

Application for a Permit to Use Ground Water



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

SECTION 1: APPLICANT INFORMATION AND SIGNATURE

Applicant Information

NAME GEORGE K. & CORY H. KOOS		PHONE (HM) 541-905-3020	
PHONE (WK) 541-791-5123	CELL		FAX
ADDRESS 38155 SCRAVEL HILL RD.			
CITY ALBANY	STATE OR	ZIP 97322	E-MAIL* KKOOSFARMS@GMAIL.COM

Organization Information

NAME KOOS SEED CO.		PHONE 541-905-3020		FAX
ADDRESS 38155 SCRAVEL HILL RD.		CELL		
CITY ALBANY	STATE OR	ZIP 97322	E-MAIL* KKOOSFARMS@GMAIL.COM	

Agent Information – The agent is authorized to represent the applicant in all matters relating to this application.

AGENT / BUSINESS NAME K&D ENGINEERING, INC. (ATTN: IAN MCGUIRE)		PHONE 541-928-2583		FAX 541-967-3458
ADDRESS 276 NW HICKORY ST.		CELL		
CITY ALBANY	STATE OR	ZIP 97321	E-MAIL* IMCGUIRE@KDENG.COM	

Note: Attach multiple copies as needed

* By providing an e-mail address, consent is given to receive all correspondence from the Department electronically. (paper copies of the final order documents will also be mailed.)

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By my signature below I confirm that I understand:

JUN 26 2015

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application.
- I cannot use water legally until the Water Resources Department issues a permit. WATER RESOURCES DEPT SALEM, OREGON
- Oregon law requires that a permit be issued before beginning construction of any proposed well, unless the use is exempt. Acceptance of this application does not guarantee a permit will be issued.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be cancelled.
- The water use must be compatible with local comprehensive land-use plans.
- Even if the Department issues a permit, I may have to stop using water to allow senior water-right holders to get water to which they are entitled.

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

Applicant Signature

Applicant Signature

George K. Koos
Print Name and title if applicable

Cory Koos
Print Name and title if applicable

6/9/15
Date

6/9/15
Date

For Department Use		
App. No. <u>G-10110</u>	Permit No. _____	Date _____

SECTION 2: PROPERTY OWNERSHIP

Please indicate if you own all the lands associated with the project from which the water is to be diverted, conveyed, and used.

☒ Yes

☒ There are no encumbrances.

☐ This land is encumbered by easements, rights of way, roads or other encumbrances.

☐ No

☐ I have a recorded easement or written authorization permitting access.

☐ I do not currently have written authorization or easement permitting access.

☐ Written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigation and/or domestic use only (ORS 274.040).

☐ Water is to be diverted, conveyed, and/or used only on federal lands.

List the names and mailing addresses of all affected landowners (*attach additional sheets if necessary*).

N/A

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

SECTION 3: WELL DEVELOPMENT

WELL NO.	NAME OF NEAREST SURFACE WATER	IF LESS THAN 1 MILE:	
		DISTANCE TO NEAREST SURFACE WATER	ELEVATION CHANGE BETWEEN NEAREST SURFACE WATER AND WELL HEAD
1	Lake Creek & Calapooia River	N/A	
2	Lake Creek & Calapooia River	N/A	
3	Lake Creek & Calapooia River	N/A	
4	Lake Creek & Calapooia River	N/A	
5	Lake Creek & Calapooia River	N/A	

Please provide any information for your existing or proposed well(s) that you believe may be helpful in evaluating your application. For existing wells, describe any previous alteration(s) or repair(s) not documented in the attached well log or other materials (*attach additional sheets if necessary*).

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SECTION 3: WELL DEVELOPMENT, CONTINUED

Total maximum rate requested: 1.47 cfs (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below).

The table below must be completed for each source to be evaluated or the application will be returned. If this is an existing well, the information may be found on the applicable well log. (If a well log is available, please submit it in addition to completing the table.) If this is a proposed well, or well-modification, consider consulting with a licensed well driller, geologist, or certified water right examiner to obtain the necessary information.

OWNER'S WELL NAME OR NO.	PROPOSED	EXISTING	WELL ID (WELL TAG) NO.* OR WELL LOG ID**	FLOWING ARTESIAN	CASING DIAMETER	CASING INTERVALS (IN FEET)	PERFORATED OR SCREENED INTERVALS (IN FEET)	SEAL INTERVALS (IN FEET)	MOST RECENT STATIC WATER LEVEL & DATE (IN FEET)	PROPOSED USE			
										SOURCE AQUIFER***	TOTAL WELL DEPTH	WELL- SPECIFIC RATE (GPM)	ANNUAL VOLUME (ACRE-FEET)
Well 1	☒	☐		☐	6"-12"					gravel and sand	40'- 140'	659	293.5
Well 2	☒	☐		☐	6"-12"					gravel and sand	40'- 140'	659	293.5
Well 3	☒	☐		☐	6"-12"					gravel and sand	40'- 140'	659	293.5
Well 4	☒	☐		☐	6"-12"					gravel and sand	40'- 140'	659	293.5
Well 5	☒	☐		☐	6"-12"					gravel and sand	40'- 140'	659	293.5
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									

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* Licensed drillers are required to attach a Department-supplied Well Tag, with a unique Well ID or Well Tag Number to all new or newly altered wells. Landowners can request a Well ID for existing wells that do not have one. The Well ID is intended to serve as a unique identification number for each well.

** A well log ID (e.g. MARI 1234) is assigned by the Department to each log in the agency's well log database. A separate well log is required for each subsequent alteration of the well.

*** Source aquifer examples: Troutdale Formation, gravel and sand, alluvium, basalt, bedrock, etc.

0111-10

SECTION 4: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
Irrigation	March 1 - October 31	293.5

Exempt Uses: Please note that 15,000 gallons per day for single or group **domestic** purposes and 5,000 gallons per day for a single **industrial or commercial** purpose are exempt from permitting requirements.

For irrigation use only:

Please indicate the number of primary and supplemental acres to be irrigated (*must match map*).

Primary: 117.4 Acres Supplemental: Acres

List the Permit or Certificate number of the underlying primary water right(s):

Indicate the maximum total number of acre-feet you expect to use in an irrigation season: 293.5

- If the use is **municipal or quasi-municipal**, attach **Form M**
 - If the use is **domestic**, indicate the number of households:
- If the use is **mining**, describe what is being mined and the method(s) of extraction:

SECTION 5: WATER MANAGEMENT

A. Diversion and Conveyance

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

☒ Pump (give horsepower and type): 30-50hp submersible

☐ Other means (describe):

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water.

B. Application Method

What equipment and method of application will be used? (e.g., drip, wheel line, high-pressure sprinkler)

Big gun, with the possibility of using a linear irrigation system in the future.

C. Conservation

Please describe why the amount of water requested is needed and measures you propose to: prevent waste; measure the amount of water diverted; prevent damage to aquatic life and riparian habitat; prevent the discharge of contaminated water to a surface stream; prevent adverse impact to public uses of affected surface waters.

Amount of water is needed to grow a variety of crops and provide for crop rotations into the future. Only water needed for irrigation will be used, possibly installing a linear irrigation system in the future would reduce evaporation losses. Water used will be measured through power meters unless the OWRD requires a flow meter. Slopes are relatively flat and irrigation will occur when the intermittent drainages on the property are dry protecting aquatic life, riparian habitat and keeping irrigation water out of surface streams. Water will only be used when needed to prevent adverse impacts to public uses.

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SECTION 6: STORAGE OF GROUND WATER IN A RESERVOIR

If you would like to store ground water in a reservoir, complete this section (*if more than one reservoir, reproduce this section for each reservoir*).

Reservoir name: N/A Acreage inundated by reservoir: _____

Use(s): _____

Volume of Reservoir (acre-feet): _____ Dam height (feet, if excavated, write "zero"): _____

Note: *If the dam height is greater than or equal to 10.0' above land surface AND the reservoir will store 9.2 acre feet or more, engineered plans and specifications must be approved prior to storage of water.*

SECTION 7: USE OF STORED GROUND WATER FROM THE RESERVOIR

If you would like to use stored ground water from the reservoir, complete this section (*if more than one reservoir, reproduce this section for each reservoir*).

Annual volume (acre-feet): N/A

USE OF STORED GROUND WATER	PERIOD OF USE

SECTION 8: PROJECT SCHEDULE

Date construction will begin: Within 1 year of approval of this application

Date construction will be completed: Within 5 years of approval of this application

Date beneficial water use will begin: Within 5 years of approval of this application

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SECTION 9: WITHIN A DISTRICT

☐ Check here if the point of diversion or place of use are located within or served by an irrigation or other water district.

Irrigation District Name	Address	
City	State	Zip

SECTION 10: REMARKS

Use this space to clarify any information you have provided in the application (*attach additional sheets if necessary*).

There are five proposed well locations shown. Depending upon conditions found in the field while drilling the applicant may not develop all 5 possible well locations. The nearest stream that is shown as perennial is Lake Creek (over a mile from the proposed well sites), the next nearest is the Calapooia River.

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Land Use

Information Form



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NOTE TO APPLICANTS

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In order for your application to be processed by the Water Resources Department (WRD), this Land Use Information Form must be completed by a local government planning official in the jurisdiction(s) where your water right will be used and developed. The planning official may choose to complete the form while you wait, or return the receipt stub to you. Applications received by WRD without the Land Use Form or the receipt stub will be returned to you. Please be aware that your application will not be approved without land use approval.

This form is NOT required if:

- 1) Water is to be diverted, conveyed, and/or used only on federal lands; **OR**
- 2) The application is for a water right transfer, allocation of conserved water, exchange, permit amendment, or ground water registration modification, and all of the following apply:
 - a) The existing and proposed water use is located entirely within lands zoned for exclusive farm-use or within an irrigation district;
 - b) The application involves a change in place of use only;
 - c) The change does not involve the placement or modification of structures, including but not limited to water diversion, impoundment, distribution facilities, water wells and well houses; and
 - d) The application involves irrigation water uses only.

NOTE TO LOCAL GOVERNMENTS

The person presenting the attached Land Use Information Form is applying for or modifying a water right. The Water Resources Department (WRD) requires its applicants to obtain land-use information to be sure the water rights do not result in land uses that are incompatible with your comprehensive plan. Please complete the form or detach the receipt stub and return it to the applicant for inclusion in their water right application. You will receive notice once the applicant formally submits his or her request to the WRD. The notice will give more information about WRD's water rights process and provide additional comment opportunities. You will have 30 days from the date of the notice to complete the land-use form and return it to the WRD. If no land-use information is received from you within that 30-day period, the WRD may presume the land use associated with the proposed water right is compatible with your comprehensive plan. Your attention to this request for information is greatly appreciated by the Water Resources Department. If you have any questions concerning this form, please contact the WRD's Customer Service Group at 503-986-0801.

Land Use Information Form



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

Applicant: George K. and Cory H.

First

Koos

Last

Mailing Address: 38155 Scravel Hill Rd.

Albany

City

OR

State

97322

Zip

Daytime Phone: 541-905-3020

A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), and/or used or developed. Applicants for municipal use, or irrigation uses within irrigation districts may substitute existing and proposed service-area boundaries for the tax-lot information requested below.

Township	Range	Section	¼ ¼	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:			Proposed Land Use:
12 S	3 W	10		201	EFU	☐ Diverted	☐ Conveyed	☐ Used	Farm
12 S	<u>2</u> W	8		600	EFU	☐ Diverted	☐ Conveyed	☐ Used	Farm
						☐ Diverted	☐ Conveyed	☐ Used	
						☐ Diverted	☐ Conveyed	☐ Used	

List all counties and cities where water is proposed to be diverted, conveyed, and/or used or developed:

Linn County

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B. Description of Proposed Use

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Type of application to be filed with the Water Resources Department:

- ☒ Permit to Use or Store Water
 ☐ Water Right Transfer
 ☐ Permit Amendment or Ground Water Registration Modification
☐ Limited Water Use License
 ☐ Allocation of Conserved Water
 ☐ Exchange of Water

Source of water: ☐ Reservoir/Pond ☒ Ground Water ☐ Surface Water (name) _____

Estimated quantity of water needed: 678.5 ☐ cubic feet per second ☐ gallons per minute ☒ acre-feet

Intended use of water: ☒ Irrigation ☐ Commercial ☐ Industrial ☐ Domestic for _____ household(s)
☐ Municipal ☐ Quasi-Municipal ☐ Instream ☐ Other _____

Briefly describe:

Up to 5 wells will be drilled on tax lot 201 and up to 4 wells will be drilled on tax lot 600 and used to irrigate a variety of crops.

For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless the project will be located entirely within the city limits. In that case, only the city planning agency must complete this form. This deals only with the local land-use plan. Do not include approval for activities such as building or grading permits.

Please check the appropriate box below and provide the requested information

- ☒ Land uses to be served by the proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): LCC 928.310(B)
- ☐ Land uses to be served by the proposed water uses (including proposed construction) involve discretionary land-use approvals as listed in the table below. (Please attach documentation of applicable land-use approvals which have already been obtained. Record of Action/land-use decision and accompanying findings are sufficient.) **If approvals have been obtained but all appeal periods have not ended, check "Being pursued."**

Type of Land-Use Approval Needed (e.g., plan amendments, rezones, conditional-use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Land-Use Approval:	
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued

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

Farm Use Only Pursuant to LCC 920.100(B)(104)

Name: Olivia Glantz Title: Associate Planner

Signature: [Signature] Phone: 841-967-3816 Date: 6/16/15

Government Entity: Linn County

Note to local government representative: Please complete this form or sign the receipt below and return it to the applicant. If you sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.

Receipt for Request for Land Use Information

Applicant name: _____

City or County: _____ Staff contact: _____

Signature: _____ Phone: _____ Date: _____

11 - 10 - 92

VOL 0619 PAGE 528

FORM No. 623—WARRANTY DEED (Individual or Corporate).

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NL

WARRANTY DEED

KNOW ALL MEN BY THESE PRESENTS, That MARIE JACKSON widow of H.K. JACKSON,
also known as HAROLD K. JACKSON

hereinafter called the grantor, for the consideration hereinafter stated, to grantor paid by GEORGE K. KOOS
and CORY KOOS, husband and wife, as tenants by the entirety

hereinafter called the grantee, does hereby grant, bargain, sell and convey unto the grantee and grantee's heirs,
successors and assigns, that certain real property, with the tenements, hereditaments and appurtenances thereunto
belonging or in any way appertaining, situated in Linn County, State of Oregon, described as follows,
to-wit:

Beginning on the South line of and Easterly 715.8 feet from the
Southwest corner of the Northwest quarter of Section 10 in T. 12
S., R. 3 W. of the Will. Mer., Linn County, Oregon; and running
thence Northerly 2640 feet to a point on the North line of and
Easterly 730.3 feet from the Northwest corner of said Section 10;
thence Easterly, along said North line, 1920 feet, more or less, to
the Northeast corner of the Northeast quarter of said Section 10;
thence Southerly 2640 feet to the Southeast corner of the Northwest
quarter of said Section 10; thence Westerly 1939 feet, more or less,
to the point of beginning, and containing 116.94 acres, more or
less, of which 1.33 acres lies withig the existing county road,
and subject to the rights of the public in the use of said county
road.

(IF SPACE INSUFFICIENT, CONTINUE DESCRIPTION ON REVERSE SIDE)

To Have and to Hold the same unto the grantee and grantee's heirs, successors and assigns forever.

And grantor hereby covenants to and with grantee and grantee's heirs, successors and assigns, that grantor is
lawfully seized in fee simple of the above granted premises, free from all encumbrances except easements,
conditions and restrictions of record

and that
grantor will warrant and forever defend the premises and every part and parcel thereof against the lawful claims
and demands of all persons whomsoever, except those claiming under the above described encumbrances.

The true and actual consideration paid for this transfer, stated in terms of dollars, is \$164,750.00
the whole of which was paid in cash by the grantee to the grantor. (The sentence between the symbols ©, if not applicable, should be deleted. See ORS 93.030.)

In construing this deed, where the context so requires, the singular includes the plural and all grammatical
changes shall be made so that this deed shall apply equally to corporations and to individuals.

In Witness Whereof, the grantor has executed this instrument this 4th day of November, 1992;
if a corporate grantor, it has caused its name to be signed and its seal, if any, affixed by an officer or other person
duly authorized to do so by order of its board of directors.

THIS INSTRUMENT WILL NOT ALLOW USE OF THE PROPERTY DE-
SCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND
USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING
THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE
PROPERTY, SHOULD CHECK WITH THE APPROPRIATE CITY OR
COUNTY PLANNING DEPARTMENT TO VERIFY APPROVED USES.

STATE OF OREGON, County of Linn ss.
This instrument was acknowledged before me on November 4, 1992,
by Marie Jackson
This instrument was acknowledged before me on _____, 19____,
by _____
as _____
of _____

[Signature] Notary Public for Oregon
My commission expires 9-5-93

Marie Jackson
Grantor's Name and Address
Mr. and Mrs. George Koos
George and Cory Koos
23953 Langmack Rd. Linn, OR 97351
Grantor's Name and Address
After recording return to (Name, Address, Zip):
Mr. and Mrs. George Koos
23953 Langmack Rd.
Linn, OR 97351
Shall requested authorities send all tax statements to (Name, Address, Zip):
Mr. and Mrs. George Koos
23953 Langmack Rd.
Linn, OR 97351

STATE OF OREGON,
County of _____ } ss.
I certify that the within instrument
was received for record on the _____ day
of _____, 19____, at
_____ o'clock _____ M., and recorded in
book/reel/volume No. _____ on page _____
35
STATE OF OREGON
County of Linn
I hereby certify that the attached
was received and duly recorded
by me in Linn County records.
STEVE DRUCKENMILLER
Linn County Clerk
By [Signature] Deputy PAGE 528

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SALEM, OREGON

NOV 10 1992

Description: Linn, OR Document - Book. Page 619.528 Page: 1 of 1

Order: 1 Comment:

6-8110

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and/or Store Ground Water****RECEIVED**

JUN 26 2015

Today's Date: Wednesday, May 13, 2015

WATER RESOURCES DEPT
SALEM, OREGON

Base Application Fee for use of Ground, Surface and optionally Stored Water.		\$1,150.00
Number of proposed cubic feet per second (cfs) to be appropriated. (1 cfs = 448.83 gallons per minute)	1.47	\$600.00
Number of proposed Use's for the appropriated water. (i.e. Irrigation, Supplemental Irrigation, Pond Maintenance, Industrial, Commercial, etc) *	1	
Number of proposed Ground Water points of appropriation. (i.e. number of wells) (include all injection wells, if applicable) **	5	\$1,200.00
Number of Acre Feet to be stored in a reservoir/pond from Ground Water.	0	
Number of Acre Feet to be appropriated from reservoir/pond (Only Applies to reservoir/pond constructed under Ground Water Application)	0	
Number of reservoirs.	0	
Permit Recording Fee. ***		\$450.00
* the 1st Water Use is included in the base cost. ** the 1st Ground Water point of appropriation is included in the base cost. *** the Permit Recording Fee is not required when the application is submitted but, must be paid before a permit will be issued. It is fully refundable if a permit is not issued. If the recording fee is not paid prior to issuance of the Final Order, permit issuance will be delayed.	Recalculate	
Estimated cost of Permit Application		\$3,400.00

[Return to Fee Calculator Options page](#)[OWRD Fee Schedule](#)

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NOTICE TO WATER WELL CONTRACTOR

The original and first copy of this report are to be filed with the

RECEIVED LINN 54181
JUN 16 1971 STATE OF OREGON
STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date of well completion.
SALEM, OR. (Do not write above this line)

State Well No. 12/3W-10

State Permit No.

(1) OWNER:

Name J.P. Springer
Address 21. 3rd Oregon

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:

Threaded ☐ Welded ☒
4" Diam. from 0 ft. to 60 ft. Gage 237
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:

Perforated? ☐ Yes ☒ No.

Type of perforator used

Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☒ No

Manufacturer's Name

Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

" " " "

" " " "

Flow test 15 gal./min. with 15 ft. drawdown after 1 hrs.

Artesian flow g.p.m.

Temperature of water 52 Depth artesian flow encountered ft.

CONSTRUCTION:

Well seal—Material used Cement Grout

Well sealed from land surface to 24 ft.

Diameter of well bore to bottom of seal 7 in.

Diameter of well bore below seal 4 in.

Number of sacks of cement used in well seal 4 sacks

Number of sacks of bentonite used in well seal sacks

Brand name of bentonite

Number of pounds of bentonite per 100 gallons

of water lbs./100 gals.

Was a drive shoe used? ☒ Yes ☐ No Plugs Size: location ft.

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? depth of strata

Method of sealing strata off

Was well gravel packed? ☐ Yes ☒ No Size of gravel:

Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County LINN Driller's well number
1/4 1/4 Section 10 T. 12 S. R. 3 W. W.M.

Bearing and distance from section or subdivision corner

North West corner East 258'
South 90'

(11) WATER LEVEL: Completed well.

Depth at which water was first found 27 ft.

Static level 121.6" ft. below land surface. Date 6-2-71

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 4

Depth drilled 67 ft. Depth of completed well 67 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
top soil Black	0	3	
Clay yellow	3	31	
Black Sand & Blue			
Clay Hard	31	55	
Sand yellow	55	57	
Black Sand & clay			
Blue	57	59	
Black Sand	59	62	

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SALEM, OREGON

Work started 5-29 1971 Completed 6-2 1971

Date well drilling machine moved off of well 6-2 1971

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Robert C. White Date 6-15, 1971
(Drilling Machine Operator)

Drilling Machine Operator's License No. 210

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name BOB'S WELL DRILLING
(Person, firm or corporation) (Type or print)

Address 4652 Wagon Wheel Dr. Lebanon
Oregon

[Signed] Robert C. White
(Water Well Contractor)

Contractor's License No. 121 Date 6-15, 1971

(USE ADDITIONAL SHEETS IF NECESSARY)

SP-45654-119

6-10-10

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

WELL I.D. # 54631
START CARD # 144404

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

(1) LAND OWNER: RRN HOOS INC. Well Number _____
Name _____
Address 33989 TANGENT DR.
City Tangent State OR Zip 97389

(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 115 ft.
Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE SEAL
Diameter From To Material From To Sacks or pounds
10" 0 20 Bentonite 0 20 12
6" 20 115 _____

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E
☒ Other DRY 3/8 Bentonite chips
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:
Diameter From To Gauge Steel Plastic Welded Threaded
Casing: 6" 0 20 115 250 ☒ ☐ ☒ ☐
Liner: _____ ☐ ☐ ☐ ☐

Drive Shoe used ☐ Inside ☒ Outside ☐ None
Final location of shoe(s) 115

(7) PERFORATIONS/SCREENS:
☒ Perforations Method AIR Perforator
☐ Screens Type _____ Material _____

From To Slot size Number Diameter Tele/pipes size Casing Liner
75 113 3/16X1 592 _____ ☒ ☐
_____ ☐ ☐
_____ ☐ ☐

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

☐ Pump ☐ Bailer ☒ Air ☐ Flowing
Yield gal/min Drawdown Drill stem at Time
80 _____ 100' 1 hr.

Temperature of water 51° Depth Artesian Flow Found _____
Was a water analysis done? ☐ Yes By whom _____
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County LINN Latitude _____ Longitude _____
Township 12 S N or S Range 3 W E or W. WM.
Section 10 1/4 SE 1/4 NE
Tax Lot 100 Lot _____ Block _____ Subdivision _____

Street Address of Well (or nearest address) 33989 TANGENT DR. TANGENT OR

(10) STATIC WATER LEVEL:
4 ft. below land surface. Date 3/31/04
Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 75

From	To	Estimated Flow Rate	SWL
<u>75</u>	<u>115</u>	<u>80 gpm</u>	<u>4'</u>

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
<u>BROWN CLAY</u>	<u>0</u>	<u>14</u>	
<u>BROWN CLAY + gravel</u>	<u>14</u>	<u>30</u>	
<u>Blue CLAY</u>	<u>30</u>	<u>75</u>	
<u>BROWN SAND gravel</u>	<u>75</u>	<u>115</u>	

RECEIVED

APR 29 2004 RECEIVED

WATER RESOURCES DEPT
SALEM, OREGON JUN 26 2015

WATER RESOURCES DEPT
SALEM, OREGON

Date started 3/30/04 Completed 3/31/04

(unbonded) Water Well Constructor Certification:

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

Signed _____ WWC Number _____ Date _____

(bonded) Water Well Constructor Certification:

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

Signed Pat Riden WWC Number 615 Date 3/31/04