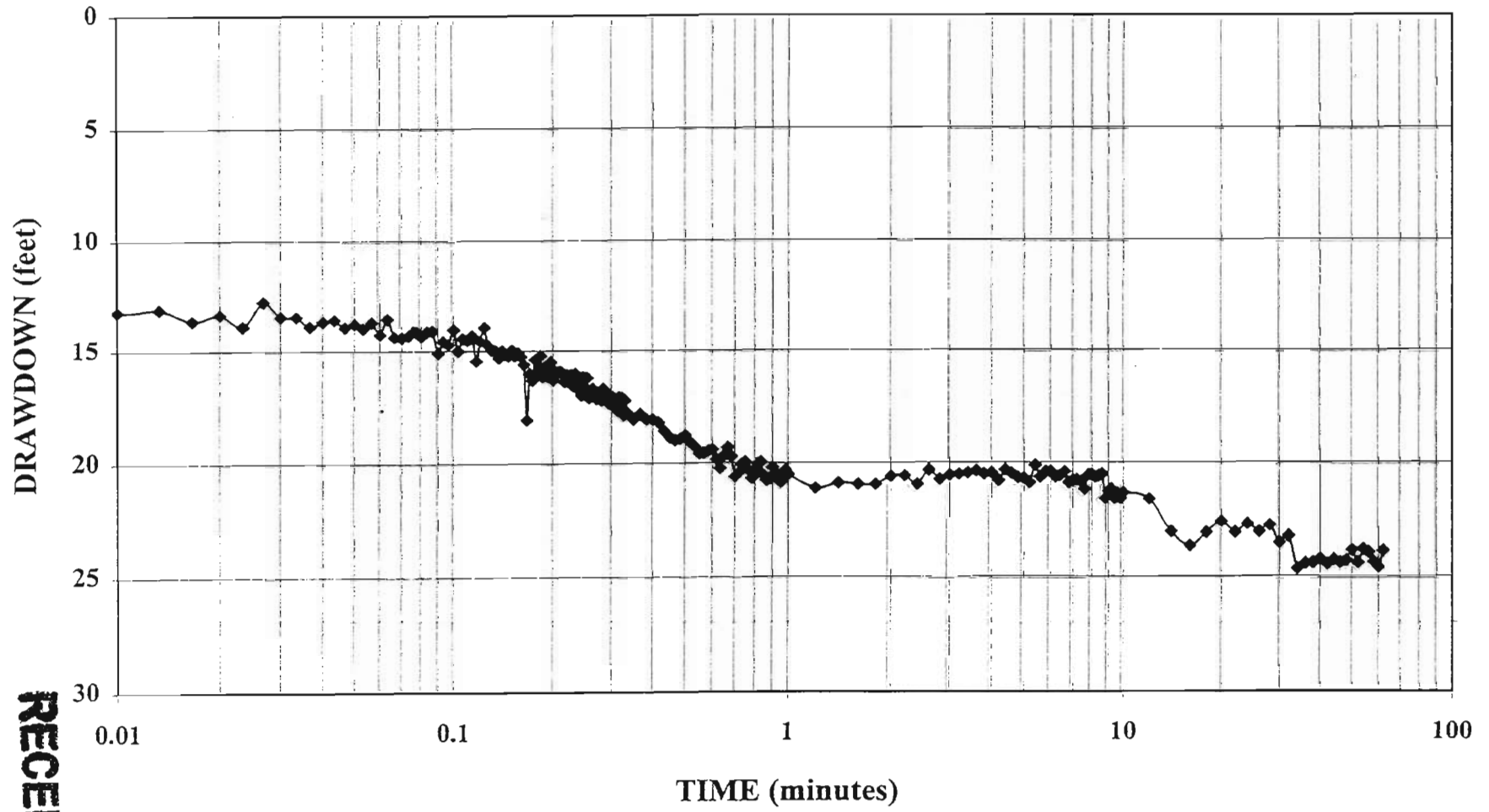
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MANKE WELL #3 STEP TEST

Step Two @ 95 GPM



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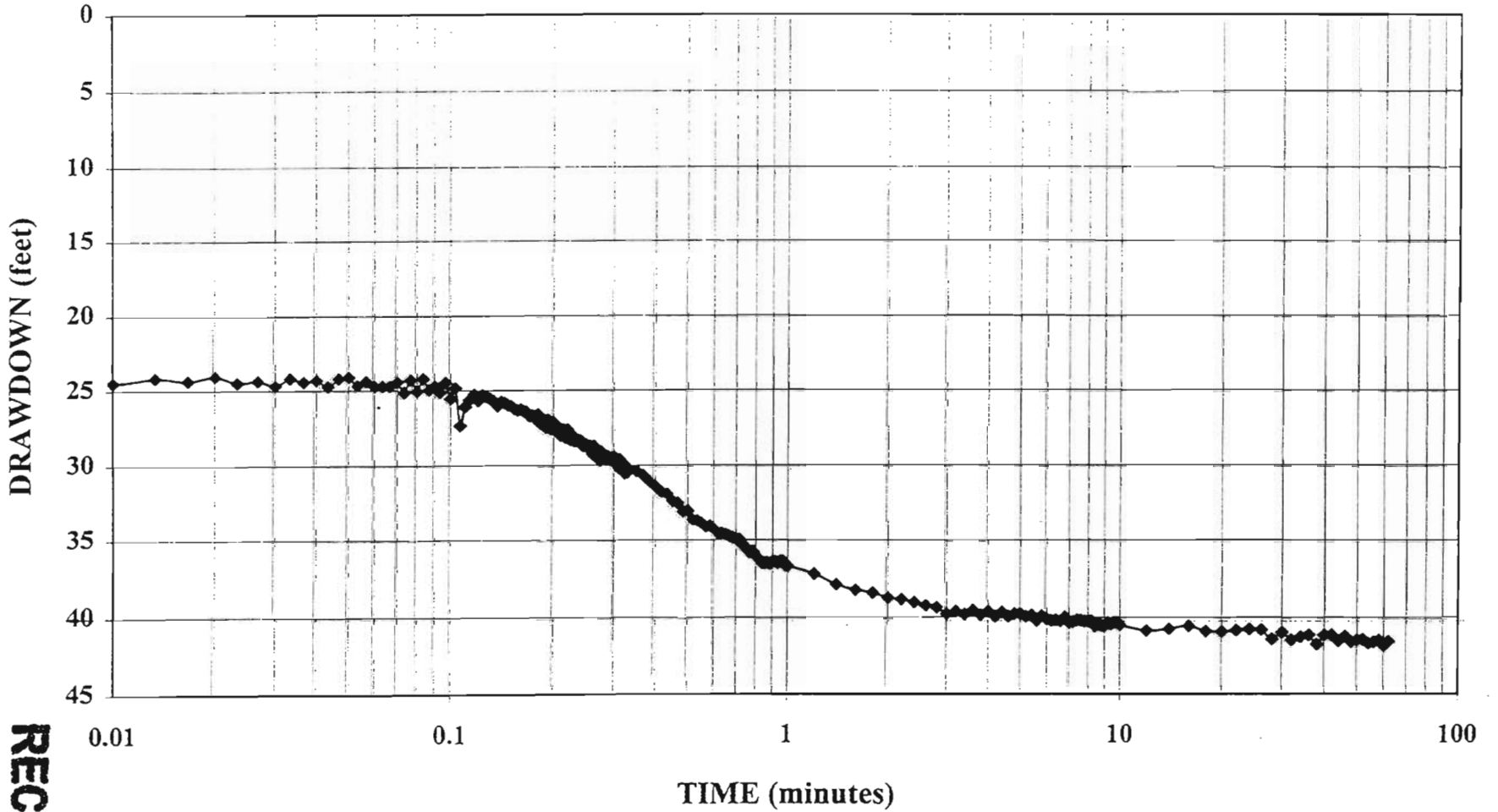
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MANKE WELL #3 STEP TEST

Step Three @ 155 GPM



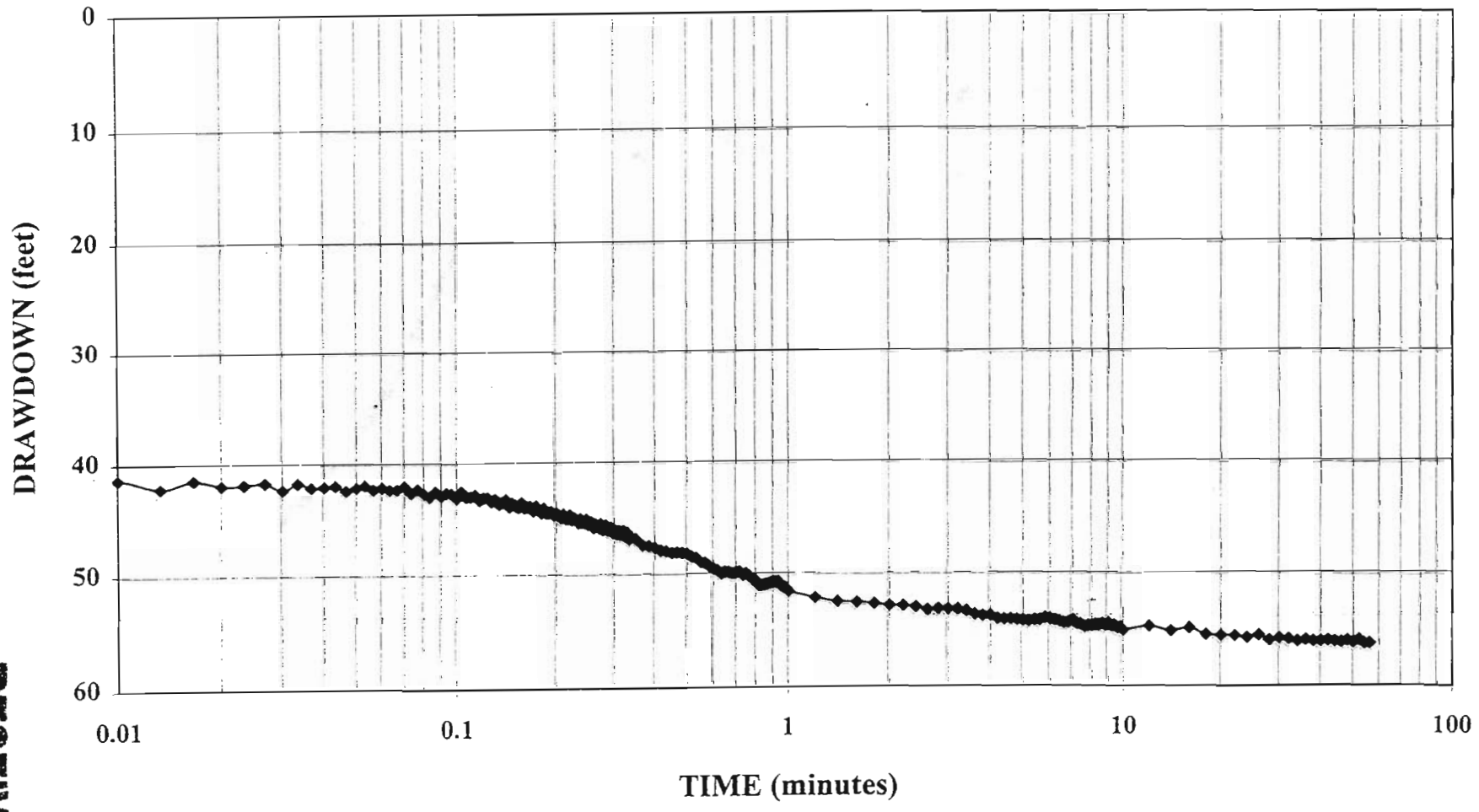
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T. 985-2

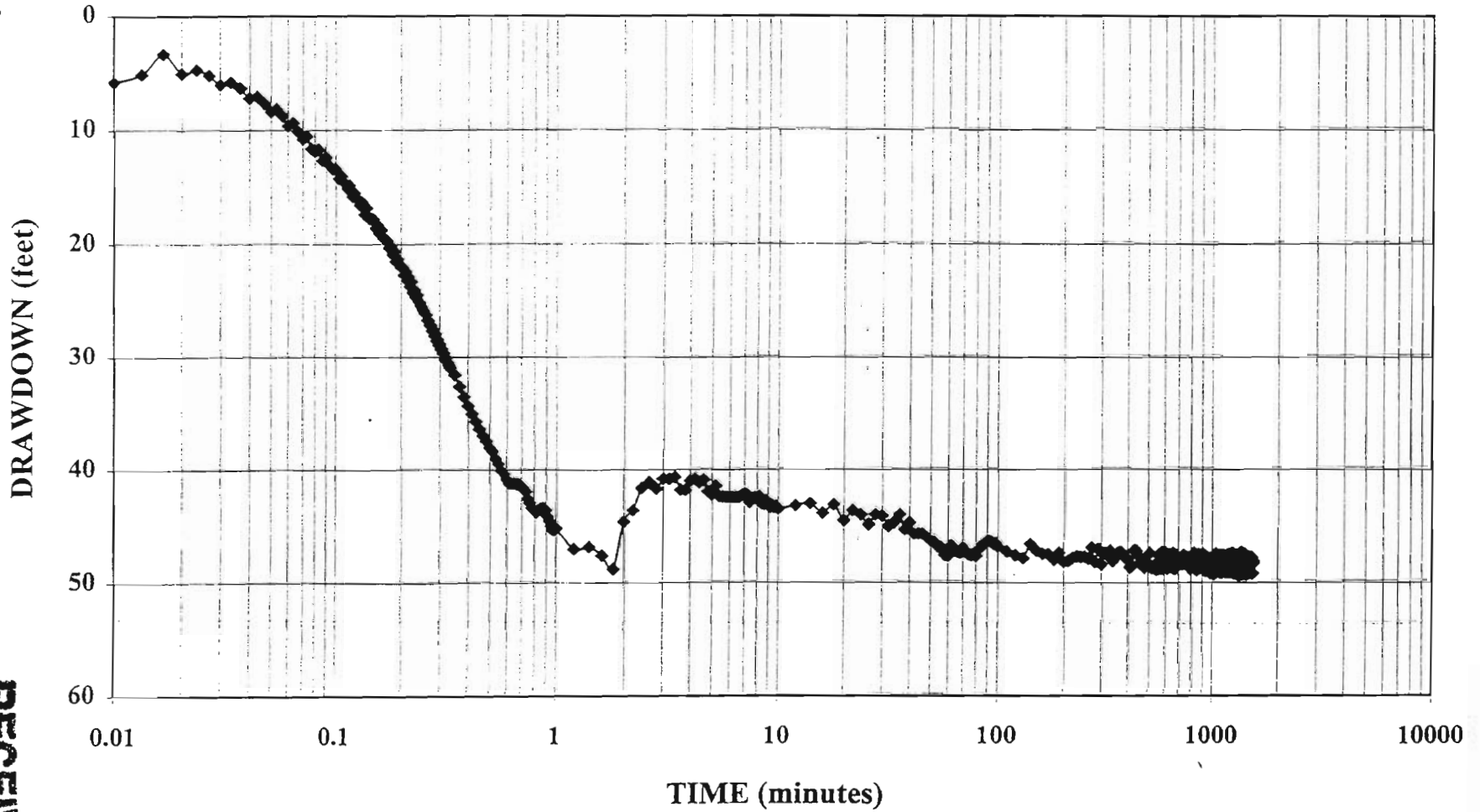
MANKE WELL #3 STEP TEST Step Four @ 190 GPM



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MANKE WELL #3 CONSTANT RATE TEST
10/20-21/98 @ 165 GPM

7-98550



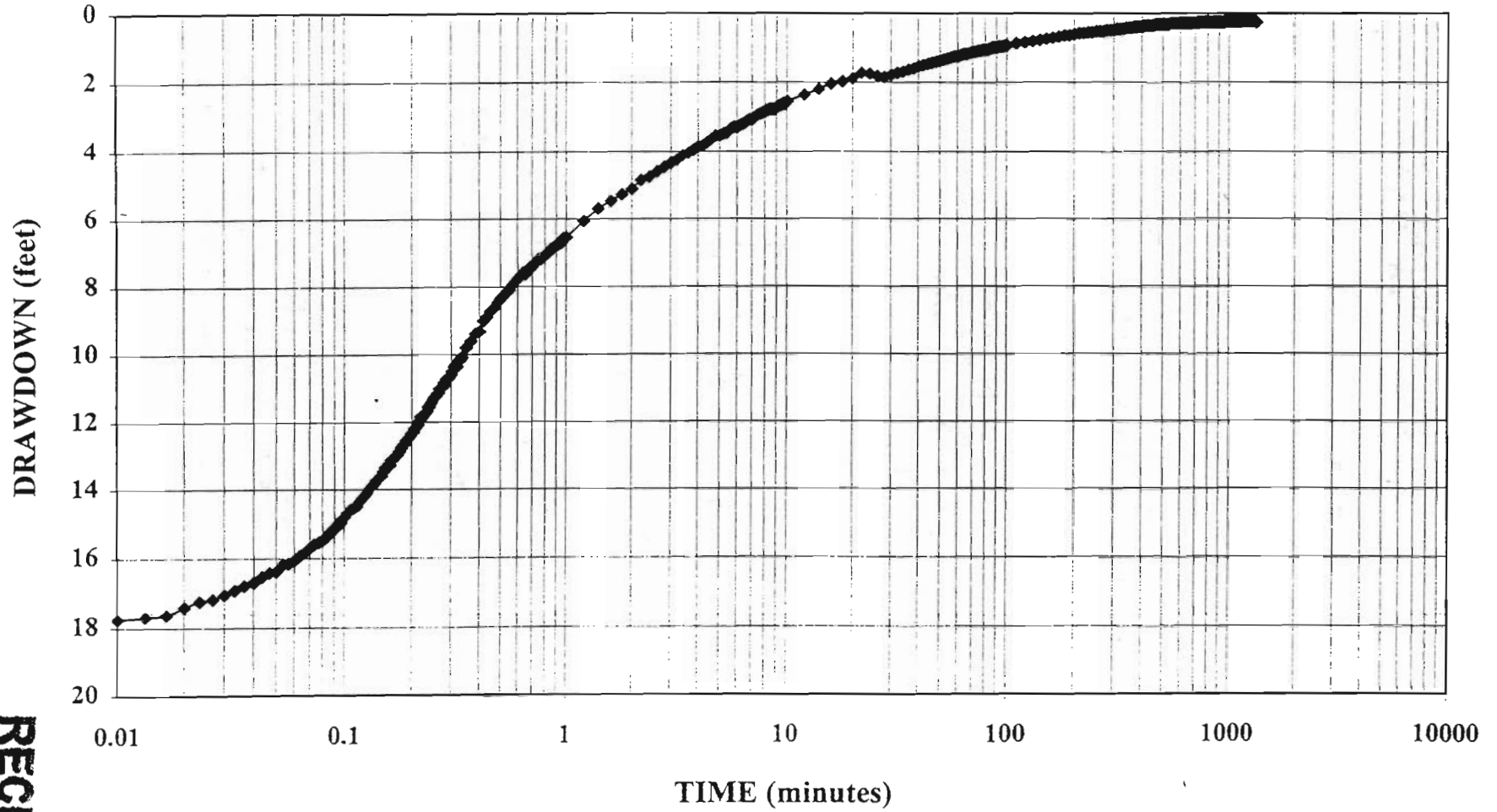
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JAN 18 2005

WATER RESOURCES DEPT
SALEM, OREGON

MANKE WELL #3 RECOVERY
from 165 GPM test

7-9850



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WATER RESOURCES DEPT
SALEM, OREGON

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 837.795)

Wash
1364

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MAR 12 1992

3s/1w/7bc

(START CARD) 1-36705

(1) OWNER:

Name Manke Lumber Company

Address 1717 Marino View Drive

City Tacoma State WA Zip 98422

Well Number: _____

WATER RESOURCES DEPT
SALEM, OREGON

County Washington Latitude _____ Longitude _____

Township 3 S Nor S. Range 1 W E or W. WM. _____

Section 7 SW 1/4 NW 1/4

Tax Lot 3517-00300 Block _____ Subdivision _____

Street Address of Well (or nearest address) 6/10 of a mile west on Parrett Mountain Rd. on right

(2) TYPE OF WORK:

New Well Deepen Reconditioning Abandon

(3) DRILL METHOD

Rotary Air Rotary Mud Cable

Other _____

(4) PROPOSED USE:

Domestic Community Industrial Irrigation

Thermal Injection Other also for test purposes

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes No Depth of Completed Well 650 ft

Explosives used Type _____ Amount _____

HOLE			SEAL			Amount sacks or pounds
Diameter	From	To	Material	From	To	
10	0	42	cement	0	42	20 sacks
8	42	400	cement	42	400	28 sacks
6	400	650				

How was seal placed: Method A B C D E

Other pumped from inside up annulus

Backfill placed from _____ to _____ Material _____

Gravel placed from _____ to _____ Size of gravel _____

(6) CASING/LINER:

Casing	Diameter	From	To	Gauge	Steel		Plastic	Welded	Threaded
					Yes	No			
	6"	+1	400	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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"/>
Liner	N/A				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of sheets _____

(7) PERFORATIONS/SCREENS: N/A

Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele./pipe size	Casing	Liner
						<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"/>

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

Pump Hailer Air Flowing
 Artesian

Yield gal/min	Drawdown	Drill stem at	Time
<u>37.22</u>		650	1 hr.

Temperature of water 61° Depth Artesian Flow Found _____

Was a water analysis done? Yes By whom _____

Did any strata contain water not suitable for intended use? Too little

Salty Muddy Odor Colored Other _____

Depth of strata: _____

(10) STATIC WATER LEVEL:

346 ft. below land surface. Date 3/12/92

Artesian pressure _____ lb. per square inch. DATE _____

(11) WATER BEARING ZONES:

Depth at which water was first found 348

From	To	Estimated Flow Rate	SWL
348	360	9 gpm	342
558	590	15 gpm	
597	613	7 gpm	

(12) WELL LOG:

Ground elevation _____

Material	From	To	SWL
Red clay	0	14	
Clay and broken rock	14	31	
Weathered basalt	31	190	
Basalt gray hard	190	222	
Basalt weathered	222	251	
Basalt gray harder	251	295	
Basalt gray hard w/rod	295	312	
Basalt gray hard	312	348	
Basalt weathered	348	360	5 gpm
Basalt gray hard	360	506	
Basalt lighter gray very hard	506	598	561
Basalt gray pourous	562	598	15 gpm
Basalt black med-hard	591	597	
Basalt gray med. pourous	597	625	
Basalt gray harder coarse grain	625	650	

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WATER RESOURCES DEPT
SALEM, OREGON

Date started _____ Completed _____

(unbonded) Water Well Constructor Certification:

I certify that the work performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

Signed _____ WWC Number 723
 Date 3/12/92

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

Signed _____ WWC Number 723
 Date 3/12/92

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT

SECOND COPY - CONSTRUCTOR

THIRD COPY - CUSTOMER

9809C X/88

T-9850

477-501

** 561 per Jim Helzer*

Well #4 Test 10/1/98

12:15 pm Start

12:39 pm 21 gpm

12:41 pm 525 ft + 1.92 = 526.92 ft Pumping level

12:44 pm 25 gpm

12:46 pm 525.85 ft

12:50 pm 25 gpm

12:53 pm 525.45 ft ph 7.5 T=14

1:09 pm 525.32 ft 5 gal in 12.5 sec

1:24 pm 525.53 ft

1:51 pm 525.71 ft 5 gal in 12.85 sec

2:16 pm Stop for recovery.

Pump Test Data above to low of flow to register on 4" flowmeter - checked flow into 5 gal bucket.

Also Transducer probe was not operational for pump test portion of test - readings are direct from static line. New probe was installed before recovery Test phase was started.

7.9850

RECEIVED

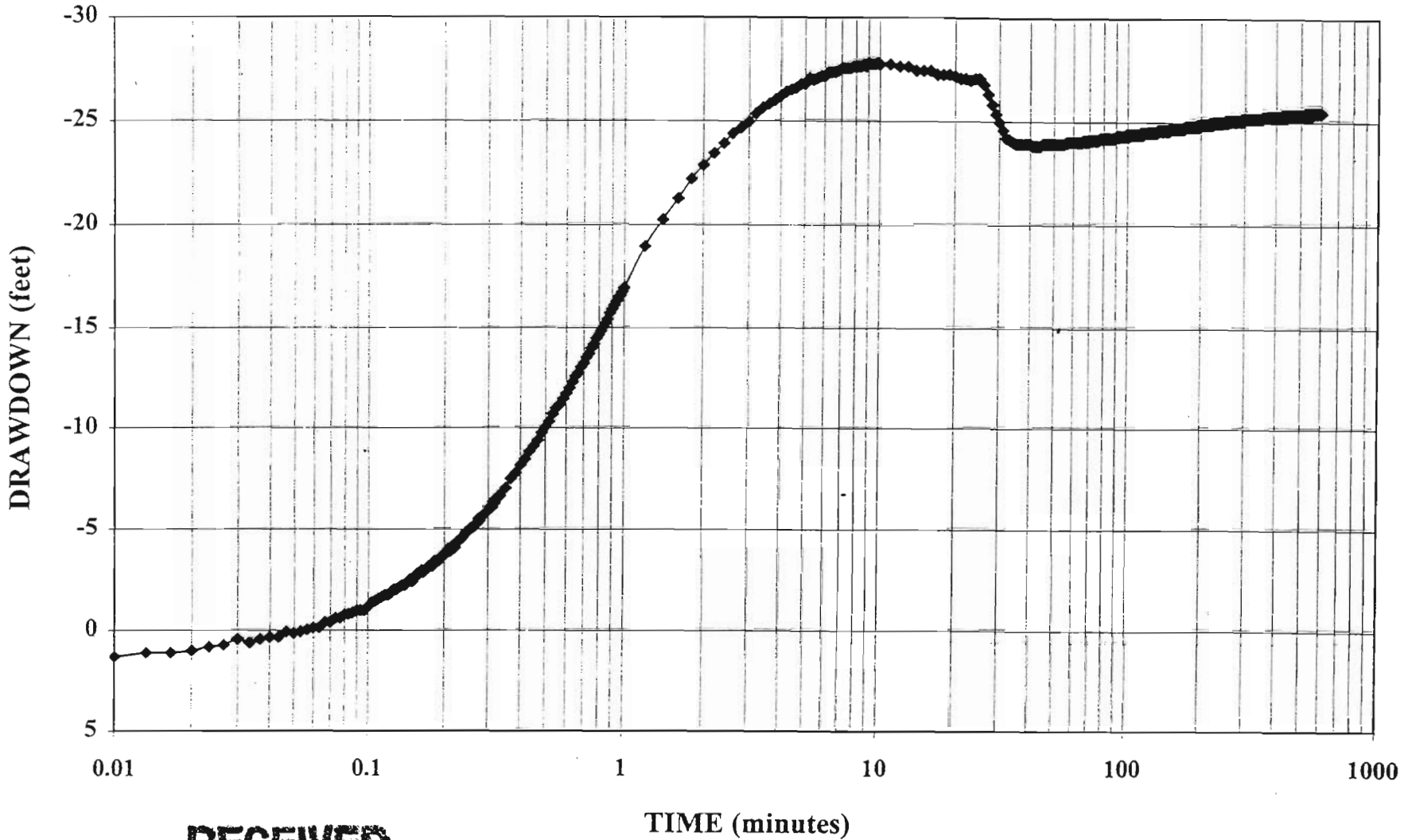
JAN 18 2005

WATER RESOURCES DEPT
SALEM, OREGON

MANKE LUMBER CO.

Well #4 Recovery after 10/1/98 25gpm Pump Test

0586-1



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JAN 18 2005

WATER RESOURCES DEPT
SALEM, OREGON



Oregon

Theodore R. Kulongoski, Governor

Water Resources Department

North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1266
503-986-0900
FAX 503-986-0904

July 17, 2007

Ms. Martha O. Pagel
Schwabe, Williamson & Wyatt
1011 Liberty St. SE
Salem, OR 97302

RE: Manke Questions, Permit G-12114

Dear Martha:

This letter is a follow-up to your questions from last week. I have had a chance to review the various materials and consult with agency staff.

Water Level Data/Regulation

In comparing the water level data submittals for 2006 and the March 1996 measurements as reference levels, the total decline is now less than 25 feet. The permit condition language speaks to a decline of 25 or more feet as being a trigger for use restriction. Other decline trigger provisions in the permit are also not exceeded at this time. Therefore, the permit holder is free to use water under the terms of the permit.

Here are some additional sidebar comments on water levels:

1. The measuring point corrections proposed in the Luzier report for prior years have been accepted by the Department. The tape stretch corrections for 2003, 2004, and 2005 for well 4 are not accepted by the Department. The direction of the correction is incorrect. Also, it seems unlikely that the tape would have the same stretch for three consecutive years. It seems best to take the measurements at face value rather than trying to correct them several years after the fact. We will appreciate an effort to provide better quality control in the future.
2. The transducer method of measurement and the lack of associated calibration documentation raise questions about the veracity of this year's measurements. In the future this manner of data collection will not be accepted. Our concerns and expectations regarding future measurements will be sent to the permit holder and their consultant in the near future.

Ms. Martha O. Pagel
July 17, 2006
Page 2

3. Only one of the permitted wells (well #4) was measured this year. An extrapolated water level was provided for well #3B based on this measurement. Well#3B is not yet on the permit. Well #3 was not measured. An assessment of the total decline in well #3 is based on an extrapolation of the reported water level for well #3B. In the future, measurements should be made at the authorized wells unless other arrangements have been made.

Luzier Report Comments

The purpose of the report seems to be to provide technical information for concluding that Sherwood and certain Manke wells are strongly tied. The administrative value of such a link is unclear since the Department continues to hold that Manke permit regulation need not consider the influence of outside well pumping on water levels at the Manke wells. The Sherwood wells may have an influence on water levels at the Manke wells under permit. However, the report is not conclusive on the strength of that connection.

I hope that this helps. I can be reached at 503.986.0845 if you have questions.

Sincerely,



Donn Miller
Hydrogeologist

cc: File G-13353
✓ File T-9850

**Oregon Water Resources Department
PERMIT CONDITION WATER-LEVEL REPORTING FORM**



RE: Required Water Level Measurements for a Well on your water right:

Application **G 13353** Permit **G 12114** Certificate Transfer

Pod 1

The well is listed as: WELL 3,

The well location is described as: In the NW quarter of the NW quarter of Section 7, Township 3.00S, Range 1.00W
2465 FEET NORTH & 1424 FEET EAST FROM W1/4 CORNER, SECTION 7

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MAY 15 2008

C/O JIM LUZIER
MANKE LUMBER CO
1717 MARINE VIEW DR
TACOMA WA 98422

WATER RESOURCES DEPT
SALEM, OREGON

Well History (if available):

Logid	Startcard	Type Work	Date	Depth
WASH 1366	36704	NEW WELL	03/09/1992	573
WASH 55096	102396	ALTERATION	08/17/1999	573
WASH 63802	168790	ALTERATION	03/14/2006	405

Our records indicate that you are the holder of a groundwater permit that requires that you periodically measure and report static water levels in your well(s). If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your permit 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). All wells that have been constructed must be measured regardless of whether they are being used, in accordance with your permit.

MEASUREMENT REPORT (Complete one form for each well.)

Well Identification (Please correct any errors. Provide as much information as possible for wells without an OWRD Well Log ID.)

OWRD Well Log ID: WASH 1366
 OWRD Site Name: MANKE #3
 Owners Site Name: MANKE WELL #3 (Indicate "Not yet drilled" if proposed)
 Well Tag on Well: L- Date drilled: 3/9/1992
 Well Tag on Well Log: L-33753 Total well depth (ft): 573
 Well drilled by: _____ Casing diameter (in): _____
 Owner on well log: MANKE LUMBER CO

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

Measuring point (MP) is 24" feet above / below (circle one) land surface.
 Description of measuring point (e.g. 1/2-inch access port in sub seal): _____

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)				
WASH 1366	3-26-08	338' 11"	336' 11"	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"/>

For airline measurements only: Airline pressure N/A psi Airline length _____ ft
 For flowing artesian wells only: Shut-in pressure N/A psi

Length of time well was idle prior to water-level measurement: + 24 hours

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): Kris Schneider
 Signature of measurer: [Signature]
 Company: Schneider Equip Inc
 License number (CWRE, RG, PE, WWC Pump Installer): 1578
 Daytime phone number: (503) 633-2666 Email address: _____

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 & Rept Section, 725 Summer St. NE, Suite. A, Salem, OR 97301-1271.

Additional forms can be obtained from our web sit at: <http://www.wrd.state.or.us> OWRD 2/21/2008 GW/KCW

Water Level Data on File at OWRD for this well (last 2 measurements only, most recent date on top) :

DATE	STATUS	METHOD	MP Height	WL BLS MEASURED BY	COMMENTS
09/27/2005	UNKNOWN	REPORTED	354.00	DRILLER	WASH 63802 ALTERATION LOG
03/17/2005	STATIC	AIRLINE	347.55	KRIS SCHNEIDER	IDLE 24+ HRS

**Oregon Water Resources Department
PERMIT CONDITION WATER-LEVEL REPORTING FORM**

✓
Pod 2

RE: Required Water Level Measurements for a Well on your water right:

Application **G 13353** Permit **G 12114** Certificate Transfer

The well is listed as: WELL 4,

The well location is described as: In the NW quarter of the NW quarter of Section 7, Township 3.00S, Range 1.00W
1412 FEET NORTH & 658 FEET EAST FROM W1/4 CORNER, SECTION 7

RECEIVED

MAY 15 2008

**WATER RESOURCES DEPT
SALEM, OREGON**

**C/O JIM LUZIER
MANKE LUMBER CO
1717 MARINE VIEW DR
TACOMA WA 98422**

Well History (if available):

Logid	Startcard	Type Work	Date	Depth
WASH 1364	36705	NEW WELL	03/12/1992	650

Our records indicate that you are the holder of a groundwater permit that requires that you periodically measure and report static water levels in your well(s). If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. Consult your permit 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). All wells that have been constructed must be measured regardless of whether they are being used, in accordance with your permit.

MEASUREMENT REPORT (Complete one form for each well.)

Well Identification (Please correct any errors. Provide as much information as possible for wells without an OWRD Well Log ID.)

OWRD Well Log ID: WASH 1364
 OWRD Site Name: _____
 Owners Site Name: MANKE WELL #4 (Indicate "Not yet drilled" if proposed)
 Well Tag on Well: L- Date drilled: 3/12/1992
 Well Tag on Well Log: L- Total well depth (ft): 650
 Well drilled by: _____ Casing diameter (in): _____
 Owner on well log: MANKE LUMBER COMPANY

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

Measuring point (MP) is 15" feet above / below (circle one) land surface.

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

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)				
WASH 1364	<u>3-26-08</u>	<u>481'</u>	<u>479' 9"</u>	static <input checked="" type="checkbox"/> pumping ___ rising ___ flowing ___	e-tape <input checked="" type="checkbox"/> airline ___ other ___

For airline measurements only: Airline pressure N/A psi Airline length _____ ft

For flowing artesian wells only: Shut-in pressure N/A psi

Length of time well was idle prior to water-level measurement: +24 hours

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): Kriss Schneider
 Signature of measurer: [Signature]
 Company: Schneider Equipment, Inc.
 License number (CWRE, RG, PE (WWC, Pump Installer): 1578
 Daytime phone number: 503-633-2664 Email address: _____

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 & Rept Section, 725 Summer St. NE, Suite. A, Salem, OR 97301-1271.

Additional forms can be obtained from our web sit at: <http://www.wrd.state.or.us> OWRD 2/21/2008 GW/KCW

Water Level Data on File at OWRD for this well (last 2 measurements only, most recent date on top) :

DATE	STATUS	METHOD	MP Height	WL BLS	MEASURED BY	COMMENTS
03/17/2005	STATIC	ETAPE	2.63	495.87	KRISS SCHNEIDER	IDLE 1+ MONTH
03/03/2004	STATIC	ETAPE	2.63	492.37	KRISS SCHNEIDER	IDLE 2+ MONTHS

Water Use Report

**MANKE LUMBER CO
1717 MARINE VIEW DR
TACOMA WA 98422**

Pod Id	Facility	Cert	Permit	Appl	Claim	Priority	Township	Range	Sctn	Use	Rate	Acre Feet	Source	Tributary To
36793	WELL #3		G 12114	G 13353		03/03/1993	3.0S	1.0W	7	GD	0.2785		WELL 3	CEDAR CR
36793	WELL #3		G 12114	G 13353		03/03/1993	3.0S	1.0W	7	GD	0.2785		WELL 3	CEDAR CR

Water Year	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2004	AFT	0.40049	0.19979	0.55977	0.45128	0.19963	0.40985	1.02624	1.16756	1.16142	3.47025	2.8286	2.25441
2003	AFT	0.69663	0.92864	2.2943	1.87816	0.56467	2.17277	0.12275	0.31916	1.37486	0.98204	1.36872	1.01887
2002	AFT	0.0	0.0	0.0	0.0	0.0	1.23968	0.0	0.0	0.0	0.0	0.0	0.61178
2001	AFT	0.0	0.0	0.05315	0.00291	0.0	0.0	0.44713	0.77075	0.50084	0.07549	0.05063	0.03952
2000	AFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Pod Id	Facility	Cert	Permit	Appl	Claim	Priority	Township	Range	Sctn	Use	Rate	Acre Feet	Source	Tributary To
36794	WELL #4		G 12114	G 13353		03/03/1993	3.0S	1.0W	7	GD	0.2785		WELL 4	CEDAR CR
36794	WELL #4		G 12114	G 13353		03/03/1993	3.0S	1.0W	7	GD	0.2785		WELL 4	CEDAR CR

Water Year	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2004	AFT	0.0	0.0	0.00123	0.0	0.00123	0.0	0.00123	0.0	0.0	0.0	0.00123	0.0
2003	AFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2002	AFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001	AFT	0.0	0.0	0.0065	0.0	0.0	0.0	0.12238	0.0181	0.11017	0.0	0.0	0.0
2000	AFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Permit Condition Water Level Input

OWRD Logid	Main aq	Max depth	Corr by	LSD Elev	Userid_lu	Township	Range	S QQ Q		
Well Info: WASH.....1366	Columbia River Basalt.....	573	KARL WOZNAK.....	506	28215	3.00 S/	1.00 W-	7 NW NW		
Well Location 2465 FEET NORTH & 1424 FEET EAST FROM W1/4 CORNER, SECTION 7										
Owner:				Permits listing well:			trigger			
Name	.....			pc	permit	cert_nbr	pod	pod_l_id	activated	ref level
Other Name	MANKE LUMBER CO.....			G		12114	1		YES	317.70
Contact	C/O JIM LUZIER.....									
Address	1717 MARINE VIEW DR.....									
City, St, Zip	TACOMA WA 98422.....									
Phone, FAX	503-636-1012.....									
Email	.....								
Comments	.....			43						

Logid	Source Org	SourceOWRD	Date	Time	MP Hght	Reprtd Wtr Lvl	Verified WL BLS	Export WL BLS	Method	Status	M
WASH	1366	DRILLER	PERMIT COND	03/09/1992		322		322.00	UNKNOWN	UNKNOWN	C
WASH	1366	RPG	PERMIT COND	03/30/1996	2.9	317.7	permit	317.70	ETAPE	STATIC	J
WASH	1366	RPG	PERMIT COND	03/28/1997	2.9	318.64		318.64	ETAPE	STATIC	J
WASH	1366	RPG	PERMIT COND	04/12/1998	2.9	323.76		323.76	ETAPE	STATIC	J
WASH	1366	RPG	PERMIT COND	04/06/1999	2.9	322.57		322.57	ETAPE	STATIC	J
WASH	1366	RPG	PERMIT COND	03/30/2000	2.9	328.07		328.07	ETAPE	STATIC	J
WASH	1366	OWRD	GWATER	03/28/2001	2.6	339		339.00	GAGE	STATIC	D
WASH	1366	RPG	PERMIT COND	04/08/2001	1.8	334.85		334.85	AIRLINE	STATIC	J
WASH	1366	DRILLER	PERMIT COND	03/04/2002		337.5	-	337.50	AIRLINE	STATIC	K
WASH	1366	DRILLER	PERMIT COND	03/06/2003		344.77		344.77	AIRLINE	STATIC	K
WASH	1366	DRILLER	PERMIT COND	03/03/2004		333.5		333.50	AIRLINE	STATIC	K
WASH	1366	DRILLER	PERMIT COND	03/17/2005		347.55		347.55	AIRLINE	STATIC	K

158.45' amsl

25' Trigger depth - 342.70 bls; 163.30 amsl

29.85' below initial
25' decline
4.85' below trigger depth

Oregon Water Resources Department Permit Condition Water Level Report

OWRD Logid	Main aq	Max depth	Corr by	LSD Elev	Userid	Township	Range	S	QQ	Q
WASH 1366	Columbia River Basalt	573	KARL WOZNAK	506	28215	3.00 S /	1.00 W -	7	NW	NW
Well Tag Log	33753	Well Tag Field	Csg Diam Field							
Well Location	2465 FEET NORTH & 1424 FEET EAST FROM W1/4 CORNER SECTION 7									
Well Address										
Owner Well Names	MANKE WELL #3									
Owner:										
Name										
Other Name	MANKE LUMBER CO									
Contact	C/O JIM LUZIER									
Address	1717 MARINE VIEW DR									
City / St / Zip	TACOMA WA 98422									
Ph Home / FAX	503-636-1012									
Ph Work / Call 1st										
Call Before Visit / Number										
Email										
Comments										

Well History:				Water Rights with reporting conditions that list this well:				
Logid	Compl Depth	Compl Date		Permit	Certificate	pod Transfer	Refer-ence level	Trigger activated?
WASH 1366	573	3/9/1992		G 12114		1 G 12114	317.70	YES
WASH 55096	573	8/17/1999						
WASH 63802	405	3/14/2006						

Date	Time	MP Hght	WL BLS	WL Elev	Method Code	Status Code	Measured By	Source Org	SourceOWRD	WIComments
06/07/1992		2.85	321.55	184.45	T	S	JIM LUZIER	CONSULTANT	PERMIT COND PRGRM	
07/07/1992		2.85	323.74	182.26	T	S	JIM LUZIER	CONSULTANT	PERMIT COND PRGRM	
07/10/1992		2.85	323.99	182.01	T	S	JIM LUZIER	CONSULTANT	PERMIT COND PRGRM	
07/11/1992		2.85	323.67	182.33	T	S	JIM LUZIER	CONSULTANT	PERMIT COND PRGRM	
07/12/1992		2.85	323.78	182.22	T	S	JIM LUZIER	CONSULTANT	PERMIT COND PRGRM	
09/15/1992		2.85	327.97	178.03	T	S	SARAH GATES/BB	OWRD	GWATER	
04/22/1993		2.85	318.95	187.05	V	S	SARAH GATES/MZ	OWRD	GWATER	
10/21/1993		2.85	322.23	183.77	T	S	SARAH GATES/MZ	OWRD	GWATER	
11/02/1994		2.85	329.59	176.41	V	S	DONN MILLER	OWRD	GWATER	
04/24/1995		2.85	317.55	188.45	V	S	DONN MILLER	OWRD	GWATER	
11/06/1995		2.85	329.44	176.56	V	S	DONN MILLER/MZ	OWRD	GWATER	
03/30/1996	12:32:00	2.85	317.22	188.78	T	S	JAMES F LUZIER	RPG	PERMIT COND PRGRM	IDLE 4 YRS 3/7
05/10/1996		2.85	316.27	189.73	V	S	SARAH GATES/KCW	OWRD	GWATER	
03/28/1997	14:39:00	2.85	318.69	187.31	T	S	JAMES F LUZIER	RPG	PERMIT COND PRGRM	IDLE 5 YRS
05/12/1997		2.85	317.79	188.21	V	S	DONN MILLER	OWRD	GWATER	
10/28/1997		2.85	332.51	173.49	V	S	DONN MILLER	OWRD	GWATER	
04/12/1998	15:01:00	2.85	323.81	182.19	T	S	JAMES F LUZIER	RPG	PERMIT COND PRGRM	IDLE 6 YRS
04/24/1998		2.85	323.88	182.12	V	S	DONN MILLER	OWRD	GWATER	
10/19/1998			332.00	174.00	R	U	DRILLER	OWRD	WELL LOG	WASH 55096 ALTERATION LOG
11/18/1998		2.85	337.44	168.56	V	S	DONN MILLER/JI	OWRD	GWATER	
04/06/1999	16:26:00	2.85	323.57	182.43	T	S	JAMES F LUZIER	RPG	PERMIT COND PRGRM	IDLE 5 MONTHS

Method Codes: A = Airline, T = Etape, V = Calibrated Etape, G = Uncalibrated Gage, H = Calibrated Gage, N - Not Measured, O = Observed, RA = Recorder Analog, RS = Recorder Shaft Encoder, RT = Recorder Transducer, R = Reported, S = Steel Tape, U = Unknown

Status Codes: D = Dry, A = Falling, F = Flowing, P = Pumping, R = Rising, S = Static, U = Unknown

Oregon Water Resources Department Permit Condition Water Level Report

OWRD Logid	Main aq	Max depth	Corr by	LSD Elev	Userid	Township	Range	S	QQ	Q	
WASH 1366	Columbia River Basalt	573	KARL WOZNAK	506	28215	3.00 S /	1.00 W -	7	NW	NW	
Well Tag Log	33753	Well Tag Field	Csg Diam Field								
Well Location	2465 FEET NORTH & 1424 FEET EAST FROM W1/4 CORNER SECTION 7										
Well Address											
Owner Well Names	MANKE WELL #3										
Owner:			Well History:			Water Rights with reporting conditions that list this well:					
Name			Logid	Compl Depth	Compl Date	Permit	Certificate	pod	Transfer	Refer-ence level	Trigger activated?
Other Name	MANKE LUMBER CO		WASH 1366	573	3/9/1992	G 12114		1	G 12114	317.70	YES
Contact	C/O JIM LUZIER		WASH 55096	573	8/17/1999						
Address	1717 MARINE VIEW DR		WASH 63802	405	3/14/2006						
City / St / Zip	TACOMA WA 98422										
Ph Home / FAX	503-636-1012										
Ph Work / Call 1st											
Call Before Visit / Number											
Email											
Comments											

Date	Time	MP Hght	WL BLS	WL Elev	Method Code	Status Code	Measured By	Source Org	SourceOWRD	WIComments
04/26/1999		2.85	322.72	183.28	V	S	DONN MILLER	OWRD	GWATER	
11/18/1999		2.85	337.69	168.31	V	S	DONN MILLER/II	OWRD	GWATER	
03/31/2000	15:41:00	2.85	329.07	176.93	T	S	JIM LUZIER	RPG	PERMIT COND PRGRM	
05/03/2000		2.85	327.74	178.26	V	S	DONN MILLER	OWRD	GWATER	
03/28/2001		2.6	339.00	167.00	H	S	DONN MILLER	OWRD	GWATER	OWRD GAGE/H
04/08/2001	17:32:00		338.67	167.33	A	S	JAMES E LUZIER	RPG	PERMIT COND PRGRM	IDLE APPROX 4 DAYS
03/04/2002			337.50	168.50	A	S	KRISS SCHNEIDER	DRILLER	PERMIT COND PRGRM	IDLE 2+ MONTHS
03/06/2003			344.77	161.23	A	S	KRISS SCHNEIDER	DRILLER	PERMIT COND PRGRM	IDLE 24 HRS
03/03/2004			333.50	172.50	A	S	KRISS SCHNEIDER	DRILLER	PERMIT COND PRGRM	IDLE 2+ MONTHS
03/17/2005			347.55	158.45	A	S	KRISS SCHNEIDER	DRILLER	PERMIT COND PRGRM	IDLE 24+ HRS
09/27/2005			354.00	152.00	R	U	DRILLER	OWRD	WELL LOG	WASH 63802 ALTERATION LOG
03/26/2008		24	336.92	169.08	T	S	Kriss Schneider	OWNER	PERMIT COND PRGRM	idle 24 hours

342.7 163.00

Method Codes: A = Airline, T = Etape, V = Calibrated Etape, G = Uncalibrated Gage, H = Calibrated Gage, N - Not Measured, O = Observed, RA = Recorder Analog, RS = Recorder Shaft Encoder, RT = Recorder Transducer, R = Reported, S = Steel Tape, U = Unknown

Status Codes: D = Dry, A = Falling, F = Flowing, P = Pumping, R = Rising, S = Static, U = Unknown

Permit Condition Water Level Input

Well Info: OWRD Logid: WASH 1364 Main aq: Columbia River Basalt Max depth: 650 Corr by: KARL WOZNAK LSD Elev: 659 Userid_lu: 28215 Township: 3.00 S/ Range: 1.00 W- S QQ Q: 7 NW. NW.

Well Location: 1412 FEET NORTH & 658 FEET EAST FROM W 1/4 CORNER, SECTION 7

Owner:

Name: _____
 Other Name: MANKE LUMBER CO
 Contact: C/O JIM LUZIER
 Address: 1717 MARINE VIEW DR
 City, St, Zip: TACOMA WA 98422
 Phone, FAX: 503-636-1012
 Email: _____
 Comments: _____

Permits listing well:

pc	permit	cert_nbr	pod	pod_l_id	trigger activated	ref level
G	12114		2		YES	468.03

#4

Logid	Source Org	Source	OWRD	Date	Time	MP Hght	Reprtd Wtr Lvl	Verified WL BLS	Export WL BLS	Method	Status	M
WASH 1364	DRILLER	PERMIT COND	03/12/1992				474.5		474.50	UNKNOWN	UNKNOWN	C
WASH 1364	RPG	PERMIT COND	03/30/1996			2.6	468.03		468.03	ETAPE	STATIC	J
WASH 1364	RPG	PERMIT COND	03/28/1997			2.6	469.70		469.70	ETAPE	STATIC	J
WASH 1364	RPG	PERMIT COND	04/17/1998			2.6	474.57		474.57	ETAPE	STATIC	J
WASH 1364	RPG	PERMIT COND	04/06/1999			2.6	474.25		474.25	ETAPE	STATIC	J
WASH 1364	RPG	PERMIT COND	03/31/2000			2.6	479.84		479.84	ETAPE	STATIC	J
WASH 1364	RPG	PERMIT COND	04/08/2001			1	492.03		492.03	ETAPE	STATIC	J
WASH 1364	DRILLER	PERMIT COND	03/04/2002			1.25	490.33	estimated	490.33	ETAPE	STATIC	K
WASH 1364	DRILLER	PERMIT COND	03/06/2003			1	493.5		493.50	ETAPE	STATIC	K
WASH 1364	DRILLER	PERMIT COND	03/03/2004			1.08	493.92		493.92	ETAPE	STATIC	K
WASH 1364	DRILLER	PERMIT COND	03/17/2005			1.0	497.5		497.50	ETAPE	UNKNOWN	K

→ 161.50' amsl

25' Trigger depth - 493.03 bLS ; 165.97 amsl

29.47' below initial lev
25.1' decline cond.

4.47' below trigger depth

page 1 of 2

Oregon Water Resources Department Permit Condition Water Level Report

OWRD Logid	Main aq	Max depth	Corr by	LSD Elev	Userid	Township	Range	S	QQ	Q	
WASH 1364	Columbia River Basalt	650	KARL WOZNIAK	659	28215	3.00 S /	1.00 W -	7	NW	NW	
Well Tag Log	Well Tag Field	Csg Diam Field									
Well Location 1412 FEET NORTH & 658 FEET EAST FROM W1/4 CORNER SECTION 7											
Well Address											
Owner Well Names MANKE WELL #4											
Owner:			Well History:			Water Rights with reporting conditions that list this well:					
Name			Logid	Compl Depth	Compl Date	Permit	Certificate	pod Transfer	pod loc id	Refer-ence level	Trigger activated?
Other Name	MANKE LUMBER CO		WASH 1364	650	3/12/1992	G 12114		2 G 12114		468.03	YES
Contact	C/O JIM LUZIER										
Address	1717 MARINE VIEW DR										
City / St / Zip	TACOMA WA 98422										
Ph Home / FAX	503-636-1012										
Ph Work / Call 1st											
Call Before Visit / Number											
Email											
Comments											

Date	Time	MP Hght	WL BLS	WL Elev	Method Code	Status Code	Measured By	Source Org	SourceOWRD	WIComments
03/15/1992		2.72	469.88	189.12	T	S	JIM LUZIER	CONSULTANT	PERMIT COND PRGRM	
06/07/1992		2.72	472.17	186.83	T	S	JIM LUZIER	CONSULTANT	PERMIT COND PRGRM	
06/29/1992			474.30	184.70	T	S	SARAH GATES/MAN	OWRD	GWATER	
09/25/1992			479.34	179.66	T	S	SARAH GATES/MM	OWRD	GWATER	
04/22/1993		2.72	470.24	188.76	V	S	SARAH GATES/MZ	OWRD	GWATER	
10/21/1993		2.72	473.20	185.80	T	S	SARAH GATES/MZ	OWRD	GWATER	
11/02/1994		2.72	480.55	178.45	V	S	DONN MILLER	OWRD	GWATER	
04/24/1995		2.72	468.48	190.52	V	S	DONN MILLER	OWRD	GWATER	
11/06/1995		2.72	480.26	178.74	V	S	DONN MILLER/MZ	OWRD	GWATER	
03/30/1996	13:50:00	2.72	467.91	191.09	T	S	JAMES F LUZIER	RPG	PERMIT COND PRGRM	IDLE 4 YRS
05/10/1996		2.72	466.86	192.14	V	S	SARAH GATES/KCW	OWRD	GWATER	
10/31/1996		2.72	480.68	178.32	V	S	SARAH GATES/MAN	OWRD	GWATER	
03/28/1997	14:02:00	2.72	469.58	189.42	T	S	JAMES F LUZIER	RPG	PERMIT COND PRGRM	IDLE 5 YRS
04/17/1998		2.72	474.75	184.25	V	S	DONN MILLER/JL	OWRD	GWATER	IDLE 6 YRS PER JL
04/17/1998	17:00:00	2.72	474.57	184.43	T	S	JAMES F LUZIER	RPG	PERMIT COND PRGRM	IDLE 6 YRS
11/18/1998		2.72	488.11	170.89	V	S	DONN MILLER/JL	OWRD	GWATER	
04/06/1999	15:51:00	2.72	474.25	184.75	T	S	JAMES F LUZIER	RPG	PERMIT COND PRGRM	IDLE 5 MONTHS
04/26/1999		2.72	473.59	185.41	V	S	DONN MILLER	OWRD	GWATER	PUMP INSTALLED JAN 2000
03/31/2000		2.72	479.84	179.16	T	S	JAMES F LUZIER	RPG	PERMIT COND PRGRM	
04/08/2001		2.63	489.40	169.60	T	S	JAMES F LUZIER	RPG	PERMIT COND PRGRM	IDLE ~4 DAYS USE BEGINS APR 2001
03/04/2002		2.63	488.95	170.05	T	S	KRISS SCHNEIDER	DRILLER	PERMIT COND PRGRM	IDLE 2+ MONTHS

Method Codes: A = Airline, T = Etape, V = Calibrated Etape, G = Uncalibrated Gage, H = Calibrated Gage, N - Not Measured, O = Observed, RA = Recorder Analog, RS = Recorder Shaft Encoder, RT = Recorder Transducer, R = Reported, S = Steel Tape, U = Unknown

Status Codes: D = Dry, A = Falling, F = Flowing, P = Pumping, R = Rising, S = Static, U = Unknown

Oregon Water Resources Department Permit Condition Water Level Report

OWRD Logid	Main aq	Max depth	Corr by	LSD Elev	Userid	Township	Range	S	QQ	Q			
<u>WASH</u> <u>1364</u>	<u>Columbia River Basalt</u>	<u>650</u>	<u>KARL WOZNIAK</u>	<u>659</u>	<u>28215</u>	<u>3.00 S</u>	<u>1.00 W</u>	<u>7</u>	<u>NW</u>	<u>NW</u>			
Well Tag Log _____	Well Tag Field _____	Csg Diam Field _____											
Well Location <u>1412 FEET NORTH & 658 FEET EAST FROM W1/4 CORNER SECTION 7</u>													
Well Address _____													
Owner Well Names <u>MANKE WELL #4</u>													
Owner:			Well History:			Water Rights with reporting conditions that list this well:							
Name _____	Other Name <u>MANKE LUMBER CO</u>		Logid	Compl Depth	Compl Date	Permit	Certificate	pod Transfer	Refer-ence level	Trigger activated?			
Contact <u>C/O JIM LUZIER</u>	Address <u>1717 MARINE VIEW DR</u>		<u>WASH</u>	<u>1364</u>	<u>650</u>	<u>3/12/1992</u>	<u>G</u>	<u>12114</u>	<u>2</u>	<u>G</u>	<u>12114</u>	<u>468.03</u>	<u>YES</u>
City / St / Zip <u>TACOMA WA 98422</u>	Ph Home / FAX <u>503-636-1012</u>												
Ph Work / Call 1st _____	Call Before Visit / Number _____												
Email _____													
Comments _____													

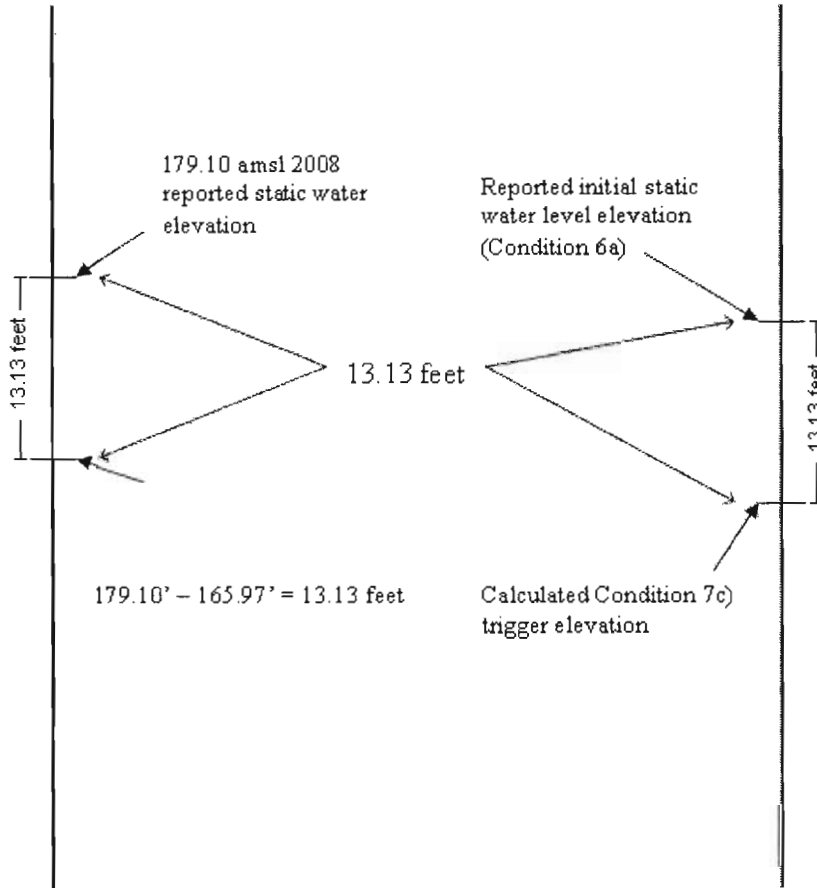
Date	Time	MP Hght	WL BLS	WL Elev	Method Code	Status Code	Measured By	Source Org	SourceOWRD	WIComments
<u>03/06/2003</u>		<u>2.63</u>	<u>491.87</u>	<u>167.13</u>	<u>T</u>	<u>S</u>	<u>KRISS SCHNEIDER</u>	<u>DRILLER</u>	<u>PERMIT COND PRGRM</u>	<u>IDLE 2+ MONTHS</u>
<u>03/03/2004</u>		<u>2.63</u>	<u>492.37</u>	<u>166.63</u>	<u>T</u>	<u>S</u>	<u>KRISS SCHNEIDER</u>	<u>DRILLER</u>	<u>PERMIT COND PRGRM</u>	<u>IDLE 2+ MONTHS</u>
<u>03/17/2005</u>		<u>2.63</u>	<u>495.87</u>	<u>163.13</u>	<u>T</u>	<u>S</u>	<u>KRISS SCHNEIDER</u>	<u>DRILLER</u>	<u>PERMIT COND PRGRM</u>	<u>IDLE 1+ MONTH</u>
<u>03/26/2008</u>		<u>15</u>	<u>479.90</u>	<u>179.10</u>	<u>T</u>	<u>S</u>	<u>Kriss Schneider</u>	<u>OWNER</u>	<u>PERMIT COND PRGRM</u>	<u>idle 24 hours</u>

Method Codes: A = Airline, T = Etape, V = Calibrated Etape, G = Uncalibrated Gage, H = Calibrated Gage, N - Not Measured, O = Observed, RA = Recorder Analog, RS = Recorder Shaft Encoder, RT = Recorder Transducer, R = Reported, S = Steel Tape, U = Unknown

Status Codes: D = Dry, A = Falling, F = Flowing, P = Pumping, R = Rising, S = Static, U = Unknown

Well 4

Proposed Well(s)



STATE OF OREGON
COUNTY OF WASHINGTON

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

MANKE LUMBER COMPANY
1717 MARINE VIEW DRIVE
TACOMA, WASHINGTON 98422

(206) 842-4954

to use the waters of TWO WELLS in the CEDAR CREEK BASIN for GROUP DOMESTIC EXPANDED FOR 66 HOUSEHOLDS.

This permit is issued approving Application G-13353. The date of priority is MARCH 3, 1993. The use is limited to not more than 125 GALLONS PER MINUTE, or its equivalent in case of rotation, measured at the wells. Use of water under this permit is limited to no more than 99 acre-feet per year. The applicant shall report to the Department no later than April 15, of each year the total duty of water used the previous calendar year. These reports shall indicate the number of acre-feet used each month. This information shall also be made available to the Watermaster upon reasonable notice.

The wells are located as follows:

NW 1/4 NW 1/4, SECTION 7, T 3 S, R 1 W, W.M.; WELL 3 - 2465 FEET NORTH AND 1424 FEET EAST, WELL 4 - 1412 FEET NORTH AND 658 EAST, BOTH FROM THE W 1/4 CORNER OF SECTION 7.

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

A description of the proposed place of use under this permit is as follows:

NW 1/4 NW 1/4
SW 1/4 NW 1/4
SE 1/4 NW 1/4
SECTION 7
TOWNSHIP 3 SOUTH, RANGE 1 WEST, W.M.

NE 1/4 SE 1/4
NW 1/4 SE 1/4
SECTION 12
TOWNSHIP 3 SOUTH, RANGE 2 WEST, W.M.

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.

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, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director.

T-9850

Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

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

The water user shall report a March static water level in the well(s) to the Groundwater/Hydrology Section of the Water Resources Department by April 15 of each year. The measurement shall be made and calculations detailed by a certified water rights examiner, registered professional geologist, certified engineering geologist, professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board or the permittee/appropriator. Measurements and calculations shall be provided to the Department on forms provided by the Department and shall be certified as to their accuracy by the individual making the measurements.

Use of water from the well(s) shall not be allowed if the well(s) displays an (A) average water level decline of 3 or more feet per year for 5 consecutive years, or (B) a water level decline of 15 or more feet in fewer than 5 consecutive years, or (C) a water level decline of 25 or more feet, or (D) a hydraulic interference decline of 25 or more feet in any neighboring well with senior priority which provides water for an authorized use.

The Water Resources Department has determined that the initial water level in the well(s) are those of the initial March report. That is the level from which the cited declines in (A), (B) and (C) above will be referenced.

The wells shall be properly cased and sealed to a depth of at least 300 feet above mean sea level.

(A static water level measurement shall be made and submitted before any use of water may commence at the wells.

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.

Actual construction work shall begin on or before June 30, 1996 and shall be completed on or before October 1, 1998. Complete application of water shall be made on or before October 1, 1999.

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

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


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

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

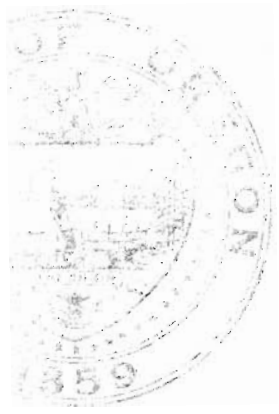
What does this mean?

The Water Resources Commission has found that the proposed use of water described by this permit, as conditioned, will not impair or be detrimental to the public interest on April 6, 1995.

Issued this date, June 30, 1995


Water Resources Department
for Martha O. Pagel
Director

complete construction
Bφ2
Cφ7 full bone. use

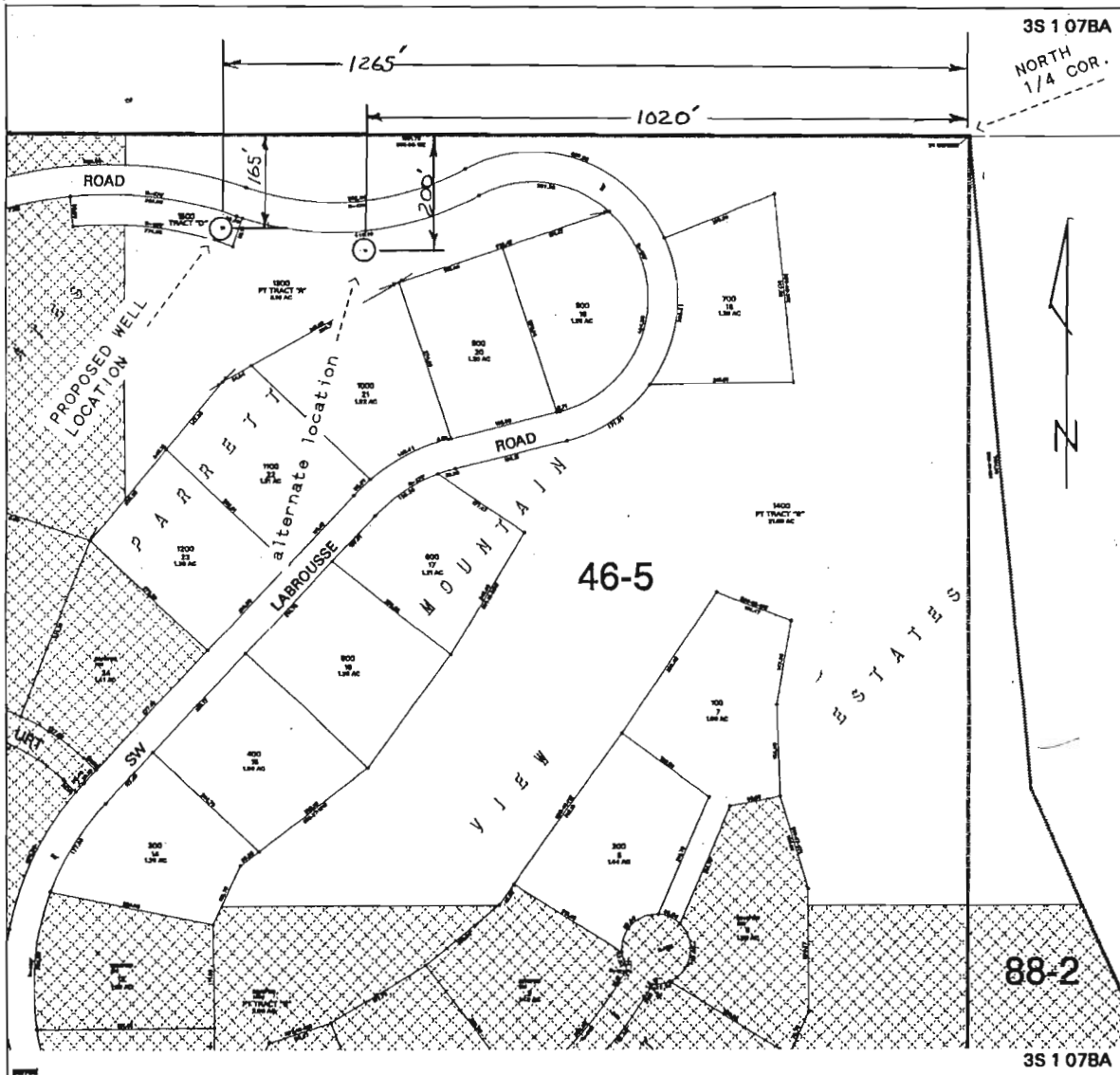


RECEIVED WASHINGTON COUNTY OREGON
 SECTION 07 T3S R1W W.M.

JAN 18 2005

1" = 200'

WATER RESOURCES DEPT
 SALEM, OREGON



PREPARATION OF THIS MAP IS FOR THE PURPOSE OF IDENTIFYING THE LOCATION OF THE WATER RIGHT ONLY. THERE IS NO INTENT TO PROVIDE DIMENSIONS OR LOCATION OF PROPERTY OWNERSHIP LINES.



VERBOORT ENGINEERING
 AGRICULTURE • CIVIL • WATER RESOURCES
 HILLSBORO, OREGON

T-9850

	by	date
designed	RV	1-5-05
drawn		
checked	RV	1-5-05
drawing no.	05-B-01	
sheet no.	1/1	

MANKE LUMBER COMPANY
 dba PARRETT MOUNTAIN, LLC
 1717 MARINE VIEW DRIVE
 TACOMA, WA 98422

PERMIT AMMENDMENT MAP



Oregon

John A. Kitzhaber, M.D., Governor

Water Resources Department

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

INTEROFFICE MEMO

TO: TRANSFER SECTION

DATE: 1-26-05

FROM: _____ WATERMASTER, DISTRICT # _____
X _____ GROUNDWATER SECTION

(SIGNATURE) Don Miller date signed 3/16/05

SUBJECT: PERMIT AMENDMENT # 9850

A change in: POU POD POA of water.

In the name(s) of Mankie Lumber Co DBA Parrett Mountain LLC

In my opinion (assuming the right is valid), the proposed change

MAY BE MADE WITHOUT INJURY WOULD RESULT IN INJURY* to an existing water right.
See Attached Memo

*The approval of this transfer application would result in injury to other water rights because _____

The existing right may not be valid because _____

Headgate notices HAVE HAVE NOT Been issued for diversion from the source(s) which serve(s) this right.

If for change in point of diversion, is there any intervening point(s) for diversion between the authorized and proposed points of diversion? (Yes or No) _____

In my opinion, the order approving the subject transfer application should include the following in regard to the appropriator installing suitable measuring devices in the diversion works:

- _____ (1) PRIOR to the diverting of water at the new point of diversion . . .
- _____ (2) WHEN IN the judgement of the watermaster it becomes necessary . . .

The enclosed copy of the transfer application and map(s) is for your records.



STATE OF OREGON
Water Resources Department
725 Summer St. N.E., Ste. A
Salem, OR 97301

MEMORANDUM

DATE : 3/16/05

TO: File T-9850
FROM: Donn Miller, ^{DM}Hydrogeologist (503.986.0845)
SUBJECT: Permit Amendment Comments

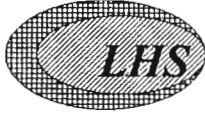
Same Source/Injury. The proposed additional points of appropriation are capable of developing the same source as the authorized two POA's without injury to other rights. This should be assured by a simple condition that **the additional POA's shall develop the same basalt ground water source as the existing wells on permit G-12114. This shall be determined by the Department before use begins at the new well(s).**

Well Construction. The new well(s) should also be cased in the same manner that the permit requires. That condition says that **the wells shall be properly cased and sealed to a depth of at least 300 feet above mean sea level.** The permit amendment should note this.

Water Level Data. The permit requires the permit holder to measure and report a static water level each March. The measurements between the two authorized wells have correlated very well until recent years. See Luzier memo dated 10/18/01. In recent years, measurement at well #3 has been by airline while that at well #4 has continued by e-tape. From this, I conclude that inaccuracy has crept into the measurements at well #4 since airline is less accurate than e-tape.

Decline Condition. Permit G-12114 has an important decline condition. The condition language states that use of water from the well(s) shall not be allowed if certain triggers are exceeded. One of those is a water level decline of 25 feet or more as referenced from the initial March report. Based on the reported data from well #4, that trigger has been exceeded (468.03' bgl on 3/30/96 vs 493.92' bgl on 3/3/04). Based on the reported data from well #3, the trigger has not been exceeded (317.7' bgl on 3/30/96 vs 333.5' bgl on 3/3/04). Past correlations support an exceedance at well #3 also. In any case, the water levels for March 2005 are not yet in and are very unlikely to show improvements. The timing of regulation on this condition is unclear to me. Water level records are attached.

Decline Conditioning at New Wells. If the permit amendment proceeds, it is important that the decline condition at the new wells mesh with the established reference levels. This can be done by linking the reference levels at the new wells to a water level elevation. That water level elevation would be that which comes from the 1996 reference level measurements. 193' amsl is reasonable (average of 192' and 194' at the wells). For language we might say that **the reference level at the new well(s) is a water level elevation of 193' amsl. The permittee shall determine the elevation(s) at the new well(s) that will allow proper determination of water level elevation.**



LUZIER HYDROSCIENCES

2 Gershwin Court, Lake Oswego, Oregon 97035

Fax (503) 636-7664

(503) 636-1012

October 18, 2001

Holly-Manke White
Manke Lumber Company, Inc.
6834 N. E. New Brooklyn Road
Bainbridge Island, WA 98100

RE: PARRETT MOUNTAIN GROUNDWATER LEVEL REPORTS, APRIL 8, 2001

Dear Holly:

The depths to groundwater level obtained in Manke wells 3 and 4 by Luzier Hydrosciences on April 8, 2001, were reported to OWRD on a provisional basis. Reconstruction of the wellheads in January 2001 during pump installation, had destroyed the original reference measuring points that had been established in 1992/1993 and used through March 31, 2000.

New elevation survey data obtained by Manke Lumber Company on October 11, 2001 has been used to recalculate and document changes in the Measuring Point elevations since the original elevation survey of September 23, 1993:

1. Well 4: The new top of upper casing flange (13.5-inch diameter) has an elevation of 661.83 feet (MP2) Vs the 1993 top of casing elevation of 661.92 feet (MP1). Therefore the new wellhead is very slightly lower by 0.09 feet.
2. A key measuring point reference at Well 4, required and used by OWRD, is the original ground surface at the wellhead (herein defined as MP1g). The surveyed elevation of MP1g in 1993 was 659.20 feet (an original casing "stick-up" of 2.72 feet). Casing "stick-up" distance is immaterial now because the original ground surface no longer exists, but it is embodied in the MP1g elevation of 659.20 feet (see attached Figure 1 for measuring point elevations and miscellaneous data).
3. The measured groundwater level in Manke Well 4 on April 8, 2001 is firmly established as 489.44 feet below the original ground surface (MP1g). The groundwater elevation in well 4 was 169.76 feet. Annual decline since March 31, 2000 is 9.60 feet, firmly established.

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NOV 09 2001

WATER RESOURCES DEPT.
SALEM, OREGON

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Historically, Manke wells 3 and 4 which are about 1,290 feet apart, have similar groundwater elevations and nearly identical rates of annual decline. The average depth to water in well 4 is approximately 150.81 feet greater than the groundwater level in well 3 during non-pumping periods since the start of Permit reporting, March, 1996. Confirmed levels in well 4 have been used below to predict the groundwater level in well 3, which must be measured by airline, the length of which cannot be confirmed by physical measurements.

1. Well 3: The new top of the upper casing flange (13.5-inch diameter) has an elevation of 507.17 feet (MP2) vs the 1993 top of casing elevation of 509.3 feet (MP1). Therefore, the new wellhead is closer to the groundwater surface by 2.13 feet.
2. A key measuring point reference at Well 3, required and used by OWRD, is the original ground surface at the wellhead (MP1g). The surveyed elevation of MP1g in 1993 was 506.45 feet (an original casing "stick-up" of 2.85 feet). Casing "stick-up" distance is immaterial now because the original ground surface no longer exists, but it is embodied in the MP1g elevation of 506.45 feet.
3. The airline pressure in well 3 was measured at 47.25 psi using a calibrated 100 psi test gage. This pressure reading is the amount of pressure required to push all water out of the submerged airline tip. Pressure (converted to feet) shows the airline was submerged 109.15 feet below the groundwater surface on April 8, 2001. The airline length provided by the pumping contractor was 444 feet below existing ground surface (Figure 1, Well 3, top of concrete pad, elevation 506.09). If we adjust dimensions to original ground surface (MP1g) then the contractor's airline length for reporting purposes is 444.36 feet below MP1g, and the apparent groundwater depth is 335.21 feet (groundwater elevation 171.24 feet). Apparent annual decline since March 31, 2000 (329.07 ft below MP1g) is 6.14 feet versus a directly measured decline rate of 9.6 feet in well 4.
4. A cross-check was made using the historical correlation in depth to water in wells 3 and 4 during non-pumping conditions since March, 1996. This analysis shows that the depth to water in well 3 (MP1g) has averaged about 150.81 feet less than the depth to water well 4 (MP1) within a narrow variation error band of plus or minus 0.16 feet for the 5-year period.
5. The reason for the similar behavior of Manke wells 3 and 4, is that both wells tap the same basaltic groundwater reservoir "pool", which has been shown in earlier studies by LHS, to have an extremely flat groundwater surface. This is confirmed by groundwater elevation differences of only 2 feet in 1,290 feet (groundwater gradient of 8.2 feet per mile from well 4 towards well 3). Rates of annual decline also mimic each other and are nearly identical (see attached groundwater levels summary table, rates of decline at bottom).
6. If one accepts the apparent rate of decline in well 3, then the regional groundwater gradient (now 14.2 feet per mile) and direction and magnitude of groundwater flow, have suddenly reversed and increased towards well 4 from well 3. This is a physical impossibility for the known geohydrology site conditions and it suggests that the

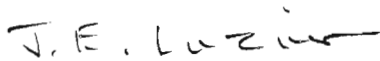
apparent airline length of 444.36 feet is in error. Therefore, in order to match historical trends and correlations to measured levels in well 4, the airline length in well 3 has been increased to 447.82 feet below MP1g (Figure 1). The suggested error is 3.46 feet and it probably can be accounted for by slightly variable net length errors of 21 foot pump-columns (with couplings, check valves, and pitless adapter fittings).

7. The estimated groundwater level in Manke Well 3 on April 8, 2001 (using the revised airline length) is 338.67 feet below the original ground surface (MP1g). The estimated groundwater elevation in well 3 was 167.78 feet (Figure 1). These data result in a decline rate of 9.6 feet per year, exactly equal to the decline rate in Well 4. This airline revision maintains the historical groundwater gradient and directions of groundwater flow, and the long term correlative history of groundwater relationships between both Manke wells.

Please let me know if you want me to proceed with the filing of the finalized groundwater reports to OWRD, possibly with this letter of explanation and Figures. Donn Miller is conducting investigations in the region as you know, and needs the wellhead data for his own measuring efforts at Parrett Mountain.

Sincerely,

LUZIER HYDROSCIENCES

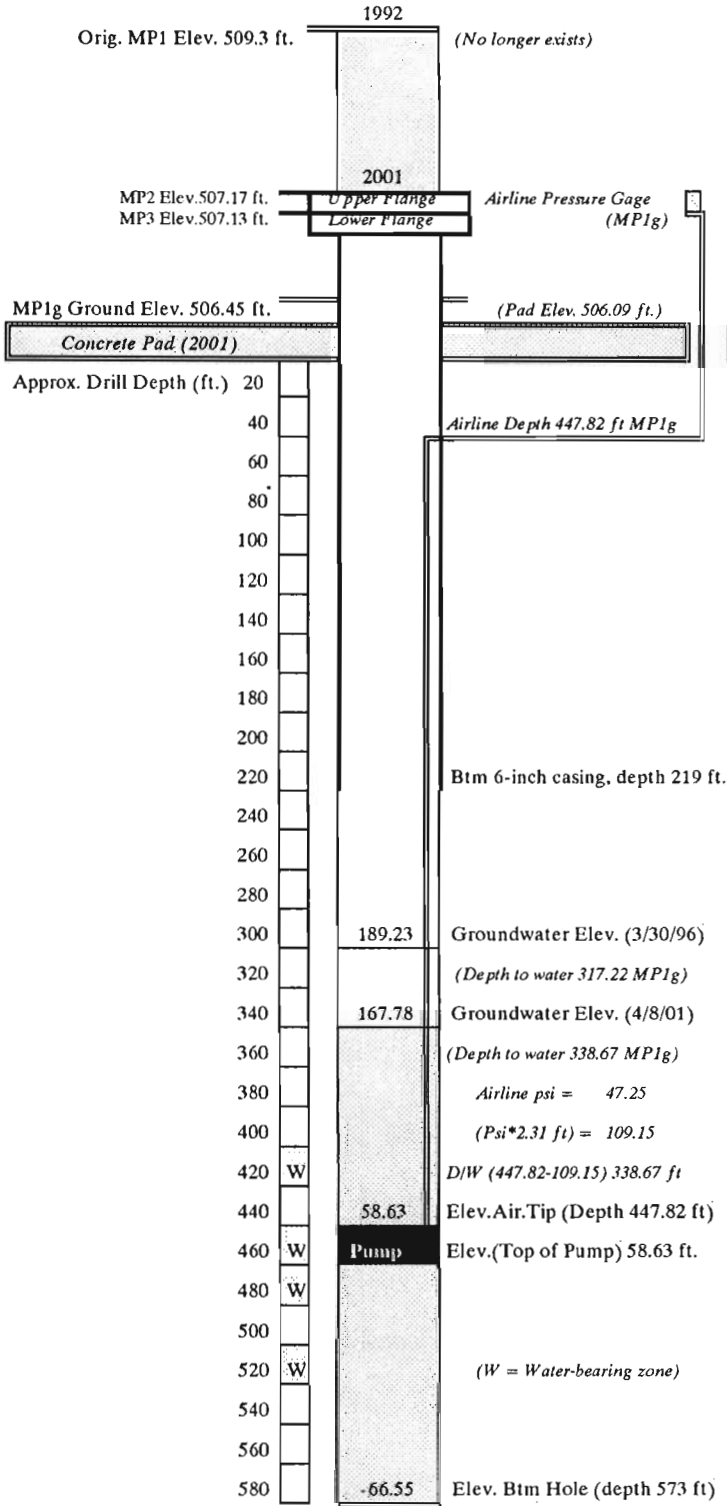


James E. Luzier, P. G., Principal Geohydrologist

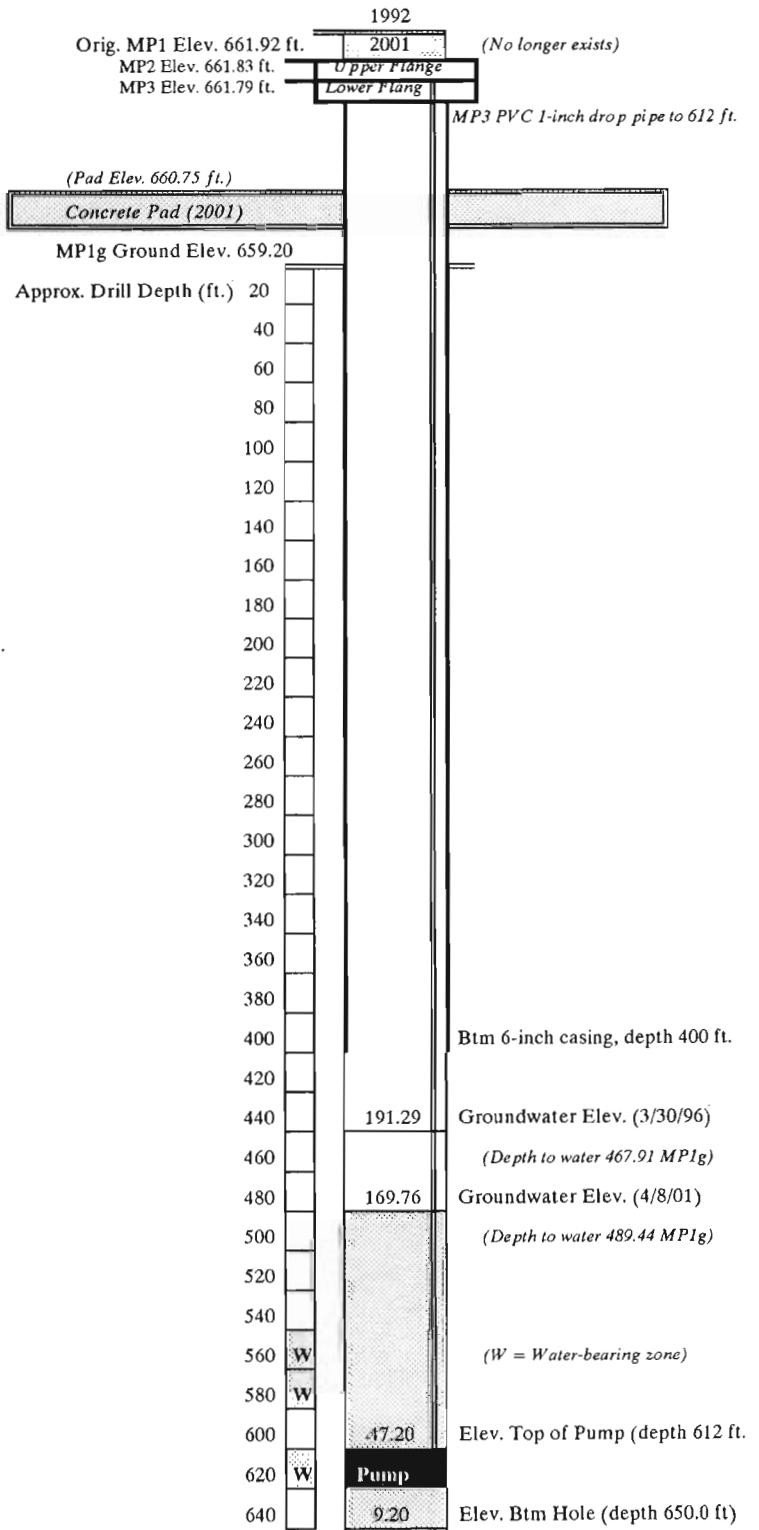
Attachments: Figure 1-- Measuring Point Elevations and Miscellaneous Data, Manke
Production Wells (10/16/2001).
Parrett Mountain Groundwater Levels Summary, 1992-2001. (10/18/2001)

Manke Well 3

(*** Diagrammatic drawings not to exact scale ***)



Manke Well 4



Wellhead Elevation Data:

Original survey by K.R. Westersund, DEA Inc., 10/23/93 (MP1, MP1g).

Supplemental survey by Harry Rydell, Manke Lumber Co., 10/11/01 (MP3).

Note: Use MP1g for Depth to Water Reports by March 31 each year both wells (OWRD Permit).

FIGURE 1. -- Measuring Point Elevations and Miscellaneous Data, Manke Production Wells.

Parrett Mountain Groundwater Levels Summary, 1992-2001

Date	Mk#1	Mk#2	Mk#3	Mk#4	Mk#5	Mk#6	Declines Ref.to 3/96	
MP1 Elev.9/23/93	710.30	575.10	509.30	661.92	710	662.10		
Lsd Elev 1929 NGVD	708.20	571.75	506.45	659.20	707.4	659.00	Manke 3	Manke 4
Casing Stick-up	2.10	3.35	2.85	2.72	2.65	3.10	Surveyed 9/23/93	
03/09/92			322.00				-4.78	
03/12/92	418.00	370.00		346.00	< < ?	396.00		
03/14/92				474.50				-6.59
03/15/92	March 1992 Start			469.88	382.28	344.90		-1.97
06/07/92	384.02	385.99	321.55	472.17	376.30	318.35	-4.33	-4.26
06/26/92	384.22							
06/29/92				474.30	375.46			-6.39
07/06/92	384.18							
07/07/92		386.58	323.74					
07/08/92		386.61			375.39	315.78		
07/09/92		386.52			375.47	315.52		
07/10/92			323.99					
07/11/92		386.50	323.67		377.58	315.02		
07/12/92		386.54	323.78		413.40	314.90		
07/13/92						314.99		
09/15/92		392.70	326.96					
09/25/92				479.34				
04/22/93	364.20	382.86	318.95	470.24	361.86	296.91	-1.73	-2.33
10/21/93	358.21	385.57	322.23	473.20	374.34	291.75		
11/02/94	351.16	392.44	329.59	480.55		288.81		
04/24/95	346.52	379.96	317.56	468.48		283.78	-0.34	-0.57
11/06/95	345.76	391.38	329.44	480.25		283.57	Permit Start 1996	
03/30/96			317.22	467.91	384.85	283.62	0.00	0.00
05/10/96	344.39	376.90	316.27	466.86		282.56		
10/31/96	346.08	391.16		480.68		283.06		
03/28/97			318.69	469.58			-1.47	-1.67
05/01/97	346.69	376.31				283.28		
05/12/97			317.79					
10/28/97	349.63	392.90	332.51					
04/12/98			323.80				-6.58	
04/17/98				474.45				-6.54
04/24/98	350.90	382.53	323.81					
09/02/98			337.15	483.25				
09/03/98			337.15					
09/23/98			335.20					
10/01/98				485.94				
10/01/98	#4 Test 23.4gpm/1.2 hrs			525.64				
10/07/98		401.00		485.80				
10/16/98			334.56					
10/19/98			334.43					
10/19/98			390.23	#3 Step 4 Test, 190gpm				
10/21/98			382.43	#3 24hour Test, 165 gpm				
10/22/98			334.77					
11/18/98	353.88	393.29	337.44	488.11		286.56		
04/06/99	354.33	378.86	323.57	474.25	LHS	286.28	-6.35	-6.34
04/26/99			322.72	473.59	OWRD		-5.50	-5.68
11/18/99			337.69					
03/31/2000	358.25		329.07	479.84	LHS	286.80	-11.85	-11.93
05/03/2000			327.74		OWRD		-10.52	
04/08/2001	Airline Well 3>>	447.82	338.67	489.44	LHS (MP1g) Orig. LSD		-21.45	-21.53
05/10/2001	360.88	391.46			OWRD 288.8			
					last Annual Decline		-9.60	-9.60
					(March 31,2000 to April 8, 2001)			
9 Year	Total Water-level Decline 1992-2001						-17.12	-19.56
9 Year	Average Rate of Decline 1992-2001 Ft/yr						-1.90	-2.17
4 Year	Total Water-level Decline 1996-2000						-11.85	-11.93
4 Year	Average Rate of Decline 1996-2000 Ft/yr						-2.96	-2.98
3 Year	Total Water-level Decline 1997-2000						-10.38	-10.26
3 Year	Average Rate of Decline 1997-2000 Ft/yr						-3.46	-3.42
5 Year	Total Water-level Decline 1996-2001						-21.45	-21.53
5 Year	Average Rate of Decline 1996-2001 Ft/yr						-4.29	-4.31

Permit Condition Water Level Input

Well Info: OWRD Logid: WASH.....1366 Main aq: Columbia River Basalt..... Max depth: 573 Corr by: KARL WOZNAK..... LSD Elev: 506 Userid_lu: 28215 Township: 3.00 S/ Range: 1.00 W- S QQ Q: 7 NW. NW.

Well Location: 2465 FEET NORTH & 1424 FEET EAST FROM W1/4 CORNER, SECTION 7

Owner:

Name:
 Other Name: MANKE LUMBER CO.....
 Contact: C/O JIM LUZIER.....
 Address: 1717 MARINE VIEW DR.....
 City, St, Zip: TACOMA WA 98422.....
 Phone, FAX: 503-636-1012.....
 Email:
 Comments:

Permits listing well:

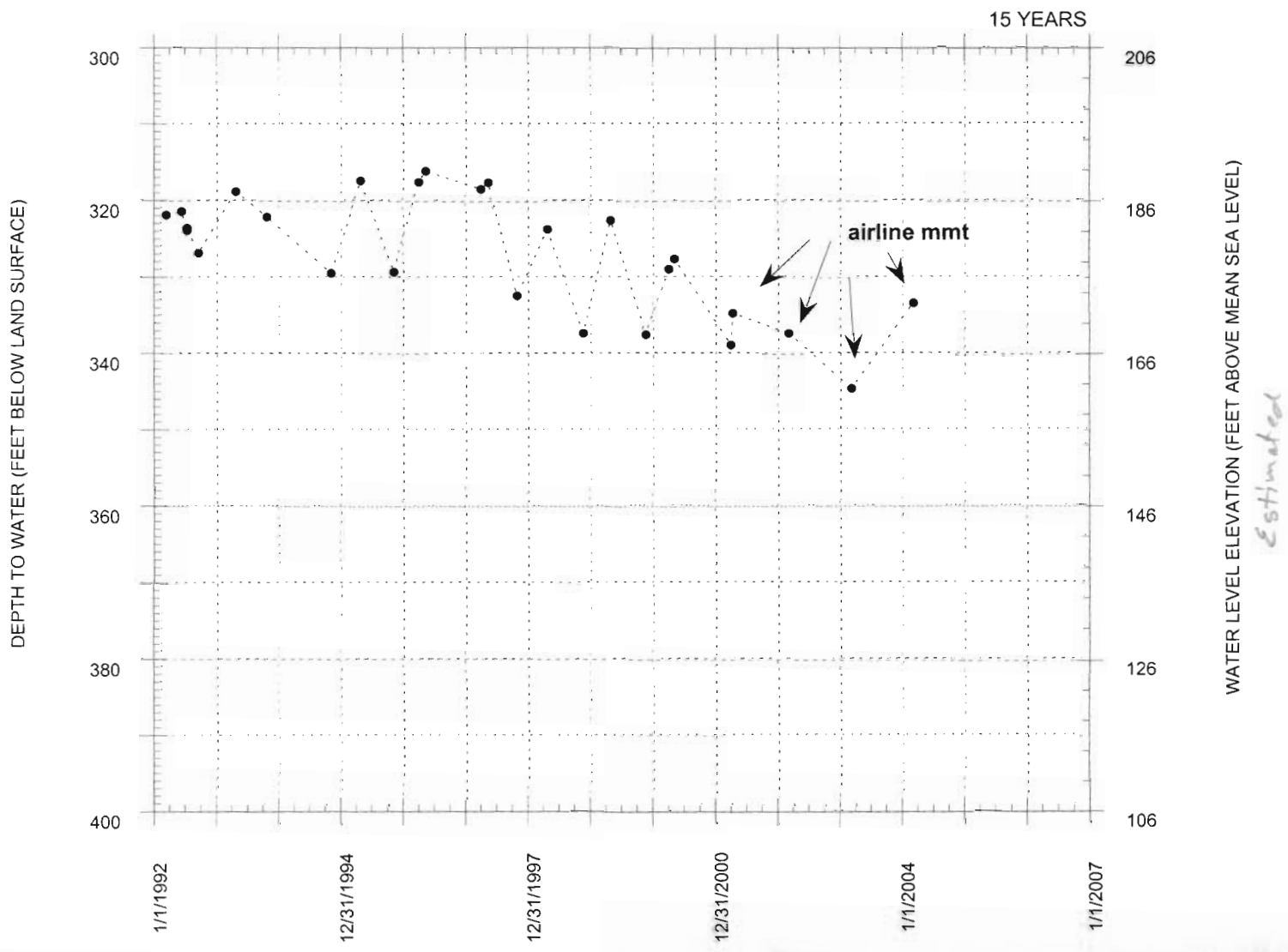
pc	permit	cert_nbr	pod	pod_l_id	trigger activated	ref level
G	12114		1		YES	317.70

#3

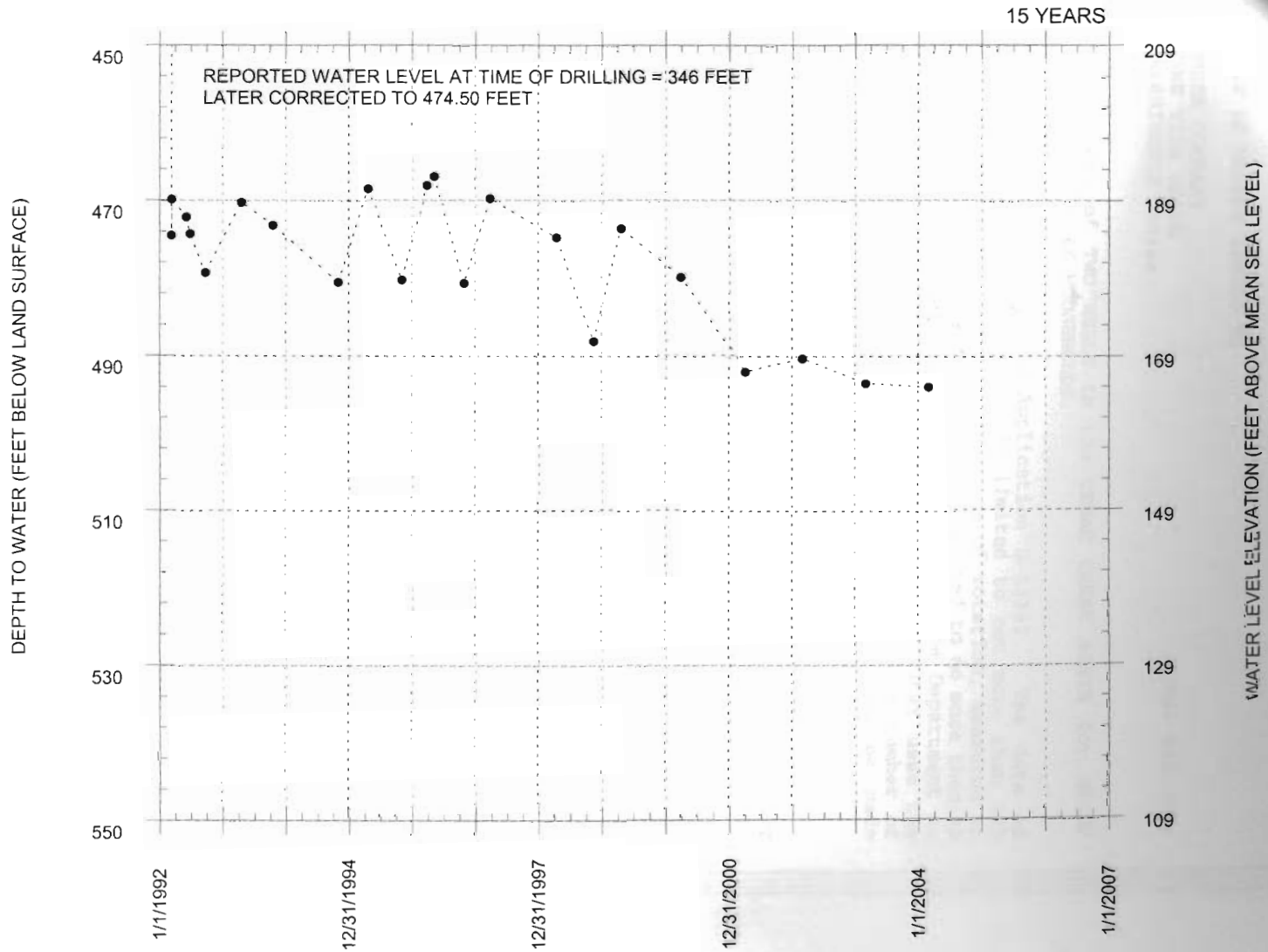
Logid	Source Org	Source	OWRD	Date	Time	MP Hght	Reprted Wtr Lvl	Verified WL BLS	Export WL BLS	WL Elevation	Method	Stat
WASH	1366	DRILLER	PERMIT COND	03/09/1992			322		322.00	184.00	UNKNOWN	UNH
WASH	1366	RPG	PERMIT COND	03/30/1996		2.9	317.7		317.70	188.30	ETAPE	STA
WASH	1366	RPG	PERMIT COND	03/28/1997		2.9	318.64		318.64	187.36	ETAPE	STA
WASH	1366	RPG	PERMIT COND	04/12/1998		2.9	323.76		323.76	182.24	ETAPE	STA
WASH	1366	RPG	PERMIT COND	04/06/1999		2.9	322.57		322.57	183.43	ETAPE	STA
WASH	1366	RPG	PERMIT COND	03/30/2000		2.9	328.07		328.07	177.93	ETAPE	STA
WASH	1366	OWRD	GWATER	03/28/2001		2.6	339		339.00	167.00	GAGE	STA
WASH	1366	RPG	PERMIT COND	04/08/2001		1.8	334.85		334.85	171.15	AIRLINE	STA
WASH	1366	DRILLER	PERMIT COND	03/04/2002			337.5		337.50	168.50	AIRLINE	STA
WASH	1366	DRILLER	PERMIT COND	03/06/2003			344.77		344.77	161.23	AIRLINE	STA
WASH	1366	DRILLER	PERMIT COND	03/03/2004			333.5		333.50	172.50	AIRLINE	STA

?

MANKE LUMBER CO. #3 WELL (WASH 1366)
T3S/R1W-7bba
WELL DEPTH = 573 FEET



MANKE LUMBER CO. #4 WELL (WASH 1364)
T3S/R1W-7bbc
WELL DEPTH = 650 FEET





Oregon

John A. Kitzhaber, M.D., Governor

Water Resources Department

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

INTEROFFICE MEMO

TO: TRANSFER SECTION

DATE: 1-26-05

FROM: _____

WATERMASTER, DISTRICT # 18

GROUNDWATER SECTION

(SIGNATURE) _____

[Handwritten Signature]

date signed 2-1-05

SUBJECT: PERMIT AMENDMENT # 9850

A change in: POU POD APOA of water.

In the name(s) of Manke Lumber Co dba Parrett Mountain LLC

In my opinion (assuming the right is valid), the proposed change

MAY BE MADE WITHOUT INJURY

WOULD RESULT IN INJURY* to an existing water

right.

I agreed upon by the groundwater section.

*The approval of this transfer application would result in injury to other water rights because _____

The existing right may not be valid because _____

Headgate notices HAVE HAVE NOT Been issued for diversion from the source(s) which serve(s) this right.

If for change in point of diversion, is there any intervening point(s) for diversion between the authorized and proposed points of diversion? (Yes or No) _____

In my opinion, the order approving the subject transfer application should include the following in regard to the appropriator installing suitable measuring devices in the diversion works:

_____ (1) PRIOR to the diverting of water at the new point of diversion . . .

(2) WHEN IN the judgement of the watermaster it becomes necessary . . .

The enclosed copy of the transfer application and map(s) is for your records.

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FEB 03 2005
WATER RESOURCES DEPT
SALEM, OREGON





Oregon

Theodore R. Kulongoski, Governor

Water Resources Department

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

January 26, 2005

MANKE LUMBER CO.
DBA PARRETT MOUNTAIN LLC
1717 MARINE VIEW DR
TACOMA WA 98422

Reference: Permit Amendment Transfer 9850

On 1-18-2005 we received your request for permit amendment a point of appropriation, an additional point of appropriation for use of water from the Wells, a tributary of the Cedar Creek. The application was accompanied by \$350. Our receipt 72299 is enclosed.

By copy of this letter, we are asking the Watermaster for his report regarding the potential for injury to existing water rights which may be caused by the change.

You may not use water in the new point of appropriation, until 60 days after we received your notice (application) and the permit amendment has been approved.

We will notify you if additional information or corrections to the application or map are required.

If you have any questions, please call the Transfer Section, (503)986-0900.

cc: Darrel Hedin, Watermaster #18
Richard Verboort, CWRE
Groundwater

enclosure

pn-tr-pa.txt

COUNTY: WASHINGTON
TRANSFER: 9850
PERMIT: G 12114
PRIORITY DATE: 03/03/1993
NAME: MANKE LUMBER CO DBA PARRETT MOUNTAIN LLC
ADDRESS: 1717 MARINE VIEW DR; TACOMA WA 98422
CHANGE: APOA
SOURCE: WELL
AUTHORIZED APOA: T3S R1W 7
PROPOSED APOA: T3S R1W 7

PUBLIC NOTICE 02-01-2005



THE ESTATES

PARRETT MOUNTAIN

Welcome to Higher Ground

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JAN 18 2005

WATER RESOURCES DEPT
SALEM, OREGON

1/14/05

Oregon Water Resources Dept.
725 Summer St. NE Suite A
Salem, Or. 97301

To Whom It May Concern;

Enclosed please find an application
for an additional point of appropriation
Re: permit G-12114 and the required
\$350. application fee. Please feel
free to call me or Mr. Wick
Verboort if you have any question.

Sincerely,

Holly Manke White

T-9850

Parrett Mountain, LLC • Holly Manke White • Manager

9183 Holly Farm Lane NE, Bainbridge Island, WA 98110 • Phone (206) 842-4954 • Fax (206) 780-1318

www.the-estates.com